

Air Quality and Greenhouse Gas Impact Analysis

Rocklin Rezone – Parcel 1 Project

Prepared for:
Black Iris Properties, LLC

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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 1 Project (proposed project) related to air quality and greenhouse gas (GHG) emissions. The information and analysis in this document are organized in accordance with the checklist in Appendix G of the California Environmental Quality Act (CEQA) Guidelines. If the analysis provided in this document identifies potentially significant environmental effects of the project, mitigation measures that should be applied to the project are prescribed. All modeling results are included as an appendix to this document.

PROJECT SUMMARY

The project site is located at the westerly terminus of West Oaks Boulevard in the City of Rocklin, California. The 12.5-acre site, identified by Assessor's Parcel Numbers 365-020-067, -068, -069, -070, -071, and -072, does not include any structures, but has been mass graded and was developed with five separate concrete building pads in 2005 (see Figure 1 and Figure 2).

The project site is bound by State Route (SR) 65 west. Surrounding existing land uses include two schools to the north, a multi-family apartment complex to the east and southeast, and vacant land to the south. The South Placer County Jail is located west of the project site, across SR 65. The 3.5-acre parcel immediately north of the project site is a surplus Caltrans right-of-way. The City of Rocklin General Plan designates the project site as Business Professional/Commercial/Light Industrial (BP/COM/LI), and the site is zoned Planned Development Business Professional/Commercial/Light Industrial (PD-BP/C/LI). It is noted that the project site is located within the Sunset West 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 BP/COM/LI to High Density Residential (HDR). The HDR land use designation is intended to provide areas for multi-family homes, conveniently near commercial uses, employment centers, arterial and collector streets and other intensive uses, and at a density greater than 15.5 dwelling units per acre (du/ac). The proposed Rezone would change the zoning district from PD-BP/C/LI to Planned Development Residential 24+ du/ac (PD-24+). The PD-24+ zoning designation allows residential development at a density greater than 24 du/ac.

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. A detailed description of the potential buildout options for the project site are included in the analysis below.



Figure 1 Regional Project Location

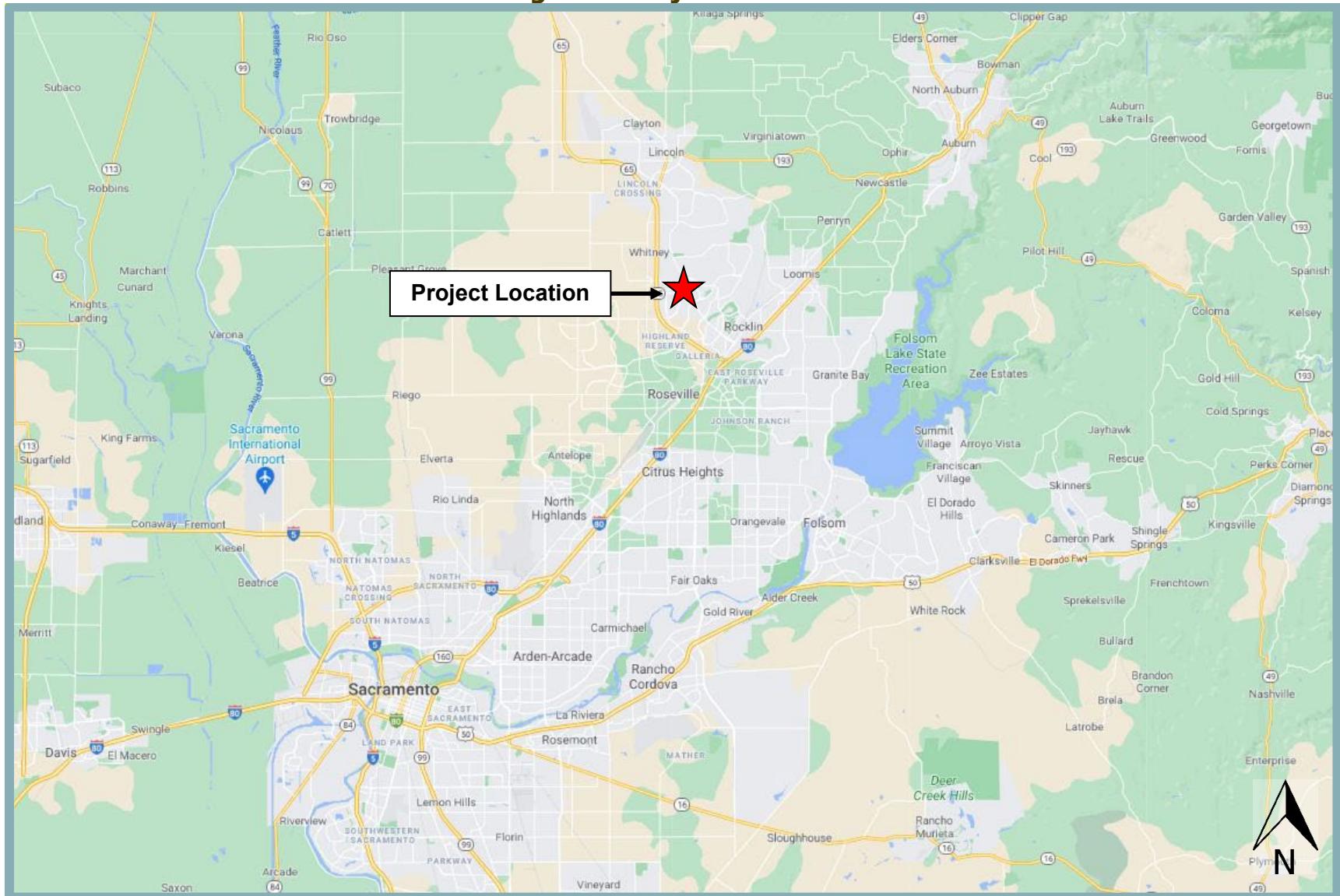


Figure 2
Project Vicinity Map



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. Placer County Air Pollution Control District. *CEQA Air Quality Handbook*. November 21, 2017.
4. Placer County Air Pollution Control District. *Placer County Air Pollution Control District Policy. Review of Land Use Projects Under CEQA*. October 13, 2016.
5. Placer County Community Development and Resource Agency. *Placer County Sustainability Plan: A Greenhouse Gas Emission Reduction Plan and Adaptation Strategy*. January 28, 2020.
6. U.S. Environmental Protection Agency. *Nonattainment and Unclassifiable Area Designations for the 2015 Ozone Standards*. April 30, 2018.



III. AIR QUALITY.

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a. Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	✗	<input 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 Placer County Air Pollution Control District (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 contribute local 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 a potential buildup option that would be allowable under the proposed land use and zoning designations. The following includes a description of each buildup option for the project site that was evaluated in this analysis:



- **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 zoning allows for commercial uses, this analysis assumes commercial development rather than light industrial or office development to provide a maximum development analysis for automobile trip generation. As such, under the Approved Conditions scenario, the modeling assumes development of 136,125 square feet (sf) of commercial uses, as well as 681 parking spaces, consistent with the Rocklin Municipal Code (RMC).
- **Proposed Project:** The proposed project scenario assumes development of 375 multi-family dwelling units on-site, as well as a 15,000-sf community clubhouse, and 942 resident parking spaces, consistent with the RMC.

For both buildout scenarios, the modeling assumed the following:

- Construction would begin in June 2022 and occur over approximately 16 months, consistent with CalEEMod default construction values;
- Demolition of the approximately 69,100-sf building pads would be required;
- The proposed project would be operational by 2024;
- A water conservation strategy of 20 percent outdoor water use was applied to reflect compliance with the Model Water Efficient Landscape Ordinance (MWELO); and
- Residential uses would not include fireplaces.

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.

Table 2 Maximum Unmitigated Construction Emissions (lbs/day)			
	ROG	NOx	PM₁₀
Proposed Project	20.21	38.89	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, 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 BP/COM/LI and zoned PD-BP/C/LI and, thus, the City of Rocklin General Plan has anticipated development of the project site with commercial, light industrial, or office uses. In order to assess whether development of the site with multi-family residences would result in an increase in air quality emissions, both scenarios were modeled using CalEEMod. The assumptions used in the model were discussed above.



Table 3 presents the estimated unmitigated operational emissions for the approved conditions compared to the proposed project scenario.

Table 3 Maximum Unmitigated Operational Emissions (lbs/day)			
	ROG	NOx	PM₁₀
Approved Conditions	8.48	6.85	8.08
Proposed Project	19.56	12.64	14.53
<i>Net Change</i>	+11.08	+5.79	+6.45
PCAPCD Significance Threshold	55.0	55.0	82.0
Exceeds Threshold?	NO	NO	NO

Source: CalEEMod, January 2022 (see Appendix).

As shown in the table, the proposed project would result in an increase of unmitigated operational emissions when 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 development of the proposed project 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 Placer County and surrounding areas, could either delay attainment of the standards or require the adoption of additional controls on existing and future air pollution sources to offset emission increases. Thus, the project could cumulatively contribute to regional air quality health effects through emissions of criteria and mobile source air pollutants.

The PCAPCD recommends using the region's existing attainment plans as a basis for analysis of cumulative emissions. If a project would interfere with an adopted attainment plan, the project would inhibit the future attainment of AAQS, and thus result in a cumulative impact. As discussed above, the PCAPCD's recommended thresholds of significance for ozone precursors and 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, 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 receptor are the two schools (Western Sierra Collegiate Academy, and Seavey Center) located approximately 500 feet to the north of the project site, as well as the South Placer County Jail, located approximately 350 feet to the west, across SR 65.

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.

According to the modeling performed for the proposed project, operation of the project would result in maximum mobile source CO emissions of 107.94 lbs/day (see Appendix A). Consequently, CO emissions related to operation of the proposed project would be 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.

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

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



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

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

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

Naturally Occurring Asbestos (NOA)

Asbestos is a known carcinogen and, thus, NOA is considered a TAC. According to the *Special Report 190: Relative Likelihood for the Presence of Naturally Occurring Asbestos in Placer County, California*, prepared by the Department of Conservation, the project site is located within an area categorized as least likely to contain NOA, because faults and serpentinite outcroppings are not known to be in the project area.³ 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. Because the SVAB is designated as nonattainment for State and federal eight-hour ozone and State PM₁₀ standards, the PCAPCD, along with other air districts in the SVAB region, has adopted federal and State attainment plans to demonstrate progress towards attainment of the AAQS. Full implementation of the attainment plans would ensure that the AAQS are attained and sensitive receptors within the SVAB are not exposed to excess concentrations of criteria pollutants. 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.⁴ Thus,

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

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



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). 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, TACs, or criteria pollutants. Consequently, the proposed project would result in a ***less-than-significant*** impact related to the exposure of sensitive receptors to substantial pollutant concentrations.

- 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 below the 1,100 MT CO₂e/yr threshold is judged by the PCAPCD as having a less-than-significant impact on GHG emissions within the PCAPCD 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 4.

Table 4 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 5 presents the estimated unmitigated maximum construction-related GHG emissions for the proposed project.

Table 5 Unmitigated Annual Construction GHG Emissions (MTCO₂e/yr)	
	Maximum GHG Emissions
Proposed Project	907.95
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 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 6 presents the estimated operational GHG emissions at full buildout for the approved conditions compared to the proposed project scenario.

As shown in the table, the proposed project would result in higher emissions than the operational GHG emissions expected from the approved conditions of the project site, and buildout 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 PCACPD's Bright Line Threshold of 10,000 MTCO₂e/yr.



Table 6 Unmitigated Operational GHG Emissions (MTCO₂e/yr) –			
Emission Source	Approved Conditions	Proposed Project	Net Difference
Area	0.02	4.68	+4.66
Energy	217.82	364.77	+146.95
Mobile	995.09	2,237.43	+1,242.34
Solid Waste	63.67	129.75	+66.08
Water	49.05	51.44	+2.39
TOTAL ANNUAL GHG EMISSIONS	1,325.64	2,788.06	+1,462.42
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).

Because the proposed project would exceed the PCAPCD's screening level threshold, the project has been further evaluated in comparison with the efficiency thresholds presented in Table 4. The efficiency thresholds rely on 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 4). The PCAPCD directs lead agencies to determine whether a project is considered rural or urban. The project site is located in a primarily developed area. Additionally, the urban development threshold is a more stringent metric for comparison and, as such, the PCAPCD's urban development threshold is conservatively used for the following analysis.

The estimated emissions per capita for the proposed project are presented below in Table 7 and compared with the applicable PCAPCD efficiency threshold. As shown in the table, the proposed project would result in operational GHG emissions below the applicable PCAPCD efficiency threshold, and operations of the proposed project would not be considered to result in a cumulatively considerable contribution to global climate change.

