



## CITY OF GLENDALE, CALIFORNIA

Community Development  
Planning

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glendaleca.gov

December 14, 2022

Sipan Nazaryan  
705 Balboa Avenue  
Glendale, CA 91206

**RE: 1501 South Brand Boulevard  
ADMINISTRATIVE DESIGN REVIEW APPLICATION NO. PDR2207709**

Mr. Nazaryan:

On December 14, 2022, the Director of Community Development, pursuant to the provisions of the Glendale Municipal Code, Title 30, Chapter 30.47, **APPROVED WITH CONDITIONS** your design review application to demolish a 14,980 square foot (SF) office building (built in 1940 and expanded in 1993) and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF corner lot in the CA (Commercial Auto) Zone.

### **CONDITIONS OF APPROVAL:**

1. Prior to issuance of a building permit, an acoustic analysis of the project shall be presented demonstrating the project, including both the car wash and vacuum stations, comply with GMC 8.36.
2. Ensure all windows shapes and sizes comply with the Design Review-approved elevation plans.
3. Utilize permeable paving where possible, for example as accent banding in conjunction with the stamped concrete.
4. Update planting plan to show location of street trees and coordinate site tree locations with street tree locations.

### **SUMMARY OF THE DIRECTOR OF COMMUNITY DEVELOPMENT'S DECISION**

**Site Planning** – The proposed site planning is appropriate to the site and its surroundings for the following reasons:

- The building is located along Brand Boulevard with a 10-foot setback, near the corner of the site, with the parking area located behind it. Driveway access to the project site is taken off the side street (Laurel Street) and the queuing for the car wash wraps around the perimeter of the site, with the parking for the building and the vacuums located in the center.
- Decorative paving (stamped concrete) is provided at the driveway entrance and along the driveway, and at the pedestrian access to the public sidewalk. The curb cut is located on the less prominent street (Laurel Street).
- The site is well-landscaped with a variety of low-water use plants and trees, with large planting areas (10' minimum) along the street-facing property lines and

smaller planting areas (4' wide) located within the interior of the site. The planting plan should be coordinated with existing street trees to ensure compatibility with tree location and canopy coverage.

- The trash collection area is located at the rear corner of the lot adjacent to the alley.

**Mass and Scale** – The proposed massing and scale are appropriate to the site and its surroundings for the following reasons:

- The proposed one-story building height is 24'-7," which is compatible with other one-story and multi-story buildings in the immediate vicinity, including neighboring auto dealerships and car rental sites.
- The massing of the long building façade running along Brand Boulevard is broken up by repeated stepping in of three feet both along the wall surface and in the building height, resulting in the slanted building forms being nested within each other. These forms are accented by similarly slanted windows on the street front façade in different sizes that relate well to each other and the building shape. Various colors and contemporary materials are used to also help break up the wall surfaces and volume of the elongated building.
- The stepping and material variation carries over to the side façades, yet with different materials, colors, windows, and roof shape that still integrate well with the street-facing façade along Brand Boulevard.

**Design and Detailing** – The proposed design and detailing are appropriate to the site and its surroundings for the following reasons:

- The primary building uses a variety of shapes, forms, variation, and high quality materials that result in a unique architectural style that is compatible with the automobile uses of the surrounding neighborhood. Materials include a variety of metals in different colors and patterns, aluminum windows, colored metal panel siding and fascias, perforated stainless steel metal mesh, and metallic silver standing seam metal roof.
- The architectural style remains strong on all facades and carries over to accessory buildings on site (kiosk and trash enclosure). The change in material from the front to side facades accentuates the building design.
- The building uses a variety of dark blue and green colors that complement each other well and are fitting with the design that recalls a nautical theme.
- Lighting fixtures are appropriate to the design and direct light downward.
- Decorative paving (stamped concrete) is utilized, however, permeable paving has not been utilized.

This approval is for the project design only. Administrative Design Review approval of a project does not constitute compliance with the Zoning Code and/or Building Code requirements. Please refer to the end of this letter for information regarding plan check submittal. If there are any questions, please contact the case planner, Cassandra Pruett, at [cpruett@glendaleca.gov](mailto:cpruett@glendaleca.gov).

#### **RESPONSES TO COMMUNITY INPUT RECEIVED DURING COMMENT PERIOD**

Two public comment letters were received in opposition to the project. The first public comment letter opposed the noise level of the project and stated that the project is located near a hospital and has decibel levels high enough to damage a person's hearing. The second comment letter was

received by the owner of the property immediately west of the project site across the alley, on Laurel Street. The stated reasons for opposition were the negative impact to property value of having a car wash nearby, the vehicular access to the project site being taken from Laurel Street instead of Brand Boulevard, and the noise level of the project. Comments from both letters have been addressed by additional information provided in the attached CEQA Exemption Determination (Attachment A).

#### **APPEAL PERIOD (effective date), TIME LIMIT, LAPSE OF PRIVILEGES, TIME EXTENSION**

The applicant's attention is called to the fact that this grant is not a permit or license and that any permits and licenses required by law must be obtained from the proper City and public agency.

Under the provisions of the Glendale Municipal Code, Title 30, Chapter 30.62, any person affected by the above decision has the right to appeal said decision to the Design Review Board if it is believed that the decision is in error or that procedural errors have occurred, or if there is substantial new evidence which could not have been reasonably presented. It is strongly advised that appeals be filed early during the appeal period and in person so that imperfections/incompleteness may be corrected before the appeal period expires. Any appeal must be filed on the prescribed forms within fifteen (15) days following the actual date of the decision. Information regarding appeals and appeal forms will be provided by the Community Development Department (CDD) upon request and must be filed with the prescribed fee prior to expiration of the 15-day period, on or before **December 29, 2022 by email to the case planner, Cassandra Pruett, [cpruett@glendaleca.gov](mailto:cpruett@glendaleca.gov)**.

**APPEAL FORM available on-line:** <https://www.glendaleca.gov/home/showdocument?id=11926>

#### **TRANSFERABILITY**

This authorization runs with the land or the use for which it was intended for and approved. In the event the property is to be leased, rented or occupied by any person or corporation other than yourself, it is incumbent that you advise them regarding the conditions and/or limitations of this grant.

**EXTENSION:** An extension of the design review approval may be requested one time and extended for up to a maximum of one (1) additional year upon receipt of a written request from the applicant and demonstration that a reasonable effort to act on such right and privilege has commenced within the two (2) years of the approval date. In granting such extension the applicable review authority shall make a written finding that neighborhood conditions have not substantially changed since the granting of the design review approval.

#### **NOTICE – Subsequent contacts with this office**

The applicant is further advised that all subsequent contact with this office regarding this determination must be with the case planner, **Cassandra Pruett**, who acted on this case. This would include clarification and verification of condition compliance and plans or building permit applications, etc., and shall be accomplished **by appointment only**, in order to assure that you receive service with a minimum amount of waiting. You should advise any consultant representing you of this requirement as well.

If an appeal is not filed within the 15-day appeal period of the decision, plans may be submitted for Building and Safety Division plan check. **Prior** to Building and Safety Division plan check submittal, approved plans must be stamped approved by Planning Division staff. **Any** changes to the approved plans will require resubmittal of revised plans for approval. **Prior** to Building and Safety

Division plan check submittal, **all** changes to approved plans must be on file with the Planning Division.

An appointment must be made with the case planner, Cassandra Pruett, for DRB stamp and signature prior to submitting for Building plan check. Please contact Cassandra Pruett via email at [cpruett@glendaleca.gov](mailto:cpruett@glendaleca.gov).

Sincerely,

BRADLEY CALVERT  
Director of Community Development



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Urban Design Studio Staff

BC:JP:CP

Attachment A – CEQA Exemption Determination

**CEQA Exemption Determination  
1501 South Brand Boulevard  
Administrative Design Review Case Number PDR2207709**

**15300.2. EXCEPTIONS**

- (c) *Significant Effect. A categorical exemption shall not be used for an activity where there is a reasonable possibility that the activity will have a significant effect on the environment due to unusual circumstances.*

There are no unusual circumstances associated with the project. The site has been used for varying land uses since 1921 including office, and library/fire station. The site is not identified as a cleanup site or as having hazardous waste/substances. The site is in the CA commercial auto zone, which is intended to provide for a district that promotes the maintenance and expansion of vehicle dealers while still providing for alternate complementary commercial uses in conformance with the goals of the comprehensive general plan.

**15332. IN-FILL DEVELOPMENT PROJECTS**

Class 32 consists of projects characterized as in-fill development meeting the conditions described in this section.

- (a) *The project is consistent with the applicable general plan designation and all applicable general plan policies as well as with applicable zoning designation and regulations.*

The project is consistent with the General Plan designation (Community Services) and zoning designation (Commercial Auto), which is described as being intended to promote the maintenance and expansion of vehicle dealers while still providing for alternate complementary commercial uses. In this zone, car washes are permitted by-right (with no additional discretionary approval required), subject to compliance with GMC Section 30.34.030 (Standards for Specific Uses – Car washes, full and self service). The project complies with all of the standards in GMC 30.34.030 and therefore is an allowed use. It also complies with other provisions of the GMC Title 30 (Zoning Code).

- (b) *The proposed development occurs within city limits on a project site of no more than five acres substantially surrounded by urban uses.*

The project site is located within City of Glendale limits and is 29,952 SF (0.69 acres) in size, which is far less than five acres. The site is located in the City's downtown area along a major thoroughfare (Brand Boulevard). The site is surrounded by commercial development.

- (c) *The project site has no value as habitat for endangered, rare or threatened species.*

The site has been developed since 1921, is almost fully paved, and has no natural vegetation. The area surrounding the site has been developed, paved, or landscaped, which typically supports non-native plant species. Suitable habitat for sensitive mammal, reptile, amphibian, or fish species does not exist on the subject site or adjacent areas, and there are no wildlife migration corridors. No riparian habitat, blue-line streams, or sensitive natural communities are located on the subject site or adjacent areas. No indigenous trees are located on site; in fact, no trees other than small shrubs are located on the site.

- (d) *Approval of the project would not result in any significant effects relating to traffic, noise, air quality, or water quality.*

### Traffic

Parking for the project is provided on site in the surface parking lot and complies with code standards.

A Trip Generation Calculation Report was prepared, and demonstrated the project results in a net total of 3 AM peak hour vehicle trips and 27 PM peak hour vehicle trips. Therefore, per City's Transportation Impact Analysis Guidelines, the Project's estimated trip generation does not meet or exceed the City's threshold (50 net-new peak hour vehicle trips) for preparing a non-CEQA local transportation analysis. Therefore, no further analysis is needed.

In terms of vehicular access to the project site being taken from Laurel Street instead of Brand Boulevard, the following facts are relevant: 1) The City's Commercial Comprehensive Design Guidelines call for a) Locating vehicular access from an alley, b) When an alley is not available, locating vehicular access from the street that is less pedestrian-oriented, and c) Locating driveways away from street intersections and minimizing conflict with traffic on public streets. Therefore, locating the driveway on Laurel Street as opposed to Brand Boulevard better complies with the Design Guidelines and allows more space for on-site queuing which reduces impacts to street traffic; 2) The City's Public Works Traffic Engineering Section reviewed the proposed on-site access/circulation from Laurel Street and had no comments or recommendations for any modifications. The proposed driveway on Laurel Street is located at the far end of the project site, away from the Brand Boulevard/Laurel Street intersection. A review of the estimated net trip generation for the proposed project was conducted per the City of Glendale Transportation Impact Analysis Guidelines. Based on the review, further study of the proposed project regarding local access and circulation was not required.

