



DEPARTMENT OF PLANNING, BUILDING AND CODE ENFORCEMENT

Purpose of the Compliance Checklist

In 2020, the City adopted a Greenhouse Gas Reduction Strategy (GHGRS) that outlines the actions the City will undertake to achieve its proportional share of State greenhouse gas (GHG) emission reductions for the interim target year 2030. The purpose of the Greenhouse Gas Reduction Strategy Compliance Checklist (Checklist) is to:

- Implement GHG reduction strategies from the 2030 GHGRS to new development projects.
- Provide a streamlined review process for proposed new development projects that are subject to discretionary review and trigger environmental review pursuant to the California Environmental Quality Act (CEQA).

The 2030 GHGRS presents the City's comprehensive path to reduce GHG emissions to achieve the 2030 reduction target, based on SB 32, BAAQMD, and OPR. Additionally, the 2030 GHGRS leverages other important City plans and policies; including the General Plan, Climate Smart San José, and the City Municipal Code in identifying reductions strategies that achieve the City's target. CEQA Guidelines Section 15183.5 allows for public agencies to analyze and mitigate GHG emissions as part of a larger plan for the reduction of greenhouse gases. Accordingly, the City of San José's 2030 GHGRS represents San José's qualified climate action plan in compliance with CEQA.

As described in the 2030 GHGRS, these GHG reductions will occur through a combination of City initiatives in various plans and policies and will provide reductions from both existing and new developments. This Compliance Checklist specifically applies to proposed discretionary projects that require environmental review pursuant to CEQA. Therefore, the Checklist is a critical implementation tool in the City's overall strategy to reduce GHG emissions. Implementation of applicable reduction actions in new development projects will help the City achieve incremental reductions toward its target. Per the 2030 GHGRS, the City will monitor strategy implementation and make updates, as necessary, to maintain an appropriate trajectory to the 2030 GHG target.

Pursuant to CEQA Guidelines Sections 15064(h)(3), 15130(d), and 15183(b), a project's incremental contribution to a cumulative GHG emissions effect may be determined not to be cumulatively considerable if it complies with the requirements of the GHGRS.

Instructions for Compliance Checklist

Applicants shall complete the following sections to demonstrate conformance with the City of San José 2030 Greenhouse Gas Reduction Strategy for the proposed project. All projects must complete Section A. General Plan Policy Conformance and Section B. Greenhouse Gas Reduction Strategies. Projects that propose alternative GHG mitigation measures must also complete Section C. Alternative Project Measures and Additional GHG Reductions.

A. General Plan Policy Compliance

Projects need to demonstrate consistency with the Envision San José 2040 General Plan's relevant policies for Land Use & Design, Transportation, Green Building, and Water Conservation, enumerated in Table A. All applicants shall complete the following steps.

1. Complete Table A, Item #1 to demonstrate the project's consistency with the General Plan Land Use and Circulation Diagram.
2. Complete Table A, Items #2 through #4 to demonstrate the project's consistency with General Plan policies¹ related to green building; pedestrian, bicycle & transit site design; and water conservation and urban forestry, as applicable. For each policy listed, mark the relevant yes/no check boxes to indicate project consistency, and provide a qualitative description of how the policy is implemented in the proposed project or why the policy is not applicable to the proposed project. Qualitative descriptions can be included in Table A or provided as separate attachments. This explanation will provide the basis for analysis in the CEQA document.

B. Greenhouse Gas Reduction Strategies

Table B identifies the GHGRS strategies and recommended consistency options. Projects need to demonstrate consistency with the GHGRS reduction strategies listed in Table B or document why the strategies are not applicable or are infeasible. The corresponding GHGRS strategies are indicated in the table to provide additional context, with the full text of the strategies preceding Table B.

Residential projects must complete Table B, Part 1 and 2; Non-residential projects must complete Table B, Part 2 only. All applicants shall complete the following steps for Table B.

1. Review the project consistency options described in the column titled 'GHGRS Strategy and Consistency Options'.
2. Use the check boxes in the column titled "Project Conformance" to indicate if the strategy is 'Proposed', 'Not Applicable', 'Not Feasible', or if there is an 'Alternative Measure Proposed'.

¹ The lists in items # 2-4 do not represent all General Plan policies but allow projects to demonstrate consistency and achievement of policies that are related to quantified reduction estimates in the 2030 GHGRS.

3. Provide a qualitative analysis of the proposed project's compliance with the GHGRS strategies in the column titled "Description of Project Measure". This will be the basis for CEQA analysis to demonstrate compliance with the 2030 GHGRS and by extension, with SB 32. The qualitative analysis should provide:
 - a. A description of which consistency options are included as part of the proposed project, or
 - b. A description of why the strategy is not applicable to the proposed project, or
 - c. A description of why the consistency options are infeasible. If applicants select 'Not Feasible' or 'Alternative Measure Proposed', they must complete Table C to document what alternative project measures will be implemented to achieve a similar level of greenhouse gas reduction and how those reduction estimates were calculated.

C. Alternative Project Measures and Additional GHG Reductions

Projects that propose alternative GHG mitigation measures to those identified in Table B or propose to include additional GHG mitigation measures beyond those described in Tables A and B, shall provide a summary explanation of the proposed measures and demonstrate efficiency or greenhouse gas reductions achievable through the proposed measures. Documentation for these alternative or additional project measures shall be documented in Table C. Any applicants who select 'Not Feasible' or 'Alternative Measure Proposed' in Table B must complete the following steps for Table C.

1. In the column titled "Description of Proposed Measure" provide a qualitative description of what measure will be implemented, why it is proposed, and how it will reduce GHG emissions.
2. In the column titled "Description of GHG Reduction Estimate" demonstrate how the alternative project measure would achieve the same or greater level of greenhouse gas reductions as the GHGRS strategy it replaces. Documentation or calculation files can be attached separately.
3. In the column titled "Proposed Measure Implementation" identify how the measure will be implemented: incorporated as part of the project design or as an additional measure that is not part of the project (e.g., purchase of carbon offsets).

Compliance Checklist

Evaluation of Project Conformance with the 2030 Greenhouse Gas Reduction Strategy

Table A: General Plan Consistency

Development Type: ☒ Commercial ☐ Residential ☐ Office ☐ Other: Specify

1) Consistency with the Land Use/Transportation Diagram (Land Use and Density)	Yes	No
<i>Is the proposed Project consistent with the Land Use/Transportation Diagram?</i>	☒	☐
<i>If not, and the proposed project includes a General Plan Amendment, does the proposed amendment decrease GHG emissions (in absolute terms or per capita, per employee, per service population) below the level assumed in the GHGRS based on the existing planned land use? (The project could have a higher density, mix of uses, or other features that would reduce GHG emissions compared to the planned land use).²</i>	☐	☐
<i>If not, would the proposed project and the General Plan Amendment increase GHG emissions (in absolute terms or per capita, per employee, per service population)? Project is not consistent with GHGRS and further modeling will be required to determine if additional mitigation measures are necessary.</i>	☐	☐
Response documentation: <i>Per the General Plan Land Use/Transportation Diagram, the project site is designated Neighborhood/Community Commercial. The Neighborhood/Community Commercial designation allows for development of commercial uses that serve the communities in neighboring areas with a floor area ratio (FAR) up to 3.5. The project site is zoned CN (Commercial Neighborhood).</i>		

² For example, a General Plan Amendment to change use from single-family residential to multi-family residential or a General Plan Amendment to change the use from regional-serving commercial to mixed-use urban in a transit-served area might reduce travel demand, and therefore GHG emissions from mobile sources.

2) Implementation of Green Building Measures	Yes	No
MS-2.2: Encourage maximized use of on-site generation of renewable energy for all new and existing buildings.	☐	☐
Not applicable	☒	☐
The project would not include on-site generation of renewable energy.		
MS-2.3: Encourage consideration of solar orientation, including building placement, landscaping, design and construction techniques for new construction to minimize energy consumption.	☒	☐
Not applicable	☐	☐
The project would have water-efficiency landscaping and construction techniques for new construction such as efficient lighting. As such, the project would be consistent with the policy.		
MS-2.7: Encourage the installation of solar panels or other clean energy power generation sources over parking areas.	☐	☐
Not applicable	☒	☐
The project would not install any clean energy power generation on-site.		
MS-2.11: Require new development to incorporate green building practices, including those required by the Green Building Ordinance. Specifically, target reduced energy use through construction techniques (e.g., design of building envelopes and systems to maximize energy performance), through architectural design (e.g., design to maximize cross ventilation and interior daylight) and through site design techniques (e.g., orienting buildings on sites to maximize the effectiveness of passive solar design).	☒	☐
Not applicable	☐	☐
On-site stormwater would flow into proposed catch basins located on-site and be conveyed to flow-through planters and/or an on-site bio-retention structure. After treated, the stormwater would then flow to an existing 12-inch storm drain on-site. Electrical connections would connect the proposed Chick-fil-A restaurant building via an electrical line from a main distribution panel, from a main distribution panel to an electrical transformer and finally an existing overheard electrical line located on the Silver Creek Road right-of-way. The proposed project would comply with CALGreen and 2019 Title 24 energy efficiency standards, which include low flow water features.		
MS-16.2: Promote neighborhood-based distributed clean/renewable energy generation to improve local energy security and to reduce the amount of energy wasted in transmitting electricity over long distances.	☐	☐
Not applicable	☒	☐
Describe how the project is consistent or why the measure is not applicable. [Either here or as an attachment]		

3) Pedestrian, Bicycle & Transit Site Design Measures	Yes	No
CD-2.1: Promote the Circulation Goals and Policies in the Envision San José 2040 General Plan. Create streets that promote pedestrian and bicycle transportation by following applicable goals and policies in the Circulation section of the Envision San José 2040 General Plan.		
a) Design the street network for its safe shared use by pedestrians, bicyclists, and vehicles. Include elements that increase driver awareness.	☒	☐
b) Create a comfortable and safe pedestrian environment by implementing wider sidewalks, shade structures, attractive street furniture, street trees, reduced traffic speeds, pedestrian-oriented lighting, mid-block pedestrian crossings, pedestrian-activated crossing lights, bulb-outs and curb extensions at intersections, and on-street parking that buffers pedestrians from vehicles.	☒	☐
c) Consider support for reduced parking requirements, alternative parking arrangements, and Transportation Demand Management strategies to reduce area dedicated to parking and increase area dedicated to employment, housing, parks, public art, or other amenities. Encourage de-coupled parking to ensure that the value and cost of parking are considered in real estate and business transactions.	☒	☐
Not applicable	☐	☐
The project would be a safe environment for pedestrians with street trees, bicycle storage for bicyclists, and parking spaces for the customers. Additionally, the project would be close to a transit stop that would promote alternative mode of transportation. As such, the project would be consistent with the policy.		
CD-2.5: Integrate Green Building Goals and Policies of the Envision San José 2040 General Plan into site design to create healthful environments. Consider factors such as shaded parking areas, pedestrian connections, minimization of impervious surfaces, incorporation of stormwater treatment measures, appropriate building orientations, etc.		
Not applicable	☐	☐
The project would include pedestrian connections, landscaping around the building, stormwater catch basin, and appropriate building orientation. As such, the project would be consistent with the policy.		