Table 7 Unmitigated Operational GHG Emissions	
Project Emissions	PCAPCD Efficiency Threshold for Urban Residential Projects
2.60 MTCO ₂ e/yr/capita	4.5 MTCO ₂ e/yr/capita

Notes: The estimated population of the proposed project is 1,073 residents.
Emissions per capita = 2,788.06 MTCO₂e/yr / 1,073 residents

Conclusion

Based on the information presented above, 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, therefore, 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

Parcel 1 - 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

Parcel 1 - 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	136.13	1000sqft	6.37	136,125.00	0
Parking Lot	681.00	Space	6.13	272,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas 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 - Lot acreage adjusted based on size of project site.

Construction Phase - Length of architectural coating phase adjusted to occur concurrently with building construction.

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	PhaseEndDate	11/14/2023	10/31/2023
tblConstructionPhase	PhaseEndDate	9/19/2023	10/17/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	8/23/2022
tblConstructionPhase	PhaseStartDate	10/18/2023	9/7/2022

Parcel 1 - 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	PhaseStartDate	7/27/2022	8/24/2022
tblConstructionPhase	PhaseStartDate	9/20/2023	7/27/2022
tblLandUse	LandUseSquareFeet	136,130.00	136,125.00
tblLandUse	LotAcreage	3.13	6.37

2.0 Emissions Summary

Parcel 1 - 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****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	0.3936	1.8294	1.7914	4.0100e-003	0.3291	0.0812	0.4103	0.1305	0.0758	0.2063	0.0000	358.1697	358.1697	0.0670	0.0112	363.1697
2023	0.7265	1.9848	2.4303	5.8400e-003	0.2010	0.0828	0.2838	0.0546	0.0784	0.1329	0.0000	525.2286	525.2286	0.0627	0.0238	533.8721
Maximum	0.7265	1.9848	2.4303	5.8400e-003	0.3291	0.0828	0.4103	0.1305	0.0784	0.2063	0.0000	525.2286	525.2286	0.0670	0.0238	533.8721

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	0.3936	1.8294	1.7914	4.0100e-003	0.3291	0.0812	0.4103	0.1305	0.0758	0.2063	0.0000	358.1694	358.1694	0.0670	0.0112	363.1694
2023	0.7265	1.9848	2.4303	5.8400e-003	0.2010	0.0828	0.2838	0.0546	0.0784	0.1329	0.0000	525.2283	525.2283	0.0627	0.0238	533.8718
Maximum	0.7265	1.9848	2.4303	5.8400e-003	0.3291	0.0828	0.4103	0.1305	0.0784	0.2063	0.0000	525.2283	525.2283	0.0670	0.0238	533.8718

Parcel 1 - 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
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	6-1-2022	8-31-2022	1.0131	1.0131
2	9-1-2022	11-30-2022	0.8988	0.8988
3	12-1-2022	2-28-2023	0.8603	0.8603
4	3-1-2023	5-31-2023	0.8500	0.8500
5	6-1-2023	8-31-2023	0.8472	0.8472
6	9-1-2023	9-30-2023	0.2763	0.2763
		Highest	1.0131	1.0131

Parcel 1 - 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****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	0.6168	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156	
Energy	7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003	0.0000	215.9929	215.9929	0.0238	4.1400e-003	217.8191	
Mobile	0.5798	0.8302	5.2943	0.0104	1.0355	9.3900e-003	1.0449	0.2774	8.8100e-003	0.2862	0.0000	977.6965	977.6965	0.0639	0.0530	995.0921	
Waste						0.0000	0.0000		0.0000	0.0000	25.6987	0.0000	25.6987	1.5188	0.0000	63.6673	
Water						0.0000	0.0000		0.0000	0.0000	7.6759	16.9152	24.5912	0.7911	0.0190	50.0157	
Total	1.2046	0.9024	5.3623	0.0109	1.0355	0.0149	1.0504	0.2774	0.0143	0.2917	33.3746	1,210.6192	1,243.9938	2.3976	0.0761	1,326.6098	

Parcel 1 - 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	0.6168	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156	
Energy	7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003	0.0000	215.9929	215.9929	0.0238	4.1400e-003	217.8191	
Mobile	0.5798	0.8302	5.2943	0.0104	1.0355	9.3900e-003	1.0449	0.2774	8.8100e-003	0.2862	0.0000	977.6965	977.6965	0.0639	0.0530	995.0921	
Waste						0.0000	0.0000		0.0000	0.0000	25.6987	0.0000	25.6987	1.5188	0.0000	63.6673	
Water						0.0000	0.0000		0.0000	0.0000	7.6759	15.9548	23.6307	0.7910	0.0189	49.0457	
Total	1.2046	0.9024	5.3623	0.0109	1.0355	0.0149	1.0504	0.2774	0.0143	0.2917	33.3746	1,209.6587	1,243.0333	2.3974	0.0761	1,325.6398	

	ROG	NOx	CO	SO2	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	0.08	0.08	0.01	0.03	0.07

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	6/1/2022	6/14/2022	5	10	
2	Grading	Grading	6/15/2022	7/26/2022	5	30	
3	Building Construction	Building Construction	8/24/2022	10/17/2023	5	300	

Parcel 1 - 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	Paving	Paving	7/27/2022	8/23/2022	5	20
5	Architectural Coating	Architectural Coating	9/7/2022	10/31/2023	5	300

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 6.13**

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 204,188; Non-Residential Outdoor: 68,063; Striped Parking Area: 16,344 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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

Parcel 1 - 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	8	20.00	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	158.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0983	8.0600e-003	0.1064	0.0505	7.4200e-003	0.0579	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Parcel 1 - 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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	
Total	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	

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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0983	8.0600e-003	0.1064	0.0505	7.4200e-003	0.0579	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Parcel 1 - 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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	
Total	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633
Total	0.0544	0.5827	0.4356	9.3000e-004	0.1381	0.0245	0.1626	0.0548	0.0226	0.0774	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633

Parcel 1 - 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 - 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	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	
Total	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	

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					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632
Total	0.0544	0.5827	0.4356	9.3000e-004	0.1381	0.0245	0.1626	0.0548	0.0226	0.0774	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632

Parcel 1 - 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 - 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	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	
Total	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0793	0.7261	0.7609	1.2500e-003		0.0376	0.0376		0.0354	0.0354	0.0000	107.7522	107.7522	0.0258	0.0000	108.3976
Total	0.0793	0.7261	0.7609	1.2500e-003		0.0376	0.0376		0.0354	0.0354	0.0000	107.7522	107.7522	0.0258	0.0000	108.3976

Parcel 1 - 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 Building Construction - 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	5.8100e-003	0.1676	0.0499	6.5000e-004	0.0204	1.5300e-003	0.0219	5.8900e-003	1.4700e-003	7.3600e-003	0.0000	62.6080	62.6080	2.7000e-004	9.4700e-003	65.4372	
Worker	0.0204	0.0143	0.1797	5.1000e-004	0.0577	3.1000e-004	0.0580	0.0154	2.8000e-004	0.0156	0.0000	46.7723	46.7723	1.4600e-003	1.3500e-003	47.2105	
Total	0.0262	0.1819	0.2296	1.1600e-003	0.0781	1.8400e-003	0.0799	0.0213	1.7500e-003	0.0230	0.0000	109.3803	109.3803	1.7300e-003	0.0108	112.6477	

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	0.0793	0.7261	0.7609	1.2500e-003		0.0376	0.0376		0.0354	0.0354	0.0000	107.7521	107.7521	0.0258	0.0000	108.3975
Total	0.0793	0.7261	0.7609	1.2500e-003		0.0376	0.0376		0.0354	0.0354	0.0000	107.7521	107.7521	0.0258	0.0000	108.3975

Parcel 1 - 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 Building Construction - 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	5.8100e-003	0.1676	0.0499	6.5000e-004	0.0204	1.5300e-003	0.0219	5.8900e-003	1.4700e-003	7.3600e-003	0.0000	62.6080	62.6080	2.7000e-004	9.4700e-003	65.4372	
Worker	0.0204	0.0143	0.1797	5.1000e-004	0.0577	3.1000e-004	0.0580	0.0154	2.8000e-004	0.0156	0.0000	46.7723	46.7723	1.4600e-003	1.3500e-003	47.2105	
Total	0.0262	0.1819	0.2296	1.1600e-003	0.0781	1.8400e-003	0.0799	0.0213	1.7500e-003	0.0230	0.0000	109.3803	109.3803	1.7300e-003	0.0108	112.6477	

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	0.1628	1.4888	1.6813	2.7900e-003		0.0724	0.0724		0.0682	0.0682	0.0000	239.9179	239.9179	0.0571	0.0000	241.3447
Total	0.1628	1.4888	1.6813	2.7900e-003		0.0724	0.0724		0.0682	0.0682	0.0000	239.9179	239.9179	0.0571	0.0000	241.3447

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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	7.9700e-003	0.3203	0.1015	1.4100e-003	0.0453	1.9200e-003	0.0472	0.0131	1.8400e-003	0.0150	0.0000	134.6691	134.6691	3.8000e-004	0.0204	140.7469	
Worker	0.0423	0.0283	0.3721	1.0900e-003	0.1284	6.4000e-004	0.1291	0.0342	5.9000e-004	0.0348	0.0000	101.4083	101.4083	2.9500e-003	2.7900e-003	102.3135	
Total	0.0502	0.3486	0.4736	2.5000e-003	0.1737	2.5600e-003	0.1763	0.0473	2.4300e-003	0.0497	0.0000	236.0773	236.0773	3.3300e-003	0.0232	243.0604	

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	0.1628	1.4888	1.6813	2.7900e-003		0.0724	0.0724		0.0682	0.0682	0.0000	239.9176	239.9176	0.0571	0.0000	241.3444
Total	0.1628	1.4888	1.6813	2.7900e-003		0.0724	0.0724		0.0682	0.0682	0.0000	239.9176	239.9176	0.0571	0.0000	241.3444

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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	7.9700e-003	0.3203	0.1015	1.4100e-003	0.0453	1.9200e-003	0.0472	0.0131	1.8400e-003	0.0150	0.0000	134.6691	134.6691	3.8000e-004	0.0204	140.7469	
Worker	0.0423	0.0283	0.3721	1.0900e-003	0.1284	6.4000e-004	0.1291	0.0342	5.9000e-004	0.0348	0.0000	101.4083	101.4083	2.9500e-003	2.7900e-003	102.3135	
Total	0.0502	0.3486	0.4736	2.5000e-003	0.1737	2.5600e-003	0.1763	0.0473	2.4300e-003	0.0497	0.0000	236.0773	236.0773	3.3300e-003	0.0232	243.0604	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	8.0300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0191	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Paving - 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	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	
Total	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Off-Road	0.0110	0.1113	0.1458	2.3000e-004			5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	8.0300e-003						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0191	0.1113	0.1458	2.3000e-004			5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Parcel 1 - 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 Paving - 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	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	
Total	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	tons/yr										MT/yr						
Archit. Coating	0.1850						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	8.4900e-003	0.0585	0.0753	1.2000e-004			3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	10.5960	10.5960	6.9000e-004	0.0000	10.6133
Total	0.1935	0.0585	0.0753	1.2000e-004			3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	10.5960	10.5960	6.9000e-004	0.0000	10.6133

Parcel 1 - 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 - 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	3.6900e-003	2.5900e-003	0.0325	9.0000e-005	0.0104	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	8.4543	8.4543	2.6000e-004	2.4000e-004	8.5335	
Total	3.6900e-003	2.5900e-003	0.0325	9.0000e-005	0.0104	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	8.4543	8.4543	2.6000e-004	2.4000e-004	8.5335	

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	0.1850						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Off-Road	8.4900e-003	0.0585	0.0753	1.2000e-004			3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	10.5960	10.5960	6.9000e-004	0.0000	10.6132
Total	0.1935	0.0585	0.0753	1.2000e-004			3.3900e-003	3.3900e-003		3.3900e-003	3.3900e-003	0.0000	10.5960	10.5960	6.9000e-004	0.0000	10.6132

Parcel 1 - 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 - 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	3.6900e-003	2.5900e-003	0.0325	9.0000e-005	0.0104	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	8.4543	8.4543	2.6000e-004	2.4000e-004	8.5335	
Total	3.6900e-003	2.5900e-003	0.0325	9.0000e-005	0.0104	6.0000e-005	0.0105	2.7800e-003	5.0000e-005	2.8300e-003	0.0000	8.4543	8.4543	2.6000e-004	2.4000e-004	8.5335	

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	0.4838					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.1414	0.1965	3.2000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	27.7028	27.7028	1.6600e-003	0.0000	27.7442
Total	0.5046	0.1414	0.1965	3.2000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	27.7028	27.7028	1.6600e-003	0.0000	27.7442

Parcel 1 - 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	8.9700e-003	6.0100e-003	0.0790	2.3000e-004	0.0273	1.4000e-004	0.0274	7.2600e-003	1.3000e-004	7.3800e-003	0.0000	21.5306	21.5306	6.3000e-004	5.9000e-004	21.7228	
Total	8.9700e-003	6.0100e-003	0.0790	2.3000e-004	0.0273	1.4000e-004	0.0274	7.2600e-003	1.3000e-004	7.3800e-003	0.0000	21.5306	21.5306	6.3000e-004	5.9000e-004	21.7228	