It is also relevant to note that: 1) Laurel Street beyond the project site is closed to public access. It is closed off by a gate arm and pay booth managed by the hospital complex. Therefore, the street is not open to through-traffic and is somewhat limited in use. Further, it is unlikely customers exiting the car wash will make a left turn onto Laurel, unless their destination is the hospital; 2) If the car wash driveway were located on Brand Boulevard, this would result in access to the car wash being available only by driving south on Brand and making a right turn, and exiting would only be available by making a right turn only and driving south on Brand. For exiting drivers needing to go north on Brand, they would need to drive one block south in order to make a U-turn at the next intersection. The driveway placement would therefore be less practical for the intended users.

The applicant designed the site layout to reduce traffic impacts to the public street. Provision of a double queuing lane allows more vehicles to be contained on site rather than spilling onto the public street. Per the applicant, the industry standard for express car washes is to have a minimum of 7-8 cars queuing capacity, whereas the project provides 15. See Exhibit 1 for more information.

### Noise

The project is located in a developed urban area, with adjacent commercial buildings in all directions. The project is required to comply with the Noise Control Chapter of the Glendale Municipal Code (GMC Section 8.36) and a condition of approval has been imposed on the project per GMC 8.36.140 that prior to issuance of a building permit, an acoustic analysis of the project be presented demonstrating the project will comply with GMC 8.36.

The maximum allowed exterior noise level specified in GMC 8.36 is 70 dbA in commercial zones (equivalent to 65 dbA plus 5 dbA if the actual ambient exceeds 65 dbA). The General Plan Noise Element 2005 Noise Contour map indicates that the noise level at the subject site is within the 70 CNEL and Over category. The applicant submitted a noise contour map (see Exhibit 2) demonstrating that noise generated from the car wash will not exceed the maximum noise level beyond the subject property boundary line.

Regarding noise level as it relates to nearby hospital uses, for reference, the hospital building that is located nearest the car wash is a 5-story parking garage located 240 feet to the west of the project site, with a surface level parking lot between it and the project site. The next closest hospital building (Dignity Health Glendale Memorial) is located approximately 400 feet away from the car wash entrance/exit (across Laurel street, diagonally opposite to the project site). The other hospital buildings are located further to the west, beyond the parking garage. Vehicle dealerships and parking lots are located to the north, south and east of the project site.

The City's General Plan Noise Element and Glendale Municipal Code (GMC) Section 8.36 (Noise Control) govern noise standards for the City. GMC Section 8.36.040 states that for the central business district and commercial zones, the exterior noise standard is 65 dbA at any time (or 5 dbA above the actual ambient). The applicant provided a noise contour map of the project provided by MD Acoustics LLC, an acoustical engineering company. MD Acoustics utilized SoundPLAN acoustical modeling software to model future worst-case scenario noise impacts from the project on adjacent land uses. See Exhibit 1 for further information. The noise model shows noise levels at the boundary of the project site that are well within the City's noise standard. The noise map shows levels of 50-55 dbA at the western property line which is adjacent to a 17 ½ foot wide alley, and between 45-50 dbA at the property line to the west of the alley (the eastern boundary of the parking lot that is located between the car wash and the hospital parking garage). As shown on the map, there is no noise impact at the boundary of the parking garage building, or the Dignity Health Glendale Memorial building. A condition of approval has been placed on the project that prior to issuance of a building permit, an acoustic analysis of the project shall be presented demonstrating the project, including both the car wash and vacuum stations, comply with the City's exterior noise standards (GMC 8.36 Noise Control).

The applicant also designed the project with numerous site and building features to reduce the noise impact to neighboring properties, including: 1) The car wash building is pushed to the east of the site, close to Brand Boulevard and away from neighboring properties to the west, resulting in the car wash entrance/exit being located over 120 feet away from the western property boundary; 2) The building is designed with equipment/office/restrooms extending past the entrance tunnel by thirteen feet and the tunnel exit by eight feet. This creates a buffer wall that helps block noise from traveling to adjacent properties and was provided even though that floor area could have been utilized for additional car washing tunnel space; 3) The tunnel entrance and exit sizes are minimized in order to reduce noise transfer to outside the building; 4) The interior building volume increases at the tunnel exit to allow more space for the blowers, to absorb the noise from the blowers, and to allow space for the noise dampers to hang from the ceiling at that location and absorb noise; 5) Between the car wash tunnel and the accessory building uses is located a 146-foot long by 14- to 18-foot high wall which helps to block noise transference.

### Air Quality

The California Emissions Estimator Model® (CalEEMod) was used to estimate air quality impacts during the construction and operation stages of the project. Results from the model indicate that

the proposed project would not exceed thresholds for construction, area, or operational impacts. A summary of the results is attached (see Exhibit 3).

### Water Quality

Implementation of the proposed project will require compliance with all the NPDES requirements including the submittal, review and approval of a Low Impact Development (LID) drainage system proposal. Therefore, implementation of the proposed project is not expected to violate any water quality standards or waste water discharge requirements since the project will be required to comply with applicable permitting requirements.

Further, the project is required to reclaim and recirculate 80% of the wash and rise water per GMC 30.34.030(E)(2), and the project must utilize a sand oil interceptor as governed by the plumbing permit requirements of the Building Code.

*(e) The site can be adequately served by all required utilities and public services.*

The project site is a previously developed infill parcel and can be adequately served by existing public facilities.

The Glendale Police Department (GPD) provides police services to the project site. The overall need for police protection services is not expected to increase significantly as a result of the proposed project as the project site is located in an already urbanized area.

The City of Glendale Fire Department (GFD) provides fire and paramedic services to the project site. The project will be required to comply with the Uniform Fire Code, including installation of fire sprinklers, and to submit plans to the Glendale Fire Department at the time building permits are submitted to ensure adequate fire flow protection.

### Exhibits:

- 1) Writeup from applicant
- 2) Noise map
- 3) CalEEMod calculation for project



**EXHIBIT 1****WRITE-UP FROM APPLICANT****Noise Study Qualifications**

Resume and company statement of qualifications are attached. MD Acoustics used SoundPLAN (SP) acoustical modeling software to model future worst-case stationary noise impacts on the adjacent land uses. SP is capable of evaluating multiple stationary noise source impacts at various receiver locations. SP's software utilizes algorithms (based on the inverse square law, ISO 9613 and reference equipment noise level data) to calculate noise level projections. The software allows the user to input specific noise sources, spectral content, sound barriers, building placement, topography, and sensitive receptor locations.

MD evaluated the car wash using two (2) different car wash blower systems (IDC Stealth Predator and Protovest). Each model assumes that the car wash tunnel has a 10-foot-tall by 12-foot-wide exit and entrance opening and is covered by a solid roof. The acoustical model incorporates 120 horsepower IDC Stealth Predators blowers/dryers or equivalent at the exit of the tunnel and are positioned approximately 10 feet high in the air and 5 feet inside the exit of the tunnel. The IDC Stealth Predator system is the quietest car wash blower system in the US market.







The SP model assumes a total of 25 vacuums and the dryer systems are operating simultaneously (worst-case scenario) when in actuality the noise will be intermittent and lower in noise level. The modeling assumes all other mechanical will be housed inside equipment room of the car wash building. Reference car wash equipment sound levels are attached.

**Industry Standard for Queuing Capacity**

The industry standard in express car washes is to have a minimum of 7-8 cars queuing capacity before the pay station/kiosk. The 7-8 cars would be for a car wash site up to 35,000 square feet with a 120'-0" tunnel. The two most significant factors in controlling traffic in an express car wash are the amount of cars you can queue in the pay lanes and the amount of vacuum stalls you have. We have a surplus in both. Just as in a restaurant, car washes have surge times where people come in after work, for example. It is very rare or close to impossible to have all your vacuums full for most of the day. Just as it is rare to have all the tables in a restaurant be full, throughout the day. However, if you do not have the ability to accommodate customers during surge times, this will create traffic. With a 15 car queuing capacity and 25 vacuum stalls, we will not have this problem.

07282101\_1501 Brand Blvd  
Noise Level Contours  
120HP Predator Stealth Blower System  
Standard Tunnel

## Levels in dB(A)

	< 45
	45 - 50
	50 - 55
	55 - 60
	60 - 65
	>= 65

## Signs and symbols



Level table, dBA



Buildings



Tunnel Enclosure



Point Source (Blowers & Vacuums)



Point Receivers



Wing Walls

## Length scale 1:100



1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**1501 N Brand (Carwash)  
South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	4.44	1000sqft	0.69	29,952.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2024
<b>Utility Company</b>	Glendale Water and Power				
<b>CO2 Intensity (lb/MW hr)</b>	948.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics - demolish a 14,980 SF office building and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF corner lot .

Land Use - demolish a 14,980 SF office building and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF (0.687 acre) corner lot

Construction Phase - Demo 24 days; Site Prep 23 days; Grading 7 days (minimal onsite earth movement and mostly site prep. 0 CY export of material); Building Construction 186 days; Paving 22 days; Arch coating 26 days.

Grading - Minimal grading with 0 CY import and 0 CY export. If any grading, it would be involved during site prep. Default values are used.

Demolition - demolition involves 14,980 SF office building

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	26.00
tblConstructionPhase	NumDays	100.00	186.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	2.00	7.00

1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	23.00
tblConstructionPhase	PhaseEndDate	1/18/2024	4/15/2024
tblConstructionPhase	PhaseEndDate	1/4/2024	7/1/2024
tblConstructionPhase	PhaseEndDate	8/14/2023	9/1/2023
tblConstructionPhase	PhaseEndDate	8/17/2023	10/13/2023
tblConstructionPhase	PhaseEndDate	1/11/2024	4/2/2024
tblConstructionPhase	PhaseEndDate	8/15/2023	10/4/2023
tblConstructionPhase	PhaseStartDate	1/12/2024	3/9/2024
tblConstructionPhase	PhaseStartDate	8/18/2023	10/14/2023
tblConstructionPhase	PhaseStartDate	8/16/2023	10/5/2023
tblConstructionPhase	PhaseStartDate	1/5/2024	3/2/2024
tblConstructionPhase	PhaseStartDate	8/15/2023	9/2/2023
tblGrading	AcresOfGrading	11.50	0.50
tblGrading	AcresOfGrading	5.25	1.50
tblLandUse	LandUseSquareFeet	4,438.00	29,952.00
tblLandUse	LotAcreage	0.10	0.69

**2.0 Emissions Summary**

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1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.0363	0.3634	0.3673	7.1000e-004	0.0310	0.0164	0.0473	0.0117	0.0152	0.0269	0.0000	62.7365	62.7365	0.0161	7.7000e-004	63.3672
2024	0.1896	0.4791	0.5952	1.0500e-003	0.0117	0.0221	0.0338	3.1600e-003	0.0204	0.0236	0.0000	92.3900	92.3900	0.0248	1.0100e-003	93.3124
<b>Maximum</b>	<b>0.1896</b>	<b>0.4791</b>	<b>0.5952</b>	<b>1.0500e-003</b>	<b>0.0310</b>	<b>0.0221</b>	<b>0.0473</b>	<b>0.0117</b>	<b>0.0204</b>	<b>0.0269</b>	<b>0.0000</b>	<b>92.3900</b>	<b>92.3900</b>	<b>0.0248</b>	<b>1.0100e-003</b>	<b>93.3124</b>

