

**Class 32 Categorical Exemption Findings**  
**424, 430 & 434 W. Milford Street, Glendale, CA 91203**

“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; (b) The proposed development occurs within city limits on a Project site of no more than five acres substantially surrounded by urban uses; (c) The Project site has no value, as habitat for endangered, rare or threatened species; (d) Approval of the Project would not result in any significant effects relating to traffic, noise, air quality, or water quality; (e) The site can be adequately served by all required utilities and public services.” (14 Cal. Code Regs. § 15332) (“CEQA Guidelines”).

**Project Description**

The applicant is seeking approval of a Density Bonus and Inclusionary Housing Plan for a new residential project at 424, 430, and 434 W. Milford Street. The applicant requests the density bonus, as well as three concessions, pursuant to California Government Code Sections 65915, et seq. (“Density Bonus Law”), which allows developers that seek and agree to provide at least 15 percent of the units in a housing development to very-low income households, a mandatory 50 percent density bonus, as well as three concessions. The Density Bonus and Inclusionary Housing Plan meets the requirements of the Density Bonus Law and Glendale Municipal Code (GMC) Section 30.36.050 because the project is providing 15 percent of the total base density units of the housing development as affordable units which will be restricted to very-low income households, as defined in Section 50105 of the Health and Safety Code.

The project involves the demolition of five existing residential structures on site and the construction of a new, four-story, 43-unit multi-family residential project totaling 30,665 square feet (SF), over a one-level, semi-subterranean parking structure containing 36 residential parking spaces. Pursuant to State and City Density Bonus Law, the project will provide eight (8) affordable units reserved for very-low income households. The project qualifies for reduced parking inclusive of guest and handicapped spaces, under the State Density Bonus Law and GMC 30.36.090. The Project’s unit mix includes twelve (12) studio units, twenty-seven (27) one-bedroom units and four (4) two-bedroom units and provides at least 40 square feet of private open space for each residential unit and 8,738 square feet of common open space for residential uses.

The 21,750 square-foot site is currently developed with five residential buildings. The 424 address is developed with two single-family units (front house built in 1922; rear house in 1920). The 430 address also contains two units (front house built in 1913;

rear house in 1953). The 434 address is developed with one single-family residence built in 1920. The site is located on the south side of Milford Street, in the R-1650 (Medium-High Density Residential) zone.

The proposed project would demolish the existing residential structures and garages in conjunction with the construction of the new four-story, 43-unit multi-family residential project totaling 30,665 SF and featuring eight (8) affordable units restricted to very-low income households. Parking will be provided on-site within an underground, one-level, semi-subterranean parking structure containing 36 residential parking spaces. The project is providing the required amount of parking per Glendale Municipal Code (GMC 30.32) and California Government Code Section 65915(p). Primary access to the building and the semi-subterranean parking will be from W. Milford Street.

The project site is approximately 0.3 miles west of Downtown Glendale surrounded by existing urban uses, including commercial and residential buildings. The Project Site is bordered by multi-family residential development directly to the south, east and west, and Columbus Elementary school to the north (across Milford Street).

**a. The Project is consistent with the applicable general plan designation and all applicable general plan policies as well as with the applicable zoning designation and regulations.**

The Land Use Element of the Glendale General Plan includes a goal to “Support the creation of higher density residential development and alternative forms of medium and high-density housing in those areas best suited from the standpoint of accessibility, current development, community organization, transportation and circulation facilities and economic feasibility” (Glendale General Plan Land Use Element, page 7). The Project is consistent with and helps achieve this goal by redeveloping the project site and building a new structure which will yield a total of 43 residential dwelling units with proximate access to public transportation to access neighborhood services daily. Moreover, the project will advance the goals and policies of the General Plan, Housing Element (2021-2029), including, but not limited to, Goal 1 (“A City with a Wide Range of Housing Types to Meet the Needs of Current and Future Residents), Goal 3 (“A City with Increased Opportunities for Affordable and Special Needs Housing Development) Housing Services that Address Groups with Special Housing Needs) and Policies 3.1 and 3.2 (“Encourage both the private and public sectors to produce or assist in the production of affordable housing for special needs groups such as: persons with disabilities, the elderly, large families, single-parent households, and formerly homeless) and (“Promote the development of extremely low, very low, low and moderate income housing by allowing developers density bonuses or other financial incentives for providing units for low and moderate income residents. The unit mix and location of affordable housing units in density bonus projects must be approved by the City and included in an affordable housing agreement.”). The proposed 43-unit residential development will be consistent with the other various elements and objectives of the General Plan.

The project site is located in the R-1650 (Medium High Density Residential) zone. The Land Use Element of the General Plan designates the project site as Medium High Density Residential. The Land Use Element is the most directly related to the approval of this use. All other elements of the General Plan will not be impacted as a result of the project. The subject site does not contain any historic resources and is not designated or slated for open space or recreational use and will operate in compliance with the Noise Element thresholds. The Safety Element does not identify any hazards associated with the site. The site is not within a hazard zone and the conditions placed on the proposed use will ensure the project does not contribute to local crime. The adjacent Milford Street can accommodate the traffic generated as a result of the project. The Circulation Element identifies W. Milford Street, west of Central Avenue, as a Local Street, which can accommodate the traffic generated as a result of the project. This street serves the residential needs of the immediate community, carrying low volumes of traffic to and from collectors and arterials. Additionally, the City's Traffic Engineer reviewed the Project and determined that no significant increase in traffic would occur as a result of the Project, as it would not generate a significant increase in the number of vehicle trips to and from the site. The project is consistent with its land use designation. Multi-family residential uses in the R-1650 (Medium-High Density Residential) zone is a permitted use in this zone and subject to the provisions of the R-1650 zone.

The Project is consistent with Zoning Code designations, standards and regulations, because the Zoning Code recognizes that waivers and incentives associated with density bonus projects are either statutorily allowed by right or may be granted where qualified. The Zoning Code allows one dwelling unit for every 1,650 square feet of lot area. Sites zoned R-1650 with more than 90 feet of frontage are permitted one (1) unit per 1,320 square feet, which permits a maximum residential density of 17 units per acre. Based on the zoning designation and the lot area (approximately 21,750 square feet), by right, the applicant has a base density of 17 units ( $21,750 / 1,320 = 16.45$  rounded up to 17). Applicant is entitled to a fifty percent (50%) density bonus by right because the applicant is restricting at least fifteen percent (15%) of the units for rent to very low income households, or three (3) very low income units (15 percent of the base density of  $17 = 2.55$  (rounded up to 3)). The applicant is seeking a one hundred fifty-two and nine tenths of a percent (152.9%) density bonus and will be providing a proportionate number of restricted units, calculated as eight (8) very low income units ( $((152.9\% \text{ divided by } 50\%) \times (15\% \text{ multiplied by the base density } (17))) = 7.79$  (rounded up to 8)) reserved for very low income households.

**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 in the R-1650 (Medium High Density Residential) zone, entirely within the City of Glendale boundary limits. The site is approximately 21,750 square feet (0.499 acres), which is less than five acres in size. The project site is substantially surrounded by existing similar and complimentary uses. Surrounding urban uses, including multi-family residential are located to the north, east and west of

the subject site. As the Public Resources Code (PRC) defines qualified urban use as “any residential, commercial, public institutional, transit or transportation passenger facility, or retail use, or any combination of those uses,” the Project Site is substantially surrounded by urban uses. (PRC § 21072.)

**c. The Project site has no value as habitat for endangered, rare or threatened species.**

The project site is fully developed with five existing residential uses built between 1913 and 1953. The project site is not currently a habitat for endangered, rare, or threatened species, and no documentation exists which identifies the project site as such. There are no protected trees on the project site. Therefore, the site does not contain or have value as a habitat for endangered, rare or threatened species.

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

The project would not result in any significant impacts related to traffic, noise, air quality or water quality.

Traffic

Parking for the project is provided within a one-level semi subterranean garage. Access to the 36-space, parking garage is on W. Milford Street via a driveway proposed at the eastern portion of the site.

Based on the attached trip generation estimates conducted by staff, the proposed project is estimated to generate fewer than 50 net peak-hour trips, thus, no Traffic Impact Analysis is required. A summary of the results are attached hereto as Attachment “1”.

Vehicle Miles Traveled

In 2018, the State of California amended the California Environmental Quality Act (CEQA) Guidelines Appendix G question for transportation impacts to delete reference to vehicle delay and level of service and instead refer to Section 15064.3, subdivision (b)(1) of the CEQA Guidelines asking if the Project will result in a substantial increase in VMT. Accordingly, the City of Glendale adopted VMT as the metric for assessing transportation impacts for land use Projects. To comply with the requirements of the California Environmental Quality Act (CEQA) and Senate Bill 743 (SB 743), development projects in the City of Glendale must conduct vehicle miles traveled (VMT) analysis to evaluate a project’s potential significant impacts. The City has prepared Transportation Analysis (TIA) Guidelines, to provide guidance on whether a project can be screened out of a detailed VMT analysis, or if the applicant would need to perform a detailed VMT analysis. The guidelines include detailed guidance for conducting an SB 743-consistent transportation impact analysis of VMT as well as

assessing significant impacts related to public transit, pedestrians, bicyclists, hazards/design features, and emergency access.