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	0.4838						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0208	0.1414	0.1965	3.2000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	27.7028	27.7028	1.6600e-003	0.0000	27.7442
Total	0.5046	0.1414	0.1965	3.2000e-004		7.6800e-003	7.6800e-003		7.6800e-003	7.6800e-003	0.0000	27.7028	27.7028	1.6600e-003	0.0000	27.7442

Parcel 1 - 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	8.9700e-003	6.0100e-003	0.0790	2.3000e-004	0.0273	1.4000e-004	0.0274	7.2600e-003	1.3000e-004	7.3800e-003	0.0000	21.5306	21.5306	6.3000e-004	5.9000e-004	21.7228	
Total	8.9700e-003	6.0100e-003	0.0790	2.3000e-004	0.0273	1.4000e-004	0.0274	7.2600e-003	1.3000e-004	7.3800e-003	0.0000	21.5306	21.5306	6.3000e-004	5.9000e-004	21.7228	

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

Parcel 1 - 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	0.5798	0.8302	5.2943	0.0104	1.0355	9.3900e-003	1.0449	0.2774	8.8100e-003	0.2862	0.0000	977.6965	977.6965	0.0639	0.0530	995.0921	
Unmitigated	0.5798	0.8302	5.2943	0.0104	1.0355	9.3900e-003	1.0449	0.2774	8.8100e-003	0.2862	0.0000	977.6965	977.6965	0.0639	0.0530	995.0921	

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT		Annual VMT	
Office Park	1,506.96	223.25	103.46		2,814,698		2,814,698
Parking Lot	0.00	0.00	0.00				
Total	1,506.96	223.25	103.46		2,814,698		2,814,698

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	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Parking Lot	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450

5.0 Energy Detail

Parcel 1 - 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	137.5401	137.5401	0.0223	2.7000e-003	138.9001	
Electricity Unmitigated							0.0000	0.0000		0.0000	0.0000	137.5401	137.5401	0.0223	2.7000e-003	138.9001	
NaturalGas Mitigated	7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003	5.4800e-003	5.4800e-003	0.0000	78.4528	78.4528	1.5000e-003	1.4400e-003	78.9190		
NaturalGas Unmitigated	7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003	5.4800e-003	5.4800e-003	0.0000	78.4528	78.4528	1.5000e-003	1.4400e-003	78.9190		

Parcel 1 - 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	1.47015e+006	7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003	0.0000	78.4528	78.4528	1.5000e-003	1.4400e-003	78.9190
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		7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003	0.0000	78.4528	78.4528	1.5000e-003	1.4400e-003	78.9190

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	1.47015e+006	7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003	0.0000	78.4528	78.4528	1.5000e-003	1.4400e-003	78.9190
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		7.9300e-003	0.0721	0.0605	4.3000e-004		5.4800e-003	5.4800e-003		5.4800e-003	5.4800e-003	0.0000	78.4528	78.4528	1.5000e-003	1.4400e-003	78.9190

Parcel 1 - 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	1.3912e+006	128.7188	0.0208	2.5200e-003	129.9916
Parking Lot	95340	8.8212	1.4300e-003	1.7000e-004	8.9084
Total		137.5401	0.0223	2.6900e-003	138.9001

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Office Park	1.3912e+006	128.7188	0.0208	2.5200e-003	129.9916
Parking Lot	95340	8.8212	1.4300e-003	1.7000e-004	8.9084
Total		137.5401	0.0223	2.6900e-003	138.9001

6.0 Area Detail

Parcel 1 - 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	0.6168	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156	
Unmitigated	0.6168	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156	

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	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.9000e-004	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156
Total	0.6168	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156

Parcel 1 - 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	0.0669					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5492					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.9000e-004	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156	
Total	0.6168	7.0000e-005	7.5000e-003	0.0000		3.0000e-005	3.0000e-005		3.0000e-005	3.0000e-005	0.0000	0.0146	0.0146	4.0000e-005	0.0000	0.0156	

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Parcel 1 - 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	23.6307	0.7910	0.0189	49.0457
Unmitigated	24.5912	0.7911	0.0190	50.0157

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Office Park	24.1949 / 14.8291	24.5912	0.7911	0.0190	50.0157
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		24.5912	0.7911	0.0190	50.0157

Parcel 1 - 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	24.1949 / 11.8633	23.6307	0.7910	0.0189	49.0457
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		23.6307	0.7910	0.0189	49.0457

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	25.6987	1.5188	0.0000	63.6673
Unmitigated	25.6987	1.5188	0.0000	63.6673

Parcel 1 - 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	126.6	25.6987	1.5188	0.0000	63.6673
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.6987	1.5188	0.0000	63.6673

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Office Park	126.6	25.6987	1.5188	0.0000	63.6673
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		25.6987	1.5188	0.0000	63.6673

9.0 Operational Offroad

Parcel 1 - 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Parcel 1 - 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

Parcel 1 - 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	136.13	1000sqft	6.37	136,125.00	0
Parking Lot	681.00	Space	6.13	272,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas 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 - Lot acreage adjusted based on size of project site.

Construction Phase - Length of architectural coating phase adjusted to occur concurrently with building construction.

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	PhaseEndDate	11/14/2023	10/31/2023
tblConstructionPhase	PhaseEndDate	9/19/2023	10/17/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	8/23/2022
tblConstructionPhase	PhaseStartDate	10/18/2023	9/7/2022

Parcel 1 - 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	PhaseStartDate	7/27/2022	8/24/2022
tblConstructionPhase	PhaseStartDate	9/20/2023	7/27/2022
tblLandUse	LandUseSquareFeet	136,130.00	136,125.00
tblLandUse	LotAcreage	3.13	6.37

2.0 Emissions Summary

Parcel 1 - 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)****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	7.0968	38.8780	29.5902	0.0636	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,163.8140	6,163.8140	1.9483	0.2598	6,213.6343	
2023	6.8605	18.9241	23.8615	0.0573	2.0148	0.7966	2.8114	0.5447	0.7539	1.2986	0.0000	5,679.6209	5,679.6209	0.6638	0.2496	5,770.5955	
Maximum	7.0968	38.8780	29.5902	0.0636	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,163.8140	6,163.8140	1.9483	0.2598	6,213.6343	

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	7.0968	38.8780	29.5902	0.0636	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,163.8140	6,163.8140	1.9483	0.2598	6,213.6343	
2023	6.8605	18.9241	23.8615	0.0573	2.0148	0.7966	2.8114	0.5447	0.7539	1.2986	0.0000	5,679.6209	5,679.6209	0.6638	0.2496	5,770.5955	
Maximum	7.0968	38.8780	29.5902	0.0636	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,163.8140	6,163.8140	1.9483	0.2598	6,213.6343	

Parcel 1 - 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

Parcel 1 - 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	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Energy	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003		476.6757	
Mobile	5.0539	5.6095	39.7332	0.0816	7.9819	0.0693	8.0512	2.1305	0.0650	2.1956	8,434.062 2	8,434.062 2	0.4800	0.4110		8,568.545 3	
Total	8.4811	6.0051	40.1482	0.0840	7.9819	0.0996	8.0815	2.1305	0.0954	2.2259	8,908.100 8	8,908.100 8	0.4895	0.4197	9,045.411 5		

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	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Energy	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003		476.6757	
Mobile	5.0539	5.6095	39.7332	0.0816	7.9819	0.0693	8.0512	2.1305	0.0650	2.1956	8,434.062 2	8,434.062 2	0.4800	0.4110		8,568.545 3	
Total	8.4811	6.0051	40.1482	0.0840	7.9819	0.0996	8.0815	2.1305	0.0954	2.2259	8,908.100 8	8,908.100 8	0.4895	0.4197	9,045.411 5		

Parcel 1 - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 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	6/1/2022	6/14/2022	5	10	
2	Grading	Grading	6/15/2022	7/26/2022	5	30	
3	Building Construction	Building Construction	8/24/2022	10/17/2023	5	300	
4	Paving	Paving	7/27/2022	8/23/2022	5	20	
5	Architectural Coating	Architectural Coating	9/7/2022	10/31/2023	5	300	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 6.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 204,188; Non-Residential Outdoor: 68,063; Striped Parking Area: 16,344 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Parcel 1 - 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

Grading	Tractors/Loaders/Backhoes	2	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

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	8	20.00	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	158.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Parcel 1 - 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

Parcel 1 - 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

Parcel 1 - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.410 5	6,011.410 5	1.9442		6,060.015 8	
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.410 5	6,011.410 5	1.9442		6,060.015 8	

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	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184
Total	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184

Parcel 1 - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	

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	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184	
Total	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184	

Parcel 1 - 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 Building Construction - 2022****Unmitigated Construction On-Site**

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

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	0.1273	3.4301	1.0551	0.0140	0.4540	0.0330	0.4870	0.1307	0.0315	0.1622		1,483.440 5	1,483.440 5	6.4700e- 003	0.2243	1,550.443 0	
Worker	0.4989	0.2726	4.3348	0.0118	1.2979	6.5600e- 003	1.3045	0.3443	6.0400e- 003	0.3503		1,203.986 9	1,203.986 9	0.0321	0.0295	1,213.585 6	
Total	0.6262	3.7027	5.3898	0.0259	1.7519	0.0395	1.7915	0.4750	0.0376	0.5126		2,687.427 5	2,687.427 5	0.0385	0.2538	2,764.028 6	

Parcel 1 - 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 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	

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	0.1273	3.4301	1.0551	0.0140	0.4540	0.0330	0.4870	0.1307	0.0315	0.1622	1,483.4405	1,483.4405	6.4700e-003	0.2243	1,550.4430		
Worker	0.4989	0.2726	4.3348	0.0118	1.2979	6.5600e-003	1.3045	0.3443	6.0400e-003	0.3503	1,203.9869	1,203.9869	0.0321	0.0295	1,213.5856		
Total	0.6262	3.7027	5.3898	0.0259	1.7519	0.0395	1.7915	0.4750	0.0376	0.5126	2,687.4275	2,687.4275	0.0385	0.2538	2,764.0286		

Parcel 1 - 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 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	0.0797	2.9449	0.9653	0.0136	0.4540	0.0186	0.4726	0.1307	0.0178	0.1485	1,432.947 6	1,432.947 6	4.2000e-003	0.2166		1,497.589 2	
Worker	0.4637	0.2423	4.0258	0.0115	1.2979	6.2300e-003	1.3042	0.3443	5.7300e-003	0.3500	1,172.539 0	1,172.539 0	0.0290	0.0275		1,181.450 1	
Total	0.5434	3.1872	4.9910	0.0250	1.7519	0.0248	1.7767	0.4750	0.0235	0.4985	2,605.486 7	2,605.486 7	0.0332	0.2440		2,679.039 4	

Parcel 1 - 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 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	0.0797	2.9449	0.9653	0.0136	0.4540	0.0186	0.4726	0.1307	0.0178	0.1485		1,432.947 6	1,432.947 6	4.2000e-003	0.2166	1,497.589 2	
Worker	0.4637	0.2423	4.0258	0.0115	1.2979	6.2300e-003	1.3042	0.3443	5.7300e-003	0.3500		1,172.539 0	1,172.539 0	0.0290	0.0275	1,181.450 1	
Total	0.5434	3.1872	4.9910	0.0250	1.7519	0.0248	1.7767	0.4750	0.0235	0.4985		2,605.486 7	2,605.486 7	0.0332	0.2440	2,679.039 4	

Parcel 1 - 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 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4
Paving	0.8030					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Total	1.9059	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4

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	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138
Total	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138

Parcel 1 - 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 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510	
Paving	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	1.9059	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510	
																4	

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	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138	
Total	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138	

Parcel 1 - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	4.4588						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	4.6633	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.1010	0.0552	0.8779	2.4000e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			243.8455	243.8455	6.5000e-003	5.9800e-003	245.7895
Total	0.1010	0.0552	0.8779	2.4000e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			243.8455	243.8455	6.5000e-003	5.9800e-003	245.7895

Parcel 1 - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	4.4588						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	4.6633	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.1010	0.0552	0.8779	2.4000e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			243.8455	243.8455	6.5000e-003	5.9800e-003	245.7895
Total	0.1010	0.0552	0.8779	2.4000e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			243.8455	243.8455	6.5000e-003	5.9800e-003	245.7895

Parcel 1 - 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	4.4588						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	4.6505	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	0.0939	0.0491	0.8153	2.3200e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			237.4763	237.4763	5.8800e-003	5.5600e-003	239.2810
Total	0.0939	0.0491	0.8153	2.3200e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			237.4763	237.4763	5.8800e-003	5.5600e-003	239.2810

Parcel 1 - 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	4.4588						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	4.6505	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	0.0939	0.0491	0.8153	2.3200e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			237.4763	237.4763	5.8800e-003	5.5600e-003	239.2810
Total	0.0939	0.0491	0.8153	2.3200e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			237.4763	237.4763	5.8800e-003	5.5600e-003	239.2810

Parcel 1 - 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	5.0539	5.6095	39.7332	0.0816	7.9819	0.0693	8.0512	2.1305	0.0650	2.1956	8,434.062	8,434.062	0.4800	0.4110	8,568.545	3	
Unmitigated	5.0539	5.6095	39.7332	0.0816	7.9819	0.0693	8.0512	2.1305	0.0650	2.1956	8,434.062	8,434.062	0.4800	0.4110	8,568.545	3	

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	1,506.96	223.25	103.46	2,814,698	2,814,698	2,814,698	2,814,698
Parking Lot	0.00	0.00	0.00				
Total	1,506.96	223.25	103.46	2,814,698	2,814,698	2,814,698	2,814,698

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

Parcel 1 - 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	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Parking Lot	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450

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	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	
NaturalGas Unmitigated	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	

Parcel 1 - 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	4027.81	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	
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		0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	

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	4.02781	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	
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		0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	

6.0 Area Detail

Parcel 1 - 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	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Unmitigated	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	

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	0.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	3.0096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	7.6900e-003	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Total	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	

Parcel 1 - 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	0.3665						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	3.0096						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	7.6900e-003	7.6000e-004	0.0833	1.0000e-005			3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004	0.1905
Total	3.3837	7.6000e-004	0.0833	1.0000e-005			3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004	0.1905

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Parcel 1 - 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Parcel 1 - 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

Parcel 1 - 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	136.13	1000sqft	6.37	136,125.00	0
Parking Lot	681.00	Space	6.13	272,400.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas 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 - Lot acreage adjusted based on size of project site.