**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	0.0363	0.3634	0.3673	7.1000e-004	0.0310	0.0164	0.0473	0.0117	0.0152	0.0269	0.0000	62.7364	62.7364	0.0161	7.7000e-004	63.3671
2024	0.1896	0.4791	0.5952	1.0500e-003	0.0117	0.0221	0.0338	3.1600e-003	0.0204	0.0236	0.0000	92.3899	92.3899	0.0248	1.0100e-003	93.3123
<b>Maximum</b>	<b>0.1896</b>	<b>0.4791</b>	<b>0.5952</b>	<b>1.0500e-003</b>	<b>0.0310</b>	<b>0.0221</b>	<b>0.0473</b>	<b>0.0117</b>	<b>0.0204</b>	<b>0.0269</b>	<b>0.0000</b>	<b>92.3899</b>	<b>92.3899</b>	<b>0.0248</b>	<b>1.0100e-003</b>	<b>93.3123</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	8-1-2023	10-31-2023	0.2404	0.2404
2	11-1-2023	1-31-2024	0.2346	0.2346
3	2-1-2024	4-30-2024	0.4507	0.4507
4	5-1-2024	7-31-2024	0.1507	0.1507
		Highest	0.4507	0.4507

**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	0.1221	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Energy	2.9000e-003	0.0264	0.0222	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	168.7227	168.7227	5.4200e-003	1.1200e-003	169.1909
Mobile	0.0336	0.0311	0.2598	4.8000e-004	0.0493	3.8000e-004	0.0497	0.0132	3.5000e-004	0.0135	0.0000	44.1002	44.1002	3.8700e-003	2.4500e-003	44.9284
Waste						0.0000	0.0000		0.0000	0.0000	3.4427	0.0000	3.4427	0.2035	0.0000	8.5292
Water						0.0000	0.0000		0.0000	0.0000	0.1325	3.5657	3.6982	0.0137	3.4000e-004	4.1418
<b>Total</b>	<b>0.1586</b>	<b>0.0575</b>	<b>0.2821</b>	<b>6.4000e-004</b>	<b>0.0493</b>	<b>2.3800e-003</b>	<b>0.0517</b>	<b>0.0132</b>	<b>2.3500e-003</b>	<b>0.0155</b>	<b>3.5753</b>	<b>216.3886</b>	<b>219.9639</b>	<b>0.2265</b>	<b>3.9100e-003</b>	<b>226.7904</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.1221	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Energy	2.9000e-003	0.0264	0.0222	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	168.7227	168.7227	5.4200e-003	1.1200e-003	169.1909
Mobile	0.0336	0.0311	0.2598	4.8000e-004	0.0493	3.8000e-004	0.0497	0.0132	3.5000e-004	0.0135	0.0000	44.1002	44.1002	3.8700e-003	2.4500e-003	44.9284
Waste						0.0000	0.0000		0.0000	0.0000	3.4427	0.0000	3.4427	0.2035	0.0000	8.5292
Water						0.0000	0.0000		0.0000	0.0000	0.1325	3.5657	3.6982	0.0137	3.4000e-004	4.1418
<b>Total</b>	<b>0.1586</b>	<b>0.0575</b>	<b>0.2821</b>	<b>6.4000e-004</b>	<b>0.0493</b>	<b>2.3800e-003</b>	<b>0.0517</b>	<b>0.0132</b>	<b>2.3500e-003</b>	<b>0.0155</b>	<b>3.5753</b>	<b>216.3886</b>	<b>219.9639</b>	<b>0.2265</b>	<b>3.9100e-003</b>	<b>226.7904</b>

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	8/1/2023	9/1/2023	5	24	
2	Site Preparation	Site Preparation	9/2/2023	10/4/2023	5	23	
3	Grading	Grading	10/5/2023	10/13/2023	5	7	

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4	Building Construction	Building Construction	10/14/2023	7/1/2024	5	186
5	Paving	Paving	3/2/2024	4/2/2024	5	22
6	Architectural Coating	Architectural Coating	3/9/2024	4/15/2024	5	26

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 44,928; Non-Residential Outdoor: 14,976; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37



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**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
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	10.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 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					7.3700e-003	0.0000	7.3700e-003	1.1200e-003	0.0000	1.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.0693	0.0887	1.4000e-004		3.3900e-003	3.3900e-003		3.2400e-003	3.2400e-003	0.0000	12.5018	12.5018	2.2700e-003	0.0000	12.5587
<b>Total</b>	<b>7.7600e-003</b>	<b>0.0693</b>	<b>0.0887</b>	<b>1.4000e-004</b>	<b>7.3700e-003</b>	<b>3.3900e-003</b>	<b>0.0108</b>	<b>1.1200e-003</b>	<b>3.2400e-003</b>	<b>4.3600e-003</b>	<b>0.0000</b>	<b>12.5018</b>	<b>12.5018</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>12.5587</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 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	7.0000e-005	4.3200e-003	1.1600e-003	2.0000e-005	5.9000e-004	3.0000e-005	6.2000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	1.9394	1.9394	1.1000e-004	3.1000e-004	2.0339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.9000e-004	3.9200e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0303	1.0303	3.0000e-005	3.0000e-005	1.0389
<b>Total</b>	<b>4.4000e-004</b>	<b>4.6100e-003</b>	<b>5.0800e-003</b>	<b>3.0000e-005</b>	<b>1.9100e-003</b>	<b>4.0000e-005</b>	<b>1.9400e-003</b>	<b>5.1000e-004</b>	<b>4.0000e-005</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>2.9697</b>	<b>2.9697</b>	<b>1.4000e-004</b>	<b>3.4000e-004</b>	<b>3.0727</b>

**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					7.3700e-003	0.0000	7.3700e-003	1.1200e-003	0.0000	1.1200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.7600e-003	0.0693	0.0887	1.4000e-004		3.3900e-003	3.3900e-003		3.2400e-003	3.2400e-003	0.0000	12.5018	12.5018	2.2700e-003	0.0000	12.5586
<b>Total</b>	<b>7.7600e-003</b>	<b>0.0693</b>	<b>0.0887</b>	<b>1.4000e-004</b>	<b>7.3700e-003</b>	<b>3.3900e-003</b>	<b>0.0108</b>	<b>1.1200e-003</b>	<b>3.2400e-003</b>	<b>4.3600e-003</b>	<b>0.0000</b>	<b>12.5018</b>	<b>12.5018</b>	<b>2.2700e-003</b>	<b>0.0000</b>	<b>12.5586</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 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	7.0000e-005	4.3200e-003	1.1600e-003	2.0000e-005	5.9000e-004	3.0000e-005	6.2000e-004	1.6000e-004	3.0000e-005	1.9000e-004	0.0000	1.9394	1.9394	1.1000e-004	3.1000e-004	2.0339
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7000e-004	2.9000e-004	3.9200e-003	1.0000e-005	1.3200e-003	1.0000e-005	1.3200e-003	3.5000e-004	1.0000e-005	3.6000e-004	0.0000	1.0303	1.0303	3.0000e-005	3.0000e-005	1.0389
<b>Total</b>	<b>4.4000e-004</b>	<b>4.6100e-003</b>	<b>5.0800e-003</b>	<b>3.0000e-005</b>	<b>1.9100e-003</b>	<b>4.0000e-005</b>	<b>1.9400e-003</b>	<b>5.1000e-004</b>	<b>4.0000e-005</b>	<b>5.5000e-004</b>	<b>0.0000</b>	<b>2.9697</b>	<b>2.9697</b>	<b>1.4000e-004</b>	<b>3.4000e-004</b>	<b>3.0727</b>

**3.3 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1500e-003	0.0712	0.0451	1.1000e-004		2.6100e-003	2.6100e-003		2.4000e-003	2.4000e-003	0.0000	9.8320	9.8320	3.1800e-003	0.0000	9.9115
<b>Total</b>	<b>6.1500e-003</b>	<b>0.0712</b>	<b>0.0451</b>	<b>1.1000e-004</b>	<b>2.7000e-004</b>	<b>2.6100e-003</b>	<b>2.8800e-003</b>	<b>3.0000e-005</b>	<b>2.4000e-003</b>	<b>2.4300e-003</b>	<b>0.0000</b>	<b>9.8320</b>	<b>9.8320</b>	<b>3.1800e-003</b>	<b>0.0000</b>	<b>9.9115</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Site Preparation - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.8800e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4937	0.4937	1.0000e-005	1.0000e-005	0.4978
<b>Total</b>	<b>1.8000e-004</b>	<b>1.4000e-004</b>	<b>1.8800e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.3000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4937</b>	<b>0.4937</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4978</b>

**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					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.1500e-003	0.0712	0.0451	1.1000e-004		2.6100e-003	2.6100e-003		2.4000e-003	2.4000e-003	0.0000	9.8320	9.8320	3.1800e-003	0.0000	9.9115
<b>Total</b>	<b>6.1500e-003</b>	<b>0.0712</b>	<b>0.0451</b>	<b>1.1000e-004</b>	<b>2.7000e-004</b>	<b>2.6100e-003</b>	<b>2.8800e-003</b>	<b>3.0000e-005</b>	<b>2.4000e-003</b>	<b>2.4300e-003</b>	<b>0.0000</b>	<b>9.8320</b>	<b>9.8320</b>	<b>3.1800e-003</b>	<b>0.0000</b>	<b>9.9115</b>

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**3.3 Site Preparation - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.8000e-004	1.4000e-004	1.8800e-003	1.0000e-005	6.3000e-004	0.0000	6.3000e-004	1.7000e-004	0.0000	1.7000e-004	0.0000	0.4937	0.4937	1.0000e-005	1.0000e-005	0.4978
<b>Total</b>	<b>1.8000e-004</b>	<b>1.4000e-004</b>	<b>1.8800e-003</b>	<b>1.0000e-005</b>	<b>6.3000e-004</b>	<b>0.0000</b>	<b>6.3000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.4937</b>	<b>0.4937</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4978</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0166	0.0000	0.0166	8.7800e-003	0.0000	8.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2700e-003	0.0356	0.0194	5.0000e-005		1.4700e-003	1.4700e-003		1.3500e-003	1.3500e-003	0.0000	4.3334	4.3334	1.4000e-003	0.0000	4.3684
<b>Total</b>	<b>3.2700e-003</b>	<b>0.0356</b>	<b>0.0194</b>	<b>5.0000e-005</b>	<b>0.0166</b>	<b>1.4700e-003</b>	<b>0.0181</b>	<b>8.7800e-003</b>	<b>1.3500e-003</b>	<b>0.0101</b>	<b>0.0000</b>	<b>4.3334</b>	<b>4.3334</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>4.3684</b>

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**3.4 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	9.0000e-005	7.0000e-005	9.1000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2404	0.2404	1.0000e-005	1.0000e-005	0.2424
<b>Total</b>	<b>9.0000e-005</b>	<b>7.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2404</b>	<b>0.2404</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2424</b>