	Yes	No
CD-2.11: Within the Downtown and Urban Village Overlay areas, consistent with the minimum density requirements of the pertaining Land Use/Transportation Diagram designation, avoid the construction of surface parking lots except as an interim use, so that long-term development of the site will result in a cohesive urban form. In these areas, whenever possible, use structured parking, rather than surface parking, to fulfill parking requirements. Encourage the incorporation of alternative uses, such as parks, above parking structures.	☒	☐
Not applicable	☐	☐
The surface parking lots proposed in the project would only be for employees and customers.		
CD-3.2: Prioritize pedestrian and bicycle connections to transit, community facilities (including schools), commercial areas, and other areas serving daily needs. Ensure that the design of new facilities can accommodate significant anticipated future increases in bicycle and pedestrian activity.	☒	☐
Not applicable	☐	☐
The project would have bicycle spaces and be close to a transit stop. As such, the project would be consistent with the policy as it promotes alternative mode of transportation.		
CD-3.4: Encourage pedestrian cross-access connections between adjacent properties and require pedestrian and bicycle connections to streets and other public spaces, with particular attention and priority given to providing convenient access to transit facilities. Provide pedestrian and vehicular connections with cross-access easements within and between new and existing developments to encourage walking and minimize interruptions by parking areas and curb cuts.	☒	☐
Not applicable	☐	☐
The project would be easily accessed by pedestrians and vehicles as it is close to a transit stop and provide bicycle storage space. Additionally, the project would be located within a walking distance of a large grocery store. As such, the project would be consistent with this policy.		
LU-3.5: Balance the need for parking to support a thriving Downtown with the need to minimize the impacts of parking upon a vibrant pedestrian and transit oriented urban environment. Provide for the needs of bicyclists and pedestrians, including adequate bicycle parking areas and design measures to promote bicyclist and pedestrian safety.	☐	☐
Not applicable	☒	☐
The project would not be located within the Downtown area.		

	Yes	No
TR-2.8: Require new development to provide on-site facilities such as bicycle storage and showers, provide connections to existing and planned facilities, dedicate land to expand existing facilities or provide new facilities such as sidewalks and/or bicycle lanes/paths, or share in the cost of improvements.	☒	☐
Not applicable	☐	☐
The project would provide on-site bicycle storage spaces. As such, the project would be consistent with this policy.		
TR-7.1: Require large employers to develop TDM programs to reduce the vehicle trips and vehicle miles generated by their employees through the use of shuttles, provision for car-sharing, bicycle sharing, carpool, parking strategies, transit incentives and other measures.	☐	☐
Not applicable	☒	☐
The project would not be categorized as large employer as it would have a maximum of 10 employees per shift.		
TR-8.5: Promote participation in car share programs to minimize the need for parking spaces in new and existing development.	☒	☐
Not applicable	☐	☐
The project would include bicycle storage for bicyclists and would be close to a transit stop.		
4) Water Conservation and Urban Forestry Measures	Yes	No
MS-3.1: Require water-efficient landscaping, which conforms to the State's Model Water Efficient Landscape Ordinance, for all new commercial, institutional, industrial and developer-installed residential development unless for recreation needs or other area functions.	☒	☐
Not applicable	☐	☐
The project would plant water-efficient landscaping on-site. As such, the project would be consistent with the policy.		

	Yes	No
MS-3.2: Promote the use of green building technology or techniques that can help reduce the depletion of the City's potable water supply, as building codes permit. For example, promote the use of captured rainwater, graywater, or recycled water as the preferred source for non-potable water needs such as irrigation and building cooling, consistent with Building Codes or other regulations.	☒	☐
Not applicable	☐	☐
The project would be in compliance with the CalGreen Code, including incorporating source reduction techniques and recycling measures and maintaining a recycling program to divert waste. As such, the project would be consistent with the policy.		
MS-19.4: Require the use of recycled water wherever feasible and cost-effective to serve existing and new development.	☐	☐
Not applicable	☒	☐
MS-21.3: Ensure that San José's Community Forest is comprised of species that have low water requirements and are well adapted to its Mediterranean climate. Select and plant diverse species to prevent monocultures that are vulnerable to pest invasions. Furthermore, consider the appropriate placement of tree species and their lifespan to ensure the perpetuation of the Community Forest.	☒	☐
Not applicable	☐	☐
The project would plant total of 42 trees, such as Carolina laurel cherry, American sweet gum, pink muhly, fountain grass, wild yew. These trees are considered to have low water requirements and well adapted to the climate. As such, the project would be consistent with the policy.		
MS-26.1: As a condition of new development, require the planting and maintenance of both street trees and trees on private property to achieve a level of tree coverage in compliance with and that implements City laws, policies or guidelines.	☒	☐
Not applicable	☐	☐
The main entry driveway, Silver Creek Road would include landscaping and a total of 42 new trees. Approximately 6,771 square feet of the project site would be landscaped. As such, the project would be consistent with the policy.		

	Yes	No
ER-8.7: Encourage stormwater reuse for beneficial uses in existing infrastructure and future development through the installation of rain barrels, cisterns, or other water storage and reuse facilities.	☒	☐
Not applicable	☐	☐
On-site stormwater would flow into proposed catch basins located on-site and be conveyed to flow-through planters and/or an on-site bio-retention structure. As such, the project would be consistent with the policy.		

GHGRS Strategies

GHGRS #1: The City will implement the San José Clean Energy program to provide residents and businesses access to cleaner energy at competitive rates.

GHGRS #2: The City will implement its building reach code ordinance (adopted September 2019) and its prohibition of natural gas infrastructure ordinance (adopted October 2019) to guide the city's new construction toward zero net carbon (ZNC) buildings.

GHGRS #3: The City will expand development of rooftop solar energy through the provision of technical assistance and supportive financial incentives to make progress toward the Climate Smart San José goal of becoming a one-gigawatt solar city.

GHGRS #4: The City will support a transition to building decarbonization through increased efficiency improvements in the existing building stock and reduced use of natural gas appliances and equipment.

GHGRS #5: As an expansion to Climate Smart San José, the City will update its Zero Waste Strategic Plan and reassess zero waste strategies. Throughout the development of the update, the City will continue to divert 90 percent of waste away from landfills through source reduction, recycling, food recovery and composting, and other strategies.

GHGRS #6: The City will continue to be a partner in the Caltrain Modernization Project to enhance local transit opportunities while simultaneously improving the city's air quality.

GHGRS #7: The City will expand its water conservation efforts to achieve and sustain long-term per capita reductions that ensure a reliable water supply with a changing climate, through regional partnerships, sustainable landscape designs, green infrastructure, and water-efficient technology and systems.

Table B: 2030 Greenhouse Gas Reduction Strategy Compliance

GHGRS Strategy and Consistency Options	Description of Project Measure	Project Conformance
PART 1: RESIDENTIAL PROJECTS ONLY		
Zero Net Carbon Residential Construction 1. Achieve/exceed the City's Reach Code, and 2. Exclude natural gas infrastructure in new construction, or 3. Install on-site renewable energy systems or participate in a community solar program to offset 100% of the project's estimated energy demand, or 4. Participate in San José Clean Energy at the Total Green level (i.e., 100% carbon-free electricity) for electricity accounts associated with the project until which time SJCE achieves 100% carbon-free electricity for all accounts. Supports Strategies: GHGRS #1, GHGRS #2, GHGRS #3	<i>The project would not be a residential project.</i>	☐ Proposed ☒ Not Applicable ☐ Not Feasible* ☐ Alternative Measure Proposed <i>* The 2030 GHGRS assumed this strategy would be feasible for 50% of residential units constructed between 2020 and 2030.</i>
PART 2: RESIDENTIAL AND NON-RESIDENTIAL PROJECTS		
Renewable Energy Development 1. Install solar panels, solar hot water, or other clean energy power generation sources on development sites, or 2. Participate in community solar programs to support development of renewable energy in the community, or 3. Participate in San José Clean Energy at the Total Green level (i.e., 100% carbon-free electricity) for electricity accounts associated with the project. Supports Strategies: GHGRS #1, GHGRS #3	<i>Electrical connections would connect the proposed Chick-fil-A restaurant building via an electrical line from a main distribution panel, from a main distribution panel to an electrical transformer and finally an existing overheard electrical line located on the Silver Creek Road right-of-way.</i>	☐ See Part 1 (Residential projects only) ☐ Proposed ☒ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed

GHGRS Strategy and Consistency Options	Description of Project Measure	Project Conformance
Building Retrofits – Natural Gas³ This strategy only applies to projects that include a retrofit of an existing building. If the proposed project does not include a retrofit, select “Not Applicable” in the Project Conformance column. 1. Replace an existing natural gas appliance with an electric alternative (e.g., space heater, water heater, clothes dryer), or 2. Replace an existing natural gas appliance with a high-efficiency model Supports Strategies: GHGRS #4	<i>The project would not include a retrofit of an existing building.</i>	☐ Proposed ☒ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed
Zero Waste Goal 1. Provide space for organic waste (e.g., food scraps, yard waste) collection containers, and/or 2. Exceed the City’s construction & demolition waste diversion requirement. Supports Strategies: GHGRS #5	<i>The project proposes balanced grading activities for both phases of construction, and truck hauling of demolition debris during Phase 1.</i>	☐ Proposed ☒ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed

³ GHGRS Strategy #4 applies to existing building retrofits and not to new construction; Strategy #2 applies to new construction to reduce natural gas related GHG emissions

GHGRS Strategy and Consistency Options	Description of Project Measure	Project Conformance
Caltrain Modernization 1. For projects located within ½ mile of a Caltrain station, establish a program through which to provide project tenants and/or residents with free or reduced Caltrain passes or 2. Develop a program that provides project tenants and/or residents with options to reduce their vehicle miles traveled (e.g., a TDM program), which could include transit passes, bike lockers and showers, or other strategies to reduce project related VMT. Supports Strategies: GHGRS #6	<i>The project would have bicycle parking spaces and located within walking-distance of a transit stop. As such, the project would be consistent with the strategy.</i>	☒ Proposed ☐ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed
Water Conservation 1. Install high-efficiency appliances/fixtures to reduce water use, and/or include water-sensitive landscape design, and/or 2. Provide access to reclaimed water for outdoor water use on the project site. Supports Strategies: GHGRS #7	<i>The project would install high-efficiency appliances/fixtures to reduce water and include water-sensitive landscape design. As such, the project would be consistent with the strategy.</i>	☒ Proposed ☐ Not Applicable ☐ Not Feasible ☐ Alternative Measure Proposed