Construction Phase - Length of architectural coating phase adjusted to occur concurrently with building construction.

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

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblConstructionPhase	PhaseEndDate	11/14/2023	10/31/2023
tblConstructionPhase	PhaseEndDate	9/19/2023	10/17/2023
tblConstructionPhase	PhaseEndDate	10/17/2023	8/23/2022
tblConstructionPhase	PhaseStartDate	10/18/2023	9/7/2022

Parcel 1 - 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	PhaseStartDate	7/27/2022	8/24/2022
tblConstructionPhase	PhaseStartDate	9/20/2023	7/27/2022
tblLandUse	LandUseSquareFeet	136,130.00	136,125.00
tblLandUse	LotAcreage	3.13	6.37

2.0 Emissions Summary

Parcel 1 - 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)****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	7.0495	38.8866	29.5403	0.0634	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,148.729 4	6,148.729 4	1.9490	0.2659	6,198.743 5	
2023	6.8160	19.2174	23.4702	0.0559	2.0148	0.7967	2.8115	0.5447	0.7540	1.2987	0.0000	5,543.550 6	5,543.550 6	0.6697	0.2555	5,636.418 4	
Maximum	7.0495	38.8866	29.5403	0.0634	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,148.729 4	6,148.729 4	1.9490	0.2659	6,198.743 5	

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Year	lb/day										lb/day						
2022	7.0495	38.8866	29.5403	0.0634	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,148.729 4	6,148.729 4	1.9490	0.2659	6,198.743 5	
2023	6.8160	19.2174	23.4702	0.0559	2.0148	0.7967	2.8115	0.5447	0.7540	1.2987	0.0000	5,543.550 6	5,543.550 6	0.6697	0.2555	5,636.418 4	
Maximum	7.0495	38.8866	29.5403	0.0634	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	6,148.729 4	6,148.729 4	1.9490	0.2659	6,198.743 5	

Parcel 1 - 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

Parcel 1 - 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	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Energy	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003		476.6757	
Mobile	4.1939	6.4521	41.7148	0.0758	7.9819	0.0693	8.0513	2.1305	0.0651	2.1956	7,838.7770	7,838.7770	0.5592	0.4481		7,986.2739	
Total	7.6211	6.8478	42.1298	0.0782	7.9819	0.0997	8.0816	2.1305	0.0954	2.2259	8,312.8156	8,312.8156	0.5687	0.4567	8,463.1401		

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	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Energy	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003		476.6757	
Mobile	4.1939	6.4521	41.7148	0.0758	7.9819	0.0693	8.0513	2.1305	0.0651	2.1956	7,838.7770	7,838.7770	0.5592	0.4481		7,986.2739	
Total	7.6211	6.8478	42.1298	0.0782	7.9819	0.0997	8.0816	2.1305	0.0954	2.2259	8,312.8156	8,312.8156	0.5687	0.4567	8,463.1401		

Parcel 1 - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 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	6/1/2022	6/14/2022	5	10	
2	Grading	Grading	6/15/2022	7/26/2022	5	30	
3	Building Construction	Building Construction	8/24/2022	10/17/2023	5	300	
4	Paving	Paving	7/27/2022	8/23/2022	5	20	
5	Architectural Coating	Architectural Coating	9/7/2022	10/31/2023	5	300	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 6.13

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 204,188; Non-Residential Outdoor: 68,063; Striped Parking Area: 16,344 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48

Parcel 1 - 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

Grading	Tractors/Loaders/Backhoes	2	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

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	8	20.00	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	158.00	67.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	32.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Parcel 1 - 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	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	0.0528	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		

Parcel 1 - 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

Parcel 1 - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.410 5	6,011.410 5	1.9442		6,060.015 8	
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.410 5	6,011.410 5	1.9442		6,060.015 8	

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	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277
Total	0.0587	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277

Parcel 1 - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	

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	0.0587	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277	
Total	0.0587	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277	

Parcel 1 - 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 Building Construction - 2022****Unmitigated Construction On-Site**

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

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	0.1225	3.6767	1.0971	0.0141	0.4540	0.0331	0.4871	0.1307	0.0316	0.1624	1,485.161 3	1,485.161 3	6.2500e-003	0.2248	1,552.292 1	
Worker	0.4636	0.3404	3.9404	0.0107	1.2979	6.5600e-003	1.3045	0.3443	6.0400e-003	0.3503	1,084.819 0	1,084.819 0	0.0376	0.0342	1,095.948 8	
Total	0.5861	4.0171	5.0374	0.0247	1.7519	0.0396	1.7916	0.4750	0.0377	0.5127	2,569.980 2	2,569.980 2	0.0438	0.2590	2,648.240 9	

Parcel 1 - 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 Building Construction - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	

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	0.1225	3.6767	1.0971	0.0141	0.4540	0.0331	0.4871	0.1307	0.0316	0.1624		1,485.1613	1,485.1613	6.2500e-003	0.2248	1,552.2921	
Worker	0.4636	0.3404	3.9404	0.0107	1.2979	6.5600e-003	1.3045	0.3443	6.0400e-003	0.3503		1,084.8190	1,084.8190	0.0376	0.0342	1,095.9488	
Total	0.5861	4.0171	5.0374	0.0247	1.7519	0.0396	1.7916	0.4750	0.0377	0.5127		2,569.9802	2,569.9802	0.0438	0.2590	2,648.2409	

Parcel 1 - 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 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	0.0741	3.1661	1.0005	0.0136	0.4540	0.0187	0.4726	0.1307	0.0178	0.1486	1,436.106 7	1,436.106 7	3.9400e-003	0.2172		1,500.937 1	
Worker	0.4314	0.3022	3.6711	0.0103	1.2979	6.2300e-003	1.3042	0.3443	5.7300e-003	0.3500	1,056.758 8	1,056.758 8	0.0341	0.0318		1,067.087 3	
Total	0.5055	3.4683	4.6716	0.0239	1.7519	0.0249	1.7768	0.4750	0.0236	0.4986		2,492.865 5	2,492.865 5	0.0381	0.2490		2,568.024 4

Parcel 1 - 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 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	0.0741	3.1661	1.0005	0.0136	0.4540	0.0187	0.4726	0.1307	0.0178	0.1486		1,436.106 7	1,436.106 7	3.9400e-003	0.2172	1,500.937 1	
Worker	0.4314	0.3022	3.6711	0.0103	1.2979	6.2300e-003	1.3042	0.3443	5.7300e-003	0.3500		1,056.758 8	1,056.758 8	0.0341	0.0318	1,067.087 3	
Total	0.5055	3.4683	4.6716	0.0239	1.7519	0.0249	1.7768	0.4750	0.0236	0.4986		2,492.865 5	2,492.865 5	0.0381	0.2490	2,568.024 4	

Parcel 1 - 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 Paving - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4
Paving	0.8030					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Total	1.9059	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4

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	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458	
Total	0.0440	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458	

Parcel 1 - 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 Paving - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
Paving	0.8030					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.9059	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
																4

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	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458
Total	0.0440	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458

Parcel 1 - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	4.4588						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	4.6633	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.0939	0.0689	0.7980	2.1600e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			219.7102	219.7102	7.6100e-003	6.9300e-003	221.9643
Total	0.0939	0.0689	0.7980	2.1600e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			219.7102	219.7102	7.6100e-003	6.9300e-003	221.9643

Parcel 1 - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	4.4588						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	4.6633	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.0939	0.0689	0.7980	2.1600e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			219.7102	219.7102	7.6100e-003	6.9300e-003	221.9643
Total	0.0939	0.0689	0.7980	2.1600e-003	0.2629	1.3300e-003	0.2642	0.0697	1.2200e-003	0.0710			219.7102	219.7102	7.6100e-003	6.9300e-003	221.9643

Parcel 1 - 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	4.4588						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	4.6505	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	0.0874	0.0612	0.7435	2.0900e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			214.0271	214.0271	6.9100e-003	6.4400e-003	216.1190
Total	0.0874	0.0612	0.7435	2.0900e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			214.0271	214.0271	6.9100e-003	6.4400e-003	216.1190

Parcel 1 - 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	4.4588						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	4.6505	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	0.0874	0.0612	0.7435	2.0900e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			214.0271	214.0271	6.9100e-003	6.4400e-003	216.1190
Total	0.0874	0.0612	0.7435	2.0900e-003	0.2629	1.2600e-003	0.2641	0.0697	1.1600e-003	0.0709			214.0271	214.0271	6.9100e-003	6.4400e-003	216.1190

Parcel 1 - 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	4.1939	6.4521	41.7148	0.0758	7.9819	0.0693	8.0513	2.1305	0.0651	2.1956	7,838.777 0	7,838.777 0	0.5592	0.4481	7,986.273 9	
Unmitigated	4.1939	6.4521	41.7148	0.0758	7.9819	0.0693	8.0513	2.1305	0.0651	2.1956	7,838.777 0	7,838.777 0	0.5592	0.4481	7,986.273 9	

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	1,506.96	223.25	103.46	2,814,698	2,814,698	2,814,698	2,814,698
Parking Lot	0.00	0.00	0.00				
Total	1,506.96	223.25	103.46	2,814,698	2,814,698	2,814,698	2,814,698

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

Parcel 1 - 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	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Parking Lot	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450

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	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	
NaturalGas Unmitigated	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	

Parcel 1 - 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	4027.81	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	
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		0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	

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	4.02781	0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	
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		0.0434	0.3949	0.3317	2.3700e-003		0.0300	0.0300		0.0300	0.0300	473.8598	473.8598	9.0800e-003	8.6900e-003	476.6757	

6.0 Area Detail

Parcel 1 - 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	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Unmitigated	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	

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	0.3665					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	3.0096					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Landscaping	7.6900e-003	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	
Total	3.3837	7.6000e-004	0.0833	1.0000e-005		3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004	0.1788	0.1788	4.7000e-004			0.1905	

Parcel 1 - 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	0.3665						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Consumer Products	3.0096						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000
Landscaping	7.6900e-003	7.6000e-004	0.0833	1.0000e-005			3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004	0.1905
Total	3.3837	7.6000e-004	0.0833	1.0000e-005			3.0000e-004	3.0000e-004		3.0000e-004	3.0000e-004		0.1788	0.1788	4.7000e-004	0.1905

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Parcel 1 - 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Parcel 1 - Proposed Project - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**Parcel 1 - Proposed Project****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	942.00	Space	8.48	376,800.00	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Mid Rise	375.00	Dwelling Unit	3.68	375,000.00	1073

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas 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 - Acreages adjusted based on project site dimensions.

Construction Phase - Architectural coating phase adjusted to occur concurrently with building construction.

Area Mitigation -

Water Mitigation - Outdoor water conservation measure applied to reflect compliance with MWELO.