**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					0.0166	0.0000	0.0166	8.7800e-003	0.0000	8.7800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.2700e-003	0.0356	0.0194	5.0000e-005		1.4700e-003	1.4700e-003		1.3500e-003	1.3500e-003	0.0000	4.3333	4.3333	1.4000e-003	0.0000	4.3684
<b>Total</b>	<b>3.2700e-003</b>	<b>0.0356</b>	<b>0.0194</b>	<b>5.0000e-005</b>	<b>0.0166</b>	<b>1.4700e-003</b>	<b>0.0181</b>	<b>8.7800e-003</b>	<b>1.3500e-003</b>	<b>0.0101</b>	<b>0.0000</b>	<b>4.3333</b>	<b>4.3333</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>4.3684</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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	9.0000e-005	7.0000e-005	9.1000e-004	0.0000	3.1000e-004	0.0000	3.1000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2404	0.2404	1.0000e-005	1.0000e-005	0.2424
<b>Total</b>	<b>9.0000e-005</b>	<b>7.0000e-005</b>	<b>9.1000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>3.1000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2404</b>	<b>0.2404</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2424</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0174	0.1765	0.1952	3.1000e-004		8.8100e-003	8.8100e-003		8.1000e-003	8.1000e-003	0.0000	27.5573	27.5573	8.9100e-003	0.0000	27.7801
<b>Total</b>	<b>0.0174</b>	<b>0.1765</b>	<b>0.1952</b>	<b>3.1000e-004</b>		<b>8.8100e-003</b>	<b>8.8100e-003</b>		<b>8.1000e-003</b>	<b>8.1000e-003</b>	<b>0.0000</b>	<b>27.5573</b>	<b>27.5573</b>	<b>8.9100e-003</b>	<b>0.0000</b>	<b>27.7801</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	5.2400e-003	1.9900e-003	3.0000e-005	8.7000e-004	3.0000e-005	9.0000e-004	2.5000e-004	3.0000e-005	2.8000e-004	0.0000	2.4471	2.4471	8.0000e-005	3.5000e-004	2.5548
Worker	8.6000e-004	6.6000e-004	8.9700e-003	3.0000e-005	3.0200e-003	2.0000e-005	3.0300e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3611	2.3611	6.0000e-005	6.0000e-005	2.3807
<b>Total</b>	<b>1.0100e-003</b>	<b>5.9000e-003</b>	<b>0.0110</b>	<b>6.0000e-005</b>	<b>3.8900e-003</b>	<b>5.0000e-005</b>	<b>3.9300e-003</b>	<b>1.0500e-003</b>	<b>5.0000e-005</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>4.8082</b>	<b>4.8082</b>	<b>1.4000e-004</b>	<b>4.1000e-004</b>	<b>4.9356</b>

**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	0.0174	0.1765	0.1952	3.1000e-004		8.8100e-003	8.8100e-003		8.1000e-003	8.1000e-003	0.0000	27.5573	27.5573	8.9100e-003	0.0000	27.7801
<b>Total</b>	<b>0.0174</b>	<b>0.1765</b>	<b>0.1952</b>	<b>3.1000e-004</b>		<b>8.8100e-003</b>	<b>8.8100e-003</b>		<b>8.1000e-003</b>	<b>8.1000e-003</b>	<b>0.0000</b>	<b>27.5573</b>	<b>27.5573</b>	<b>8.9100e-003</b>	<b>0.0000</b>	<b>27.7801</b>



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.5000e-004	5.2400e-003	1.9900e-003	3.0000e-005	8.7000e-004	3.0000e-005	9.0000e-004	2.5000e-004	3.0000e-005	2.8000e-004	0.0000	2.4471	2.4471	8.0000e-005	3.5000e-004	2.5548
Worker	8.6000e-004	6.6000e-004	8.9700e-003	3.0000e-005	3.0200e-003	2.0000e-005	3.0300e-003	8.0000e-004	2.0000e-005	8.2000e-004	0.0000	2.3611	2.3611	6.0000e-005	6.0000e-005	2.3807
<b>Total</b>	<b>1.0100e-003</b>	<b>5.9000e-003</b>	<b>0.0110</b>	<b>6.0000e-005</b>	<b>3.8900e-003</b>	<b>5.0000e-005</b>	<b>3.9300e-003</b>	<b>1.0500e-003</b>	<b>5.0000e-005</b>	<b>1.1000e-003</b>	<b>0.0000</b>	<b>4.8082</b>	<b>4.8082</b>	<b>1.4000e-004</b>	<b>4.1000e-004</b>	<b>4.9356</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0390	0.3913	0.4629	7.5000e-004		0.0185	0.0185		0.0170	0.0170	0.0000	65.6588	65.6588	0.0212	0.0000	66.1897
<b>Total</b>	<b>0.0390</b>	<b>0.3913</b>	<b>0.4629</b>	<b>7.5000e-004</b>		<b>0.0185</b>	<b>0.0185</b>		<b>0.0170</b>	<b>0.0170</b>	<b>0.0000</b>	<b>65.6588</b>	<b>65.6588</b>	<b>0.0212</b>	<b>0.0000</b>	<b>66.1897</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0125	4.6700e-003	6.0000e-005	2.0700e-003	7.0000e-005	2.1300e-003	6.0000e-004	7.0000e-005	6.6000e-004	0.0000	5.7448	5.7448	2.0000e-004	8.3000e-004	5.9981
Worker	1.9100e-003	1.4000e-003	0.0199	6.0000e-005	7.1900e-003	4.0000e-005	7.2300e-003	1.9100e-003	4.0000e-005	1.9400e-003	0.0000	5.4595	5.4595	1.3000e-004	1.3000e-004	5.5029
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0139</b>	<b>0.0246</b>	<b>1.2000e-004</b>	<b>9.2600e-003</b>	<b>1.1000e-004</b>	<b>9.3600e-003</b>	<b>2.5100e-003</b>	<b>1.1000e-004</b>	<b>2.6000e-003</b>	<b>0.0000</b>	<b>11.2043</b>	<b>11.2043</b>	<b>3.3000e-004</b>	<b>9.6000e-004</b>	<b>11.5010</b>

**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	0.0390	0.3913	0.4629	7.5000e-004		0.0185	0.0185		0.0170	0.0170	0.0000	65.6587	65.6587	0.0212	0.0000	66.1896
<b>Total</b>	<b>0.0390</b>	<b>0.3913</b>	<b>0.4629</b>	<b>7.5000e-004</b>		<b>0.0185</b>	<b>0.0185</b>		<b>0.0170</b>	<b>0.0170</b>	<b>0.0000</b>	<b>65.6587</b>	<b>65.6587</b>	<b>0.0212</b>	<b>0.0000</b>	<b>66.1896</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	3.5000e-004	0.0125	4.6700e-003	6.0000e-005	2.0700e-003	7.0000e-005	2.1300e-003	6.0000e-004	7.0000e-005	6.6000e-004	0.0000	5.7448	5.7448	2.0000e-004	8.3000e-004	5.9981
Worker	1.9100e-003	1.4000e-003	0.0199	6.0000e-005	7.1900e-003	4.0000e-005	7.2300e-003	1.9100e-003	4.0000e-005	1.9400e-003	0.0000	5.4595	5.4595	1.3000e-004	1.3000e-004	5.5029
<b>Total</b>	<b>2.2600e-003</b>	<b>0.0139</b>	<b>0.0246</b>	<b>1.2000e-004</b>	<b>9.2600e-003</b>	<b>1.1000e-004</b>	<b>9.3600e-003</b>	<b>2.5100e-003</b>	<b>1.1000e-004</b>	<b>2.6000e-003</b>	<b>0.0000</b>	<b>11.2043</b>	<b>11.2043</b>	<b>3.3000e-004</b>	<b>9.6000e-004</b>	<b>11.5010</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.4900e-003	0.0575	0.0774	1.2000e-004		2.6700e-003	2.6700e-003		2.5000e-003	2.5000e-003	0.0000	10.3407	10.3407	3.0100e-003	0.0000	10.4160
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.4900e-003</b>	<b>0.0575</b>	<b>0.0774</b>	<b>1.2000e-004</b>		<b>2.6700e-003</b>	<b>2.6700e-003</b>		<b>2.5000e-003</b>	<b>2.5000e-003</b>	<b>0.0000</b>	<b>10.3407</b>	<b>10.3407</b>	<b>3.0100e-003</b>	<b>0.0000</b>	<b>10.4160</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.2000e-004	6.0200e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6504	1.6504	4.0000e-005	4.0000e-005	1.6635
<b>Total</b>	<b>5.8000e-004</b>	<b>4.2000e-004</b>	<b>6.0200e-003</b>	<b>2.0000e-005</b>	<b>2.1700e-003</b>	<b>1.0000e-005</b>	<b>2.1800e-003</b>	<b>5.8000e-004</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.6504</b>	<b>1.6504</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.6635</b>

**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	6.4900e-003	0.0575	0.0774	1.2000e-004		2.6700e-003	2.6700e-003		2.5000e-003	2.5000e-003	0.0000	10.3407	10.3407	3.0100e-003	0.0000	10.4160
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>6.4900e-003</b>	<b>0.0575</b>	<b>0.0774</b>	<b>1.2000e-004</b>		<b>2.6700e-003</b>	<b>2.6700e-003</b>		<b>2.5000e-003</b>	<b>2.5000e-003</b>	<b>0.0000</b>	<b>10.3407</b>	<b>10.3407</b>	<b>3.0100e-003</b>	<b>0.0000</b>	<b>10.4160</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.8000e-004	4.2000e-004	6.0200e-003	2.0000e-005	2.1700e-003	1.0000e-005	2.1800e-003	5.8000e-004	1.0000e-005	5.9000e-004	0.0000	1.6504	1.6504	4.0000e-005	4.0000e-005	1.6635
<b>Total</b>	<b>5.8000e-004</b>	<b>4.2000e-004</b>	<b>6.0200e-003</b>	<b>2.0000e-005</b>	<b>2.1700e-003</b>	<b>1.0000e-005</b>	<b>2.1800e-003</b>	<b>5.8000e-004</b>	<b>1.0000e-005</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>1.6504</b>	<b>1.6504</b>	<b>4.0000e-005</b>	<b>4.0000e-005</b>	<b>1.6635</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.1388					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3500e-003	0.0158	0.0235	4.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	3.3192	3.3192	1.9000e-004	0.0000	3.3239
<b>Total</b>	<b>0.1412</b>	<b>0.0158</b>	<b>0.0235</b>	<b>4.0000e-005</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>3.3192</b>	<b>3.3192</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>3.3239</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	7.9000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2167	0.2167	1.0000e-005	1.0000e-005	0.2184
<b>Total</b>	<b>8.0000e-005</b>	<b>6.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2167</b>	<b>0.2167</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2184</b>

**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	0.1388					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3500e-003	0.0158	0.0235	4.0000e-005		7.9000e-004	7.9000e-004		7.9000e-004	7.9000e-004	0.0000	3.3192	3.3192	1.9000e-004	0.0000	3.3239
<b>Total</b>	<b>0.1412</b>	<b>0.0158</b>	<b>0.0235</b>	<b>4.0000e-005</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>		<b>7.9000e-004</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>3.3192</b>	<b>3.3192</b>	<b>1.9000e-004</b>	<b>0.0000</b>	<b>3.3239</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	7.9000e-004	0.0000	2.9000e-004	0.0000	2.9000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.2167	0.2167	1.0000e-005	1.0000e-005	0.2184
<b>Total</b>	<b>8.0000e-005</b>	<b>6.0000e-005</b>	<b>7.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.2167</b>	<b>0.2167</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.2184</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	tons/yr										MT/yr					
Mitigated	0.0336	0.0311	0.2598	4.8000e-004	0.0493	3.8000e-004	0.0497	0.0132	3.5000e-004	0.0135	0.0000	44.1002	44.1002	3.8700e-003	2.4500e-003	44.9284
Unmitigated	0.0336	0.0311	0.2598	4.8000e-004	0.0493	3.8000e-004	0.0497	0.0132	3.5000e-004	0.0135	0.0000	44.1002	44.1002	3.8700e-003	2.4500e-003	44.9284