Table C: Applicant Proposed Greenhouse Gas Reduction Measures

Description of Proposed Measure	Description of GHG Reduction Estimate	Proposed Measure Implementation
<i>[Describe the proposed project measure and why it is proposed]</i> Supports Strategies/Sectors: GHGRS #	<i>[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions.</i> <i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i>	☐ Part of Design ☐ Additional Measure
<i>[Describe the proposed project measure and why it is proposed]</i> Supports Strategies/Sectors: GHGRS #	<i>[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions.</i> <i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i>	☐ Part of Design ☐ Additional Measure
<i>[Describe the proposed project measure and why it is proposed]</i> Supports Strategies/Sectors: GHGRS #	<i>[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions.</i> <i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i>	☐ Part of Design ☐ Additional Measure
<i>[Describe the proposed project measure and why it is proposed]</i> Supports Strategies/Sectors: GHGRS #	<i>[Demonstrate the effectiveness of the proposed measure to reduce the project's GHG emissions.</i> <i>Include a description of how your measure will reduce emissions and provide supporting quantification documentation/assumptions.]</i>	☐ Part of Design ☐ Additional Measure

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Annual

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

Chick-fil-A Silver Creek & Capitol

Bay Area AQMD Air District, Annual

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	609.00	Space	5.48	243,600.00	0
City Park	0.16	Acre	0.16	6,969.60	0
Fast Food Restaurant with Drive Thru	3.56	1000sqft	0.46	3,565.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MW hr)	807.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total site 6.1 acres; City Park = Landscaping

Construction Phase - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment -

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

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Off-road Equipment - per construction questionnaire

Trips and VMT - per construction questionnaire, hauling distance during demolition is 10 miles

Demolition - structure dimension 66'*85'*20', 10 ft^3 building volume = 1 ft^2 building floor area

Grading -

Vehicle Trips - per traffic study, daily trip gen takes credit of pass-by trips, so no pass-by trips modeled

Construction Off-road Equipment Mitigation - per construction questionnaire

Water Mitigation - per CALGreen Code

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	109.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	15.00
tblLandUse	LandUseSquareFeet	3,560.00	3,565.00
tblLandUse	LotAcreage	0.08	0.46
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblVehicleTrips	PB_TP	50.00	0.00
tblVehicleTrips	PR_TP	29.00	79.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	616.12	309.55
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	472.58	309.55
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	470.95	309.55

2.0 Emissions Summary

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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					
2023	0.2301	1.4380	1.2629	3.2200e-003	0.0815	0.0620	0.1435	0.0197	0.0573	0.0770	0.0000	288.8467	288.8467	0.0645	7.7400e-003	292.7656
Maximum	0.2301	1.4380	1.2629	3.2200e-003	0.0815	0.0620	0.1435	0.0197	0.0573	0.0770	0.0000	288.8467	288.8467	0.0645	7.7400e-003	292.7656

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					
2023	0.2301	1.4379	1.2629	3.2200e-003	0.0717	0.0620	0.1337	0.0185	0.0573	0.0758	0.0000	288.8464	288.8464	0.0645	7.7400e-003	292.7654
Maximum	0.2301	1.4379	1.2629	3.2200e-003	0.0717	0.0620	0.1337	0.0185	0.0573	0.0758	0.0000	288.8464	288.8464	0.0645	7.7400e-003	292.7654

	ROG	NOx	CO	SO2	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	12.07	0.00	6.86	6.09	0.00	1.57	0.00	0.00	0.00	0.00	0.00	0.00

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-2-2023	4-1-2023	0.2380	0.2380
3	7-2-2023	9-30-2023	0.6792	0.6792
		Highest	0.6792	0.6792

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	0.0371	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117
Energy	3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	112.7104	112.7104	3.7500e-003	1.0900e-003	113.1277
Mobile	0.4767	0.5358	4.3742	8.8100e-003	0.9153	6.6200e-003	0.9219	0.2445	6.1700e-003	0.2507	0.0000	821.2226	821.2226	0.0564	0.0407	834.7465
Waste						0.0000	0.0000		0.0000	0.0000	8.3267	0.0000	8.3267	0.4921	0.0000	20.6290
Water						0.0000	0.0000		0.0000	0.0000	0.3428	2.4759	2.8187	0.0353	8.4000e-004	3.9529
Total	0.5177	0.5720	4.4103	9.0300e-003	0.9153	9.3900e-003	0.9247	0.2445	8.9400e-003	0.2535	8.6695	936.4198	945.0893	0.5875	0.0426	972.4677

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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	0.0371	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117
Energy	3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	112.7104	112.7104	3.7500e-003	1.0900e-003	113.1277
Mobile	0.4767	0.5358	4.3742	8.8100e-003	0.9153	6.6200e-003	0.9219	0.2445	6.1700e-003	0.2507	0.0000	821.2226	821.2226	0.0564	0.0407	834.7465
Waste						0.0000	0.0000		0.0000	0.0000	4.1633	0.0000	4.1633	0.2461	0.0000	10.3145
Water						0.0000	0.0000		0.0000	0.0000	0.2743	2.0473	2.3216	0.0283	6.8000e-004	3.2291
Total	0.5177	0.5720	4.4103	9.0300e-003	0.9153	9.3900e-003	0.9247	0.2445	8.9400e-003	0.2535	4.4376	935.9913	940.4289	0.3344	0.0424	961.4294

	ROG	NOx	CO	SO2	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	48.81	0.05	0.49	43.08	0.38	1.14

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Phase 1 Demolition	Demolition	1/2/2023	1/13/2023	5	10	
2	Phase 1 Grading	Grading	2/1/2023	2/14/2023	5	10	
3	Phase 1 Paving	Paving	3/1/2023	3/14/2023	5	10	

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4	Phase 2 Demolition	Demolition	7/3/2023	7/14/2023	5	10
5	Phase 2 Grading	Grading	7/17/2023	7/28/2023	5	10
6	Phase 2 Building Construction	Building Construction	8/1/2023	12/29/2023	5	109
7	Phase 2 Paving	Paving	9/1/2023	9/21/2023	5	15
8	Phase 2 Architectural Coating	Architectural Coating	12/1/2023	12/28/2023	5	20

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 10****Acres of Paving: 5.48****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,348; Non-Residential Outdoor: 1,783; Striped Parking Area: 14,304 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 Demolition	Excavators	1	8.00	158	0.38
Phase 1 Demolition	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1 Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Phase 1 Demolition	Skid Steer Loaders	1	8.00	65	0.37
Phase 1 Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 Grading	Crawler Tractors	1	8.00	212	0.43
Phase 1 Grading	Excavators	1	8.00	158	0.38
Phase 1 Grading	Graders	1	8.00	187	0.41
Phase 1 Grading	Pavers	1	8.00	130	0.42
Phase 1 Grading	Rollers	1	8.00	80	0.38
Phase 1 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 Grading	Trenchers	1	8.00	78	0.50
Phase 1 Paving	Graders	1	8.00	187	0.41

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Phase 1 Paving	Pavers	1	8.00	130	0.42
Phase 1 Paving	Paving Equipment	0	8.00	132	0.36
Phase 1 Paving	Rollers	0	8.00	80	0.38
Phase 1 Paving	Rubber Tired Loaders	1	8.00	203	0.36
Phase 1 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 1 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 2 Demolition	Excavators	1	8.00	158	0.38
Phase 2 Demolition	Rubber Tired Loaders	1	8.00	247	0.40
Phase 2 Demolition	Skid Steer Loaders	1	8.00	65	0.37
Phase 2 Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 2 Grading	Crawler Tractors	1	8.00	212	0.43
Phase 2 Grading	Excavators	1	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Pavers	1	8.00	130	0.42
Phase 2 Grading	Rollers	1	8.00	80	0.38
Phase 2 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Grading	Trenchers	1	8.00	78	0.50
Phase 2 Building Construction	Cranes	1	8.00	231	0.29
Phase 2 Building Construction	Crawler Tractors	1	8.00	212	0.43
Phase 2 Building Construction	Pavers	1	8.00	130	0.42
Phase 2 Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Building Construction	Trenchers	1	8.00	78	0.50
Phase 2 Paving	Graders	1	8.00	187	0.41
Phase 2 Paving	Pavers	1	8.00	130	0.42
Phase 2 Paving	Rubber Tired Loaders	1	8.00	203	0.36
Phase 2 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 2 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Architectural Coating	Air Compressors	1	6.00	78	0.48

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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
Phase 1 Demolition	4	10.00	0.00	51.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	5	105.00	41.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coatings	1	21.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

3.2 Phase 1 Demolition - 2023**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.5200e-003	0.0000	5.5200e-003	8.4000e-004	0.0000	8.4000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0383	0.0491	1.0000e-004		1.6100e-003	1.6100e-003		1.5300e-003	1.5300e-003	0.0000	8.6129	8.6129	2.0500e-003	0.0000	8.6641
Total	4.2900e-003	0.0383	0.0491	1.0000e-004	5.5200e-003	1.6100e-003	7.1300e-003	8.4000e-004	1.5300e-003	2.3700e-003	0.0000	8.6129	8.6129	2.0500e-003	0.0000	8.6641

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3.2 Phase 1 Demolition - 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	4.0000e-005	1.9500e-003	5.9000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7917	0.7917	3.0000e-005	1.3000e-004	0.8297
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124
Total	1.7000e-004	2.0400e-003	1.7000e-003	1.0000e-005	6.2000e-004	1.0000e-005	6.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	1.1013	1.1013	4.0000e-005	1.4000e-004	1.1421

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					2.1500e-003	0.0000	2.1500e-003	3.3000e-004	0.0000	3.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.2900e-003	0.0383	0.0491	1.0000e-004		1.6100e-003	1.6100e-003		1.5300e-003	1.5300e-003	0.0000	8.6129	8.6129	2.0500e-003	0.0000	8.6641
Total	4.2900e-003	0.0383	0.0491	1.0000e-004	2.1500e-003	1.6100e-003	3.7600e-003	3.3000e-004	1.5300e-003	1.8600e-003	0.0000	8.6129	8.6129	2.0500e-003	0.0000	8.6641