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LotAcreage	9.87	3.68

Parcel 1 - Proposed Project - Placer County APCD Air District, Annual

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

2.0 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	0.7672	1.9976	2.0784	5.0400e-003	0.4494	0.0857	0.5351	0.1587	0.0799	0.2386	0.0000	453.8884	453.8884	0.0729	0.0166	460.6509
2023	2.3190	2.4356	3.5890	9.7900e-003	0.5458	0.0934	0.6392	0.1471	0.0884	0.2355	0.0000	892.6901	892.6901	0.0758	0.0448	907.9495
Maximum	2.3190	2.4356	3.5890	9.7900e-003	0.5458	0.0934	0.6392	0.1587	0.0884	0.2386	0.0000	892.6901	892.6901	0.0758	0.0448	907.9495

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	0.7672	1.9976	2.0784	5.0400e-003	0.4494	0.0857	0.5351	0.1587	0.0799	0.2386	0.0000	453.8881	453.8881	0.0729	0.0166	460.6506
2023	2.3190	2.4356	3.5890	9.7900e-003	0.5458	0.0934	0.6392	0.1471	0.0884	0.2355	0.0000	892.6898	892.6898	0.0758	0.0448	907.9491
Maximum	2.3190	2.4356	3.5890	9.7900e-003	0.5458	0.0934	0.6392	0.1587	0.0884	0.2386	0.0000	892.6898	892.6898	0.0758	0.0448	907.9491

Parcel 1 - Proposed Project - 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
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	6-1-2022	8-31-2022	1.1672	1.1672
2	9-1-2022	11-30-2022	1.1159	1.1159
3	12-1-2022	2-28-2023	1.3581	1.3581
4	3-1-2023	5-31-2023	1.3497	1.3497
5	6-1-2023	8-31-2023	1.3450	1.3450
6	9-1-2023	9-30-2023	0.4386	0.4386
		Highest	1.3581	1.3581

Parcel 1 - Proposed Project - 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****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	25.4087	0.4917	31.8370	0.0528		4.0878	4.0878		4.0878	4.0878	387.3591	167.0182	554.3773	0.3619	0.0305	572.5039	
Energy	0.0205	0.1763	0.0806	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	361.9923	361.9923	0.0296	6.8400e-003	364.7699	
Mobile	1.2697	1.8496	11.7771	0.0235	2.3328	0.0211	2.3538	0.6249	0.0198	0.6447	0.0000	2,198.7463	2,198.7463	0.1409	0.1180	2,237.4330	
Waste						0.0000	0.0000		0.0000	0.0000	52.3717	0.0000	52.3717	3.0951	0.0000	129.7486	
Water						0.0000	0.0000		0.0000	0.0000	8.0328	17.8405	25.8733	0.8279	0.0198	52.4814	
Total	26.6989	2.5175	43.6948	0.0773	2.3328	4.1231	6.4558	0.6249	4.1218	4.7467	447.76372	2,745.5972	3,193.3609	4.4554	0.1751	3,356.9368	

Parcel 1 - Proposed Project - 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	1.8788	0.0322	2.7920	1.5000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	4.5654	4.5654	4.4100e-003	0.0000	4.6756	
Energy	0.0205	0.1763	0.0806	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	361.9923	361.9923	0.0296	6.8400e-003	364.7699	
Mobile	1.2697	1.8496	11.7771	0.0235	2.3328	0.0211	2.3538	0.6249	0.0198	0.6447	0.0000	2,198.7463	2,198.7463	0.1409	0.1180	2,237.4330	
Waste						0.0000	0.0000		0.0000	0.0000	52.3717	0.0000	52.3717	3.0951	0.0000	129.7486	
Water						0.0000	0.0000		0.0000	0.0000	8.0328	16.8077	24.8405	0.8278	0.0198	51.4383	
Total	3.1690	2.0580	14.6498	0.0247	2.3328	0.0507	2.3835	0.6249	0.0494	0.6744	60.4045	2,582.1116	2,642.5161	4.0977	0.1447	2,788.0655	

	ROG	NOx	CO	SO2	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	88.13	18.25	66.47	68.04	0.00	98.77	63.08	0.00	98.80	85.79	86.51	5.95	17.25	8.03	17.41	16.95

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	6/29/2022	7/12/2022	5	10	
2	Grading	Grading	7/13/2022	8/23/2022	5	30	
3	Paving	Paving	8/24/2022	9/20/2022	5	20	

Parcel 1 - Proposed Project - 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	9/21/2022	11/14/2023	5	300
5	Architectural Coating	Architectural Coating	10/5/2022	11/28/2023	5	300
6	Demolition	Demolition	6/1/2022	6/28/2022	5	20

Acres of Grading (Site Preparation Phase): 15**Acres of Grading (Grading Phase): 90****Acres of Paving: 8.48**

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 22,608 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73

Parcel 1 - Proposed Project - Placer County APCD Air District, Annual

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

Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	435.00	104.00	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	87.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	314.00	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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0983	8.0600e-003	0.1064	0.0505	7.4200e-003	0.0579	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Parcel 1 - Proposed Project - 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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	
Total	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	

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					0.0983	0.0000	0.0983	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e-004		8.0600e-003	8.0600e-003		7.4200e-003	7.4200e-003	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e-004	0.0983	8.0600e-003	0.1064	0.0505	7.4200e-003	0.0579	0.0000	16.7197	16.7197	5.4100e-003	0.0000	16.8549

Parcel 1 - Proposed Project - 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	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	
Total	2.5000e-004	1.8000e-004	2.2000e-003	1.0000e-005	7.1000e-004	0.0000	7.1000e-004	1.9000e-004	0.0000	1.9000e-004	0.0000	0.5730	0.5730	2.0000e-005	2.0000e-005	0.5783	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633
Total	0.0544	0.5827	0.4356	9.3000e-004	0.1381	0.0245	0.1626	0.0548	0.0226	0.0774	0.0000	81.8019	81.8019	0.0265	0.0000	82.4633

Parcel 1 - Proposed Project - 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 - 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	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	
Total	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	

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					0.1381	0.0000	0.1381	0.0548	0.0000	0.0548	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0544	0.5827	0.4356	9.3000e-004		0.0245	0.0245		0.0226	0.0226	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632
Total	0.0544	0.5827	0.4356	9.3000e-004	0.1381	0.0245	0.1626	0.0548	0.0226	0.0774	0.0000	81.8018	81.8018	0.0265	0.0000	82.4632

Parcel 1 - Proposed Project - 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 - 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	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	
Total	8.3000e-004	5.9000e-004	7.3400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.9099	1.9099	6.0000e-005	6.0000e-005	1.9278	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895
Paving	0.0111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0221	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0276	20.0276	6.4800e-003	0.0000	20.1895

Parcel 1 - Proposed Project - 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 - 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	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	
Total	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0110	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895
Paving	0.0111					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0221	0.1113	0.1458	2.3000e-004		5.6800e-003	5.6800e-003		5.2200e-003	5.2200e-003	0.0000	20.0275	20.0275	6.4800e-003	0.0000	20.1895

Parcel 1 - Proposed Project - 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 - 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	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	
Total	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0623	0.5700	0.5973	9.8000e-004		0.0295	0.0295		0.0278	0.0278	0.0000	84.5797	84.5797	0.0203	0.0000	85.0863
Total	0.0623	0.5700	0.5973	9.8000e-004		0.0295	0.0295		0.0278	0.0278	0.0000	84.5797	84.5797	0.0203	0.0000	85.0863

Parcel 1 - Proposed Project - 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 - 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	7.0800e-003	0.2042	0.0608	8.0000e-004	0.0248	1.8700e-003	0.0267	7.1800e-003	1.7900e-003	8.9700e-003	0.0000	76.2831	76.2831	3.3000e-004	0.0115	79.7302	
Worker	0.0441	0.0310	0.3883	1.1000e-003	0.1247	6.6000e-004	0.1253	0.0332	6.1000e-004	0.0338	0.0000	101.0789	101.0789	3.1600e-003	2.9100e-003	102.0260	
Total	0.0512	0.2351	0.4492	1.9000e-003	0.1495	2.5300e-003	0.1520	0.0404	2.4000e-003	0.0428	0.0000	177.3620	177.3620	3.4900e-003	0.0145	181.7562	

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	0.0623	0.5700	0.5973	9.8000e-004		0.0295	0.0295		0.0278	0.0278	0.0000	84.5796	84.5796	0.0203	0.0000	85.0862
Total	0.0623	0.5700	0.5973	9.8000e-004		0.0295	0.0295		0.0278	0.0278	0.0000	84.5796	84.5796	0.0203	0.0000	85.0862

Parcel 1 - Proposed Project - 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 - 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	7.0800e-003	0.2042	0.0608	8.0000e-004	0.0248	1.8700e-003	0.0267	7.1800e-003	1.7900e-003	8.9700e-003	0.0000	76.2831	76.2831	3.3000e-004	0.0115	79.7302
Worker	0.0441	0.0310	0.3883	1.1000e-003	0.1247	6.6000e-004	0.1253	0.0332	6.1000e-004	0.0338	0.0000	101.0789	101.0789	3.1600e-003	2.9100e-003	102.0260
Total	0.0512	0.2351	0.4492	1.9000e-003	0.1495	2.5300e-003	0.1520	0.0404	2.4000e-003	0.0428	0.0000	177.3620	177.3620	3.4900e-003	0.0145	181.7562

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	0.1785	1.6327	1.8437	3.0600e-003		0.0794	0.0794		0.0747	0.0747	0.0000	263.0984	263.0984	0.0626	0.0000	264.6631
Total	0.1785	1.6327	1.8437	3.0600e-003		0.0794	0.0794		0.0747	0.0747	0.0000	263.0984	263.0984	0.0626	0.0000	264.6631

Parcel 1 - Proposed Project - 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	0.0136	0.5452	0.1728	2.3900e-003	0.0771	3.2800e-003	0.0804	0.0223	3.1300e-003	0.0255	0.0000	229.2355	229.2355	6.5000e-004	0.0347	239.5812
Worker	0.1276	0.0855	1.1233	3.3000e-003	0.3877	1.9500e-003	0.3897	0.1032	1.7900e-003	0.1050	0.0000	306.1689	306.1689	8.9200e-003	8.4200e-003	308.9019
Total	0.1411	0.6307	1.2961	5.6900e-003	0.4648	5.2300e-003	0.4700	0.1255	4.9200e-003	0.1305	0.0000	535.4044	535.4044	9.5700e-003	0.0431	548.4831

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	0.1785	1.6327	1.8437	3.0600e-003		0.0794	0.0794		0.0747	0.0747	0.0000	263.0981	263.0981	0.0626	0.0000	264.6628
Total	0.1785	1.6327	1.8437	3.0600e-003		0.0794	0.0794		0.0747	0.0747	0.0000	263.0981	263.0981	0.0626	0.0000	264.6628

Parcel 1 - Proposed Project - 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	0.0136	0.5452	0.1728	2.3900e-003	0.0771	3.2800e-003	0.0804	0.0223	3.1300e-003	0.0255	0.0000	229.2355	229.2355	6.5000e-004	0.0347	239.5812
Worker	0.1276	0.0855	1.1233	3.3000e-003	0.3877	1.9500e-003	0.3897	0.1032	1.7900e-003	0.1050	0.0000	306.1689	306.1689	8.9200e-003	8.4200e-003	308.9019
Total	0.1411	0.6307	1.2961	5.6900e-003	0.4648	5.2300e-003	0.4700	0.1255	4.9200e-003	0.1305	0.0000	535.4044	535.4044	9.5700e-003	0.0431	548.4831

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.5184					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4400e-003	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	8.0428	8.0428	5.2000e-004	0.0000	8.0558
Total	0.5248	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	8.0428	8.0428	5.2000e-004	0.0000	8.0558

Parcel 1 - Proposed Project - 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 - 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	7.6200e-003	5.3500e-003	0.0670	1.9000e-004	0.0215	1.1000e-004	0.0216	5.7300e-003	1.0000e-004	5.8300e-003	0.0000	17.4465	17.4465	5.5000e-004	5.0000e-004	17.6100	
Total	7.6200e-003	5.3500e-003	0.0670	1.9000e-004	0.0215	1.1000e-004	0.0216	5.7300e-003	1.0000e-004	5.8300e-003	0.0000	17.4465	17.4465	5.5000e-004	5.0000e-004	17.6100	

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	0.5184					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.4400e-003	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	8.0427	8.0427	5.2000e-004	0.0000	8.0558
Total	0.5248	0.0444	0.0571	9.0000e-005		2.5700e-003	2.5700e-003		2.5700e-003	2.5700e-003	0.0000	8.0427	8.0427	5.2000e-004	0.0000	8.0558

Parcel 1 - Proposed Project - 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 - 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	7.6200e-003	5.3500e-003	0.0670	1.9000e-004	0.0215	1.1000e-004	0.0216	5.7300e-003	1.0000e-004	5.8300e-003	0.0000	17.4465	17.4465	5.5000e-004	5.0000e-004	17.6100	
Total	7.6200e-003	5.3500e-003	0.0670	1.9000e-004	0.0215	1.1000e-004	0.0216	5.7300e-003	1.0000e-004	5.8300e-003	0.0000	17.4465	17.4465	5.5000e-004	5.0000e-004	17.6100	

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	1.9500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.1544	0.2146	3.5000e-004		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	30.2561	30.2561	1.8100e-003	0.0000	30.3013
Total	1.9727	0.1544	0.2146	3.5000e-004		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	30.2561	30.2561	1.8100e-003	0.0000	30.3013