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	105.27	105.27	52.72	130,958	130,958
Total	105.27	105.27	52.72	130,958	130,958

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.542450	0.061470	0.185138	0.129299	0.023799	0.006448	0.011958	0.009209	0.000810	0.000503	0.024446	0.000751	0.003721



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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	140.0163	140.0163	4.8700e-003	5.9000e-004	140.3139
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	140.0163	140.0163	4.8700e-003	5.9000e-004	140.3139
NaturalGas Mitigated	2.9000e-003	0.0264	0.0222	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	28.7064	28.7064	5.5000e-004	5.3000e-004	28.8770
NaturalGas Unmitigated	2.9000e-003	0.0264	0.0222	1.6000e-004		2.0000e-003	2.0000e-003		2.0000e-003	2.0000e-003	0.0000	28.7064	28.7064	5.5000e-004	5.3000e-004	28.8770

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - Natural Gas

Unmitigated

	Natural Gas 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																
Automobile Care Center	537938	2.9000e-003	0.0264	0.0222	1.6000e-004	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	0.0000	28.7064	28.7064	5.5000e-004	5.3000e-004	28.8770
Total		2.9000e-003	0.0264	0.0222	1.6000e-004	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	0.0000	28.7064	28.7064	5.5000e-004	5.3000e-004	28.8770

Mitigated

	Natural Gas 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																
Automobile Care Center	537938	2.9000e-003	0.0264	0.0222	1.6000e-004	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	0.0000	28.7064	28.7064	5.5000e-004	5.3000e-004	28.8770
Total		2.9000e-003	0.0264	0.0222	1.6000e-004	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	2.0000e-003	0.0000	28.7064	28.7064	5.5000e-004	5.3000e-004	28.8770

1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Unmitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Automobile Care Center	325279	4,8700e-003	5,9000e-004	140,3139
Total	140,0163	4,8700e-003	5,9000e-004	140,3139

Mitigated

Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Automobile Care Center	325279	4,8700e-003	5,9000e-004	140,3139
Total	140,0163	4,8700e-003	5,9000e-004	140,3139

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 Not 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	0.1221	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
Unmitigated	0.1221	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004

**6.2 Area by SubCategory**

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1082					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
<b>Total</b>	<b>0.1221</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2000e-004</b>

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0139					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1082					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	1.0000e-005	0.0000	6.0000e-005	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.1000e-004	1.1000e-004	0.0000	0.0000	1.2000e-004
<b>Total</b>	<b>0.1221</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.1000e-004</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2000e-004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

Category	MT/yr			
	Total CO2	CH4	N2O	CO2e
Mitigated	3.6982	0.0137	3.4000e-004	4.1418
Unmitigated	3.6982	0.0137	3.4000e-004	4.1418

Indoor/Outdoor Use	Mgal			
	Total CO2	CH4	N2O	CO2e
Land Use	MT/yr			
Automobile Care Center	0.41772 / 0.256022	3.6982	0.0137	3.4000e-004
Total		3.6982	0.0137	3.4000e-004

1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**7.2 Water by Land Use**

Mitigated

Indoor/Outdoor Use	Total CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
Mgal	MT/yr			
Automobile Care Center	0.41772 / 0.256022	3.6982	0.0137	3.4000e-004
Total		3.6982	0.0137	3.4000e-004
				4.1418

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

Total CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
MT/yr			
Mitigated	3.4427	0.2035	0.0000
Unmitigated	3.4427	0.2035	0.0000
			8.5292

1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.2 Waste by Land Use**

**Unmitigated**

Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr		
Automobile Care Center	16.96	3.4427	0.2035	8.5292
<b>Total</b>		<b>3.4427</b>	<b>0.2035</b>	<b>8.5292</b>

**Mitigated**

Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr		
Automobile Care Center	16.96	3.4427	0.2035	8.5292
<b>Total</b>		<b>3.4427</b>	<b>0.2035</b>	<b>8.5292</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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1501 N Brand (Carwash) - South Coast AQMD Air District, Annual

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**10.0 Stationary Equipment**

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**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**

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1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**1501 N Brand (Carwash)  
South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	4.44	1000sqft	0.69	29,952.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2024
<b>Utility Company</b>	Glendale Water and Power				
<b>CO2 Intensity (lb/MW hr)</b>	948.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics - demolish a 14,980 SF office building and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF corner lot .

Land Use - demolish a 14,980 SF office building and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF (0.687 acre) corner lot

Construction Phase - Demo 24 days; Site Prep 23 days; Grading 7 days (minimal onsite earth movement and mostly site prep. 0 CY export of material); Building Construction 186 days; Paving 22 days; Arch coating 26 days.

Grading - Minimal grading with 0 CY import and 0 CY export. If any grading, it would be involved during site prep. Default values are used.

Demolition - demolition involves 14,980 SF office building

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	26.00
tblConstructionPhase	NumDays	100.00	186.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	2.00	7.00

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	23.00
tblConstructionPhase	PhaseEndDate	1/18/2024	4/15/2024
tblConstructionPhase	PhaseEndDate	1/4/2024	7/1/2024
tblConstructionPhase	PhaseEndDate	8/14/2023	9/1/2023
tblConstructionPhase	PhaseEndDate	8/17/2023	10/13/2023
tblConstructionPhase	PhaseEndDate	1/11/2024	4/2/2024
tblConstructionPhase	PhaseEndDate	8/15/2023	10/4/2023
tblConstructionPhase	PhaseStartDate	1/12/2024	3/9/2024
tblConstructionPhase	PhaseStartDate	8/18/2023	10/14/2023
tblConstructionPhase	PhaseStartDate	8/16/2023	10/5/2023
tblConstructionPhase	PhaseStartDate	1/5/2024	3/2/2024
tblConstructionPhase	PhaseStartDate	8/15/2023	9/2/2023
tblGrading	AcresOfGrading	11.50	0.50
tblGrading	AcresOfGrading	5.25	1.50
tblLandUse	LandUseSquareFeet	4,438.00	29,952.00
tblLandUse	LotAcreage	0.10	0.69

**2.0 Emissions Summary**

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1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9591	10.1960	7.8394	0.0149	4.8332	0.4206	5.2538	2.5309	0.3870	2.9179	0.0000	1,443.9387	1,443.9387	0.4433	0.0306	1,455.5604
2024	12.1400	12.6622	16.9594	0.0294	0.3674	0.5890	0.9564	0.0982	0.5502	0.6484	0.0000	2,807.4751	2,807.4751	0.6849	0.0203	2,830.6525
<b>Maximum</b>	<b>12.1400</b>	<b>12.6622</b>	<b>16.9594</b>	<b>0.0294</b>	<b>4.8332</b>	<b>0.5890</b>	<b>5.2538</b>	<b>2.5309</b>	<b>0.5502</b>	<b>2.9179</b>	<b>0.0000</b>	<b>2,807.4751</b>	<b>2,807.4751</b>	<b>0.6849</b>	<b>0.0306</b>	<b>2,830.6525</b>

**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	0.9591	10.1960	7.8394	0.0149	4.8332	0.4206	5.2538	2.5309	0.3870	2.9179	0.0000	1,443.9387	1,443.9387	0.4433	0.0306	1,455.5604
2024	12.1400	12.6622	16.9594	0.0294	0.3674	0.5890	0.9564	0.0982	0.5502	0.6484	0.0000	2,807.4751	2,807.4751	0.6849	0.0203	2,830.6525
<b>Maximum</b>	<b>12.1400</b>	<b>12.6622</b>	<b>16.9594</b>	<b>0.0294</b>	<b>4.8332</b>	<b>0.5890</b>	<b>5.2538</b>	<b>2.5309</b>	<b>0.5502</b>	<b>2.9179</b>	<b>0.0000</b>	<b>2,807.4751</b>	<b>2,807.4751</b>	<b>0.6849</b>	<b>0.0306</b>	<b>2,830.6525</b>



1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
Energy	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
Mobile	0.2145	0.1705	1.5246	2.9200e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		297.9136	297.9136	0.0241	0.0153	303.0869
<b>Total</b>	<b>0.8996</b>	<b>0.3150</b>	<b>1.6464</b>	<b>3.7900e-003</b>	<b>0.2971</b>	<b>0.0132</b>	<b>0.3103</b>	<b>0.0792</b>	<b>0.0131</b>	<b>0.0922</b>		<b>471.3031</b>	<b>471.3031</b>	<b>0.0274</b>	<b>0.0185</b>	<b>477.5069</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
Energy	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
Mobile	0.2145	0.1705	1.5246	2.9200e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		297.9136	297.9136	0.0241	0.0153	303.0869
<b>Total</b>	<b>0.8996</b>	<b>0.3150</b>	<b>1.6464</b>	<b>3.7900e-003</b>	<b>0.2971</b>	<b>0.0132</b>	<b>0.3103</b>	<b>0.0792</b>	<b>0.0131</b>	<b>0.0922</b>		<b>471.3031</b>	<b>471.3031</b>	<b>0.0274</b>	<b>0.0185</b>	<b>477.5069</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	Demolition	Demolition	8/1/2023	9/1/2023	5	24	
2	Site Preparation	Site Preparation	9/2/2023	10/4/2023	5	23	
3	Grading	Grading	10/5/2023	10/13/2023	5	7	
4	Building Construction	Building Construction	10/14/2023	7/1/2024	5	186	
5	Paving	Paving	3/2/2024	4/2/2024	5	22	
6	Architectural Coating	Architectural Coating	3/9/2024	4/15/2024	5	26	

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 44,928; Non-Residential Outdoor: 14,976; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**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
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	10.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**