The project is not required to prepare a detailed Vehicle Miles Traveled (VMT) analysis because according to Section 2.1.2.1 of the City's Transportation Analysis Guidelines, projects that generate fewer than 145 daily vehicle trips can be presumed to cause a less-than-significant transportation impact and would not require a detailed VMT analysis; which is based on the proposed project's total uses without taking a credit for existing uses. As proposed, the project is considered a small project, which is estimated to generate less than 50 net peak-hour trips and is thus screened out of the requirement to prepare a detailed VMT analysis. The project would have a less-than-significant VMT impact.

### Noise

The project is located in a developed urban area. The surrounding neighborhood is developed with residential dwellings to the north, east, and west of the subject site. The proposed project would generate similar if not the same noise as other residential uses in the area. As a result, the project would not add substantial operational noise that would be audible above existing conditions.

A temporary periodic increase in ambient noise would occur during construction activities associated with the proposed project. Noise from the construction activities would be generated by vehicles and equipment involved during various stages of construction operations: site grading, foundation, and building construction. The noise levels created by construction equipment would vary depending on factors such as the type of equipment and the specific model, the mechanical/operational condition of the equipment, and the type of operation being performed. However, all development within the project site will be required to comply with the City of Glendale Noise Ordinance (Municipal Code Chapter 8.36), which prohibits construction activities to between the hours of 7:00 p.m. on one day and 7:00 a.m. of the next day or from 7:00 p.m. on Saturday to 7:00 a.m. on Monday or from 7:00 p.m. preceding a holiday.

The proposed project would have a minimal effect on the noise environment in proximity to the project site. Noise generated by the proposed project would result primarily from visitors, off-site traffic, and heating, ventilation, and air conditioning (HVAC) equipment. However, the proposed project's mechanical equipment would need to comply with the City's Noise Ordinance, which establishes maximum permitted noise levels from mechanical equipment. The project would be constructed to reduce interior noise to acceptable levels as required by the building code, and the project is not anticipated to generate noise in excess of limits contained in the Noise Element. The project's compliance with the City's Noise Ordinance would ensure that noise levels from building mechanical equipment would not exceed thresholds of significance.

The proposed project would be constructed using typical construction techniques and would not require the use of pile driving for construction, thus reducing significant vibration impacts. Heavy construction equipment (e.g., bulldozer and excavator) would generate a limited amount of ground-borne vibration during construction activities at short distances away from the source. The use of equipment would be limited to a few hours spread over several days during grading and excavation activities. As such, ground-borne vibration and noise levels associated with the proposed project would be less than significant.

### 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 hereto as Attachment "2".

### Water Quality

Implementation of the proposed project will require compliance with all the National Pollutant Discharge Elimination System (NPDES) requirements including the submittal and certification of plans and details showing both construction and post-construction Best Management Practices (BMPs) that are integrated into the design of the project. The submittal of a Standard Urban Stormwater Mitigation Plan (SUSMP), as approved by the City Engineer, will also be required to be integrated into the design of the project. Therefore, implementation of the proposed project is not expected to violate any water quality standards or wastewater discharge requirements since the project will be required to comply with applicable permitting requirements.

Because the proposed infill development would redevelop land that is fully developed with urban uses, construction would not impact water flows or water quality. The Project would comply with the City's Low Impact Development (LID) Guidelines set forth in Chapter 13.43 of the GMC and with applicable state and federal regulations. Such LID standards are designed to minimize the impervious area footprint, prevent pollutants of concern from leaving the development site in stormwater as the result of storms, and minimize hydromodification impacts to natural drainage systems. (GMC § 13.43.040(A)). Compliance with these regulations will ensure that the Project would not result in a significant impact to water quality. Existing utilities would provide water supplies and wastewater treatment services to the subject property.

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

There will not be a considerable increase in demand for services or utilities due to project implementation. The project would be located in an existing urban area with existing buildings that have been adequately served by existing public utilities and

services. All new construction on site will be served by the same existing public utilities and services. These services include water, electricity, solid waste collection and sewer services provided by the City of Glendale. Accordingly, the Project will be adequately served by all required utilities and public services.

### **Exceptions to Categorical Exemptions (CEQA Guidelines Section 15300.2)**

#### **Proposed Findings**

- a. Location. Classes 3, 4, 5, 6, and 11 are qualified by consideration of where the project is to be located a Project that is ordinarily insignificant in its impact on the environment may in a particularly sensitive environment be significant. Therefore, these classes are considered to apply in all instances, except where the Project may impact on an environmental resource of hazardous or critical concern where designated, precisely mapped, and officially adopted pursuant to law by federal, state, or local agencies.**

Because the Project is relying on Class 32 exemption, this exception does not apply.

- b. Cumulative Impact. All exemptions for these classes are inapplicable when the cumulative impact of successive Projects of the same type in the same place, over time is significant.**

There is not a succession of known projects of the same type located in the same place as the subject project. Since this project qualifies for a Class 32 Categorical Exemption and is subject to Regulatory Compliance Measures, no cumulative impacts are anticipated. Further, the proposed 43-unit multi-family residential development does not exceed thresholds identified for impacts to the area (including noise, traffic, and air quality) and will not result in significant cumulative impacts.

- 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.**

The project proposes a 43-unit multi-family residential project in an area zoned and designated for such use. Other similarly situated sites could be developed in the same manner and there is nothing unusual about the project site. Adjacent and nearby lots are developed with residential buildings and a public elementary school and parking lot across the street to the north. No unusual circumstances are present or foreseeable.

- d. Scenic Highways. A categorical exemption shall not be used for a Project which may result in damage to scenic resources, including but not limited to, trees, historic buildings, rock outcroppings, or similar resources, within a highway officially designated as a state scenic highway.**

The project site is located in an urban environment surrounded by urban development. The site is bordered by Doran Street to the North, Lexington Drive to the South, Columbus Avenue to the East, and Pacific Avenue to the West. The project site is surrounded by existing urban uses, including residential buildings and a public elementary school. According to information on the California Department of Transportation's State Scenic Highway Program, there are no state scenic highways in the vicinity of the project site.

- e. Hazardous Waste Sites. A categorical exemption shall not be used for a Project located on a site which is included on any list compiled pursuant to Section 65962.5 of the Government Code.**

The project site is developed and is not within a designated hazardous site. The project site is not located on the California Department of Toxic Substances Control's Hazardous Waste and Substances Site List-Site Cleanup (Cortese List), nor is it listed on the EnvironStor database. Further, the project site is not on the following lists maintained by the State Water Board: Leaking Underground Storage Tank Sites, Solid Waste Disposal Sites, or Active Cease and Desist Orders and Cleanup and Abatement Orders. The project site is also not identified on the list of hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code, identified by the Department of Toxic Substances Control.

- f. Historical Resources. A categorical exemption shall not be used for a Project which may cause a substantial adverse change in the significance of a historical resource.**

The properties at 424, 430 & 434 W. Milford Street are not listed on the National Register of Historic Places, California Register of Historical Resources, or Glendale Register of Historic Resources. The South Glendale Historic Resource Survey (2019) assessed the structures on these properties and found that none of the structures are eligible for listing in the Glendale Register (California Historic Resource Status Code 6Z) and therefore not considered historic resources under CEQA. Professional planning staff, including staff with expertise in evaluating historic resources, have provided further analysis, including review of the rear portions of the properties that were not accessed during the 2019 survey, and found the rear houses and garages do not qualify as historic resources because none of the findings that would qualify the properties for listing on the Glendale Register pursuant to GMC §15.20.050 (Findings for listing resources in the Glendale Register of Historic Resources), can be made, and therefore these properties are not considered historic resources. Specifically, the properties are not:



A. Identified with important events in national, state, or city history, or exemplifies significant contributions to the broad cultural, political, economic, social, tribal, or historic heritage of the nation, state, or city, and do not retain historic integrity.

B. Associated with a person, persons, or groups who significantly contributed to the history of the nation, state, region, or city, and retain historic integrity.

C. Embodiments of the distinctive and exemplary characteristics of an architectural style, architectural type, period, or method of construction; and do not represent notable work of a master designer, builder or architect whose genius influenced his or her profession; do not possesses high artistic values or retain historic integrity.

D. Properties that have yielded, or have the potential to yield, information important to archaeological pre-history or history of the nation, state, region, or city, and retains historic integrity.

ATTACHMENTS:

1. Trip generation estimates
2. California Emissions Estimator Module

**Table 1**  
**Preliminary Project Trip Generation [1]**  
**424-434 Milford St**

Land Use: (ITE CODE)	Size	Daily Trips	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
<b>Proposed Project</b> Multifamily Housing (Mid-Rise)	43 DU	195	4	12	16	10	7	17

<b>Local Transportation Analysis May Be Required (<math>\geq</math> 50 Peak Hour Trips)?*</b>	<b>NO</b>
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[1] Rates and Numbers based on the 11th Edition of the ITE Trip Generation Manual

\* If YES, applicant must conduct a trip generation study using any trip reductions as applicable to the project to determine if LTA required.

424 430 434 West Milford 43 Unit DB Project - 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

424 430 434 West Milford 43 Unit DB Project  
South Coast AQMD Air District, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	43.00	Dwelling Unit	0.48	30,665.00	123
Unenclosed Parking with Elevator	36.00	Space	0.01	16,321.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2026
Utility Company	Glendale Water and Power				
CO2 Intensity (lb/MW hr)	948.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construct 4-story, 43 unit, 30,665 SF multifamily building with a 36 parking space 16,321 SF semi-subterranean garage on a 21,750 SF property. Demo includes a 424 W Milford (1,202SF, plus 768 SF), 430 W Milford (1,012 SF plus 804SF) and 434 W Milford (1,362 SF).