Parcel 1 - Proposed Project - 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	0.0266	0.0179	0.2346	6.9000e-004	0.0810	4.1000e-004	0.0814	0.0216	3.7000e-004	0.0219	0.0000	63.9313	63.9313	1.8600e-003	1.7600e-003	64.5020
Total	0.0266	0.0179	0.2346	6.9000e-004	0.0810	4.1000e-004	0.0814	0.0216	3.7000e-004	0.0219	0.0000	63.9313	63.9313	1.8600e-003	1.7600e-003	64.5020

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	1.9500					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0227	0.1544	0.2146	3.5000e-004		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	30.2560	30.2560	1.8100e-003	0.0000	30.3013
Total	1.9727	0.1544	0.2146	3.5000e-004		8.3900e-003	8.3900e-003		8.3900e-003	8.3900e-003	0.0000	30.2560	30.2560	1.8100e-003	0.0000	30.3013

Parcel 1 - Proposed Project - 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	0.0266	0.0179	0.2346	6.9000e-004	0.0810	4.1000e-004	0.0814	0.0216	3.7000e-004	0.0219	0.0000	63.9313	63.9313	1.8600e-003	1.7600e-003	64.5020
Total	0.0266	0.0179	0.2346	6.9000e-004	0.0810	4.1000e-004	0.0814	0.0216	3.7000e-004	0.0219	0.0000	63.9313	63.9313	1.8600e-003	1.7600e-003	64.5020

3.7 Demolition - 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					0.0340	0.0000	0.0340	5.1500e-003	0.0000	5.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0340	0.0124	0.0464	5.1500e-003	0.0116	0.0167	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Parcel 1 - Proposed Project - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 Demolition - 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	6.1000e-004	0.0250	5.0800e-003	1.0000e-004	2.6400e-003	2.3000e-004	2.8800e-003	7.3000e-004	2.2000e-004	9.5000e-004	0.0000	9.5254	9.5254	3.0000e-005	1.5000e-003	9.9722	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	
Total	1.0300e-003	0.0253	8.7500e-003	1.1000e-004	3.8200e-003	2.4000e-004	4.0600e-003	1.0400e-003	2.3000e-004	1.2700e-003	0.0000	10.4804	10.4804	6.0000e-005	1.5300e-003	10.9360	

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					0.0340	0.0000	0.0340	5.1500e-003	0.0000	5.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0264	0.2572	0.2059	3.9000e-004		0.0124	0.0124		0.0116	0.0116	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289
Total	0.0264	0.2572	0.2059	3.9000e-004	0.0340	0.0124	0.0464	5.1500e-003	0.0116	0.0167	0.0000	33.9902	33.9902	9.5500e-003	0.0000	34.2289

Parcel 1 - Proposed Project - Placer County APCD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 Demolition - 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	6.1000e-004	0.0250	5.0800e-003	1.0000e-004	2.6400e-003	2.3000e-004	2.8800e-003	7.3000e-004	2.2000e-004	9.5000e-004	0.0000	9.5254	9.5254	3.0000e-005	1.5000e-003	9.9722	
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Worker	4.2000e-004	2.9000e-004	3.6700e-003	1.0000e-005	1.1800e-003	1.0000e-005	1.1800e-003	3.1000e-004	1.0000e-005	3.2000e-004	0.0000	0.9549	0.9549	3.0000e-005	3.0000e-005	0.9639	
Total	1.0300e-003	0.0253	8.7500e-003	1.1000e-004	3.8200e-003	2.4000e-004	4.0600e-003	1.0400e-003	2.3000e-004	1.2700e-003	0.0000	10.4804	10.4804	6.0000e-005	1.5300e-003	10.9360	

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

Parcel 1 - Proposed Project - 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	1.2697	1.8496	11.7771	0.0235	2.3328	0.0211	2.3538	0.6249	0.0198	0.6447	0.0000	2,198.746	2,198.746	0.1409	0.1180	2,237.433	
Unmitigated	1.2697	1.8496	11.7771	0.0235	2.3328	0.0211	2.3538	0.6249	0.0198	0.6447	0.0000	2,198.746	2,198.746	0.1409	0.1180	2,237.433	

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	2,040.00	1,841.25	1533.75	5,555,167	5,555,167	5,555,167	5,555,167
Health Club	493.95	313.05	400.95	785,780	785,780	785,780	785,780
Parking Lot	0.00	0.00	0.00				
Total	2,533.95	2,154.30	1,934.70	6,340,946	6,340,946	6,340,946	6,340,946

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
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
Apartments Mid Rise	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Health Club	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450

Parcel 1 - Proposed Project - Placer County APCD Air District, Annual

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

Parking Lot	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
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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	158.7916	158.7916	0.0257	3.1100e-003	160.3618	
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	158.7916	158.7916	0.0257	3.1100e-003	160.3618	
NaturalGas Mitigated	0.0205	0.1763	0.0806	1.1200e-003		0.0142	0.0142		0.0142	0.0142	203.2006	203.2006	3.8900e-003	3.7300e-003	204.4082	
NaturalGas Unmitigated	0.0205	0.1763	0.0806	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	203.2006	203.2006	3.8900e-003	3.7300e-003	204.4082

Parcel 1 - Proposed Project - 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	3.53109e+006	0.0190	0.1627	0.0692	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.4322	188.4322	3.6100e-003	3.4500e-003	189.5520
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		0.0205	0.1763	0.0806	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	203.2006	203.2006	3.8900e-003	3.7200e-003	204.4082

Parcel 1 - Proposed Project - 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	3.53109e+006	0.0190	0.1627	0.0692	1.0400e-003		0.0132	0.0132		0.0132	0.0132	0.0000	188.4322	188.4322	3.6100e-003	3.4500e-003	189.5520
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		0.0205	0.1763	0.0806	1.1200e-003		0.0142	0.0142		0.0142	0.0142	0.0000	203.2006	203.2006	3.8900e-003	3.7200e-003	204.4082

Parcel 1 - Proposed Project - 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	1.46015e+006	135.0981	0.0219	2.6500e-003	136.4340
Health Club	124200	11.4915	1.8600e-003	2.3000e-004	11.6051
Parking Lot	131880	12.2020	1.9700e-003	2.4000e-004	12.3227
Total		158.7916	0.0257	3.1200e-003	160.3618

Parcel 1 - Proposed Project - 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	1.46015e+006	135.0981	0.0219	2.6500e-003	136.4340
Health Club	124200	11.4915	1.8600e-003	2.3000e-004	11.6051
Parking Lot	131880	12.2020	1.9700e-003	2.4000e-004	12.3227
Total		158.7916	0.0257	3.1200e-003	160.3618

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Parcel 1 - Proposed Project - 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	1.8788	0.0322	2.7920	1.5000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	4.5654	4.5654	4.4100e-003	0.0000	4.6756
Unmitigated	25.4087	0.4917	31.8370	0.0528		4.0878	4.0878		4.0878	4.0878	387.3591	167.0182	554.3773	0.3619	0.0305	572.5039

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	0.2468					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.5475					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	23.5298	0.4595	29.0450	0.0526		4.0724	4.0724		4.0724	4.0724	387.3591	162.4528	549.8119	0.3575	0.0305	567.8283
Landscaping	0.0845	0.0322	2.7920	1.5000e-004		0.0155	0.0155		0.0155	0.0155	0.0000	4.5654	4.5654	4.4100e-003	0.0000	4.6756
Total	25.4087	0.4917	31.8370	0.0528		4.0879	4.0879		4.0879	4.0879	387.3591	167.0182	554.3773	0.3619	0.0305	572.5039

Parcel 1 - Proposed Project - 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	0.2468						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Consumer Products	1.5475						0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Landscaping	0.0845	0.0322	2.7920	1.5000e-004			0.0155	0.0155		0.0155	0.0155	0.0000	4.5654	4.5654	4.4100e-003	0.0000	4.6756
Total	1.8788	0.0322	2.7920	1.5000e-004			0.0155	0.0155		0.0155	0.0155	0.0000	4.5654	4.5654	4.4100e-003	0.0000	4.6756

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Parcel 1 - Proposed Project - 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	24.8405	0.8278	0.0198	51.4383
Unmitigated	25.8733	0.8279	0.0198	52.4814

7.2 Water by Land Use**Unmitigated**

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	24.4328 / 15.4033	24.9716	0.7989	0.0191	50.6475
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		25.8733	0.8279	0.0198	52.4814

Parcel 1 - Proposed Project - 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	24.4328 / 12.3226	23.9740	0.7988	0.0191	49.6400
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		24.8405	0.8278	0.0198	51.4383

8.0 Waste Detail**8.1 Mitigation Measures Waste**

Parcel 1 - Proposed Project - 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	52.3717	3.0951	0.0000	129.7486
Unmitigated	52.3717	3.0951	0.0000	129.7486

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use tons MT/yr					
Apartments Mid Rise	172.5	35.0159	2.0694	0.0000	86.7505
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		52.3717	3.0951	0.0000	129.7486

Parcel 1 - Proposed Project - 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	172.5	35.0159	2.0694	0.0000	86.7505
Health Club	85.5	17.3557	1.0257	0.0000	42.9981
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		52.3717	3.0951	0.0000	129.7486

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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10.0 Stationary Equipment**Fire Pumps and Emergency Generators**

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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Parcel 1 - Proposed Project - 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

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

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

Parcel 1 - Proposed Project
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	942.00	Space	8.48	376,800.00	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Mid Rise	375.00	Dwelling Unit	3.68	375,000.00	1073

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas 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 - Acreages adjusted based on project site dimensions.

Construction Phase - Architectural coating phase adjusted to occur concurrently with building construction.

Area Mitigation -

Water Mitigation - Outdoor water conservation measure applied to reflect compliance with MWELO.

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LotAcreage	9.87	3.68

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

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

2.0 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	20.2126	38.8780	34.1359	0.0908	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	9,116.164 6	9,116.164 6	1.9483	0.4457	9,267.637 0	
2023	19.8760	21.0595	32.8537	0.0888	4.9928	0.8199	5.8128	1.3403	0.7758	2.1161	0.0000	8,934.766 3	8,934.766 3	0.7270	0.4269	9,080.163 1	
Maximum	20.2126	38.8780	34.1359	0.0908	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	9,116.164 6	9,116.164 6	1.9483	0.4457	9,267.637 0	

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	20.2126	38.8780	34.1359	0.0908	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	9,116.164 6	9,116.164 6	1.9483	0.4457	9,267.637 0	
2023	19.8760	21.0595	32.8537	0.0888	4.9928	0.8199	5.8128	1.3403	0.7758	2.1161	0.0000	8,934.766 3	8,934.766 3	0.7270	0.4269	9,080.163 1	
Maximum	20.2126	38.8780	34.1359	0.0908	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	9,116.164 6	9,116.164 6	1.9483	0.4457	9,267.637 0	

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

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

Parcel 1 - Proposed Project - 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	584.6690	11.5648	739.4374	1.2851		99.4983	99.4983		99.4983	99.4983	10,414.39 90	4,423.563 6	14,837.96 26	9.6648	0.8192	15,323.69 46	
Energy	0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.344 5	1,227.344 5	0.0235	0.0225	1,234.638 0		
Mobile	8.6804	9.8380	69.7820	0.1445	14.1536	0.1223	14.2759	3.7778	0.1148	3.8927	14,932.21 52	14,932.21 52	0.8358	0.7205	15,167.82 26		
Total	593.4619	22.3686	809.6612	1.4357	14.1536	99.6983	113.8519	3.7778	99.6908	103.4687	10,414.39 90	20,583.12 32	30,997.52 23	10.5241	1.5622	31,726.15 52	

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	10.7709	0.3572	31.0225	1.6400e-003		0.1718	0.1718		0.1718	0.1718	0.0000	55.9166	55.9166	0.0540	0.0000	57.2665	
Energy	0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.344 5	1,227.344 5	0.0235	0.0225	1,234.638 0		
Mobile	8.6804	9.8380	69.7820	0.1445	14.1536	0.1223	14.2759	3.7778	0.1148	3.8927	14,932.21 52	14,932.21 52	0.8358	0.7205	15,167.82 26		
Total	19.5638	11.1610	101.2463	0.1522	14.1536	0.3718	14.5254	3.7778	0.3643	4.1421	0.0000	16,215.47 62	16,215.47 62	0.9133	0.7430	16,459.72 70	

Parcel 1 - Proposed Project - 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	96.70	50.10	87.50	89.40	0.00	99.63	87.24	0.00	99.63	96.00	100.00	21.22	47.69	91.32	52.44	48.12

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	6/29/2022	7/12/2022	5	10	
2	Grading	Grading	7/13/2022	8/23/2022	5	30	
3	Paving	Paving	8/24/2022	9/20/2022	5	20	
4	Building Construction	Building Construction	9/21/2022	11/14/2023	5	300	
5	Architectural Coating	Architectural Coating	10/5/2022	11/28/2023	5	300	
6	Demolition	Demolition	6/1/2022	6/28/2022	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 8.48

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 22,608 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

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

Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	435.00	104.00	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	87.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	314.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Parcel 1 - Proposed Project - 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		