1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 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					0.6144	0.0000	0.6144	0.0930	0.0000	0.0930			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.6144</b>	<b>0.2821</b>	<b>0.8965</b>	<b>0.0930</b>	<b>0.2698</b>	<b>0.3628</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1000e-003	0.3413	0.0960	1.6200e-003	0.0496	2.5900e-003	0.0522	0.0136	2.4700e-003	0.0161		178.0638	178.0638	9.9000e-003	0.0283	186.7414
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0319	0.0214	0.3508	9.8000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		98.9593	98.9593	2.4000e-003	2.2600e-003	99.6928
<b>Total</b>	<b>0.0380</b>	<b>0.3627</b>	<b>0.4468</b>	<b>2.6000e-003</b>	<b>0.1613</b>	<b>3.2200e-003</b>	<b>0.1646</b>	<b>0.0432</b>	<b>3.0500e-003</b>	<b>0.0463</b>		<b>277.0231</b>	<b>277.0231</b>	<b>0.0123</b>	<b>0.0306</b>	<b>286.4342</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 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					0.6144	0.0000	0.6144	0.0930	0.0000	0.0930			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.6144</b>	<b>0.2821</b>	<b>0.8965</b>	<b>0.0930</b>	<b>0.2698</b>	<b>0.3628</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	6.1000e-003	0.3413	0.0960	1.6200e-003	0.0496	2.5900e-003	0.0522	0.0136	2.4700e-003	0.0161		178.0638	178.0638	9.9000e-003	0.0283	186.7414
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0319	0.0214	0.3508	9.8000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		98.9593	98.9593	2.4000e-003	2.2600e-003	99.6928
<b>Total</b>	<b>0.0380</b>	<b>0.3627</b>	<b>0.4468</b>	<b>2.6000e-003</b>	<b>0.1613</b>	<b>3.2200e-003</b>	<b>0.1646</b>	<b>0.0432</b>	<b>3.0500e-003</b>	<b>0.0463</b>		<b>277.0231</b>	<b>277.0231</b>	<b>0.0123</b>	<b>0.0306</b>	<b>286.4342</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0231	0.0000	0.0231	2.4900e-003	0.0000	2.4900e-003			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084		942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.0231</b>	<b>0.2266</b>	<b>0.2496</b>	<b>2.4900e-003</b>	<b>0.2084</b>	<b>0.2109</b>		<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464
<b>Total</b>	<b>0.0160</b>	<b>0.0107</b>	<b>0.1754</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.9000e-004</b>	<b>0.0151</b>		<b>49.4796</b>	<b>49.4796</b>	<b>1.2000e-003</b>	<b>1.1300e-003</b>	<b>49.8464</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0231	0.0000	0.0231	2.4900e-003	0.0000	2.4900e-003			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084	0.0000	942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.0231</b>	<b>0.2266</b>	<b>0.2496</b>	<b>2.4900e-003</b>	<b>0.2084</b>	<b>0.2109</b>	<b>0.0000</b>	<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0160	0.0107	0.1754	4.9000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		49.4796	49.4796	1.2000e-003	1.1300e-003	49.8464
<b>Total</b>	<b>0.0160</b>	<b>0.0107</b>	<b>0.1754</b>	<b>4.9000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.9000e-004</b>	<b>0.0151</b>		<b>49.4796</b>	<b>49.4796</b>	<b>1.2000e-003</b>	<b>1.1300e-003</b>	<b>49.8464</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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					4.7438	0.0000	4.7438	2.5072	0.0000	2.5072			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>4.7438</b>	<b>0.4201</b>	<b>5.1639</b>	<b>2.5072</b>	<b>0.3865</b>	<b>2.8937</b>		<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0255	0.0171	0.2806	7.8000e-004	0.0894	5.0000e-004	0.0899	0.0237	4.6000e-004	0.0242		79.1674	79.1674	1.9200e-003	1.8100e-003	79.7542
<b>Total</b>	<b>0.0255</b>	<b>0.0171</b>	<b>0.2806</b>	<b>7.8000e-004</b>	<b>0.0894</b>	<b>5.0000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.6000e-004</b>	<b>0.0242</b>		<b>79.1674</b>	<b>79.1674</b>	<b>1.9200e-003</b>	<b>1.8100e-003</b>	<b>79.7542</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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					4.7438	0.0000	4.7438	2.5072	0.0000	2.5072			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>4.7438</b>	<b>0.4201</b>	<b>5.1639</b>	<b>2.5072</b>	<b>0.3865</b>	<b>2.8937</b>	<b>0.0000</b>	<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0255	0.0171	0.2806	7.8000e-004	0.0894	5.0000e-004	0.0899	0.0237	4.6000e-004	0.0242		79.1674	79.1674	1.9200e-003	1.8100e-003	79.7542
<b>Total</b>	<b>0.0255</b>	<b>0.0171</b>	<b>0.2806</b>	<b>7.8000e-004</b>	<b>0.0894</b>	<b>5.0000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.6000e-004</b>	<b>0.0242</b>		<b>79.1674</b>	<b>79.1674</b>	<b>1.9200e-003</b>	<b>1.8100e-003</b>	<b>79.7542</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>		<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5300e-003	0.1815	0.0715	9.1000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0100e-003	0.0102		98.0155	98.0155	3.2900e-003	0.0142	102.3263
Worker	0.0319	0.0214	0.3508	9.8000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		98.9593	98.9593	2.4000e-003	2.2600e-003	99.6928
<b>Total</b>	<b>0.0375</b>	<b>0.2029</b>	<b>0.4223</b>	<b>1.8900e-003</b>	<b>0.1438</b>	<b>1.6900e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.5900e-003</b>	<b>0.0405</b>		<b>196.9747</b>	<b>196.9747</b>	<b>5.6900e-003</b>	<b>0.0165</b>	<b>202.0191</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.5300e-003	0.1815	0.0715	9.1000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0100e-003	0.0102		98.0155	98.0155	3.2900e-003	0.0142	102.3263
Worker	0.0319	0.0214	0.3508	9.8000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		98.9593	98.9593	2.4000e-003	2.2600e-003	99.6928
<b>Total</b>	<b>0.0375</b>	<b>0.2029</b>	<b>0.4223</b>	<b>1.8900e-003</b>	<b>0.1438</b>	<b>1.6900e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.5900e-003</b>	<b>0.0405</b>		<b>196.9747</b>	<b>196.9747</b>	<b>5.6900e-003</b>	<b>0.0165</b>	<b>202.0191</b>



1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598		1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>		<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-003	0.1823	0.0703	9.0000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0100e-003	0.0102		96.6054	96.6054	3.2900e-003	0.0140	100.8616
Worker	0.0298	0.0191	0.3267	9.5000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		96.0663	96.0663	2.1700e-003	2.1000e-003	96.7477
<b>Total</b>	<b>0.0352</b>	<b>0.2015</b>	<b>0.3970</b>	<b>1.8500e-003</b>	<b>0.1438</b>	<b>1.6600e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.5600e-003</b>	<b>0.0404</b>		<b>192.6717</b>	<b>192.6717</b>	<b>5.4600e-003</b>	<b>0.0161</b>	<b>197.6093</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598	0.0000	1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>	<b>0.0000</b>	<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.4000e-003	0.1823	0.0703	9.0000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0100e-003	0.0102		96.6054	96.6054	3.2900e-003	0.0140	100.8616
Worker	0.0298	0.0191	0.3267	9.5000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		96.0663	96.0663	2.1700e-003	2.1000e-003	96.7477
<b>Total</b>	<b>0.0352</b>	<b>0.2015</b>	<b>0.3970</b>	<b>1.8500e-003</b>	<b>0.1438</b>	<b>1.6600e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.5600e-003</b>	<b>0.0404</b>		<b>192.6717</b>	<b>192.6717</b>	<b>5.4600e-003</b>	<b>0.0161</b>	<b>197.6093</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>		<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0536	0.0345	0.5880	1.7100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		172.9194	172.9194	3.9100e-003	3.7900e-003	174.1459
<b>Total</b>	<b>0.0536</b>	<b>0.0345</b>	<b>0.5880</b>	<b>1.7100e-003</b>	<b>0.2012</b>	<b>1.0800e-003</b>	<b>0.2023</b>	<b>0.0534</b>	<b>9.9000e-004</b>	<b>0.0544</b>		<b>172.9194</b>	<b>172.9194</b>	<b>3.9100e-003</b>	<b>3.7900e-003</b>	<b>174.1459</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>	<b>0.0000</b>	<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0536	0.0345	0.5880	1.7100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		172.9194	172.9194	3.9100e-003	3.7900e-003	174.1459
<b>Total</b>	<b>0.0536</b>	<b>0.0345</b>	<b>0.5880</b>	<b>1.7100e-003</b>	<b>0.2012</b>	<b>1.0800e-003</b>	<b>0.2023</b>	<b>0.0534</b>	<b>9.9000e-004</b>	<b>0.0544</b>		<b>172.9194</b>	<b>172.9194</b>	<b>3.9100e-003</b>	<b>3.7900e-003</b>	<b>174.1459</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.6790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>10.8598</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9600e-003	3.8300e-003	0.0653	1.9000e-004	0.0224	1.2000e-004	0.0225	5.9300e-003	1.1000e-004	6.0400e-003		19.2133	19.2133	4.3000e-004	4.2000e-004	19.3496
<b>Total</b>	<b>5.9600e-003</b>	<b>3.8300e-003</b>	<b>0.0653</b>	<b>1.9000e-004</b>	<b>0.0224</b>	<b>1.2000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>		<b>19.2133</b>	<b>19.2133</b>	<b>4.3000e-004</b>	<b>4.2000e-004</b>	<b>19.3496</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.6790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>10.8598</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.9600e-003	3.8300e-003	0.0653	1.9000e-004	0.0224	1.2000e-004	0.0225	5.9300e-003	1.1000e-004	6.0400e-003		19.2133	19.2133	4.3000e-004	4.2000e-004	19.3496
<b>Total</b>	<b>5.9600e-003</b>	<b>3.8300e-003</b>	<b>0.0653</b>	<b>1.9000e-004</b>	<b>0.0224</b>	<b>1.2000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>		<b>19.2133</b>	<b>19.2133</b>	<b>4.3000e-004</b>	<b>4.2000e-004</b>	<b>19.3496</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.2145	0.1705	1.5246	2.9200e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		297.9136	297.9136	0.0241	0.0153	303.0869
Unmitigated	0.2145	0.1705	1.5246	2.9200e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		297.9136	297.9136	0.0241	0.0153	303.0869

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	105.27	105.27	52.72	130,958	130,958
Total	105.27	105.27	52.72	130,958	130,958

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.542450	0.061470	0.185138	0.129299	0.023799	0.006448	0.011958	0.009209	0.000810	0.000503	0.024446	0.000751	0.003721

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
NaturalGas Unmitigated	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189

**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					
Automobile Care Center	1473.8	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
<b>Total</b>		<b>0.0159</b>	<b>0.1445</b>	<b>0.1214</b>	<b>8.7000e-004</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>		<b>173.3885</b>	<b>173.3885</b>	<b>3.3200e-003</b>	<b>3.1800e-003</b>	<b>174.4189</b>



1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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					
Automobile Care Center	1.4738	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
<b>Total</b>		<b>0.0159</b>	<b>0.1445</b>	<b>0.1214</b>	<b>8.7000e-004</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>		<b>173.3885</b>	<b>173.3885</b>	<b>3.3200e-003</b>	<b>3.1800e-003</b>	<b>174.4189</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
Unmitigated	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0761					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
<b>Total</b>	<b>0.6692</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>9.7000e-004</b>	<b>9.7000e-004</b>	<b>0.0000</b>		<b>1.0300e-003</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.0761					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
<b>Total</b>	<b>0.6692</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>9.7000e-004</b>	<b>9.7000e-004</b>	<b>0.0000</b>		<b>1.0300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

1501 N Brand (Carwash) - South Coast AQMD Air District, Summer

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**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**

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1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**1501 N Brand (Carwash)**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Automobile Care Center	4.44	1000sqft	0.69	29,952.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	12			<b>Operational Year</b>	2024
<b>Utility Company</b>	Glendale Water and Power				
<b>CO2 Intensity (lb/MW hr)</b>	948.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics - demolish a 14,980 SF office building and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF corner lot .