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3.2 Phase 1 Demolition - 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	4.0000e-005	1.9500e-003	5.9000e-004	1.0000e-005	2.2000e-004	1.0000e-005	2.3000e-004	6.0000e-005	1.0000e-005	7.0000e-005	0.0000	0.7917	0.7917	3.0000e-005	1.3000e-004	0.8297
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124
Total	1.7000e-004	2.0400e-003	1.7000e-003	1.0000e-005	6.2000e-004	1.0000e-005	6.3000e-004	1.7000e-004	1.0000e-005	1.8000e-004	0.0000	1.1013	1.1013	4.0000e-005	1.4000e-004	1.1421

3.3 Phase 1 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1109	0.1021	2.0000e-004		5.1500e-003	5.1500e-003		4.7900e-003	4.7900e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946
Total	0.0110	0.1109	0.1021	2.0000e-004	5.3000e-003	5.1500e-003	0.0105	5.7000e-004	4.7900e-003	5.3600e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946

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3.3 Phase 1 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
Total	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248

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					2.0700e-003	0.0000	2.0700e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1109	0.1021	2.0000e-004		5.1500e-003	5.1500e-003		4.7900e-003	4.7900e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946
Total	0.0110	0.1109	0.1021	2.0000e-004	2.0700e-003	5.1500e-003	7.2200e-003	2.2000e-004	4.7900e-003	5.0100e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946

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3.3 Phase 1 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
Total	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248

3.4 Phase 1 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.9000e-003	0.0639	0.0497	1.4000e-004		2.4100e-003	2.4100e-003		2.2100e-003	2.2100e-003	0.0000	12.0554	12.0554	3.9000e-003	0.0000	12.1529
Paving	7.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0131	0.0639	0.0497	1.4000e-004		2.4100e-003	2.4100e-003		2.2100e-003	2.2100e-003	0.0000	12.0554	12.0554	3.9000e-003	0.0000	12.1529

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3.4 Phase 1 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.4400e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4025	0.4025	1.0000e-005	1.0000e-005	0.4061
Total	1.7000e-004	1.1000e-004	1.4400e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4025	0.4025	1.0000e-005	1.0000e-005	0.4061

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.9000e-003	0.0639	0.0497	1.4000e-004		2.4100e-003	2.4100e-003		2.2100e-003	2.2100e-003	0.0000	12.0554	12.0554	3.9000e-003	0.0000	12.1529
Paving	7.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0131	0.0639	0.0497	1.4000e-004		2.4100e-003	2.4100e-003		2.2100e-003	2.2100e-003	0.0000	12.0554	12.0554	3.9000e-003	0.0000	12.1529

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

3.4 Phase 1 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.7000e-004	1.1000e-004	1.4400e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4025	0.4025	1.0000e-005	1.0000e-005	0.4061
Total	1.7000e-004	1.1000e-004	1.4400e-003	0.0000	5.1000e-004	0.0000	5.2000e-004	1.4000e-004	0.0000	1.4000e-004	0.0000	0.4025	0.4025	1.0000e-005	1.0000e-005	0.4061

3.5 Phase 2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7700e-003	0.0429	0.0517	1.1000e-004		1.7700e-003	1.7700e-003		1.6800e-003	1.6800e-003	0.0000	9.5796	9.5796	2.3600e-003	0.0000	9.6386
Total	4.7700e-003	0.0429	0.0517	1.1000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.6800e-003	1.6800e-003	0.0000	9.5796	9.5796	2.3600e-003	0.0000	9.6386

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3.5 Phase 2 Demolition - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124
Total	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124

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					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	4.7700e-003	0.0429	0.0517	1.1000e-004		1.7700e-003	1.7700e-003		1.6800e-003	1.6800e-003	0.0000	9.5796	9.5796	2.3600e-003	0.0000	9.6386
Total	4.7700e-003	0.0429	0.0517	1.1000e-004	0.0000	1.7700e-003	1.7700e-003	0.0000	1.6800e-003	1.6800e-003	0.0000	9.5796	9.5796	2.3600e-003	0.0000	9.6386

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3.5 Phase 2 Demolition - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124
Total	1.3000e-004	9.0000e-005	1.1100e-003	0.0000	4.0000e-004	0.0000	4.0000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3097	0.3097	1.0000e-005	1.0000e-005	0.3124

3.6 Phase 2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-003	0.0000	5.3000e-003	5.7000e-004	0.0000	5.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1109	0.1021	2.0000e-004		5.1500e-003	5.1500e-003		4.7900e-003	4.7900e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946
Total	0.0110	0.1109	0.1021	2.0000e-004	5.3000e-003	5.1500e-003	0.0105	5.7000e-004	4.7900e-003	5.3600e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946

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3.6 Phase 2 Grading - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
Total	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248

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					2.0700e-003	0.0000	2.0700e-003	2.2000e-004	0.0000	2.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0110	0.1109	0.1021	2.0000e-004		5.1500e-003	5.1500e-003		4.7900e-003	4.7900e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946
Total	0.0110	0.1109	0.1021	2.0000e-004	2.0700e-003	5.1500e-003	7.2200e-003	2.2000e-004	4.7900e-003	5.0100e-003	0.0000	17.3726	17.3726	4.8800e-003	0.0000	17.4946

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3.6 Phase 2 Grading - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248
Total	2.6000e-004	1.8000e-004	2.2200e-003	1.0000e-005	7.9000e-004	0.0000	7.9000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.6193	0.6193	2.0000e-005	2.0000e-005	0.6248

3.7 Phase 2 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	0.0810	0.8498	0.6423	1.3500e-003		0.0407	0.0407		0.0374	0.0374	0.0000	118.7134	118.7134	0.0384	0.0000	119.6733
Total	0.0810	0.8498	0.6423	1.3500e-003		0.0407	0.0407		0.0374	0.0374	0.0000	118.7134	118.7134	0.0384	0.0000	119.6733

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3.7 Phase 2 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	2.3800e-003	0.0994	0.0311	4.5000e-004	0.0147	5.8000e-004	0.0152	4.2400e-003	5.6000e-004	4.8000e-003	0.0000	44.1080	44.1080	9.0000e-004	6.5200e-003	46.0749
Worker	0.0147	0.0100	0.1269	3.8000e-004	0.0452	2.3000e-004	0.0455	0.0120	2.1000e-004	0.0122	0.0000	35.4394	35.4394	1.0200e-003	9.7000e-004	35.7546
Total	0.0170	0.1094	0.1580	8.3000e-004	0.0599	8.1000e-004	0.0607	0.0163	7.7000e-004	0.0170	0.0000	79.5474	79.5474	1.9200e-003	7.4900e-003	81.8296

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	0.0810	0.8498	0.6423	1.3500e-003		0.0407	0.0407		0.0374	0.0374	0.0000	118.7133	118.7133	0.0384	0.0000	119.6731
Total	0.0810	0.8498	0.6423	1.3500e-003		0.0407	0.0407		0.0374	0.0374	0.0000	118.7133	118.7133	0.0384	0.0000	119.6731

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3.7 Phase 2 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	2.3800e-003	0.0994	0.0311	4.5000e-004	0.0147	5.8000e-004	0.0152	4.2400e-003	5.6000e-004	4.8000e-003	0.0000	44.1080	44.1080	9.0000e-004	6.5200e-003	46.0749
Worker	0.0147	0.0100	0.1269	3.8000e-004	0.0452	2.3000e-004	0.0455	0.0120	2.1000e-004	0.0122	0.0000	35.4394	35.4394	1.0200e-003	9.7000e-004	35.7546
Total	0.0170	0.1094	0.1580	8.3000e-004	0.0599	8.1000e-004	0.0607	0.0163	7.7000e-004	0.0170	0.0000	79.5474	79.5474	1.9200e-003	7.4900e-003	81.8296

3.8 Phase 2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	8.8500e-003	0.0959	0.0745	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0831	18.0831	5.8500e-003	0.0000	18.2293
Paving	7.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0160	0.0959	0.0745	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0831	18.0831	5.8500e-003	0.0000	18.2293

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3.8 Phase 2 Paving - 2023

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.7000e-004	2.1600e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6038	0.6038	2.0000e-005	2.0000e-005	0.6092
Total	2.5000e-004	1.7000e-004	2.1600e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6038	0.6038	2.0000e-005	2.0000e-005	0.6092

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	8.8500e-003	0.0959	0.0745	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0831	18.0831	5.8500e-003	0.0000	18.2293
Paving	7.1800e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0160	0.0959	0.0745	2.1000e-004		3.6100e-003	3.6100e-003		3.3200e-003	3.3200e-003	0.0000	18.0831	18.0831	5.8500e-003	0.0000	18.2293

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3.8 Phase 2 Paving - 2023

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	1.7000e-004	2.1600e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6038	0.6038	2.0000e-005	2.0000e-005	0.6092
Total	2.5000e-004	1.7000e-004	2.1600e-003	1.0000e-005	7.7000e-004	0.0000	7.7000e-004	2.0000e-004	0.0000	2.1000e-004	0.0000	0.6038	0.6038	2.0000e-005	2.0000e-005	0.6092

3.9 Phase 2 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	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.0702	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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3.9 Phase 2 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	5.4000e-004	3.7000e-004	4.6600e-003	1.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3005	1.3005	4.0000e-005	4.0000e-005	1.3121
Total	5.4000e-004	3.7000e-004	4.6600e-003	1.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3005	1.3005	4.0000e-005	4.0000e-005	1.3121

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	0.0683					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.9200e-003	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571
Total	0.0702	0.0130	0.0181	3.0000e-005		7.1000e-004	7.1000e-004		7.1000e-004	7.1000e-004	0.0000	2.5533	2.5533	1.5000e-004	0.0000	2.5571

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

3.9 Phase 2 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	5.4000e-004	3.7000e-004	4.6600e-003	1.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3005	1.3005	4.0000e-005	4.0000e-005	1.3121
Total	5.4000e-004	3.7000e-004	4.6600e-003	1.0000e-005	1.6600e-003	1.0000e-005	1.6700e-003	4.4000e-004	1.0000e-005	4.5000e-004	0.0000	1.3005	1.3005	4.0000e-005	4.0000e-005	1.3121

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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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	0.4767	0.5358	4.3742	8.8100e-003	0.9153	6.6200e-003	0.9219	0.2445	6.1700e-003	0.2507	0.0000	821.2226	821.2226	0.0564	0.0407	834.7465
Unmitigated	0.4767	0.5358	4.3742	8.8100e-003	0.9153	6.6200e-003	0.9219	0.2445	6.1700e-003	0.2507	0.0000	821.2226	821.2226	0.0564	0.0407	834.7465

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	1,102.00	1,102.00	1,102.00	2,483,390	2,483,390
Parking Lot	0.00	0.00	0.00		
Total	1,102.00	1,102.00	1,102.00	2,483,390	2,483,390

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Fast Food Restaurant with Drive Thru	9.50	7.30	7.30	2.20	78.80	19.00	79	21	0
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
City Park	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928
Fast Food Restaurant with Drive Thru	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928