Land Use - Land use types include, i) 43 dwelling units on a 21,750 SF lot (0.49 acre) (86 units per acre - which is defined as a Apartments High Rise by CalEEMod guide), ii) 16,321 SF semi-subterranean garage with an elevator below the upper floor areas.

Construction Phase - Demo: 2 months, Site Prep: 1 month, Grading: 1 month, Construction: 12 months, paving 1 month and architectural finishes 3 months.

Grading - Grading 4,760 CY cut; 132 CY fill.

Demolition - Demo includes a 424 W Milford (1,202SF, plus 768 SF), 430 W Milford (1,012 SF plus 804SF) and 434 W Milford (1,362 SF)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	7/22/2024	8/8/2025
tblConstructionPhase	PhaseEndDate	7/8/2024	6/4/2025
tblConstructionPhase	PhaseEndDate	2/14/2024	4/1/2024

## 424 430 434 West Milford 43 Unit DB Project - 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	PhaseEndDate	2/19/2024	6/3/2024
tblConstructionPhase	PhaseEndDate	7/15/2024	7/11/2025
tblConstructionPhase	PhaseEndDate	2/15/2024	5/1/2024
tblConstructionPhase	PhaseStartDate	7/16/2024	6/12/2025
tblConstructionPhase	PhaseStartDate	2/20/2024	6/4/2024
tblConstructionPhase	PhaseStartDate	2/16/2024	5/2/2024
tblConstructionPhase	PhaseStartDate	7/9/2024	6/5/2025
tblConstructionPhase	PhaseStartDate	2/15/2024	4/2/2024
tblLandUse	LandUseSquareFeet	43,000.00	30,665.00
tblLandUse	LandUseSquareFeet	14,400.00	16,321.00
tblLandUse	LotAcreage	0.69	0.48
tblLandUse	LotAcreage	0.32	0.01
tblTripsAndVMT	HaulingTripNumber	0.00	578.00

**2.0 Emissions Summary**

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## 424 430 434 West Milford 43 Unit DB Project - 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					
2024	0.0911	1.1997	1.0218	3.6800e-003	0.1747	0.0369	0.2116	0.0581	0.0343	0.0924	0.0000	347.6628	347.6628	0.0479	0.0322	358.4438
2025	0.8740	0.4144	0.5998	1.1400e-003	0.0301	0.0177	0.0478	8.0500e-003	0.0164	0.0244	0.0000	100.6975	100.6975	0.0227	1.4600e-003	101.6984
<b>Maximum</b>	<b>0.8740</b>	<b>1.1997</b>	<b>1.0218</b>	<b>3.6800e-003</b>	<b>0.1747</b>	<b>0.0369</b>	<b>0.2116</b>	<b>0.0581</b>	<b>0.0343</b>	<b>0.0924</b>	<b>0.0000</b>	<b>347.6628</b>	<b>347.6628</b>	<b>0.0479</b>	<b>0.0322</b>	<b>358.4438</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					
2024	0.0911	1.1997	1.0218	3.6800e-003	0.1747	0.0369	0.2116	0.0581	0.0343	0.0924	0.0000	347.6627	347.6627	0.0479	0.0322	358.4437
2025	0.8740	0.4144	0.5998	1.1400e-003	0.0301	0.0177	0.0478	8.0500e-003	0.0164	0.0244	0.0000	100.6974	100.6974	0.0227	1.4600e-003	101.6983
<b>Maximum</b>	<b>0.8740</b>	<b>1.1997</b>	<b>1.0218</b>	<b>3.6800e-003</b>	<b>0.1747</b>	<b>0.0369</b>	<b>0.2116</b>	<b>0.0581</b>	<b>0.0343</b>	<b>0.0924</b>	<b>0.0000</b>	<b>347.6627</b>	<b>347.6627</b>	<b>0.0479</b>	<b>0.0322</b>	<b>358.4437</b>

## 424 430 434 West Milford 43 Unit DB Project - 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	2-1-2024	4-30-2024	0.2038	0.2038
2	5-1-2024	7-31-2024	0.6929	0.6929
3	8-1-2024	10-31-2024	0.2309	0.2309
4	11-1-2024	1-31-2025	0.2253	0.2253
5	2-1-2025	4-30-2025	0.2060	0.2060
6	5-1-2025	7-31-2025	0.8800	0.8800
7	8-1-2025	9-30-2025	0.1161	0.1161
		Highest	0.8800	0.8800

## 424 430 434 West Milford 43 Unit DB Project - 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****2.2 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	0.2759	0.0163	0.7168	7.2000e-004		0.0435	0.0435		0.0435	0.0435	4.5674	9.5023	14.0697	0.0143	3.1000e-004	14.5200
Energy	2.4900e-003	0.0213	9.0700e-003	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	109.5841	109.5841	3.4300e-003	8.1000e-004	109.9112
Mobile	0.0897	0.1056	0.9207	2.1100e-003	0.2400	1.5200e-003	0.2415	0.0641	1.4100e-003	0.0655	0.0000	195.2517	195.2517	0.0125	8.6000e-003	198.1279
Waste						0.0000	0.0000		0.0000	0.0000	4.0152	0.0000	4.0152	0.2373	0.0000	9.9474
Water						0.0000	0.0000		0.0000	0.0000	0.8888	24.1495	25.0383	0.0921	2.2600e-003	28.0143
<b>Total</b>	<b>0.3680</b>	<b>0.1431</b>	<b>1.6466</b>	<b>2.9700e-003</b>	<b>0.2400</b>	<b>0.0468</b>	<b>0.2868</b>	<b>0.0641</b>	<b>0.0467</b>	<b>0.1107</b>	<b>9.4714</b>	<b>338.4876</b>	<b>347.9590</b>	<b>0.3597</b>	<b>0.0120</b>	<b>360.5208</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****2.2 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	0.2759	0.0163	0.7168	7.2000e-004		0.0435	0.0435		0.0435	0.0435	4.5674	9.5023	14.0697	0.0143	3.1000e-004	14.5200
Energy	2.4900e-003	0.0213	9.0700e-003	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	109.5841	109.5841	3.4300e-003	8.1000e-004	109.9112
Mobile	0.0897	0.1056	0.9207	2.1100e-003	0.2400	1.5200e-003	0.2415	0.0641	1.4100e-003	0.0655	0.0000	195.2517	195.2517	0.0125	8.6000e-003	198.1279
Waste						0.0000	0.0000		0.0000	0.0000	4.0152	0.0000	4.0152	0.2373	0.0000	9.9474
Water						0.0000	0.0000		0.0000	0.0000	0.8888	24.1495	25.0383	0.0921	2.2600e-003	28.0143
<b>Total</b>	<b>0.3680</b>	<b>0.1431</b>	<b>1.6466</b>	<b>2.9700e-003</b>	<b>0.2400</b>	<b>0.0468</b>	<b>0.2868</b>	<b>0.0641</b>	<b>0.0467</b>	<b>0.1107</b>	<b>9.4714</b>	<b>338.4876</b>	<b>347.9590</b>	<b>0.3597</b>	<b>0.0120</b>	<b>360.5208</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	2/1/2024	4/1/2024	5	10	
2	Site Preparation	Site Preparation	4/2/2024	5/1/2024	5	1	
3	Grading	Grading	5/2/2024	6/3/2024	5	2	



424 430 434 West Milford 43 Unit DB Project - 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**

4	Building Construction	Building Construction	6/4/2024	6/4/2025	5	100
5	Paving	Paving	6/5/2025	7/11/2025	5	5
6	Architectural Coating	Architectural Coating	6/12/2025	8/8/2025	5	5

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 1.5****Acres of Paving: 0.01****Residential Indoor: 62,097; Residential Outdoor: 20,699; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 979 (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