Land Use - demolish a 14,980 SF office building and construct a 4,438 SF, one-story self-service car wash with 25 vacuum stations, a 150 SF service-window kiosk and a trash enclosure on a 29,952 SF (0.687 acre) corner lot

Construction Phase - Demo 24 days; Site Prep 23 days; Grading 7 days (minimal onsite earth movement and mostly site prep. 0 CY export of material); Building Construction 186 days; Paving 22 days; Arch coating 26 days.

Grading - Minimal grading with 0 CY import and 0 CY export. If any grading, it would be involved during site prep. Default values are used.

Demolition - demolition involves 14,980 SF office building

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	26.00
tblConstructionPhase	NumDays	100.00	186.00
tblConstructionPhase	NumDays	10.00	24.00
tblConstructionPhase	NumDays	2.00	7.00

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

tblConstructionPhase	NumDays	5.00	22.00
tblConstructionPhase	NumDays	1.00	23.00
tblConstructionPhase	PhaseEndDate	1/18/2024	4/15/2024
tblConstructionPhase	PhaseEndDate	1/4/2024	7/1/2024
tblConstructionPhase	PhaseEndDate	8/14/2023	9/1/2023
tblConstructionPhase	PhaseEndDate	8/17/2023	10/13/2023
tblConstructionPhase	PhaseEndDate	1/11/2024	4/2/2024
tblConstructionPhase	PhaseEndDate	8/15/2023	10/4/2023
tblConstructionPhase	PhaseStartDate	1/12/2024	3/9/2024
tblConstructionPhase	PhaseStartDate	8/18/2023	10/14/2023
tblConstructionPhase	PhaseStartDate	8/16/2023	10/5/2023
tblConstructionPhase	PhaseStartDate	1/5/2024	3/2/2024
tblConstructionPhase	PhaseStartDate	8/15/2023	9/2/2023
tblGrading	AcresOfGrading	11.50	0.50
tblGrading	AcresOfGrading	5.25	1.50
tblLandUse	LandUseSquareFeet	4,438.00	29,952.00
tblLandUse	LotAcreage	0.10	0.69

**2.0 Emissions Summary**

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1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2023	0.9605	10.1976	7.8075	0.0148	4.8332	0.4206	5.2538	2.5309	0.3870	2.9179	0.0000	1,439.344 6	1,439.344 6	0.4433	0.0307	1,450.999 7
2024	12.1450	12.6765	16.8689	0.0292	0.3674	0.5890	0.9564	0.0982	0.5502	0.6484	0.0000	2,790.939 2	2,790.939 2	0.6850	0.0207	2,814.243 1
<b>Maximum</b>	<b>12.1450</b>	<b>12.6765</b>	<b>16.8689</b>	<b>0.0292</b>	<b>4.8332</b>	<b>0.5890</b>	<b>5.2538</b>	<b>2.5309</b>	<b>0.5502</b>	<b>2.9179</b>	<b>0.0000</b>	<b>2,790.939 2</b>	<b>2,790.939 2</b>	<b>0.6850</b>	<b>0.0307</b>	<b>2,814.243 1</b>

**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	0.9605	10.1976	7.8075	0.0148	4.8332	0.4206	5.2538	2.5309	0.3870	2.9179	0.0000	1,439.344 6	1,439.344 6	0.4433	0.0307	1,450.999 7
2024	12.1450	12.6765	16.8689	0.0292	0.3674	0.5890	0.9564	0.0982	0.5502	0.6484	0.0000	2,790.939 2	2,790.939 2	0.6850	0.0207	2,814.243 1
<b>Maximum</b>	<b>12.1450</b>	<b>12.6765</b>	<b>16.8689</b>	<b>0.0292</b>	<b>4.8332</b>	<b>0.5890</b>	<b>5.2538</b>	<b>2.5309</b>	<b>0.5502</b>	<b>2.9179</b>	<b>0.0000</b>	<b>2,790.939 2</b>	<b>2,790.939 2</b>	<b>0.6850</b>	<b>0.0307</b>	<b>2,814.243 1</b>





1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
Energy	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
Mobile	0.2028	0.1833	1.5327	2.7900e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		284.6893	284.6893	0.0255	0.0160	290.0936
<b>Total</b>	<b>0.8879</b>	<b>0.3278</b>	<b>1.6545</b>	<b>3.6600e-003</b>	<b>0.2971</b>	<b>0.0132</b>	<b>0.3103</b>	<b>0.0792</b>	<b>0.0131</b>	<b>0.0922</b>		<b>458.0788</b>	<b>458.0788</b>	<b>0.0288</b>	<b>0.0192</b>	<b>464.5135</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
Energy	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
Mobile	0.2028	0.1833	1.5327	2.7900e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		284.6893	284.6893	0.0255	0.0160	290.0936
<b>Total</b>	<b>0.8879</b>	<b>0.3278</b>	<b>1.6545</b>	<b>3.6600e-003</b>	<b>0.2971</b>	<b>0.0132</b>	<b>0.3103</b>	<b>0.0792</b>	<b>0.0131</b>	<b>0.0922</b>		<b>458.0788</b>	<b>458.0788</b>	<b>0.0288</b>	<b>0.0192</b>	<b>464.5135</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	Demolition	Demolition	8/1/2023	9/1/2023	5	24	
2	Site Preparation	Site Preparation	9/2/2023	10/4/2023	5	23	
3	Grading	Grading	10/5/2023	10/13/2023	5	7	
4	Building Construction	Building Construction	10/14/2023	7/1/2024	5	186	
5	Paving	Paving	3/2/2024	4/2/2024	5	22	
6	Architectural Coating	Architectural Coating	3/9/2024	4/15/2024	5	26	

**Acres of Grading (Site Preparation Phase): 0.5**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 44,928; Non-Residential Outdoor: 14,976; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

Grading	Graders	1	6.00	187	0.41
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Rubber Tired Dozers	1	1.00	247	0.40
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37

**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
Architectural Coating	1	2.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	10.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Demolition	4	10.00	0.00	68.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 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					0.6144	0.0000	0.6144	0.0930	0.0000	0.0930			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698		1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.6144</b>	<b>0.2821</b>	<b>0.8965</b>	<b>0.0930</b>	<b>0.2698</b>	<b>0.3628</b>		<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7000e-003	0.3576	0.0974	1.6200e-003	0.0496	2.5900e-003	0.0522	0.0136	2.4800e-003	0.0161		178.2644	178.2644	9.8800e-003	0.0283	186.9511
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0337	0.0234	0.3175	9.2000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		93.2166	93.2166	2.4300e-003	2.4000e-003	93.9918
<b>Total</b>	<b>0.0394</b>	<b>0.3810</b>	<b>0.4148</b>	<b>2.5400e-003</b>	<b>0.1613</b>	<b>3.2200e-003</b>	<b>0.1646</b>	<b>0.0432</b>	<b>3.0600e-003</b>	<b>0.0463</b>		<b>271.4810</b>	<b>271.4810</b>	<b>0.0123</b>	<b>0.0307</b>	<b>280.9429</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.2 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					0.6144	0.0000	0.6144	0.0930	0.0000	0.0930			0.0000			0.0000
Off-Road	0.6463	5.7787	7.3926	0.0120		0.2821	0.2821		0.2698	0.2698	0.0000	1,148.4055	1,148.4055	0.2089		1,153.6290
<b>Total</b>	<b>0.6463</b>	<b>5.7787</b>	<b>7.3926</b>	<b>0.0120</b>	<b>0.6144</b>	<b>0.2821</b>	<b>0.8965</b>	<b>0.0930</b>	<b>0.2698</b>	<b>0.3628</b>	<b>0.0000</b>	<b>1,148.4055</b>	<b>1,148.4055</b>	<b>0.2089</b>		<b>1,153.6290</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	5.7000e-003	0.3576	0.0974	1.6200e-003	0.0496	2.5900e-003	0.0522	0.0136	2.4800e-003	0.0161		178.2644	178.2644	9.8800e-003	0.0283	186.9511
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0337	0.0234	0.3175	9.2000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		93.2166	93.2166	2.4300e-003	2.4000e-003	93.9918
<b>Total</b>	<b>0.0394</b>	<b>0.3810</b>	<b>0.4148</b>	<b>2.5400e-003</b>	<b>0.1613</b>	<b>3.2200e-003</b>	<b>0.1646</b>	<b>0.0432</b>	<b>3.0600e-003</b>	<b>0.0463</b>		<b>271.4810</b>	<b>271.4810</b>	<b>0.0123</b>	<b>0.0307</b>	<b>280.9429</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Site Preparation - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0231	0.0000	0.0231	2.4900e-003	0.0000	2.4900e-003			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084		942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.0231</b>	<b>0.2266</b>	<b>0.2496</b>	<b>2.4900e-003</b>	<b>0.2084</b>	<b>0.2109</b>		<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0169	0.0117	0.1587	4.6000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		46.6083	46.6083	1.2200e-003	1.2000e-003	46.9959
<b>Total</b>	<b>0.0169</b>	<b>0.0117</b>	<b>0.1587</b>	<b>4.6000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.9000e-004</b>	<b>0.0151</b>		<b>46.6083</b>	<b>46.6083</b>	<b>1.2200e-003</b>	<b>1.2000e-003</b>	<b>46.9959</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.3 Site Preparation - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.0231	0.0000	0.0231	2.4900e-003	0.0000	2.4900e-003			0.0000			0.0000
Off-Road	0.5348	6.1887	3.9239	9.7300e-003		0.2266	0.2266		0.2084	0.2084	0.0000	942.4317	942.4317	0.3048		950.0517
<b>Total</b>	<b>0.5348</b>	<b>6.1887</b>	<b>3.9239</b>	<b>9.7300e-003</b>	<b>0.0231</b>	<b>0.2266</b>	<b>0.2496</b>	<b>2.4900e-003</b>	<b>0.2084</b>	<b>0.2109</b>	<b>0.0000</b>	<b>942.4317</b>	<b>942.4317</b>	<b>0.3048</b>		<b>950.0517</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0169	0.0117	0.1587	4.6000e-004	0.0559	3.1000e-004	0.0562	0.0148	2.9000e-004	0.0151		46.6083	46.6083	1.2200e-003	1.2000e-003	46.9959
<b>Total</b>	<b>0.0169</b>	<b>0.0117</b>	<b>0.1587</b>	<b>4.6000e-004</b>	<b>0.0559</b>	<b>3.1000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.9000e-004</b>	<b>0.0151</b>		<b>46.6083</b>	<b>46.6083</b>	<b>1.2200e-003</b>	<b>1.2000e-003</b>	<b>46.9959</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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					4.7438	0.0000	4.7438	2.5072	0.0000	2.5072			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865		1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>4.7438</b>	<b>0.4201</b>	<b>5.1639</b>	<b>2.5072</b>	<b>0.3865</b>	<b>2.8937</b>		<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0270	0.0187	0.2540	7.4000e-004	0.0894	5.0000e-004	0.0899	0.0237	4.6000e-004	0.0242		74.5733	74.5733	1.9500e-003	1.9200e-003	75.1935
<b>Total</b>	<b>0.0270</b>	<b>0.0187</b>	<b>0.2540</b>	<b>7.4000e-004</b>	<b>0.0894</b>	<b>5.0000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.6000e-004</b>	<b>0.0242</b>		<b>74.5733</b>	<b>74.5733</b>	<b>1.9500e-003</b>	<b>1.9200e-003</b>	<b>75.1935</b>