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

Parking Lot	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928
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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	0.0000	73.2789	73.2789	2.9900e-003	3.6000e-004	73.4619
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	73.2789	73.2789	2.9900e-003	3.6000e-004	73.4619
Natural Gas Mitigated	3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.4315	39.4315	7.6000e-004	7.2000e-004	39.6658
Natural Gas Unmitigated	3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.4315	39.4315	7.6000e-004	7.2000e-004	39.6658

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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					
City Park	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
Fast Food Restaurant with Drive Thru	738918	3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.4315	39.4315	7.6000e-004	7.2000e-004	39.6658
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		3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.4315	39.4315	7.6000e-004	7.2000e-004	39.6658

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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					
City Park	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
Fast Food Restaurant with Drive Thru	738918	3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.4315	39.4315	7.6000e-004	7.2000e-004	39.6658
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		3.9800e-003	0.0362	0.0304	2.2000e-004		2.7500e-003	2.7500e-003		2.7500e-003	2.7500e-003	0.0000	39.4315	39.4315	7.6000e-004	7.2000e-004	39.6658

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	114686	42.0317	1.7200e-003	2.1000e-004	42.1366
Parking Lot	85260	31.2472	1.2800e-003	1.5000e-004	31.3253
Total		73.2789	3.0000e-003	3.6000e-004	73.4619

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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			
City Park	0	0.0000	0.0000	0.0000	0.0000
Fast Food Restaurant with Drive Thru	114686	42.0317	1.7200e-003	2.1000e-004	42.1366
Parking Lot	85260	31.2472	1.2800e-003	1.5000e-004	31.3253
Total		73.2789	3.0000e-003	3.6000e-004	73.4619

6.0 Area Detail**6.1 Mitigation Measures Area**

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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	0.0371	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117
Unmitigated	0.0371	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117

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	6.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2000e-004	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117
Total	0.0371	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117

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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	6.8300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0297					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	5.2000e-004	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117
Total	0.0371	5.0000e-005	5.6300e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005	0.0000	0.0110	0.0110	3.0000e-005	0.0000	0.0117

7.0 Water Detail**7.1 Mitigation Measures Water**

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	2.3216	0.0283	6.8000e-004	3.2291
Unmitigated	2.8187	0.0353	8.4000e-004	3.9529

7.2 Water by Land Use**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.190637	0.2445	1.0000e-005	0.0000	0.2452
Fast Food Restaurant with Drive Thru	1.08058 / 0.0689732	2.5742	0.0353	8.4000e-004	3.7078
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.8187	0.0353	8.4000e-004	3.9529

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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/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 0.190637	0.2445	1.0000e-005	0.0000	0.2452
Fast Food Restaurant with Drive Thru	0.864464 / 0.0689732	2.0770	0.0282	6.7000e-004	2.9840
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Total		2.3216	0.0283	6.7000e-004	3.2291

8.0 Waste Detail

8.1 Mitigation Measures Waste

Institute Recycling and Composting Services

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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	4.1633	0.2461	0.0000	10.3145
Unmitigated	8.3267	0.4921	0.0000	20.6290

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.01	2.0300e-003	1.2000e-004	0.0000	5.0300e-003
Fast Food Restaurant with Drive Thru	41.01	8.3247	0.4920	0.0000	20.6240
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		8.3267	0.4921	0.0000	20.6290

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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			
City Park	0.005	1.0100e-003	6.0000e-005	0.0000	2.5100e-003
Fast Food Restaurant with Drive Thru	20.505	4.1623	0.2460	0.0000	10.3120
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Total		4.1633	0.2461	0.0000	10.3145

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
----------------	--------	-----------	------------	-------------	-------------	-----------

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

11.0 Vegetation

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

Chick-fil-A Silver Creek & Capitol

Bay Area AQMD Air District, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	609.00	Space	5.48	243,600.00	0
City Park	0.16	Acre	0.16	6,969.60	0
Fast Food Restaurant with Drive Thru	3.56	1000sqft	0.46	3,565.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MW hr)	807.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total site 6.1 acres; City Park = Landscaping

Construction Phase - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment -

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

Off-road Equipment - per construction questionnaire

Trips and VMT - per construction questionnaire, hauling distance during demolition is 10 miles

Demolition - structure dimension 66'*85'*20', 10 ft^3 building volume = 1 ft^2 building floor area

Grading -

Vehicle Trips - per traffic study, daily trip gen takes credit of pass-by trips, so no pass-by trips modeled

Construction Off-road Equipment Mitigation - per construction questionnaire

Water Mitigation - per CALGreen Code

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	109.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	15.00
tblLandUse	LandUseSquareFeet	3,560.00	3,565.00
tblLandUse	LotAcreage	0.08	0.46
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblVehicleTrips	PB_TP	50.00	0.00
tblVehicleTrips	PR_TP	29.00	79.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	616.12	309.55
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	472.58	309.55
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	470.95	309.55

2.0 Emissions Summary

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

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					
2023	8.8943	30.3131	25.1027	0.0690	1.3127	1.2436	2.4907	0.3545	1.1445	1.4816	0.0000	6,810.4755	6,810.4755	1.6761	0.1536	6,897.7354
Maximum	8.8943	30.3131	25.1027	0.0690	1.3127	1.2436	2.4907	0.3545	1.1445	1.4816	0.0000	6,810.4755	6,810.4755	1.6761	0.1536	6,897.7354

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					
2023	8.8943	30.3131	25.1027	0.0690	1.3127	1.2436	2.4907	0.3545	1.1445	1.4816	0.0000	6,810.4755	6,810.4755	1.6761	0.1536	6,897.7354
Maximum	8.8943	30.3131	25.1027	0.0690	1.3127	1.2436	2.4907	0.3545	1.1445	1.4816	0.0000	6,810.4755	6,810.4755	1.6761	0.1536	6,897.7354

[illegible]

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Energy	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
Mobile	2.9162	2.7037	23.9519	0.0511	5.2266	0.0364	5.2630	1.3920	0.0339	1.4259		5,243.5926	5,243.5926	0.3181	0.2333	5,321.0567
Total	3.1442	2.9028	24.1811	0.0522	5.2266	0.0517	5.2783	1.3920	0.0492	1.4412		5,481.8951	5,481.8951	0.3230	0.2376	5,560.7834

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	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Energy	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
Mobile	2.9162	2.7037	23.9519	0.0511	5.2266	0.0364	5.2630	1.3920	0.0339	1.4259		5,243.5926	5,243.5926	0.3181	0.2333	5,321.0567
Total	3.1442	2.9028	24.1811	0.0522	5.2266	0.0517	5.2783	1.3920	0.0492	1.4412		5,481.8951	5,481.8951	0.3230	0.2376	5,560.7834

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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
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	Phase 1 Demolition	Demolition	1/2/2023	1/13/2023	5	10	
2	Phase 1 Grading	Grading	2/1/2023	2/14/2023	5	10	
3	Phase 1 Paving	Paving	3/1/2023	3/14/2023	5	10	
4	Phase 2 Demolition	Demolition	7/3/2023	7/14/2023	5	10	
5	Phase 2 Grading	Grading	7/17/2023	7/28/2023	5	10	
6	Phase 2 Building Construction	Building Construction	8/1/2023	12/29/2023	5	109	
7	Phase 2 Paving	Paving	9/1/2023	9/21/2023	5	15	
8	Phase 2 Architectural Coating	Architectural Coating	12/1/2023	12/28/2023	5	20	

Acres of Grading (Site Preparation Phase): 0**Acres of Grading (Grading Phase): 10****Acres of Paving: 5.48****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,348; Non-Residential Outdoor: 1,783; Striped Parking Area: 14,304 (Architectural Coating – sqft)****OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 Demolition	Excavators	1	8.00	158	0.38
Phase 1 Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

Phase 1 Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Phase 1 Demolition	Skid Steer Loaders	1	8.00	65	0.37
Phase 1 Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 Grading	Crawler Tractors	1	8.00	212	0.43
Phase 1 Grading	Excavators	1	8.00	158	0.38
Phase 1 Grading	Graders	1	8.00	187	0.41
Phase 1 Grading	Pavers	1	8.00	130	0.42
Phase 1 Grading	Rollers	1	8.00	80	0.38
Phase 1 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 Grading	Trenchers	1	8.00	78	0.50
Phase 1 Paving	Graders	1	8.00	187	0.41
Phase 1 Paving	Pavers	1	8.00	130	0.42
Phase 1 Paving	Paving Equipment	0	8.00	132	0.36
Phase 1 Paving	Rollers	0	8.00	80	0.38
Phase 1 Paving	Rubber Tired Loaders	1	8.00	203	0.36
Phase 1 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 1 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 2 Demolition	Excavators	1	8.00	158	0.38
Phase 2 Demolition	Rubber Tired Loaders	1	8.00	247	0.40
Phase 2 Demolition	Skid Steer Loaders	1	8.00	65	0.37
Phase 2 Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 2 Grading	Crawler Tractors	1	8.00	212	0.43
Phase 2 Grading	Excavators	1	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Pavers	1	8.00	130	0.42
Phase 2 Grading	Rollers	1	8.00	80	0.38
Phase 2 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

Phase 2 Grading	Trenchers	1	8.00	78	0.50
Phase 2 Building Construction	Cranes	1	8.00	231	0.29
Phase 2 Building Construction	Crawler Tractors	1	8.00	212	0.43
Phase 2 Building Construction	Pavers	1	8.00	130	0.42
Phase 2 Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Building Construction	Trenchers	1	8.00	78	0.50
Phase 2 Paving	Graders	1	8.00	187	0.41
Phase 2 Paving	Pavers	1	8.00	130	0.42
Phase 2 Paving	Rubber Tired Loaders	1	8.00	203	0.36
Phase 2 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 2 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 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
Phase 1 Demolition	4	10.00	0.00	51.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	5	105.00	41.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	21.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.2 Phase 1 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1045	0.0000	1.1045	0.1672	0.0000	0.1672			0.0000			0.0000
Off-Road	0.8580	7.6522	9.8103	0.0198		0.3222	0.3222		0.3067	0.3067		1,898.8187	1,898.8187	0.4516		1,910.1096
Total	0.8580	7.6522	9.8103	0.0198	1.1045	0.3222	1.4267	0.1672	0.3067	0.4739		1,898.8187	1,898.8187	0.4516		1,910.1096

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	8.0200e-003	0.3770	0.1162	1.6000e-003	0.0447	2.8200e-003	0.0475	0.0122	2.7000e-003	0.0149		174.3959	174.3959	5.7000e-003	0.0276	182.7724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
Total	0.0351	0.3925	0.3553	2.3100e-003	0.1268	3.2300e-003	0.1300	0.0340	3.0800e-003	0.0371		247.2803	247.2803	7.5400e-003	0.0294	256.2182