## 424 430 434 West Milford 43 Unit DB Project - 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****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
Demolition	4	10.00	0.00	23.00	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
Grading	3	8.00	0.00	578.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	38.00	7.00	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
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction****3.2 Demolition - 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					
Fugitive Dust					0.0109	0.0000	0.0109	1.6500e-003	0.0000	1.6500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.1178	0.1590	2.6000e-004		5.3800e-003	5.3800e-003		5.1400e-003	5.1400e-003	0.0000	22.4045	22.4045	4.0600e-003	0.0000	22.5060
<b>Total</b>	<b>0.0132</b>	<b>0.1178</b>	<b>0.1590</b>	<b>2.6000e-004</b>	<b>0.0109</b>	<b>5.3800e-003</b>	<b>0.0163</b>	<b>1.6500e-003</b>	<b>5.1400e-003</b>	<b>6.7900e-003</b>	<b>0.0000</b>	<b>22.4045</b>	<b>22.4045</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>22.5060</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****3.2 Demolition - 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	1.0000e-004	6.3100e-003	1.7100e-003	3.0000e-005	8.5000e-004	5.0000e-005	9.0000e-004	2.3000e-004	4.0000e-005	2.8000e-004	0.0000	2.7816	2.7816	1.6000e-004	4.4000e-004	2.9173
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.6000e-004	6.5400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.7921	1.7921	4.0000e-005	4.0000e-005	1.8063
<b>Total</b>	<b>7.3000e-004</b>	<b>6.7700e-003</b>	<b>8.2500e-003</b>	<b>5.0000e-005</b>	<b>3.2100e-003</b>	<b>6.0000e-005</b>	<b>3.2700e-003</b>	<b>8.6000e-004</b>	<b>5.0000e-005</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>4.5737</b>	<b>4.5737</b>	<b>2.0000e-004</b>	<b>4.8000e-004</b>	<b>4.7236</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					0.0109	0.0000	0.0109	1.6500e-003	0.0000	1.6500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0132	0.1178	0.1590	2.6000e-004		5.3800e-003	5.3800e-003		5.1400e-003	5.1400e-003	0.0000	22.4045	22.4045	4.0600e-003	0.0000	22.5059
<b>Total</b>	<b>0.0132</b>	<b>0.1178</b>	<b>0.1590</b>	<b>2.6000e-004</b>	<b>0.0109</b>	<b>5.3800e-003</b>	<b>0.0163</b>	<b>1.6500e-003</b>	<b>5.1400e-003</b>	<b>6.7900e-003</b>	<b>0.0000</b>	<b>22.4045</b>	<b>22.4045</b>	<b>4.0600e-003</b>	<b>0.0000</b>	<b>22.5059</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****3.2 Demolition - 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	1.0000e-004	6.3100e-003	1.7100e-003	3.0000e-005	8.5000e-004	5.0000e-005	9.0000e-004	2.3000e-004	4.0000e-005	2.8000e-004	0.0000	2.7816	2.7816	1.6000e-004	4.4000e-004	2.9173
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.3000e-004	4.6000e-004	6.5400e-003	2.0000e-005	2.3600e-003	1.0000e-005	2.3700e-003	6.3000e-004	1.0000e-005	6.4000e-004	0.0000	1.7921	1.7921	4.0000e-005	4.0000e-005	1.8063
<b>Total</b>	<b>7.3000e-004</b>	<b>6.7700e-003</b>	<b>8.2500e-003</b>	<b>5.0000e-005</b>	<b>3.2100e-003</b>	<b>6.0000e-005</b>	<b>3.2700e-003</b>	<b>8.6000e-004</b>	<b>5.0000e-005</b>	<b>9.2000e-004</b>	<b>0.0000</b>	<b>4.5737</b>	<b>4.5737</b>	<b>2.0000e-004</b>	<b>4.8000e-004</b>	<b>4.7236</b>

**3.3 Site Preparation - 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					
Fugitive Dust					5.8300e-003	0.0000	5.8300e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0616	0.0428	1.1000e-004		2.2100e-003	2.2100e-003		2.0400e-003	2.0400e-003	0.0000	9.4030	9.4030	3.0400e-003	0.0000	9.4790
<b>Total</b>	<b>5.4800e-003</b>	<b>0.0616</b>	<b>0.0428</b>	<b>1.1000e-004</b>	<b>5.8300e-003</b>	<b>2.2100e-003</b>	<b>8.0400e-003</b>	<b>6.3000e-004</b>	<b>2.0400e-003</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>9.4030</b>	<b>9.4030</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>9.4790</b>

424 430 434 West Milford 43 Unit DB Project - 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****3.3 Site Preparation - 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	1.6000e-004	1.2000e-004	1.6700e-003	0.0000	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4584	0.4584	1.0000e-005	1.0000e-005	0.4621
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4584</b>	<b>0.4584</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4621</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					5.8300e-003	0.0000	5.8300e-003	6.3000e-004	0.0000	6.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.4800e-003	0.0616	0.0428	1.1000e-004		2.2100e-003	2.2100e-003		2.0400e-003	2.0400e-003	0.0000	9.4030	9.4030	3.0400e-003	0.0000	9.4790
<b>Total</b>	<b>5.4800e-003</b>	<b>0.0616</b>	<b>0.0428</b>	<b>1.1000e-004</b>	<b>5.8300e-003</b>	<b>2.2100e-003</b>	<b>8.0400e-003</b>	<b>6.3000e-004</b>	<b>2.0400e-003</b>	<b>2.6700e-003</b>	<b>0.0000</b>	<b>9.4030</b>	<b>9.4030</b>	<b>3.0400e-003</b>	<b>0.0000</b>	<b>9.4790</b>

424 430 434 West Milford 43 Unit DB Project - 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****3.3 Site Preparation - 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	1.6000e-004	1.2000e-004	1.6700e-003	0.0000	6.0000e-004	0.0000	6.1000e-004	1.6000e-004	0.0000	1.6000e-004	0.0000	0.4584	0.4584	1.0000e-005	1.0000e-005	0.4621
<b>Total</b>	<b>1.6000e-004</b>	<b>1.2000e-004</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>6.1000e-004</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.4584</b>	<b>0.4584</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>0.4621</b>

**3.4 Grading - 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					
Fugitive Dust					0.0611	0.0000	0.0611	0.0295	0.0000	0.0295	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.1119	0.0638	1.6000e-004		4.6000e-003	4.6000e-003		4.2300e-003	4.2300e-003	0.0000	14.2370	14.2370	4.6000e-003	0.0000	14.3521
<b>Total</b>	<b>0.0105</b>	<b>0.1119</b>	<b>0.0638</b>	<b>1.6000e-004</b>	<b>0.0611</b>	<b>4.6000e-003</b>	<b>0.0657</b>	<b>0.0295</b>	<b>4.2300e-003</b>	<b>0.0338</b>	<b>0.0000</b>	<b>14.2370</b>	<b>14.2370</b>	<b>4.6000e-003</b>	<b>0.0000</b>	<b>14.3521</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****3.4 Grading - 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	6.9100e-003	0.4239	0.1151	1.8700e-003	0.0572	3.0400e-003	0.0602	0.0157	2.9100e-003	0.0186	0.0000	186.9523	186.9523	0.0106	0.0297	196.0704
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.0000e-004	2.8000e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7668	0.7668	2.0000e-005	2.0000e-005	0.7729
<b>Total</b>	<b>7.1800e-003</b>	<b>0.4241</b>	<b>0.1179</b>	<b>1.8800e-003</b>	<b>0.0582</b>	<b>3.0500e-003</b>	<b>0.0613</b>	<b>0.0160</b>	<b>2.9200e-003</b>	<b>0.0189</b>	<b>0.0000</b>	<b>187.7191</b>	<b>187.7191</b>	<b>0.0106</b>	<b>0.0297</b>	<b>196.8433</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					0.0611	0.0000	0.0611	0.0295	0.0000	0.0295	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0105	0.1119	0.0638	1.6000e-004		4.6000e-003	4.6000e-003		4.2300e-003	4.2300e-003	0.0000	14.2370	14.2370	4.6000e-003	0.0000	14.3521
<b>Total</b>	<b>0.0105</b>	<b>0.1119</b>	<b>0.0638</b>	<b>1.6000e-004</b>	<b>0.0611</b>	<b>4.6000e-003</b>	<b>0.0657</b>	<b>0.0295</b>	<b>4.2300e-003</b>	<b>0.0338</b>	<b>0.0000</b>	<b>14.2370</b>	<b>14.2370</b>	<b>4.6000e-003</b>	<b>0.0000</b>	<b>14.3521</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****3.4 Grading - 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	6.9100e-003	0.4239	0.1151	1.8700e-003	0.0572	3.0400e-003	0.0602	0.0157	2.9100e-003	0.0186	0.0000	186.9523	186.9523	0.0106	0.0297	196.0704
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.0000e-004	2.8000e-003	1.0000e-005	1.0100e-003	1.0000e-005	1.0100e-003	2.7000e-004	1.0000e-005	2.7000e-004	0.0000	0.7668	0.7668	2.0000e-005	2.0000e-005	0.7729
<b>Total</b>	<b>7.1800e-003</b>	<b>0.4241</b>	<b>0.1179</b>	<b>1.8800e-003</b>	<b>0.0582</b>	<b>3.0500e-003</b>	<b>0.0613</b>	<b>0.0160</b>	<b>2.9200e-003</b>	<b>0.0189</b>	<b>0.0000</b>	<b>187.7191</b>	<b>187.7191</b>	<b>0.0106</b>	<b>0.0297</b>	<b>196.8433</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	0.0449	0.4510	0.5336	8.6000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	75.6830	75.6830	0.0245	0.0000	76.2950
<b>Total</b>	<b>0.0449</b>	<b>0.4510</b>	<b>0.5336</b>	<b>8.6000e-004</b>		<b>0.0213</b>	<b>0.0213</b>		<b>0.0196</b>	<b>0.0196</b>	<b>0.0000</b>	<b>75.6830</b>	<b>75.6830</b>	<b>0.0245</b>	<b>0.0000</b>	<b>76.2950</b>