Parcel 1 - Proposed Project - 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

Parcel 1 - Proposed Project - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.410 5	6,011.410 5	1.9442			6,060.015 8
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.410 5	6,011.410 5	1.9442			6,060.015 8

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	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184
Total	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184

Parcel 1 - Proposed Project - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	

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	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184	
Total	0.0632	0.0345	0.5487	1.5000e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		152.4034	152.4034	4.0600e-003	3.7400e-003	153.6184	

Parcel 1 - Proposed Project - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4
Paving	1.1109					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Total	2.2137	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4

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	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138
Total	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138

Parcel 1 - Proposed Project - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510	
Paving	1.1109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Total	2.2137	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510	
																4	

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	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138	
Total	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138	

Parcel 1 - Proposed Project - 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 - 2022****Unmitigated Construction On-Site**

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

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	0.1976	5.3243	1.6377	0.0218	0.7047	0.0511	0.7559	0.2029	0.0489	0.2518	2,302.654 0	2,302.654 0	0.0100	0.3482	2,406.657 8		
Worker	1.3736	0.7506	11.9343	0.0326	3.5734	0.0181	3.5915	0.9478	0.0166	0.9645	3,314.774 1	3,314.774 1	0.0883	0.0813	3,341.200 7		
Total	1.5712	6.0750	13.5720	0.0544	4.2782	0.0692	4.3474	1.1508	0.0656	1.2163	5,617.428 1	5,617.428 1	0.0983	0.4294	5,747.858 5		

Parcel 1 - Proposed Project - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	

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	0.1976	5.3243	1.6377	0.0218	0.7047	0.0511	0.7559	0.2029	0.0489	0.2518		2,302.6540	2,302.6540	0.0100	0.3482	2,406.6578	
Worker	1.3736	0.7506	11.9343	0.0326	3.5734	0.0181	3.5915	0.9478	0.0166	0.9645		3,314.7741	3,314.7741	0.0883	0.0813	3,341.2007	
Total	1.5712	6.0750	13.5720	0.0544	4.2782	0.0692	4.3474	1.1508	0.0656	1.2163		5,617.4281	5,617.4281	0.0983	0.4294	5,747.8585	

Parcel 1 - Proposed Project - 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	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	0.1237	4.5712	1.4983	0.0211	0.7047	0.0288	0.7335	0.2029	0.0276	0.2305	2,224.276	2,224.276	6.5100e-003	0.3362	2,324.616	1	
Worker	1.2766	0.6670	11.0836	0.0315	3.5734	0.0171	3.5906	0.9478	0.0158	0.9636	3,228.192	3,228.192	0.0799	0.0756	3,252.726	7	
Total	1.4003	5.2382	12.5819	0.0526	4.2781	0.0460	4.3241	1.1507	0.0433	1.1941	5,452.469	5,452.469	0.0864	0.4118	5,577.342	7	

Parcel 1 - Proposed Project - 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	2,555.2099	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	0.1237	4.5712	1.4983	0.0211	0.7047	0.0288	0.7335	0.2029	0.0276	0.2305	2,224.276	2,224.276	6.5100e-003	0.3362	2,324.616	1	
Worker	1.2766	0.6670	11.0836	0.0315	3.5734	0.0171	3.5906	0.9478	0.0158	0.9636	3,228.192	3,228.192	0.0799	0.0756	3,252.726	7	
Total	1.4003	5.2382	12.5819	0.0526	4.2781	0.0460	4.3241	1.1507	0.0433	1.1941	5,452.469	5,452.469	0.0864	0.4118	5,577.342	7	

Parcel 1 - Proposed Project - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	16.4559						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	16.6605	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.2747	0.1501	2.3869	6.5200e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			662.9548	662.9548	0.0177	0.0163	668.2401
Total	0.2747	0.1501	2.3869	6.5200e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			662.9548	662.9548	0.0177	0.0163	668.2401

Parcel 1 - Proposed Project - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	16.4559						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	16.6605	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.2747	0.1501	2.3869	6.5200e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			662.9548	662.9548	0.0177	0.0163	668.2401
Total	0.2747	0.1501	2.3869	6.5200e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			662.9548	662.9548	0.0177	0.0163	668.2401

Parcel 1 - Proposed Project - 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	16.4559						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	16.6476	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	0.2553	0.1334	2.2167	6.3100e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			645.6386	645.6386	0.0160	0.0151	650.5453
Total	0.2553	0.1334	2.2167	6.3100e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			645.6386	645.6386	0.0160	0.0151	650.5453

Parcel 1 - Proposed Project - 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	16.4559						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	16.6476	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	0.2553	0.1334	2.2167	6.3100e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			645.6386	645.6386	0.0160	0.0151	650.5453
Total	0.2553	0.1334	2.2167	6.3100e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			645.6386	645.6386	0.0160	0.0151	650.5453

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 Demolition - 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					3.4009	0.0000	3.4009	0.5149	0.0000	0.5149			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	3.4009	1.2427	4.6436	0.5149	1.1553	1.6702		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.0624	2.3728	0.5027	9.9200e-003	0.2749	0.0232	0.2982	0.0754	0.0222	0.0976		1,049.636 0	1,049.636 0	2.9100e-003	0.1650	1,098.865 1
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	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138
Total	0.1098	2.3987	0.9142	0.0110	0.3981	0.0239	0.4220	0.1081	0.0228	0.1309		1,163.938 6	1,163.938 6	5.9500e-003	0.1678	1,214.079 0

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 Demolition - 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					3.4009	0.0000	3.4009	0.5149	0.0000	0.5149			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	3.4009	1.2427	4.6436	0.5149	1.1553	1.6702	0.0000	3,746.7812	3,746.7812	1.0524		3,773.0920

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	0.0624	2.3728	0.5027	9.9200e-003	0.2749	0.0232	0.2982	0.0754	0.0222	0.0976	1,049.6360	1,049.6360	2.9100e-003	0.1650	1,098.8651	
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	0.0474	0.0259	0.4115	1.1200e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	114.3026	114.3026	3.0400e-003	2.8000e-003	115.2138	
Total	0.1098	2.3987	0.9142	0.0110	0.3981	0.0239	0.4220	0.1081	0.0228	0.1309	1,163.9386	1,163.9386	5.9500e-003	0.1678	1,214.0790	

Parcel 1 - Proposed Project - 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	8.6804	9.8380	69.7820	0.1445	14.1536	0.1223	14.2759	3.7778	0.1148	3.8927	14,932.21 52	14,932.21 52	0.8358	0.7205	15,167.82 26		
Unmitigated	8.6804	9.8380	69.7820	0.1445	14.1536	0.1223	14.2759	3.7778	0.1148	3.8927	14,932.21 52	14,932.21 52	0.8358	0.7205	15,167.82 26		

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated		Mitigated	
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT	Annual VMT	Annual VMT
Apartments Mid Rise	2,040.00	1,841.25	1533.75	5,555,167	5,555,167	5,555,167	5,555,167
Health Club	493.95	313.05	400.95	785,780	785,780	785,780	785,780
Parking Lot	0.00	0.00	0.00				
Total	2,533.95	2,154.30	1,934.70	6,340,946	6,340,946	6,340,946	6,340,946

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Parcel 1 - Proposed Project - Placer County APCD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Health Club	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Parking Lot	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450

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	0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.3445	1,227.3445	0.0235	0.0225	1,234.6380	
NaturalGas Unmitigated	0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.3445	1,227.3445	0.0235	0.0225	1,234.6380	

Parcel 1 - Proposed Project - 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	9674.21	0.1043	0.8915	0.3794	5.6900e-003		0.0721	0.0721		0.0721	0.0721	1,138.1422	1,138.1422	0.0218	0.0209	1,144.9056	
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		0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.3445	1,227.3445	0.0235	0.0225	1,234.6380	

Parcel 1 - Proposed Project - 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	9.67421	0.1043	0.8915	0.3794	5.6900e-003		0.0721	0.0721		0.0721	0.0721	1,138.142	1,138.142	0.0218	0.0209	1,144.905	6
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	0.0000
Total		0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.344	1,227.344	0.0235	0.0225	1,234.638	0

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Parcel 1 - Proposed Project - 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	10.7709	0.3572	31.0225	1.6400e-003		0.1718	0.1718		0.1718	0.1718	0.0000	55.9166	55.9166	0.0540	0.0000	57.2665
Unmitigated	584.6690	11.5648	739.4374	1.2851		99.4983	99.4983		99.4983	99.4983	10,414.39 90	4,423.563 6	14,837.96 26	9.6648	0.8192	15,323.69 46

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	1.3525					0.0000	0.0000		0.0000	0.0000	0.0000					0.0000
Consumer Products	8.4795					0.0000	0.0000		0.0000	0.0000	0.0000					0.0000
Hearth	573.8981	11.2076	708.4149	1.2835		99.3265	99.3265		99.3265	99.3265	10,414.39 90	4,367.647 1	14,782.04 61	9.6108	0.8192	15,266.42 81
Landscaping	0.9389	0.3572	31.0225	1.6400e-003		0.1718	0.1718		0.1718	0.1718	0.0000	55.9166	55.9166	0.0540		57.2665
Total	584.6690	11.5648	739.4374	1.2851		99.4983	99.4983		99.4983	99.4983	10,414.39 90	4,423.563 6	14,837.96 26	9.6648	0.8192	15,323.69 46

Parcel 1 - Proposed Project - 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	1.3525						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Consumer Products	8.4795						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
Landscaping	0.9389	0.3572	31.0225	1.6400e-003			0.1718	0.1718		0.1718	0.1718		55.9166	55.9166	0.0540		57.2665
Total	10.7709	0.3572	31.0225	1.6400e-003			0.1718	0.1718		0.1718	0.1718		55.9166	55.9166	0.0540	0.0000	57.2665

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Parcel 1 - Proposed Project - 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

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

Parcel 1 - Proposed Project
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	942.00	Space	8.48	376,800.00	0
Health Club	15.00	1000sqft	0.34	15,000.00	0
Apartments Mid Rise	375.00	Dwelling Unit	3.68	375,000.00	1073

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	74
Climate Zone	2			Operational Year	2024
Utility Company	Pacific Gas 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 - Acreages adjusted based on project site dimensions.

Construction Phase - Architectural coating phase adjusted to occur concurrently with building construction.

Area Mitigation -

Water Mitigation - Outdoor water conservation measure applied to reflect compliance with MWELO.

Demolition -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	300.00
tblLandUse	LotAcreage	9.87	3.68

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

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

2.0 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	20.0883	38.8866	32.8980	0.0870	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	8,725.128 7	8,725.128 7	1.9490	0.4618	8,881.859 4	
2023	19.7606	21.6007	31.7367	0.0851	4.9928	0.8201	5.8129	1.3403	0.7759	2.1162	0.0000	8,557.155 5	8,557.155 5	0.7436	0.4422	8,707.528 3	
Maximum	20.0883	38.8866	32.8980	0.0870	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	8,725.128 7	8,725.128 7	1.9490	0.4618	8,881.859 4	

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	20.0883	38.8866	32.8980	0.0870	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	8,725.128 7	8,725.128 7	1.9490	0.4618	8,881.859 4	
2023	19.7606	21.6007	31.7367	0.0851	4.9928	0.8201	5.8129	1.3403	0.7759	2.1162	0.0000	8,557.155 5	8,557.155 5	0.7436	0.4422	8,707.528 2	
Maximum	20.0883	38.8866	32.8980	0.0870	19.8049	1.6357	21.4182	10.1417	1.5049	11.6259	0.0000	8,725.128 7	8,725.128 7	1.9490	0.4618	8,881.859 4	

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

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

Parcel 1 - Proposed Project - 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	584.6690	11.5648	739.4374	1.2851			99.4983	99.4983		99.4983	99.4983	10,414.39 90	4,423.563 6	14,837.96 26	9.6648	0.8192	15,323.69 46
Energy	0.1125	0.9659	0.4418	6.1400e-003			0.0777	0.0777		0.0777	0.0777		1,227.344 5	1,227.344 5	0.0235	0.0225	1,234.638 0
Mobile	7.2476	11.3156	72.9626	0.1342	14.1536	0.1224	14.2760	3.7778	0.1149	3.8927		13,875.85 16	13,875.85 16	0.9698	0.7851	14,134.04 39	
Total	592.0291	23.8463	812.8418	1.4255	14.1536	99.6984	113.8520	3.7778	99.6909	103.4687	10,414.39 90	19,526.75 97	29,941.15 87	10.6580	1.6267	30,692.37 64	

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	10.7709	0.3572	31.0225	1.6400e-003			0.1718	0.1718		0.1718	0.1718	0.0000	55.9166	55.9166	0.0540	0.0000	57.2665
Energy	0.1125	0.9659	0.4418	6.1400e-003			0.0777	0.0777		0.0777	0.0777		1,227.344 5	1,227.344 5	0.0235	0.0225	1,234.638 0
Mobile	7.2476	11.3156	72.9626	0.1342	14.1536	0.1224	14.2760	3.7778	0.1149	3.8927		13,875.85 16	13,875.85 16	0.9698	0.7851	14,134.04 39	
Total	18.1309	12.6387	104.4270	0.1420	14.1536	0.3719	14.5255	3.7778	0.3644	4.1422	0.0000	15,159.11 26	15,159.11 26	1.0473	0.8076	15,425.94 83	