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.2 Phase 1 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4307	0.0000	0.4307	0.0652	0.0000	0.0652			0.0000			0.0000
Off-Road	0.8580	7.6522	9.8103	0.0198		0.3222	0.3222		0.3067	0.3067	0.0000	1,898.8187	1,898.8187	0.4516		1,910.1096
Total	0.8580	7.6522	9.8103	0.0198	0.4307	0.3222	0.7530	0.0652	0.3067	0.3719	0.0000	1,898.8187	1,898.8187	0.4516		1,910.1096

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	8.0200e-003	0.3770	0.1162	1.6000e-003	0.0447	2.8200e-003	0.0475	0.0122	2.7000e-003	0.0149		174.3959	174.3959	5.7000e-003	0.0276	182.7724
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
Total	0.0351	0.3925	0.3553	2.3100e-003	0.1268	3.2300e-003	0.1300	0.0340	3.0800e-003	0.0371		247.2803	247.2803	7.5400e-003	0.0294	256.2182

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.3 Phase 1 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586		3,829.999 6	3,829.999 6	1.0762		3,856.905 1
Total	2.1937	22.1722	20.4102	0.0397	1.0605	1.0308	2.0913	0.1145	0.9586	1.0731		3,829.999 6	3,829.999 6	1.0762		3,856.905 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.3 Phase 1 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4136	0.0000	0.4136	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586	0.0000	3,829.999 6	3,829.999 6	1.0762		3,856.905 1
Total	2.1937	22.1722	20.4102	0.0397	0.4136	1.0308	1.4444	0.0447	0.9586	1.0033	0.0000	3,829.999 6	3,829.999 6	1.0762		3,856.905 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.4 Phase 1 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	1.4358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.6160	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.4 Phase 1 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	1.4358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.6160	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.5 Phase 2 Demolition - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9532	8.5865	10.3417	0.0220		0.3535	0.3535		0.3355	0.3355		2,111.9417	2,111.9417	0.5206		2,124.9559
Total	0.9532	8.5865	10.3417	0.0220	0.0000	0.3535	0.3535	0.0000	0.3355	0.3355		2,111.9417	2,111.9417	0.5206		2,124.9559

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
Total	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.5 Phase 2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9532	8.5865	10.3417	0.0220		0.3535	0.3535		0.3355	0.3355	0.0000	2,111.9417	2,111.9417	0.5206		2,124.9559
Total	0.9532	8.5865	10.3417	0.0220	0.0000	0.3535	0.3535	0.0000	0.3355	0.3355	0.0000	2,111.9417	2,111.9417	0.5206		2,124.9559

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457
Total	0.0271	0.0155	0.2391	7.1000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		72.8845	72.8845	1.8400e-003	1.7300e-003	73.4457

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.6 Phase 2 Grading - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586		3,829.999 6	3,829.999 6	1.0762		3,856.905 1
Total	2.1937	22.1722	20.4102	0.0397	1.0605	1.0308	2.0913	0.1145	0.9586	1.0731		3,829.999 6	3,829.999 6	1.0762		3,856.905 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.6 Phase 2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4136	0.0000	0.4136	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586	0.0000	3,829.999 6	3,829.999 6	1.0762		3,856.905 1
Total	2.1937	22.1722	20.4102	0.0397	0.4136	1.0308	1.4444	0.0447	0.9586	1.0033	0.0000	3,829.999 6	3,829.999 6	1.0762		3,856.905 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915
Total	0.0541	0.0311	0.4781	1.4200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		145.7690	145.7690	3.6800e-003	3.4600e-003	146.8915

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.7 Phase 2 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	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870		2,401.0847	2,401.0847	0.7766		2,420.4987
Total	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870		2,401.0847	2,401.0847	0.7766		2,420.4987

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0446	1.7585	0.5616	8.3100e-003	0.2777	0.0107	0.2883	0.0799	0.0102	0.0901		891.5902	891.5902	0.0183	0.1318	931.3243
Worker	0.2840	0.1631	2.5101	7.4800e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		765.2872	765.2872	0.0193	0.0182	771.1801
Total	0.3286	1.9217	3.0716	0.0158	1.1402	0.0149	1.1552	0.3087	0.0141	0.3229		1,656.8774	1,656.8774	0.0376	0.1500	1,702.5044

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.7 Phase 2 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	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870	0.0000	2,401.0847	2,401.0847	0.7766		2,420.4987
Total	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870	0.0000	2,401.0847	2,401.0847	0.7766		2,420.4987

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0446	1.7585	0.5616	8.3100e-003	0.2777	0.0107	0.2883	0.0799	0.0102	0.0901		891.5902	891.5902	0.0183	0.1318	931.3243
Worker	0.2840	0.1631	2.5101	7.4800e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		765.2872	765.2872	0.0193	0.0182	771.1801
Total	0.3286	1.9217	3.0716	0.0158	1.1402	0.0149	1.1552	0.3087	0.0141	0.3229		1,656.8774	1,656.8774	0.0376	0.1500	1,702.5044

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Applied**3.8 Phase 2 Paving - 2023****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	0.9572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1374	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.8 Phase 2 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	0.9572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1374	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794
Total	0.0352	0.0202	0.3108	9.3000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		94.7498	94.7498	2.3900e-003	2.2500e-003	95.4794

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.9 Phase 2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	7.0233	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360
Total	0.0568	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Summer

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

3.9 Phase 2 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	7.0233	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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	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	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360
Total	0.0568	0.0326	0.5020	1.5000e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		153.0574	153.0574	3.8600e-003	3.6300e-003	154.2360

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	2.9162	2.7037	23.9519	0.0511	5.2266	0.0364	5.2630	1.3920	0.0339	1.4259		5,243.5926	5,243.5926	0.3181	0.2333	5,321.0567
Unmitigated	2.9162	2.7037	23.9519	0.0511	5.2266	0.0364	5.2630	1.3920	0.0339	1.4259		5,243.5926	5,243.5926	0.3181	0.2333	5,321.0567

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	1,102.00	1,102.00	1102.00	2,483,390	2,483,390
Parking Lot	0.00	0.00	0.00		
Total	1,102.00	1,102.00	1,102.00	2,483,390	2,483,390

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Fast Food Restaurant with Drive Thru	9.50	7.30	7.30	2.20	78.80	19.00	79	21	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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
City Park	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928
Fast Food Restaurant with Drive Thru	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928
Parking Lot	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928

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	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
NaturalGas Unmitigated	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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					
City Park	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
Fast Food Restaurant with Drive Thru	2024.43	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
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		0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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					
City Park	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
Fast Food Restaurant with Drive Thru	2.02443	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
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		0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837

6.0 Area Detail

6.1 Mitigation Measures Area

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Unmitigated	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429

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	0.0374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7900e-003	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Total	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	0.0374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7900e-003	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Total	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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

Institute Recycling and Composting Services

9.0 Operational Offroad

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

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

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

User Defined Equipment

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

11.0 Vegetation

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

Chick-fil-A Silver Creek & Capitol

Bay Area AQMD Air District, Winter

1.0 Project Characteristics**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	609.00	Space	5.48	243,600.00	0
City Park	0.16	Acre	0.16	6,969.60	0
Fast Food Restaurant with Drive Thru	3.56	1000sqft	0.46	3,565.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	64
Climate Zone	4			Operational Year	2023
Utility Company	San Jose Clean Energy				
CO2 Intensity (lb/MW hr)	807.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics -

Land Use - Total site 6.1 acres; City Park = Landscaping

Construction Phase - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment -

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Off-road Equipment - per construction questionnaire

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

Off-road Equipment - per construction questionnaire

Trips and VMT - per construction questionnaire, hauling distance during demolition is 10 miles

Demolition - structure dimension 66'*85'*20', 10 ft^3 building volume = 1 ft^2 building floor area

Grading -

Vehicle Trips - per traffic study, daily trip gen takes credit of pass-by trips, so no pass-by trips modeled

Construction Off-road Equipment Mitigation - per construction questionnaire

Water Mitigation - per CALGreen Code

Waste Mitigation - AB 341

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	230.00	109.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	15.00
tblLandUse	LandUseSquareFeet	3,560.00	3,565.00
tblLandUse	LotAcreage	0.08	0.46
tblOffRoadEquipment	HorsePower	203.00	247.00
tblOffRoadEquipment	LoadFactor	0.36	0.40
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblTripsAndVMT	HaulingTripLength	20.00	10.00
tblVehicleTrips	PB_TP	50.00	0.00
tblVehicleTrips	PR_TP	29.00	79.00
tblVehicleTrips	ST_TR	1.96	0.00
tblVehicleTrips	ST_TR	616.12	309.55
tblVehicleTrips	SU_TR	2.19	0.00
tblVehicleTrips	SU_TR	472.58	309.55
tblVehicleTrips	WD_TR	0.78	0.00
tblVehicleTrips	WD_TR	470.95	309.55

2.0 Emissions Summary

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

Unmitigated Construction

Mitigated Construction

[illegible]

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Energy	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
Mobile	2.6266	3.1188	25.6540	0.0482	5.2266	0.0364	5.2631	1.3920	0.0340	1.4260		4,950.5360	4,950.5360	0.3626	0.2564	5,036.0034
Total	2.8546	3.3179	25.8832	0.0494	5.2266	0.0517	5.2784	1.3920	0.0493	1.4413		5,188.8385	5,188.8385	0.3675	0.2608	5,275.7300

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	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Energy	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
Mobile	2.6266	3.1188	25.6540	0.0482	5.2266	0.0364	5.2631	1.3920	0.0340	1.4260		4,950.5360	4,950.5360	0.3626	0.2564	5,036.0034
Total	2.8546	3.3179	25.8832	0.0494	5.2266	0.0517	5.2784	1.3920	0.0493	1.4413		5,188.8385	5,188.8385	0.3675	0.2608	5,275.7300

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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
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	Phase 1 Demolition	Demolition	1/2/2023	1/13/2023	5	10	
2	Phase 1 Grading	Grading	2/1/2023	2/14/2023	5	10	
3	Phase 1 Paving	Paving	3/1/2023	3/14/2023	5	10	
4	Phase 2 Demolition	Demolition	7/3/2023	7/14/2023	5	10	
5	Phase 2 Grading	Grading	7/17/2023	7/28/2023	5	10	
6	Phase 2 Building Construction	Building Construction	8/1/2023	12/29/2023	5	109	
7	Phase 2 Paving	Paving	9/1/2023	9/21/2023	5	15	
8	Phase 2 Architectural Coating	Architectural Coating	12/1/2023	12/28/2023	5	20	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 5.48