## 424 430 434 West Milford 43 Unit DB Project - 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****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	5.6000e-004	0.0202	7.5400e-003	9.0000e-005	3.3300e-003	1.1000e-004	3.4500e-003	9.6000e-004	1.1000e-004	1.0700e-003	0.0000	9.2706	9.2706	3.2000e-004	1.3500e-003	9.6793
Worker	8.3600e-003	6.1400e-003	0.0872	2.6000e-004	0.0315	1.7000e-004	0.0317	8.3600e-003	1.6000e-004	8.5200e-003	0.0000	23.9134	23.9134	5.7000e-004	5.9000e-004	24.1035
<b>Total</b>	<b>8.9200e-003</b>	<b>0.0264</b>	<b>0.0948</b>	<b>3.5000e-004</b>	<b>0.0348</b>	<b>2.8000e-004</b>	<b>0.0351</b>	<b>9.3200e-003</b>	<b>2.7000e-004</b>	<b>9.5900e-003</b>	<b>0.0000</b>	<b>33.1840</b>	<b>33.1840</b>	<b>8.9000e-004</b>	<b>1.9400e-003</b>	<b>33.7828</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	0.0449	0.4510	0.5336	8.6000e-004		0.0213	0.0213		0.0196	0.0196	0.0000	75.6829	75.6829	0.0245	0.0000	76.2949
<b>Total</b>	<b>0.0449</b>	<b>0.4510</b>	<b>0.5336</b>	<b>8.6000e-004</b>		<b>0.0213</b>	<b>0.0213</b>		<b>0.0196</b>	<b>0.0196</b>	<b>0.0000</b>	<b>75.6829</b>	<b>75.6829</b>	<b>0.0245</b>	<b>0.0000</b>	<b>76.2949</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****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	5.6000e-004	0.0202	7.5400e-003	9.0000e-005	3.3300e-003	1.1000e-004	3.4500e-003	9.6000e-004	1.1000e-004	1.0700e-003	0.0000	9.2706	9.2706	3.2000e-004	1.3500e-003	9.6793
Worker	8.3600e-003	6.1400e-003	0.0872	2.6000e-004	0.0315	1.7000e-004	0.0317	8.3600e-003	1.6000e-004	8.5200e-003	0.0000	23.9134	23.9134	5.7000e-004	5.9000e-004	24.1035
<b>Total</b>	<b>8.9200e-003</b>	<b>0.0264</b>	<b>0.0948</b>	<b>3.5000e-004</b>	<b>0.0348</b>	<b>2.8000e-004</b>	<b>0.0351</b>	<b>9.3200e-003</b>	<b>2.7000e-004</b>	<b>9.5900e-003</b>	<b>0.0000</b>	<b>33.1840</b>	<b>33.1840</b>	<b>8.9000e-004</b>	<b>1.9400e-003</b>	<b>33.7828</b>

**3.5 Building Construction - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0306	0.3043	0.3901	6.3000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	55.6641	55.6641	0.0180	0.0000	56.1142
<b>Total</b>	<b>0.0306</b>	<b>0.3043</b>	<b>0.3901</b>	<b>6.3000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>55.6641</b>	<b>55.6641</b>	<b>0.0180</b>	<b>0.0000</b>	<b>56.1142</b>

424 430 434 West Milford 43 Unit DB Project - 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****3.5 Building Construction - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0148	5.4600e-003	7.0000e-005	2.4500e-003	8.0000e-005	2.5300e-003	7.1000e-004	8.0000e-005	7.9000e-004	0.0000	6.6907	6.6907	2.3000e-004	9.7000e-004	6.9861
Worker	5.7600e-003	4.0500e-003	0.0598	1.9000e-004	0.0231	1.2000e-004	0.0233	6.1500e-003	1.1000e-004	6.2600e-003	0.0000	16.9805	16.9805	3.8000e-004	4.1000e-004	17.1108
<b>Total</b>	<b>6.1600e-003</b>	<b>0.0189</b>	<b>0.0652</b>	<b>2.6000e-004</b>	<b>0.0256</b>	<b>2.0000e-004</b>	<b>0.0258</b>	<b>6.8600e-003</b>	<b>1.9000e-004</b>	<b>7.0500e-003</b>	<b>0.0000</b>	<b>23.6711</b>	<b>23.6711</b>	<b>6.1000e-004</b>	<b>1.3800e-003</b>	<b>24.0969</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	0.0306	0.3043	0.3901	6.3000e-004		0.0134	0.0134		0.0123	0.0123	0.0000	55.6641	55.6641	0.0180	0.0000	56.1141
<b>Total</b>	<b>0.0306</b>	<b>0.3043</b>	<b>0.3901</b>	<b>6.3000e-004</b>		<b>0.0134</b>	<b>0.0134</b>		<b>0.0123</b>	<b>0.0123</b>	<b>0.0000</b>	<b>55.6641</b>	<b>55.6641</b>	<b>0.0180</b>	<b>0.0000</b>	<b>56.1141</b>

424 430 434 West Milford 43 Unit DB Project - 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****3.5 Building Construction - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.0000e-004	0.0148	5.4600e-003	7.0000e-005	2.4500e-003	8.0000e-005	2.5300e-003	7.1000e-004	8.0000e-005	7.9000e-004	0.0000	6.6907	6.6907	2.3000e-004	9.7000e-004	6.9861
Worker	5.7600e-003	4.0500e-003	0.0598	1.9000e-004	0.0231	1.2000e-004	0.0233	6.1500e-003	1.1000e-004	6.2600e-003	0.0000	16.9805	16.9805	3.8000e-004	4.1000e-004	17.1108
<b>Total</b>	<b>6.1600e-003</b>	<b>0.0189</b>	<b>0.0652</b>	<b>2.6000e-004</b>	<b>0.0256</b>	<b>2.0000e-004</b>	<b>0.0258</b>	<b>6.8600e-003</b>	<b>1.9000e-004</b>	<b>7.0500e-003</b>	<b>0.0000</b>	<b>23.6711</b>	<b>23.6711</b>	<b>6.1000e-004</b>	<b>1.3800e-003</b>	<b>24.0969</b>

**3.6 Paving - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	7.6100e-003	0.0664	0.0949	1.5000e-004		2.9500e-003	2.9500e-003		2.7600e-003	2.7600e-003	0.0000	12.6912	12.6912	3.7000e-003	0.0000	12.7836
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>7.6100e-003</b>	<b>0.0664</b>	<b>0.0949</b>	<b>1.5000e-004</b>		<b>2.9500e-003</b>	<b>2.9500e-003</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>12.6912</b>	<b>12.6912</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>12.7836</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****3.6 Paving - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.7000e-004	6.8900e-003	2.0000e-005	2.6700e-003	1.0000e-005	2.6800e-003	7.1000e-004	1.0000e-005	7.2000e-004	0.0000	1.9565	1.9565	4.0000e-005	5.0000e-005	1.9715
<b>Total</b>	<b>6.6000e-004</b>	<b>4.7000e-004</b>	<b>6.8900e-003</b>	<b>2.0000e-005</b>	<b>2.6700e-003</b>	<b>1.0000e-005</b>	<b>2.6800e-003</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>1.9565</b>	<b>1.9565</b>	<b>4.0000e-005</b>	<b>5.0000e-005</b>	<b>1.9715</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	7.6100e-003	0.0664	0.0949	1.5000e-004		2.9500e-003	2.9500e-003		2.7600e-003	2.7600e-003	0.0000	12.6912	12.6912	3.7000e-003	0.0000	12.7836
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>7.6100e-003</b>	<b>0.0664</b>	<b>0.0949</b>	<b>1.5000e-004</b>		<b>2.9500e-003</b>	<b>2.9500e-003</b>		<b>2.7600e-003</b>	<b>2.7600e-003</b>	<b>0.0000</b>	<b>12.6912</b>	<b>12.6912</b>	<b>3.7000e-003</b>	<b>0.0000</b>	<b>12.7836</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****3.6 Paving - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.6000e-004	4.7000e-004	6.8900e-003	2.0000e-005	2.6700e-003	1.0000e-005	2.6800e-003	7.1000e-004	1.0000e-005	7.2000e-004	0.0000	1.9565	1.9565	4.0000e-005	5.0000e-005	1.9715
<b>Total</b>	<b>6.6000e-004</b>	<b>4.7000e-004</b>	<b>6.8900e-003</b>	<b>2.0000e-005</b>	<b>2.6700e-003</b>	<b>1.0000e-005</b>	<b>2.6800e-003</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>1.9565</b>	<b>1.9565</b>	<b>4.0000e-005</b>	<b>5.0000e-005</b>	<b>1.9715</b>

**3.7 Architectural Coating - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.8250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5900e-003	0.0241	0.0380	6.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	5.3618	5.3618	2.9000e-004	0.0000	5.3691
<b>Total</b>	<b>0.8285</b>	<b>0.0241</b>	<b>0.0380</b>	<b>6.0000e-005</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>5.3618</b>	<b>5.3618</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.3691</b>

424 430 434 West Milford 43 Unit DB Project - 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****3.7 Architectural Coating - 2025****Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	4.7600e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3526	1.3526	3.0000e-005	3.0000e-005	1.3630
<b>Total</b>	<b>4.6000e-004</b>	<b>3.2000e-004</b>	<b>4.7600e-003</b>	<b>1.0000e-005</b>	<b>1.8400e-003</b>	<b>1.0000e-005</b>	<b>1.8500e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.3526</b>	<b>1.3526</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3630</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	0.8250					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.5900e-003	0.0241	0.0380	6.0000e-005		1.0800e-003	1.0800e-003		1.0800e-003	1.0800e-003	0.0000	5.3618	5.3618	2.9000e-004	0.0000	5.3691
<b>Total</b>	<b>0.8285</b>	<b>0.0241</b>	<b>0.0380</b>	<b>6.0000e-005</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>		<b>1.0800e-003</b>	<b>1.0800e-003</b>	<b>0.0000</b>	<b>5.3618</b>	<b>5.3618</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>5.3691</b>