1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.4 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					4.7438	0.0000	4.7438	2.5072	0.0000	2.5072			0.0000			0.0000
Off-Road	0.9335	10.1789	5.5516	0.0141		0.4201	0.4201		0.3865	0.3865	0.0000	1,364.771 3	1,364.771 3	0.4414		1,375.806 2
<b>Total</b>	<b>0.9335</b>	<b>10.1789</b>	<b>5.5516</b>	<b>0.0141</b>	<b>4.7438</b>	<b>0.4201</b>	<b>5.1639</b>	<b>2.5072</b>	<b>0.3865</b>	<b>2.8937</b>	<b>0.0000</b>	<b>1,364.771 3</b>	<b>1,364.771 3</b>	<b>0.4414</b>		<b>1,375.806 2</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0270	0.0187	0.2540	7.4000e-004	0.0894	5.0000e-004	0.0899	0.0237	4.6000e-004	0.0242		74.5733	74.5733	1.9500e-003	1.9200e-003	75.1935
<b>Total</b>	<b>0.0270</b>	<b>0.0187</b>	<b>0.2540</b>	<b>7.4000e-004</b>	<b>0.0894</b>	<b>5.0000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.6000e-004</b>	<b>0.0242</b>		<b>74.5733</b>	<b>74.5733</b>	<b>1.9500e-003</b>	<b>1.9200e-003</b>	<b>75.1935</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946		1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>		<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2900e-003	0.1905	0.0738	9.1000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0200e-003	0.0102		98.1927	98.1927	3.2800e-003	0.0142	102.5145
Worker	0.0337	0.0234	0.3175	9.2000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		93.2166	93.2166	2.4300e-003	2.4000e-003	93.9918
<b>Total</b>	<b>0.0390</b>	<b>0.2139</b>	<b>0.3912</b>	<b>1.8300e-003</b>	<b>0.1438</b>	<b>1.6900e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.6000e-003</b>	<b>0.0405</b>		<b>191.4093</b>	<b>191.4093</b>	<b>5.7100e-003</b>	<b>0.0166</b>	<b>196.5063</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6322	6.4186	7.0970	0.0114		0.3203	0.3203		0.2946	0.2946	0.0000	1,104.6089	1,104.6089	0.3573		1,113.5402
<b>Total</b>	<b>0.6322</b>	<b>6.4186</b>	<b>7.0970</b>	<b>0.0114</b>		<b>0.3203</b>	<b>0.3203</b>		<b>0.2946</b>	<b>0.2946</b>	<b>0.0000</b>	<b>1,104.6089</b>	<b>1,104.6089</b>	<b>0.3573</b>		<b>1,113.5402</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.2900e-003	0.1905	0.0738	9.1000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0200e-003	0.0102		98.1927	98.1927	3.2800e-003	0.0142	102.5145
Worker	0.0337	0.0234	0.3175	9.2000e-004	0.1118	6.3000e-004	0.1124	0.0296	5.8000e-004	0.0302		93.2166	93.2166	2.4300e-003	2.4000e-003	93.9918
<b>Total</b>	<b>0.0390</b>	<b>0.2139</b>	<b>0.3912</b>	<b>1.8300e-003</b>	<b>0.1438</b>	<b>1.6900e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.6000e-003</b>	<b>0.0405</b>		<b>191.4093</b>	<b>191.4093</b>	<b>5.7100e-003</b>	<b>0.0166</b>	<b>196.5063</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598		1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>		<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1600e-003	0.1914	0.0726	9.0000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0200e-003	0.0102		96.7830	96.7830	3.2800e-003	0.0140	101.0498
Worker	0.0316	0.0209	0.2958	9.0000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		90.4952	90.4952	2.2100e-003	2.2300e-003	91.2152
<b>Total</b>	<b>0.0367</b>	<b>0.2123</b>	<b>0.3683</b>	<b>1.8000e-003</b>	<b>0.1438</b>	<b>1.6600e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.5700e-003</b>	<b>0.0404</b>		<b>187.2781</b>	<b>187.2781</b>	<b>5.4900e-003</b>	<b>0.0163</b>	<b>192.2650</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.5 Building Construction - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5950	5.9739	7.0675	0.0114		0.2824	0.2824		0.2598	0.2598	0.0000	1,104.9834	1,104.9834	0.3574		1,113.9177
<b>Total</b>	<b>0.5950</b>	<b>5.9739</b>	<b>7.0675</b>	<b>0.0114</b>		<b>0.2824</b>	<b>0.2824</b>		<b>0.2598</b>	<b>0.2598</b>	<b>0.0000</b>	<b>1,104.9834</b>	<b>1,104.9834</b>	<b>0.3574</b>		<b>1,113.9177</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	5.1600e-003	0.1914	0.0726	9.0000e-004	0.0320	1.0600e-003	0.0331	9.2200e-003	1.0200e-003	0.0102		96.7830	96.7830	3.2800e-003	0.0140	101.0498
Worker	0.0316	0.0209	0.2958	9.0000e-004	0.1118	6.0000e-004	0.1124	0.0296	5.5000e-004	0.0302		90.4952	90.4952	2.2100e-003	2.2300e-003	91.2152
<b>Total</b>	<b>0.0367</b>	<b>0.2123</b>	<b>0.3683</b>	<b>1.8000e-003</b>	<b>0.1438</b>	<b>1.6600e-003</b>	<b>0.1455</b>	<b>0.0389</b>	<b>1.5700e-003</b>	<b>0.0404</b>		<b>187.2781</b>	<b>187.2781</b>	<b>5.4900e-003</b>	<b>0.0163</b>	<b>192.2650</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269		1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>		<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0377	0.5324	1.6100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		162.8913	162.8913	3.9700e-003	4.0200e-003	164.1873
<b>Total</b>	<b>0.0568</b>	<b>0.0377</b>	<b>0.5324</b>	<b>1.6100e-003</b>	<b>0.2012</b>	<b>1.0800e-003</b>	<b>0.2023</b>	<b>0.0534</b>	<b>9.9000e-004</b>	<b>0.0544</b>		<b>162.8913</b>	<b>162.8913</b>	<b>3.9700e-003</b>	<b>4.0200e-003</b>	<b>164.1873</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.6 Paving - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5904	5.2297	7.0314	0.0113		0.2429	0.2429		0.2269	0.2269	0.0000	1,036.2393	1,036.2393	0.3019		1,043.7858
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5904</b>	<b>5.2297</b>	<b>7.0314</b>	<b>0.0113</b>		<b>0.2429</b>	<b>0.2429</b>		<b>0.2269</b>	<b>0.2269</b>	<b>0.0000</b>	<b>1,036.2393</b>	<b>1,036.2393</b>	<b>0.3019</b>		<b>1,043.7858</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0568	0.0377	0.5324	1.6100e-003	0.2012	1.0800e-003	0.2023	0.0534	9.9000e-004	0.0544		162.8913	162.8913	3.9700e-003	4.0200e-003	164.1873
<b>Total</b>	<b>0.0568</b>	<b>0.0377</b>	<b>0.5324</b>	<b>1.6100e-003</b>	<b>0.2012</b>	<b>1.0800e-003</b>	<b>0.2023</b>	<b>0.0534</b>	<b>9.9000e-004</b>	<b>0.0544</b>		<b>162.8913</b>	<b>162.8913</b>	<b>3.9700e-003</b>	<b>4.0200e-003</b>	<b>164.1873</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.6790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>10.8598</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3100e-003	4.1800e-003	0.0592	1.8000e-004	0.0224	1.2000e-004	0.0225	5.9300e-003	1.1000e-004	6.0400e-003		18.0990	18.0990	4.4000e-004	4.5000e-004	18.2430
<b>Total</b>	<b>6.3100e-003</b>	<b>4.1800e-003</b>	<b>0.0592</b>	<b>1.8000e-004</b>	<b>0.0224</b>	<b>1.2000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>		<b>18.0990</b>	<b>18.0990</b>	<b>4.4000e-004</b>	<b>4.5000e-004</b>	<b>18.2430</b>



1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**3.7 Architectural Coating - 2024**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.6790					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>10.8598</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3100e-003	4.1800e-003	0.0592	1.8000e-004	0.0224	1.2000e-004	0.0225	5.9300e-003	1.1000e-004	6.0400e-003		18.0990	18.0990	4.4000e-004	4.5000e-004	18.2430
<b>Total</b>	<b>6.3100e-003</b>	<b>4.1800e-003</b>	<b>0.0592</b>	<b>1.8000e-004</b>	<b>0.0224</b>	<b>1.2000e-004</b>	<b>0.0225</b>	<b>5.9300e-003</b>	<b>1.1000e-004</b>	<b>6.0400e-003</b>		<b>18.0990</b>	<b>18.0990</b>	<b>4.4000e-004</b>	<b>4.5000e-004</b>	<b>18.2430</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.2028	0.1833	1.5327	2.7900e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		284.6893	284.6893	0.0255	0.0160	290.0936
Unmitigated	0.2028	0.1833	1.5327	2.7900e-003	0.2971	2.2400e-003	0.2994	0.0792	2.0800e-003	0.0813		284.6893	284.6893	0.0255	0.0160	290.0936

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Automobile Care Center	105.27	105.27	52.72	130,958	130,958
Total	105.27	105.27	52.72	130,958	130,958

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Automobile Care Center	16.60	8.40	6.90	33.00	48.00	19.00	21	51	28

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Automobile Care Center	0.542450	0.061470	0.185138	0.129299	0.023799	0.006448	0.011958	0.009209	0.000810	0.000503	0.024446	0.000751	0.003721

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
NaturalGas Unmitigated	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189

**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					
Automobile Care Center	1473.8	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
<b>Total</b>		<b>0.0159</b>	<b>0.1445</b>	<b>0.1214</b>	<b>8.7000e-004</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>		<b>173.3885</b>	<b>173.3885</b>	<b>3.3200e-003</b>	<b>3.1800e-003</b>	<b>174.4189</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**5.2 Energy by Land Use - Natural Gas**

Mitigated

	Natural Gas 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					
Automobile Care Center	1.4738	0.0159	0.1445	0.1214	8.7000e-004		0.0110	0.0110		0.0110	0.0110		173.3885	173.3885	3.3200e-003	3.1800e-003	174.4189
<b>Total</b>		<b>0.0159</b>	<b>0.1445</b>	<b>0.1214</b>	<b>8.7000e-004</b>		<b>0.0110</b>	<b>0.0110</b>		<b>0.0110</b>	<b>0.0110</b>		<b>173.3885</b>	<b>173.3885</b>	<b>3.3200e-003</b>	<b>3.1800e-003</b>	<b>174.4189</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
Unmitigated	0.6692	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**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	0.0761					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
<b>Total</b>	<b>0.6692</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>9.7000e-004</b>	<b>9.7000e-004</b>	<b>0.0000</b>		<b>1.0300e-003</b>

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not 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	0.0761					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.5931					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.0000e-005	0.0000	4.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000		9.7000e-004	9.7000e-004	0.0000		1.0300e-003
<b>Total</b>	<b>0.6692</b>	<b>0.0000</b>	<b>4.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>9.7000e-004</b>	<b>9.7000e-004</b>	<b>0.0000</b>		<b>1.0300e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

1501 N Brand (Carwash) - South Coast AQMD Air District, Winter

**EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied**

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**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**

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