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 5,348; Non-Residential Outdoor: 1,783; Striped Parking Area: 14,304
(Architectural Coating – sqft)OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Phase 1 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 Demolition	Excavators	1	8.00	158	0.38
Phase 1 Demolition	Rubber Tired Dozers	0	8.00	247	0.40

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

Phase 1 Demolition	Rubber Tired Loaders	1	8.00	203	0.36
Phase 1 Demolition	Skid Steer Loaders	1	8.00	65	0.37
Phase 1 Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 1 Grading	Crawler Tractors	1	8.00	212	0.43
Phase 1 Grading	Excavators	1	8.00	158	0.38
Phase 1 Grading	Graders	1	8.00	187	0.41
Phase 1 Grading	Pavers	1	8.00	130	0.42
Phase 1 Grading	Rollers	1	8.00	80	0.38
Phase 1 Grading	Rubber Tired Dozers	0	8.00	247	0.40
Phase 1 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 1 Grading	Trenchers	1	8.00	78	0.50
Phase 1 Paving	Graders	1	8.00	187	0.41
Phase 1 Paving	Pavers	1	8.00	130	0.42
Phase 1 Paving	Paving Equipment	0	8.00	132	0.36
Phase 1 Paving	Rollers	0	8.00	80	0.38
Phase 1 Paving	Rubber Tired Loaders	1	8.00	203	0.36
Phase 1 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 1 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 2 Demolition	Excavators	1	8.00	158	0.38
Phase 2 Demolition	Rubber Tired Loaders	1	8.00	247	0.40
Phase 2 Demolition	Skid Steer Loaders	1	8.00	65	0.37
Phase 2 Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Phase 2 Grading	Crawler Tractors	1	8.00	212	0.43
Phase 2 Grading	Excavators	1	8.00	158	0.38
Phase 2 Grading	Graders	1	8.00	187	0.41
Phase 2 Grading	Pavers	1	8.00	130	0.42
Phase 2 Grading	Rollers	1	8.00	80	0.38
Phase 2 Grading	Tractors/Loaders/Backhoes	1	8.00	97	0.37

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

Phase 2 Grading	Trenchers	1	8.00	78	0.50
Phase 2 Building Construction	Cranes	1	8.00	231	0.29
Phase 2 Building Construction	Crawler Tractors	1	8.00	212	0.43
Phase 2 Building Construction	Pavers	1	8.00	130	0.42
Phase 2 Building Construction	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 Building Construction	Trenchers	1	8.00	78	0.50
Phase 2 Paving	Graders	1	8.00	187	0.41
Phase 2 Paving	Pavers	1	8.00	130	0.42
Phase 2 Paving	Rubber Tired Loaders	1	8.00	203	0.36
Phase 2 Paving	Surfacing Equipment	1	8.00	263	0.30
Phase 2 Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Phase 2 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
Phase 1 Demolition	4	10.00	0.00	51.00	10.80	7.30	10.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 1 Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Demolition	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Grading	8	20.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Building Construction	5	105.00	41.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Paving	5	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Phase 2 Architectural Coating	1	21.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

Water Exposed Area

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.2 Phase 1 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.1045	0.0000	1.1045	0.1672	0.0000	0.1672			0.0000			0.0000
Off-Road	0.8580	7.6522	9.8103	0.0198		0.3222	0.3222		0.3067	0.3067		1,898.8187	1,898.8187	0.4516		1,910.1096
Total	0.8580	7.6522	9.8103	0.0198	1.1045	0.3222	1.4267	0.1672	0.3067	0.4739		1,898.8187	1,898.8187	0.4516		1,910.1096

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	7.3600e-003	0.3995	0.1185	1.6000e-003	0.0447	2.8300e-003	0.0475	0.0122	2.7100e-003	0.0150		174.7120	174.7120	5.6600e-003	0.0277	183.1030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
Total	0.0351	0.4186	0.3475	2.2600e-003	0.1268	3.2400e-003	0.1301	0.0340	3.0900e-003	0.0371		242.4303	242.4303	7.7500e-003	0.0297	251.4666

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.2 Phase 1 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4307	0.0000	0.4307	0.0652	0.0000	0.0652			0.0000			0.0000
Off-Road	0.8580	7.6522	9.8103	0.0198		0.3222	0.3222		0.3067	0.3067	0.0000	1,898.8187	1,898.8187	0.4516		1,910.1096
Total	0.8580	7.6522	9.8103	0.0198	0.4307	0.3222	0.7530	0.0652	0.3067	0.3719	0.0000	1,898.8187	1,898.8187	0.4516		1,910.1096

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	7.3600e-003	0.3995	0.1185	1.6000e-003	0.0447	2.8300e-003	0.0475	0.0122	2.7100e-003	0.0150		174.7120	174.7120	5.6600e-003	0.0277	183.1030
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
Total	0.0351	0.4186	0.3475	2.2600e-003	0.1268	3.2400e-003	0.1301	0.0340	3.0900e-003	0.0371		242.4303	242.4303	7.7500e-003	0.0297	251.4666

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.3 Phase 1 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586		3,829.999 6	3,829.999 6	1.0762		3,856.905 1
Total	2.1937	22.1722	20.4102	0.0397	1.0605	1.0308	2.0913	0.1145	0.9586	1.0731		3,829.999 6	3,829.999 6	1.0762		3,856.905 1

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.3 Phase 1 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4136	0.0000	0.4136	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586	0.0000	3,829.9996	3,829.9996	1.0762		3,856.9051
Total	2.1937	22.1722	20.4102	0.0397	0.4136	1.0308	1.4444	0.0447	0.9586	1.0033	0.0000	3,829.9996	3,829.9996	1.0762		3,856.9051

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.4 Phase 1 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	1.4358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.6160	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.4 Phase 1 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	1.4358					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.6160	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.5 Phase 2 Demolition - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9532	8.5865	10.3417	0.0220		0.3535	0.3535		0.3355	0.3355		2,111.9417	2,111.9417	0.5206		2,124.9559
Total	0.9532	8.5865	10.3417	0.0220	0.0000	0.3535	0.3535	0.0000	0.3355	0.3355		2,111.9417	2,111.9417	0.5206		2,124.9559

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
Total	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.5 Phase 2 Demolition - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			0.0000			0.0000
Off-Road	0.9532	8.5865	10.3417	0.0220		0.3535	0.3535		0.3355	0.3355	0.0000	2,111.9417	2,111.9417	0.5206		2,124.9559
Total	0.9532	8.5865	10.3417	0.0220	0.0000	0.3535	0.3535	0.0000	0.3355	0.3355	0.0000	2,111.9417	2,111.9417	0.5206		2,124.9559

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637
Total	0.0277	0.0192	0.2290	6.6000e-004	0.0822	4.1000e-004	0.0826	0.0218	3.8000e-004	0.0222		67.7183	67.7183	2.0900e-003	1.9900e-003	68.3637

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.6 Phase 2 Grading - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.0605	0.0000	1.0605	0.1145	0.0000	0.1145			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586		3,829.9996	3,829.9996	1.0762		3,856.9051
Total	2.1937	22.1722	20.4102	0.0397	1.0605	1.0308	2.0913	0.1145	0.9586	1.0731		3,829.9996	3,829.9996	1.0762		3,856.9051

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.6 Phase 2 Grading - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.4136	0.0000	0.4136	0.0447	0.0000	0.0447			0.0000			0.0000
Off-Road	2.1937	22.1722	20.4102	0.0397		1.0308	1.0308		0.9586	0.9586	0.0000	3,829.999 6	3,829.999 6	1.0762		3,856.905 1
Total	2.1937	22.1722	20.4102	0.0397	0.4136	1.0308	1.4444	0.0447	0.9586	1.0033	0.0000	3,829.999 6	3,829.999 6	1.0762		3,856.905 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
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273
Total	0.0555	0.0383	0.4579	1.3200e-003	0.1643	8.1000e-004	0.1651	0.0436	7.5000e-004	0.0443		135.4366	135.4366	4.1800e-003	3.9800e-003	136.7273

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.7 Phase 2 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	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870		2,401.0847	2,401.0847	0.7766		2,420.4987
Total	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870		2,401.0847	2,401.0847	0.7766		2,420.4987

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0431	1.8608	0.5808	8.3200e-003	0.2777	0.0107	0.2884	0.0799	0.0102	0.0902		892.8655	892.8655	0.0181	0.1321	932.6967
Worker	0.2913	0.2013	2.4040	6.9500e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		711.0422	711.0422	0.0219	0.0209	717.8184
Total	0.3344	2.0621	2.9848	0.0153	1.1402	0.0150	1.1552	0.3087	0.0142	0.3229		1,603.9077	1,603.9077	0.0401	0.1530	1,650.5151

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.7 Phase 2 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	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870	0.0000	2,401.0847	2,401.0847	0.7766		2,420.4987
Total	1.4856	15.5917	11.7846	0.0248		0.7468	0.7468		0.6870	0.6870	0.0000	2,401.0847	2,401.0847	0.7766		2,420.4987

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0431	1.8608	0.5808	8.3200e-003	0.2777	0.0107	0.2884	0.0799	0.0102	0.0902		892.8655	892.8655	0.0181	0.1321	932.6967
Worker	0.2913	0.2013	2.4040	6.9500e-003	0.8626	4.2800e-003	0.8668	0.2288	3.9400e-003	0.2327		711.0422	711.0422	0.0219	0.0209	717.8184
Total	0.3344	2.0621	2.9848	0.0153	1.1402	0.0150	1.1552	0.3087	0.0142	0.3229		1,603.9077	1,603.9077	0.0401	0.1530	1,650.5151

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.8 Phase 2 Paving - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	0.9572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1374	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429		2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.8 Phase 2 Paving - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.1802	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9
Paving	0.9572					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	2.1374	12.7795	9.9356	0.0275		0.4814	0.4814		0.4429	0.4429	0.0000	2,657.763 6	2,657.763 6	0.8596		2,679.252 9

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728
Total	0.0361	0.0249	0.2976	8.6000e-004	0.1068	5.3000e-004	0.1073	0.0283	4.9000e-004	0.0288		88.0338	88.0338	2.7200e-003	2.5900e-003	88.8728

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.9 Phase 2 Architectural Coating - 2023

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
Total	7.0233	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637
Total	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD Air District, Winter

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

3.9 Phase 2 Architectural Coating - 2023

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	6.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
Total	7.0233	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	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637
Total	0.0583	0.0403	0.4808	1.3900e-003	0.1725	8.6000e-004	0.1734	0.0458	7.9000e-004	0.0466		142.2084	142.2084	4.3900e-003	4.1800e-003	143.5637