424 430 434 West Milford 43 Unit DB Project - 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****3.7 Architectural Coating - 2025****Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.6000e-004	3.2000e-004	4.7600e-003	1.0000e-005	1.8400e-003	1.0000e-005	1.8500e-003	4.9000e-004	1.0000e-005	5.0000e-004	0.0000	1.3526	1.3526	3.0000e-005	3.0000e-005	1.3630
<b>Total</b>	<b>4.6000e-004</b>	<b>3.2000e-004</b>	<b>4.7600e-003</b>	<b>1.0000e-005</b>	<b>1.8400e-003</b>	<b>1.0000e-005</b>	<b>1.8500e-003</b>	<b>4.9000e-004</b>	<b>1.0000e-005</b>	<b>5.0000e-004</b>	<b>0.0000</b>	<b>1.3526</b>	<b>1.3526</b>	<b>3.0000e-005</b>	<b>3.0000e-005</b>	<b>1.3630</b>

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



## 424 430 434 West Milford 43 Unit DB Project - 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
Category	tons/yr										MT/yr					
Mitigated	0.0897	0.1056	0.9207	2.1100e-003	0.2400	1.5200e-003	0.2415	0.0641	1.4100e-003	0.0655	0.0000	195.2517	195.2517	0.0125	8.6000e-003	198.1279
Unmitigated	0.0897	0.1056	0.9207	2.1100e-003	0.2400	1.5200e-003	0.2415	0.0641	1.4100e-003	0.0655	0.0000	195.2517	195.2517	0.0125	8.6000e-003	198.1279

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	191.35	194.79	154.37	637,499	637,499
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	191.35	194.79	154.37	637,499	637,499

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594
Unenclosed Parking with Elevator	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

**5.0 Energy Detail**

## 424 430 434 West Milford 43 Unit DB Project - 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**

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	84.8997	84.8997	2.9500e-003	3.6000e-004	85.0801
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	84.8997	84.8997	2.9500e-003	3.6000e-004	85.0801
NaturalGas Mitigated	2.4900e-003	0.0213	9.0700e-003	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6844	24.6844	4.7000e-004	4.5000e-004	24.8311
NaturalGas Unmitigated	2.4900e-003	0.0213	9.0700e-003	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6844	24.6844	4.7000e-004	4.5000e-004	24.8311

## 424 430 434 West Milford 43 Unit DB Project - 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****5.2 Energy by Land Use - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	462569	2.4900e-003	0.0213	9.0700e-003	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6844	24.6844	4.7000e-004	4.5000e-004	24.8311
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.4900e-003</b>	<b>0.0213</b>	<b>9.0700e-003</b>	<b>1.4000e-004</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>24.6844</b>	<b>24.6844</b>	<b>4.7000e-004</b>	<b>4.5000e-004</b>	<b>24.8311</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments High Rise	462569	2.4900e-003	0.0213	9.0700e-003	1.4000e-004		1.7200e-003	1.7200e-003		1.7200e-003	1.7200e-003	0.0000	24.6844	24.6844	4.7000e-004	4.5000e-004	24.8311
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.4900e-003</b>	<b>0.0213</b>	<b>9.0700e-003</b>	<b>1.4000e-004</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>		<b>1.7200e-003</b>	<b>1.7200e-003</b>	<b>0.0000</b>	<b>24.6844</b>	<b>24.6844</b>	<b>4.7000e-004</b>	<b>4.5000e-004</b>	<b>24.8311</b>

424 430 434 West Milford 43 Unit DB Project - 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	kWh/yr	MT/yr			
Apartments High Rise	165572	71.2705	2.4800e-003	3.0000e-004	71.4219
Unenclosed Parking with Elevator	31662.7	13.6292	4.7000e-004	6.0000e-005	13.6582
<b>Total</b>		<b>84.8997</b>	<b>2.9500e-003</b>	<b>3.6000e-004</b>	<b>85.0801</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments High Rise	165572	71.2705	2.4800e-003	3.0000e-004	71.4219
Unenclosed Parking with Elevator	31662.7	13.6292	4.7000e-004	6.0000e-005	13.6582
<b>Total</b>		<b>84.8997</b>	<b>2.9500e-003</b>	<b>3.6000e-004</b>	<b>85.0801</b>

**6.0 Area Detail**

424 430 434 West Milford 43 Unit DB Project - 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****6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.2759	0.0163	0.7168	7.2000e-004		0.0435	0.0435		0.0435	0.0435	4.5674	9.5023	14.0697	0.0143	3.1000e-004	14.5200
Unmitigated	0.2759	0.0163	0.7168	7.2000e-004		0.0435	0.0435		0.0435	0.0435	4.5674	9.5023	14.0697	0.0143	3.1000e-004	14.5200

## 424 430 434 West Milford 43 Unit DB Project - 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****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	9.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1408	0.0112	0.2734	7.0000e-004		0.0411	0.0411		0.0411	0.0411	4.5674	8.7770	13.3444	0.0136	3.1000e-004	13.7773
Landscaping	0.0133	5.1100e-003	0.4435	2.0000e-005		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	0.7253	0.7253	7.0000e-004	0.0000	0.7427
<b>Total</b>	<b>0.2759</b>	<b>0.0163</b>	<b>0.7168</b>	<b>7.2000e-004</b>		<b>0.0435</b>	<b>0.0435</b>		<b>0.0435</b>	<b>0.0435</b>	<b>4.5674</b>	<b>9.5023</b>	<b>14.0697</b>	<b>0.0143</b>	<b>3.1000e-004</b>	<b>14.5200</b>

## 424 430 434 West Milford 43 Unit DB Project - 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****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	9.8200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.1119					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.1408	0.0112	0.2734	7.0000e-004		0.0411	0.0411		0.0411	0.0411	4.5674	8.7770	13.3444	0.0136	3.1000e-004	13.7773
Landscaping	0.0133	5.1100e-003	0.4435	2.0000e-005		2.4600e-003	2.4600e-003		2.4600e-003	2.4600e-003	0.0000	0.7253	0.7253	7.0000e-004	0.0000	0.7427
<b>Total</b>	<b>0.2759</b>	<b>0.0163</b>	<b>0.7168</b>	<b>7.2000e-004</b>		<b>0.0435</b>	<b>0.0435</b>		<b>0.0435</b>	<b>0.0435</b>	<b>4.5674</b>	<b>9.5023</b>	<b>14.0697</b>	<b>0.0143</b>	<b>3.1000e-004</b>	<b>14.5200</b>

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

424 430 434 West Milford 43 Unit DB Project - 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**

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	25.0383	0.0921	2.2600e-003	28.0143
Unmitigated	25.0383	0.0921	2.2600e-003	28.0143

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

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	2.80162 / 1.76624	25.0383	0.0921	2.2600e-003	28.0143
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>25.0383</b>	<b>0.0921</b>	<b>2.2600e-003</b>	<b>28.0143</b>



424 430 434 West Milford 43 Unit DB Project - 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 CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments High Rise	2.80162 / 1.76624	25.0383	0.0921	2.2600e-003	28.0143
Unenclosed Parking with Elevator	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>25.0383</b>	<b>0.0921</b>	<b>2.2600e-003</b>	<b>28.0143</b>

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

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.0152	0.2373	0.0000	9.9474
Unmitigated	4.0152	0.2373	0.0000	9.9474

424 430 434 West Milford 43 Unit DB Project - 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			
Apartments High Rise	19.78	4.0152	0.2373	0.0000	9.9474
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.0152</b>	<b>0.2373</b>	<b>0.0000</b>	<b>9.9474</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments High Rise	19.78	4.0152	0.2373	0.0000	9.9474
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.0152</b>	<b>0.2373</b>	<b>0.0000</b>	<b>9.9474</b>

**9.0 Operational Offroad**

424 430 434 West Milford 43 Unit DB Project - 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**

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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424 430 434 West Milford 43 Unit DB Project - 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****424 430 434 West Milford 43 Unit DB Project****South Coast AQMD Air District, Summer****1.0 Project Characteristics****1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	43.00	Dwelling Unit	0.48	30,665.00	123
Unenclosed Parking with Elevator	36.00	Space	0.01	16,321.00	0

**1.2 Other Project Characteristics**

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2026
Utility Company	Glendale Water and Power				
CO2 Intensity (lb/MWhr)	948.98	CH4 Intensity (lb/MWhr)	0.033	N2O Intensity (lb/MWhr)	0.004

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

Project Characteristics - Construct 4-story, 43 unit, 30,665 SF multifamily building with a 36 parking space 16,321 SF semi-subterranean garage on a 21,750 SF property. Demo includes a 424 W Milford (1,202SF, plus 768 SF), 430 W Milford (1,012 SF plus 804SF) and 434 W Milford (1,362 SF).

Land Use - Land use types include, i) 43 dwelling units on a 21,750 SF lot (0.49 acre) (86 units per acre - which is defined as a Apartments High Rise by CalEEMod guide), ii) 16,321 SF semi-subterranean garage with an elevator below the upper floor areas.

Construction Phase - Demo: 2 months, Site Prep: 1 month, Grading: 1 month, Construction: 12 months, paving 1 month and architectural finishes 3 months.

Grading - Grading 4,760 CY cut; 132 CY fill.