Parcel 1 - Proposed Project - 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	96.94	47.00	87.15	90.04	0.00	99.63	87.24	0.00	99.63	96.00	100.00	22.37	49.37	90.17	50.36	49.74

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	6/29/2022	7/12/2022	5	10	
2	Grading	Grading	7/13/2022	8/23/2022	5	30	
3	Paving	Paving	8/24/2022	9/20/2022	5	20	
4	Building Construction	Building Construction	9/21/2022	11/14/2023	5	300	
5	Architectural Coating	Architectural Coating	10/5/2022	11/28/2023	5	300	
6	Demolition	Demolition	6/1/2022	6/28/2022	5	20	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 90

Acres of Paving: 8.48

Residential Indoor: 759,375; Residential Outdoor: 253,125; Non-Residential Indoor: 22,500; Non-Residential Outdoor: 7,500; Striped Parking Area: 22,608 (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	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

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

Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	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
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40

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	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	435.00	104.00	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	87.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	6	15.00	0.00	314.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Parcel 1 - Proposed Project - 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	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	0.0528	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		

Parcel 1 - Proposed Project - 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

Parcel 1 - Proposed Project - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.410 5	6,011.410 5	1.9442		6,060.015 8
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579		6,011.410 5	6,011.410 5	1.9442		6,060.015 8

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	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277
Total	0.0587	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443			137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277

Parcel 1 - Proposed Project - 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 - 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					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000	
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	
Total	3.6248	38.8435	29.0415	0.0621	9.2036	1.6349	10.8385	3.6538	1.5041	5.1579	0.0000	6,011.410 5	6,011.410 5	1.9442		6,060.015 8	

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	0.0587	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277	
Total	0.0587	0.0431	0.4988	1.3500e-003	0.1643	8.3000e-004	0.1651	0.0436	7.6000e-004	0.0443		137.3189	137.3189	4.7500e-003	4.3300e-003	138.7277	

Parcel 1 - Proposed Project - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4
Paving	1.1109					0.0000	0.0000		0.0000	0.0000		0.0000				0.0000
Total	2.2137	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	2,207.660 3	2,207.660 3	0.7140			2,225.510 4

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	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458	
Total	0.0440	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333	102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458	

Parcel 1 - Proposed Project - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
Paving	1.1109					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.2137	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510
																4

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	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458
Total	0.0440	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458

Parcel 1 - Proposed Project - 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 - 2022****Unmitigated Construction On-Site**

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

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	0.1902	5.7072	1.7029	0.0218	0.7047	0.0513	0.7561	0.2029	0.0491	0.2520	2,305.324 9	2,305.324 9	9.7000e-003	0.3489		2,409.528 0
Worker	1.2762	0.9371	10.8484	0.0294	3.5734	0.0181	3.5915	0.9478	0.0166	0.9645	2,986.685 1	2,986.685 1	0.1034	0.0942		3,017.327 5
Total	1.4664	6.6443	12.5513	0.0512	4.2782	0.0694	4.3475	1.1508	0.0657	1.2165	5,292.010 1	5,292.010 1	0.1131	0.4430	0.4430	5,426.855 5

Parcel 1 - Proposed Project - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322	

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	0.1902	5.7072	1.7029	0.0218	0.7047	0.0513	0.7561	0.2029	0.0491	0.2520		2,305.3249	2,305.3249	9.7000e-003	0.3489	2,409.5280	
Worker	1.2762	0.9371	10.8484	0.0294	3.5734	0.0181	3.5915	0.9478	0.0166	0.9645		2,986.6851	2,986.6851	0.1034	0.0942	3,017.3275	
Total	1.4664	6.6443	12.5513	0.0512	4.2782	0.0694	4.3475	1.1508	0.0657	1.2165		5,292.0101	5,292.0101	0.1131	0.4430	5,426.8555	

Parcel 1 - Proposed Project - 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	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	0.1150	4.9146	1.5530	0.0211	0.7047	0.0290	0.7337	0.2029	0.0277	0.2306		2,229.180	2,229.180	6.1200e-003	0.3372	2,329.812	
Worker	1.1877	0.8319	10.1071	0.0284	3.5734	0.0171	3.5906	0.9478	0.0158	0.9636		2,909.430	2,909.430	0.0940	0.0875	2,937.867	
Total	1.3027	5.7464	11.6601	0.0495	4.2781	0.0461	4.3242	1.1507	0.0435	1.1942		5,138.611	5,138.611	0.1001	0.4247	5,267.679	
												4	4			8	

Parcel 1 - Proposed Project - 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	0.1150	4.9146	1.5530	0.0211	0.7047	0.0290	0.7337	0.2029	0.0277	0.2306		2,229.180 6	2,229.180 6	6.1200e-003	0.3372	2,329.812 8	
Worker	1.1877	0.8319	10.1071	0.0284	3.5734	0.0171	3.5906	0.9478	0.0158	0.9636		2,909.430 7	2,909.430 7	0.0940	0.0875	2,937.867 0	
Total	1.3027	5.7464	11.6601	0.0495	4.2781	0.0461	4.3242	1.1507	0.0435	1.1942		5,138.611 4	5,138.611 4	0.1001	0.4247	5,267.679 8	

Parcel 1 - Proposed Project - 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 - 2022****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	16.4559						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	16.6605	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

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	0.2553	0.1874	2.1697	5.8700e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			597.3370	597.3370	0.0207	0.0188	603.4655
Total	0.2553	0.1874	2.1697	5.8700e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			597.3370	597.3370	0.0207	0.0188	603.4655

Parcel 1 - Proposed Project - 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 - 2022****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e	
Category	lb/day										lb/day						
Archit. Coating	16.4559						0.0000	0.0000		0.0000			0.0000			0.0000	
Off-Road	0.2045	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	16.6605	1.4085	1.8136	2.9700e-003			0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

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	0.2553	0.1874	2.1697	5.8700e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			597.3370	597.3370	0.0207	0.0188	603.4655
Total	0.2553	0.1874	2.1697	5.8700e-003	0.7147	3.6100e-003	0.7183	0.1896	3.3300e-003	0.1929			597.3370	597.3370	0.0207	0.0188	603.4655

Parcel 1 - Proposed Project - 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	16.4559						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	16.6476	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	0.2376	0.1664	2.0214	5.6900e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			581.8862	581.8862	0.0188	0.0175	587.5734
Total	0.2376	0.1664	2.0214	5.6900e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			581.8862	581.8862	0.0188	0.0175	587.5734

Parcel 1 - Proposed Project - 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	16.4559						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	16.6476	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	0.2376	0.1664	2.0214	5.6900e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			581.8862	581.8862	0.0188	0.0175	587.5734
Total	0.2376	0.1664	2.0214	5.6900e-003	0.7147	3.4300e-003	0.7181	0.1896	3.1600e-003	0.1927			581.8862	581.8862	0.0188	0.0175	587.5734

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 Demolition - 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					3.4009	0.0000	3.4009	0.5149	0.0000	0.5149			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.781 2	3,746.781 2	1.0524		3,773.092 0
Total	2.6392	25.7194	20.5941	0.0388	3.4009	1.2427	4.6436	0.5149	1.1553	1.6702		3,746.781 2	3,746.781 2	1.0524		3,773.092 0

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	0.0598	2.5413	0.5154	9.9200e-003	0.2749	0.0233	0.2982	0.0754	0.0223	0.0977		1,050.496 3	1,050.496 3	2.7800e-003	0.1651	1,099.763 8
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	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458
Total	0.1038	2.5736	0.8895	0.0109	0.3981	0.0239	0.4220	0.1081	0.0229	0.1309		1,153.485 4	1,153.485 4	6.3500e-003	0.1683	1,203.809 6

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.7 Demolition - 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					3.4009	0.0000	3.4009	0.5149	0.0000	0.5149			0.0000			0.0000	
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.7812	3,746.7812	1.0524			3,773.0920
Total	2.6392	25.7194	20.5941	0.0388	3.4009	1.2427	4.6436	0.5149	1.1553	1.6702	0.0000	3,746.7812	3,746.7812	1.0524			3,773.0920

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	0.0598	2.5413	0.5154	9.9200e-003	0.2749	0.0233	0.2982	0.0754	0.0223	0.0977		1,050.4963	1,050.4963	2.7800e-003	0.1651	1,099.7638	
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	0.0323	0.3741	1.0100e-003	0.1232	6.2000e-004	0.1238	0.0327	5.7000e-004	0.0333		102.9891	102.9891	3.5700e-003	3.2500e-003	104.0458	
Total	0.1038	2.5736	0.8895	0.0109	0.3981	0.0239	0.4220	0.1081	0.0229	0.1309		1,153.4854	1,153.4854	6.3500e-003	0.1683	1,203.8096	

Parcel 1 - Proposed Project - 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**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	7.2476	11.3156	72.9626	0.1342	14.1536	0.1224	14.2760	3.7778	0.1149	3.8927	13,875.85 16	13,875.85 16	0.9698	0.7851	14,134.04 39		
Unmitigated	7.2476	11.3156	72.9626	0.1342	14.1536	0.1224	14.2760	3.7778	0.1149	3.8927	13,875.85 16	13,875.85 16	0.9698	0.7851	14,134.04 39		

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	2,040.00	1,841.25	1533.75	5,555,167	5,555,167	5,555,167	5,555,167
Health Club	493.95	313.05	400.95	785,780	785,780	785,780	785,780
Parking Lot	0.00	0.00	0.00				
Total	2,533.95	2,154.30	1,934.70	6,340,946	6,340,946	6,340,946	6,340,946

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
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Parcel 1 - Proposed Project - Placer County APCD Air District, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Health Club	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450
Parking Lot	0.466187	0.061512	0.210180	0.153350	0.034639	0.008391	0.014417	0.011935	0.000556	0.000412	0.031993	0.000977	0.005450

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	0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.3445	1,227.3445	0.0235	0.0225	1,234.6380	
NaturalGas Unmitigated	0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.3445	1,227.3445	0.0235	0.0225	1,234.6380	

Parcel 1 - Proposed Project - 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	9674.21	0.1043	0.8915	0.3794	5.6900e-003		0.0721	0.0721		0.0721	0.0721	1,138.1422	1,138.1422	0.0218	0.0209	1,144.9056	
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		0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.3445	1,227.3445	0.0235	0.0225	1,234.6380	

Parcel 1 - Proposed Project - 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	9.67421	0.1043	0.8915	0.3794	5.6900e-003		0.0721	0.0721		0.0721	0.0721	1,138.142	1,138.142	0.0218	0.0209	1,144.905	6
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	0.0000
Total		0.1125	0.9659	0.4418	6.1400e-003		0.0777	0.0777		0.0777	0.0777	1,227.344	1,227.344	0.0235	0.0225	1,234.638	0

6.0 Area Detail**6.1 Mitigation Measures Area**

No Hearths Installed

Parcel 1 - Proposed Project - 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	10.7709	0.3572	31.0225	1.6400e-003		0.1718	0.1718		0.1718	0.1718	0.0000	55.9166	55.9166	0.0540	0.0000	57.2665
Unmitigated	584.6690	11.5648	739.4374	1.2851		99.4983	99.4983		99.4983	99.4983	10,414.39 90	4,423.563 6	14,837.96 26	9.6648	0.8192	15,323.69 46

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	1.3525					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Consumer Products	8.4795					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000	
Hearth	573.8981	11.2076	708.4149	1.2835		99.3265	99.3265		99.3265	99.3265	10,414.39 90	4,367.647 1	14,782.04 61	9.6108	0.8192	15,266.42 81	
Landscaping	0.9389	0.3572	31.0225	1.6400e-003		0.1718	0.1718		0.1718	0.1718			55.9166	55.9166	0.0540		57.2665
Total	584.6690	11.5648	739.4374	1.2851		99.4983	99.4983		99.4983	99.4983	10,414.39 90	4,423.563 6	14,837.96 26	9.6648	0.8192	15,323.69 46	

Parcel 1 - Proposed Project - 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	1.3525						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Consumer Products	8.4795						0.0000	0.0000		0.0000	0.0000		0.0000			0.0000	
Hearth	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
Landscaping	0.9389	0.3572	31.0225	1.6400e-003			0.1718	0.1718		0.1718	0.1718		55.9166	55.9166	0.0540		57.2665
Total	10.7709	0.3572	31.0225	1.6400e-003			0.1718	0.1718		0.1718	0.1718		55.9166	55.9166	0.0540	0.0000	57.2665

7.0 Water Detail**7.1 Mitigation Measures Water**

Apply Water Conservation Strategy

Parcel 1 - Proposed Project - 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
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10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation