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	2.6266	3.1188	25.6540	0.0482	5.2266	0.0364	5.2631	1.3920	0.0340	1.4260		4,950.5360	4,950.5360	0.3626	0.2564	5,036.0034
Unmitigated	2.6266	3.1188	25.6540	0.0482	5.2266	0.0364	5.2631	1.3920	0.0340	1.4260		4,950.5360	4,950.5360	0.3626	0.2564	5,036.0034

4.2 Trip Summary Information

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	0.00	0.00	0.00		
Fast Food Restaurant with Drive Thru	1,102.00	1,102.00	1102.00	2,483,390	2,483,390
Parking Lot	0.00	0.00	0.00		
Total	1,102.00	1,102.00	1,102.00	2,483,390	2,483,390

4.3 Trip Type Information

	Miles			Trip %			Trip Purpose %		
Land Use	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
City Park	9.50	7.30	7.30	33.00	48.00	19.00	66	28	6
Fast Food Restaurant with Drive Thru	9.50	7.30	7.30	2.20	78.80	19.00	79	21	0
Parking Lot	9.50	7.30	7.30	0.00	0.00	0.00	0	0	0

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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
City Park	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928
Fast Food Restaurant with Drive Thru	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928
Parking Lot	0.552821	0.058334	0.189005	0.121481	0.023262	0.005577	0.010166	0.007476	0.001000	0.000579	0.026545	0.000826	0.002928

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	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
NaturalGas Unmitigated	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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					
City Park	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
Fast Food Restaurant with Drive Thru	2024.43	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
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		0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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					
City Park	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
Fast Food Restaurant with Drive Thru	2.02443	0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837
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		0.0218	0.1985	0.1667	1.1900e-003		0.0151	0.0151		0.0151	0.0151		238.1684	238.1684	4.5600e-003	4.3700e-003	239.5837

6.0 Area Detail

6.1 Mitigation Measures Area

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Unmitigated	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429

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	0.0374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7900e-003	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Total	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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	0.0374					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.1629					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	5.7900e-003	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429
Total	0.2062	5.7000e-004	0.0626	0.0000		2.2000e-004	2.2000e-004		2.2000e-004	2.2000e-004		0.1341	0.1341	3.5000e-004		0.1429

7.0 Water Detail

7.1 Mitigation Measures Water

Install Low Flow Bathroom Faucet

Install Low Flow Kitchen Faucet

Install Low Flow Toilet

Install Low Flow Shower

Chick-fil-A Silver Creek & Capitol - Bay Area AQMD 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

Institute Recycling and Composting Services

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

**San Jose Chick-fil-A
Project Energy
Calculations**

Land Use	Natural Gas Use		Electricity Use	
	(kBTU/yr)	(Therms)	(kWh/yr)	(MWh/yr)
City Park	0	0	0	0
Fast Food Restaurant with Drive Thru	738,918	7,389	114,686	115
Parking Lot	0	0	85,260	85
Totals	738,918	7,389	199,946	200

1 kBTU = 0.01 therms

Energy Type	Project Annual Energy Consumption	Santa Clara County Annual Energy Consumption (2020)	Percentage Increase Countywide
Electricity (MWh)	200	16,435,722	0.0012%
Natural Gas (Therms)	7,389	418,684,416	0.0018%

Source: Refer to CalEEMod outputs for assumptions used in this analysis.

San Jose Chick-fil-A Project Energy Calculations

WORKER TRIPS						
Phase	Phase Length (# days)	# Worker Trips	Worker Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Phase 1 Demolition	10	10	10.8	1080	24.90284233	43.37
Phase 1 Grading	10	20	10.8	2160		86.74
Phase 1 Paving	10	13	10.8	1404		56.38
Phase 2 Demolition	10	10	10.8	1080		43.37
Phase 2 Grading	10	20	10.8	2160		86.74
Phase 2 Building Construction	109	105	10.8	123606		4963.53
Phase 2 Paving	15	13	10.8	2106		84.57
Phase 2 Architectural Coating	20	21	10.8	4536		182.15
						5546.84
VENDOR TRIPS						
Phase	Phase Length (# days)	# Vendor Trips	Vendor Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day)	Total Fuel Consumption
Phase 1 Demolition	10	0	7.3	0	8.343886151	0.00
Phase 1 Grading	10	0	7.3	0		0.00
Phase 1 Paving	10	0	7.3	0		0.00
Phase 2 Demolition	10	0	7.3	0		0.00
Phase 2 Grading	10	0	7.3	0		0.00
Phase 2 Building Construction	109	41	7.3	32624		3909.89
Phase 2 Paving	15	0	7.3	0		0.00
Phase 2 Architectural Coating	20	0	7.3	0		0.00
						3909.89
HAULING TRIPS						
Phase	Phase Length (# days)	# Hauling Trips	Hauling Trip Length	Total VMT	Fuel Consumption Factor (Miles/Gallon/Day) ¹	Total Fuel Consumption
Phase 1 Demolition	10	51	10	510	8.343886151	4255.38
Phase 1 Grading	10	0	20	0		0.00
Phase 1 Paving	10	0	20	0		0.00
Phase 2 Demolition	10	0	20	0		0.00
Phase 2 Grading	10	0	20	0		0.00
Phase 2 Building Construction	109	0	20	0		0.00
Phase 2 Paving	15	0	20	0		0.00
Phase 2 Architectural Coating	20	0	20	0		0.00
						4255.38
TOTAL OFF-SITE MOBILE GALLONS CONSUMED DURING CONSTRUCTION						13,712.11

San Jose Chick-fil-A Project Energy Calculations

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor	Fuel Consumption Rate (gallons per hour)	Duration (total hours/day)	# days	Total Fuel Consumption (gallons)
Phase 1 Demolition	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	10	189.22
Phase 1 Demolition	Excavators	1	8	158	0.4	2.528	8	10	202.24
Phase 1 Demolition	Rubber Tired Loaders	1	8	203	0.36	2.9232	8	10	233.86
Phase 1 Demolition	Skid Steer Loaders	1	8	65	0.37	0.962	8	10	76.96
Phase 1 Grading	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	10	189.22
Phase 1 Grading	Crawler Tractors	1	8	212	0.43	3.6464	8	10	291.71
Phase 1 Grading	Excavators	1	8	158	0.38	2.4016	8	10	192.13
Phase 1 Grading	Graders	1	8	187	0.41	3.0668	8	10	245.34
Phase 1 Grading	Pavers	1	8	130	0.42	2.184	8	10	174.72
Phase 1 Grading	Rollers	1	8	80	0.38	1.216	8	10	97.28
Phase 1 Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	10	114.85
Phase 1 Grading	Trenchers	1	8	75	0.5	1.5	8	10	120.00
Phase 1 Paving	Graders	1	8	187	0.41	3.0668	8	10	245.34
Phase 1 Paving	Pavers	1	8	130	0.38	1.976	8	10	158.08
Phase 1 Paving	Rubber Tired Loaders	1	8	203	0.36	2.9232	8	10	233.86
Phase 1 Paving	Surfacing Equipment	1	8	263	0.3	3.156	8	10	252.48
Phase 1 Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	10	114.85
Phase 2 Demolition	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	10	189.22
Phase 2 Demolition	Excavators	1	8	158	0.38	2.4016	8	10	192.13
Phase 2 Demolition	Rubber Tired Loaders	1	8	247	0.4	3.952	8	10	316.16
Phase 2 Demolition	Skid Steer Loaders	1	8	65	0.37	0.962	8	10	76.96
Phase 2 Grading	Concrete/Industrial Saws	1	8	81	0.73	2.3652	8	10	189.22
Phase 2 Grading	Crawler Tractors	1	8	212	0.43	3.6464	8	10	291.71
Phase 2 Grading	Excavators	1	8	158	0.38	2.4016	8	10	192.13
Phase 2 Grading	Graders	1	8	187	0.41	3.0668	8	10	245.34
Phase 2 Grading	Pavers	1	8	130	0.42	2.184	8	10	174.72
Phase 2 Grading	Rollers	1	8	80	0.38	1.216	8	10	97.28
Phase 2 Grading	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	10	114.85
Phase 2 Grading	Trenchers	1	8	78	0.5	1.56	8	10	124.80
Phase 2 Building Construction	Granes	1	8	231	0.29	2.6796	8	109	2336.61
Phase 2 Building Construction	Crawler Tractors	1	8	212	0.43	3.6464	8	109	3179.66
Phase 2 Building Construction	Pavers	1	8	130	0.42	2.184	8	109	1904.45
Phase 2 Building Construction	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	109	1251.84
Phase 2 Building Construction	Trenchers	1	8	78	0.5	1.56	8	109	1360.32
Phase 2 Paving	Graders	1	8	187	0.41	3.0668	8	15	368.02
Phase 2 Paving	Pavers	1	8	130	0.42	2.184	8	15	262.08
Phase 2 Paving	Rubber Tired Loaders	1	8	203	0.36	2.9232	8	15	350.78
Phase 2 Paving	Surfacing Equipment	1	8	263	0.3	3.156	8	15	378.72
Phase 2 Paving	Tractors/Loaders/Backhoes	1	8	97	0.37	1.4356	8	15	172.27
Phase 2 Architectural Coating	Air Compressors	1	6	78	0.48	1.4976	6	20	179.71
Total:									17,081
Notes: Off-Site Mobile Constructio									13,712
Fuel Consumption Rate = Horsepower x Load Factor x Fuel Consumption Factor									TOTAL: 30,793
Where:									
Fuel Consumption Factor for a diesel engine is 0.04 gallons per horsepower per hour (gal/hp/hr) and a gasoline engine is 0.06 gal/hp/hr.									
Source: Refer to CalEEMod outputs for assumptions used in this analysis.									

San Jose Chick-fil-A Project Energy Calculations

Vehicle Type	Percent of Vehicle Trips ¹	Daily Trips ²	Annual Vehicle Miles Traveled	Average Fuel Economy (miles per gallon) ³	Total Annual Fuel Consumption (gallons) ⁴
Passenger Cars	0.55	606	1,365,865	22	62,085
Light/Medium Trucks	0.41	452	1,018,190	17.3	58,855
Heavy Trucks/Other	0.40	441	993,356	6.4	155,212
TOTAL⁶	1.36	1,102	2,483,390	--	276,152
Notes: 1. Percent of Vehicle Trip distribution based on trip characteristics within the CalEEMod model. 2. Daily Trips taken from ITE manual. 3. Average fuel economy derived from the Department of Transportation. 4. Total Daily Fuel Consumption calculated by dividing the daily VMT by the average fuel economy (i.e., VMT/Average Fuel Economy). 5. Values may be slightly off due to rounding.					
Source: Refer to CalEEMod outputs for assumptions used in this analysis.					

County On-Road
2023
607,290,917
0.0455%