Demolition - Demo includes a 424 W Milford (1,202SF, plus 768 SF), 430 W Milford (1,012 SF plus 804SF) and 434 W Milford (1,362 SF)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	7/22/2024	8/8/2025
tblConstructionPhase	PhaseEndDate	7/8/2024	6/4/2025
tblConstructionPhase	PhaseEndDate	2/14/2024	4/1/2024

## 424 430 434 West Milford 43 Unit DB Project - 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	PhaseEndDate	2/19/2024	6/3/2024
tblConstructionPhase	PhaseEndDate	7/15/2024	7/11/2025
tblConstructionPhase	PhaseEndDate	2/15/2024	5/1/2024
tblConstructionPhase	PhaseStartDate	7/16/2024	6/12/2025
tblConstructionPhase	PhaseStartDate	2/20/2024	6/4/2024
tblConstructionPhase	PhaseStartDate	2/16/2024	5/2/2024
tblConstructionPhase	PhaseStartDate	7/9/2024	6/5/2025
tblConstructionPhase	PhaseStartDate	2/15/2024	4/2/2024
tblLandUse	LandUseSquareFeet	43,000.00	30,665.00
tblLandUse	LandUseSquareFeet	14,400.00	16,321.00
tblLandUse	LotAcreage	0.69	0.48
tblLandUse	LotAcreage	0.32	0.01
tblTripsAndVMT	HaulingTripNumber	0.00	578.00

**2.0 Emissions Summary**

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424 430 434 West Milford 43 Unit DB Project - 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					
2024	1.5557	44.7183	15.7594	0.1775	10.4564	0.6646	11.1210	3.9779	0.6211	4.5990	0.0000	19,352.92 39	19,352.92 39	1.4571	2.8481	20,238.09 21
2025	40.0907	6.1108	9.6261	0.0166	0.4696	0.2716	0.7145	0.1256	0.2575	0.3509	0.0000	1,590.963 5	1,590.963 5	0.3696	0.0268	1,608.176 3
<b>Maximum</b>	<b>40.0907</b>	<b>44.7183</b>	<b>15.7594</b>	<b>0.1775</b>	<b>10.4564</b>	<b>0.6646</b>	<b>11.1210</b>	<b>3.9779</b>	<b>0.6211</b>	<b>4.5990</b>	<b>0.0000</b>	<b>19,352.92 39</b>	<b>19,352.92 39</b>	<b>1.4571</b>	<b>2.8481</b>	<b>20,238.09 21</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					
2024	1.5557	44.7183	15.7594	0.1775	10.4564	0.6646	11.1210	3.9779	0.6211	4.5990	0.0000	19,352.92 39	19,352.92 39	1.4571	2.8481	20,238.09 21
2025	40.0907	6.1108	9.6261	0.0166	0.4696	0.2716	0.7145	0.1256	0.2575	0.3509	0.0000	1,590.963 5	1,590.963 5	0.3696	0.0268	1,608.176 3
<b>Maximum</b>	<b>40.0907</b>	<b>44.7183</b>	<b>15.7594</b>	<b>0.1775</b>	<b>10.4564</b>	<b>0.6646</b>	<b>11.1210</b>	<b>3.9779</b>	<b>0.6211</b>	<b>4.5990</b>	<b>0.0000</b>	<b>19,352.92 39</b>	<b>19,352.92 39</b>	<b>1.4571</b>	<b>2.8481</b>	<b>20,238.09 21</b>

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

[illegible]

## 424 430 434 West Milford 43 Unit DB Project - 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	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 1	1.2073	0.0273	1,221.502 2
Energy	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Mobile	0.5413	0.5569	5.3993	0.0126	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,280.402 7	1,280.402 7	0.0774	0.0521	1,297.869 9
<b>Total</b>	<b>12.5960</b>	<b>1.6067</b>	<b>30.8646</b>	<b>0.0693</b>	<b>1.4026</b>	<b>3.3226</b>	<b>4.7251</b>	<b>0.3738</b>	<b>3.3219</b>	<b>3.6957</b>	<b>402.7775</b>	<b>2,209.893 8</b>	<b>2,612.671 3</b>	<b>1.2876</b>	<b>0.0822</b>	<b>2,669.353 5</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	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 1	1.2073	0.0273	1,221.502 2
Energy	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Mobile	0.5413	0.5569	5.3993	0.0126	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,280.402 7	1,280.402 7	0.0774	0.0521	1,297.869 9
<b>Total</b>	<b>12.5960</b>	<b>1.6067</b>	<b>30.8646</b>	<b>0.0693</b>	<b>1.4026</b>	<b>3.3226</b>	<b>4.7251</b>	<b>0.3738</b>	<b>3.3219</b>	<b>3.6957</b>	<b>402.7775</b>	<b>2,209.893 8</b>	<b>2,612.671 3</b>	<b>1.2876</b>	<b>0.0822</b>	<b>2,669.353 5</b>



424 430 434 West Milford 43 Unit DB Project - 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	2/1/2024	4/1/2024	5	10	
2	Site Preparation	Site Preparation	4/2/2024	5/1/2024	5	1	
3	Grading	Grading	5/2/2024	6/3/2024	5	2	
4	Building Construction	Building Construction	6/4/2024	6/4/2025	5	100	
5	Paving	Paving	6/5/2025	7/11/2025	5	5	
6	Architectural Coating	Architectural Coating	6/12/2025	8/8/2025	5	5	

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 1.5****Acres of Paving: 0.01****Residential Indoor: 62,097; Residential Outdoor: 20,699; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 979 (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

## 424 430 434 West Milford 43 Unit DB Project - 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
Demolition	4	10.00	0.00	23.00	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
Grading	3	8.00	0.00	578.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	38.00	7.00	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
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5068	0.0000	0.5068	0.0767	0.0000	0.0767			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.687 4	1,148.687 4	0.2080		1,153.887 0
<b>Total</b>	<b>0.6156</b>	<b>5.4776</b>	<b>7.3949</b>	<b>0.0120</b>	<b>0.5068</b>	<b>0.2504</b>	<b>0.7571</b>	<b>0.0767</b>	<b>0.2392</b>	<b>0.3159</b>		<b>1,148.687 4</b>	<b>1,148.687 4</b>	<b>0.2080</b>		<b>1,153.887 0</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	4.9200e-003	0.2783	0.0792	1.2900e-003	0.0402	2.1000e-003	0.0423	0.0110	2.0100e-003	0.0130		142.5475	142.5475	8.0700e-003	0.0227	149.5000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	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>0.0347</b>	<b>0.2975</b>	<b>0.4059</b>	<b>2.2400e-003</b>	<b>0.1520</b>	<b>2.7000e-003</b>	<b>0.1547</b>	<b>0.0407</b>	<b>2.5600e-003</b>	<b>0.0432</b>		<b>238.6139</b>	<b>238.6139</b>	<b>0.0102</b>	<b>0.0248</b>	<b>246.2477</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5068	0.0000	0.5068	0.0767	0.0000	0.0767			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392	0.0000	1,148.687 4	1,148.687 4	0.2080		1,153.887 0
<b>Total</b>	<b>0.6156</b>	<b>5.4776</b>	<b>7.3949</b>	<b>0.0120</b>	<b>0.5068</b>	<b>0.2504</b>	<b>0.7571</b>	<b>0.0767</b>	<b>0.2392</b>	<b>0.3159</b>	<b>0.0000</b>	<b>1,148.687 4</b>	<b>1,148.687 4</b>	<b>0.2080</b>		<b>1,153.887 0</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	4.9200e-003	0.2783	0.0792	1.2900e-003	0.0402	2.1000e-003	0.0423	0.0110	2.0100e-003	0.0130		142.5475	142.5475	8.0700e-003	0.0227	149.5000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0298	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>0.0347</b>	<b>0.2975</b>	<b>0.4059</b>	<b>2.2400e-003</b>	<b>0.1520</b>	<b>2.7000e-003</b>	<b>0.1547</b>	<b>0.0407</b>	<b>2.5600e-003</b>	<b>0.0432</b>		<b>238.6139</b>	<b>238.6139</b>	<b>0.0102</b>	<b>0.0248</b>	<b>246.2477</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4985	5.6040	3.8921	9.7300e-003		0.2012	0.2012		0.1851	0.1851		942.2742	942.2742	0.3048		949.8930
<b>Total</b>	<b>0.4985</b>	<b>5.6040</b>	<b>3.8921</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2012</b>	<b>0.7315</b>	<b>0.0573</b>	<b>0.1851</b>	<b>0.2424</b>		<b>942.2742</b>	<b>942.2742</b>	<b>0.3048</b>		<b>949.8930</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	0.0149	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739
<b>Total</b>	<b>0.0149</b>	<b>9.5700e-003</b>	<b>0.1633</b>	<b>4.8000e-004</b>	<b>0.0559</b>	<b>3.0000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>48.0332</b>	<b>48.0332</b>	<b>1.0900e-003</b>	<b>1.0500e-003</b>	<b>48.3739</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4985	5.6040	3.8921	9.7300e-003		0.2012	0.2012		0.1851	0.1851	0.0000	942.2742	942.2742	0.3048		949.8930
<b>Total</b>	<b>0.4985</b>	<b>5.6040</b>	<b>3.8921</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2012</b>	<b>0.7315</b>	<b>0.0573</b>	<b>0.1851</b>	<b>0.2424</b>	<b>0.0000</b>	<b>942.2742</b>	<b>942.2742</b>	<b>0.3048</b>		<b>949.8930</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	0.0149	9.5700e-003	0.1633	4.8000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		48.0332	48.0332	1.0900e-003	1.0500e-003	48.3739
<b>Total</b>	<b>0.0149</b>	<b>9.5700e-003</b>	<b>0.1633</b>	<b>4.8000e-004</b>	<b>0.0559</b>	<b>3.0000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>48.0332</b>	<b>48.0332</b>	<b>1.0900e-003</b>	<b>1.0500e-003</b>	<b>48.3739</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.9132	9.7297	5.5468	0.0141		0.4001	0.4001		0.3681	0.3681		1,364.662 3	1,364.662 3	0.4414		1,375.696 2
<b>Total</b>	<b>0.9132</b>	<b>9.7297</b>	<b>5.5468</b>	<b>0.0141</b>	<b>5.3119</b>	<b>0.4001</b>	<b>5.7120</b>	<b>2.5686</b>	<b>0.3681</b>	<b>2.9367</b>		<b>1,364.662 3</b>	<b>1,364.662 3</b>	<b>0.4414</b>		<b>1,375.696 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	0.6187	34.9732	9.9513	0.1627	5.0550	0.2640	5.3191	1.3856	0.2526	1.6382		17,911.40 86	17,911.40 86	1.0140	2.8464	18,784.99 77
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982
<b>Total</b>	<b>0.6425</b>	<b>34.9886</b>	<b>10.2126</b>	<b>0.1634</b>	<b>5.1445</b>	<b>0.2645</b>	<b>5.4090</b>	<b>1.4093</b>	<b>0.2530</b>	<b>1.6624</b>		<b>17,988.26 16</b>	<b>17,988.26 16</b>	<b>1.0157</b>	<b>2.8481</b>	<b>18,862.39 59</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.9132	9.7297	5.5468	0.0141		0.4001	0.4001		0.3681	0.3681	0.0000	1,364.662 3	1,364.662 3	0.4414		1,375.696 2
<b>Total</b>	<b>0.9132</b>	<b>9.7297</b>	<b>5.5468</b>	<b>0.0141</b>	<b>5.3119</b>	<b>0.4001</b>	<b>5.7120</b>	<b>2.5686</b>	<b>0.3681</b>	<b>2.9367</b>	<b>0.0000</b>	<b>1,364.662 3</b>	<b>1,364.662 3</b>	<b>0.4414</b>		<b>1,375.696 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	0.6187	34.9732	9.9513	0.1627	5.0550	0.2640	5.3191	1.3856	0.2526	1.6382		17,911.40 86	17,911.40 86	1.0140	2.8464	18,784.99 77
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0238	0.0153	0.2614	7.6000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		76.8531	76.8531	1.7400e-003	1.6800e-003	77.3982
<b>Total</b>	<b>0.6425</b>	<b>34.9886</b>	<b>10.2126</b>	<b>0.1634</b>	<b>5.1445</b>	<b>0.2645</b>	<b>5.4090</b>	<b>1.4093</b>	<b>0.2530</b>	<b>1.6624</b>		<b>17,988.26 16</b>	<b>17,988.26 16</b>	<b>1.0157</b>	<b>2.8481</b>	<b>18,862.39 59</b>



424 430 434 West Milford 43 Unit DB Project - 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	7.5600e-003	0.2553	0.0984	1.2500e-003	0.0448	1.4800e-003	0.0463	0.0129	1.4200e-003	0.0143		135.2476	135.2476	4.6100e-003	0.0196	141.2062
Worker	0.1132	0.0727	1.2414	3.6100e-003	0.4248	2.2800e-003	0.4270	0.1127	2.1000e-003	0.1148		365.0520	365.0520	8.2600e-003	8.0000e-003	367.6414
<b>Total</b>	<b>0.1208</b>	<b>0.3280</b>	<b>1.3398</b>	<b>4.8600e-003</b>	<b>0.4696</b>	<b>3.7600e-003</b>	<b>0.4733</b>	<b>0.1256</b>	<b>3.5200e-003</b>	<b>0.1291</b>		<b>500.2996</b>	<b>500.2996</b>	<b>0.0129</b>	<b>0.0276</b>	<b>508.8476</b>

424 430 434 West Milford 43 Unit DB Project - 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	1,104.983 4	1,104.983 4	0.3574		1,113.917 7
<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>1,104.983 4</b>	<b>1,104.983 4</b>	<b>0.3574</b>		<b>1,113.917 7</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	7.5600e-003	0.2553	0.0984	1.2500e-003	0.0448	1.4800e-003	0.0463	0.0129	1.4200e-003	0.0143		135.2476	135.2476	4.6100e-003	0.0196	141.2062
Worker	0.1132	0.0727	1.2414	3.6100e-003	0.4248	2.2800e-003	0.4270	0.1127	2.1000e-003	0.1148		365.0520	365.0520	8.2600e-003	8.0000e-003	367.6414
<b>Total</b>	<b>0.1208</b>	<b>0.3280</b>	<b>1.3398</b>	<b>4.8600e-003</b>	<b>0.4696</b>	<b>3.7600e-003</b>	<b>0.4733</b>	<b>0.1256</b>	<b>3.5200e-003</b>	<b>0.1291</b>		<b>500.2996</b>	<b>500.2996</b>	<b>0.0129</b>	<b>0.0276</b>	<b>508.8476</b>

## 424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220		1,105.571 1	1,105.571 1	0.3576		1,114.510 2
<b>Total</b>	<b>0.5510</b>	<b>5.4820</b>	<b>7.0282</b>	<b>0.0114</b>		<b>0.2413</b>	<b>0.2413</b>		<b>0.2220</b>	<b>0.2220</b>		<b>1,105.571 1</b>	<b>1,105.571 1</b>	<b>0.3576</b>		<b>1,114.510 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	7.3900e-003	0.2541	0.0969	1.2300e-003	0.0448	1.4900e-003	0.0463	0.0129	1.4200e-003	0.0143		132.7825	132.7825	4.6300e-003	0.0193	138.6416
Worker	0.1060	0.0654	1.1565	3.4900e-003	0.4248	2.1700e-003	0.4269	0.1127	2.0000e-003	0.1146		352.6099	352.6099	7.4500e-003	7.4800e-003	355.0245
<b>Total</b>	<b>0.1134</b>	<b>0.3194</b>	<b>1.2534</b>	<b>4.7200e-003</b>	<b>0.4696</b>	<b>3.6600e-003</b>	<b>0.4732</b>	<b>0.1256</b>	<b>3.4200e-003</b>	<b>0.1290</b>		<b>485.3924</b>	<b>485.3924</b>	<b>0.0121</b>	<b>0.0268</b>	<b>493.6661</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220	0.0000	1,105.571 1	1,105.571 1	0.3576		1,114.510 2
<b>Total</b>	<b>0.5510</b>	<b>5.4820</b>	<b>7.0282</b>	<b>0.0114</b>		<b>0.2413</b>	<b>0.2413</b>		<b>0.2220</b>	<b>0.2220</b>	<b>0.0000</b>	<b>1,105.571 1</b>	<b>1,105.571 1</b>	<b>0.3576</b>		<b>1,114.510 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	7.3900e-003	0.2541	0.0969	1.2300e-003	0.0448	1.4900e-003	0.0463	0.0129	1.4200e-003	0.0143		132.7825	132.7825	4.6300e-003	0.0193	138.6416
Worker	0.1060	0.0654	1.1565	3.4900e-003	0.4248	2.1700e-003	0.4269	0.1127	2.0000e-003	0.1146		352.6099	352.6099	7.4500e-003	7.4800e-003	355.0245
<b>Total</b>	<b>0.1134</b>	<b>0.3194</b>	<b>1.2534</b>	<b>4.7200e-003</b>	<b>0.4696</b>	<b>3.6600e-003</b>	<b>0.4732</b>	<b>0.1256</b>	<b>3.4200e-003</b>	<b>0.1290</b>		<b>485.3924</b>	<b>485.3924</b>	<b>0.0121</b>	<b>0.0268</b>	<b>493.6661</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>		<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</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	0.0502	0.0310	0.5478	1.6500e-003	0.2012	1.0300e-003	0.2022	0.0534	9.5000e-004	0.0543		167.0257	167.0257	3.5300e-003	3.5400e-003	168.1695
<b>Total</b>	<b>0.0502</b>	<b>0.0310</b>	<b>0.5478</b>	<b>1.6500e-003</b>	<b>0.2012</b>	<b>1.0300e-003</b>	<b>0.2022</b>	<b>0.0534</b>	<b>9.5000e-004</b>	<b>0.0543</b>		<b>167.0257</b>	<b>167.0257</b>	<b>3.5300e-003</b>	<b>3.5400e-003</b>	<b>168.1695</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>	<b>0.0000</b>	<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</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	0.0502	0.0310	0.5478	1.6500e-003	0.2012	1.0300e-003	0.2022	0.0534	9.5000e-004	0.0543		167.0257	167.0257	3.5300e-003	3.5400e-003	168.1695
<b>Total</b>	<b>0.0502</b>	<b>0.0310</b>	<b>0.5478</b>	<b>1.6500e-003</b>	<b>0.2012</b>	<b>1.0300e-003</b>	<b>0.2022</b>	<b>0.0534</b>	<b>9.5000e-004</b>	<b>0.0543</b>		<b>167.0257</b>	<b>167.0257</b>	<b>3.5300e-003</b>	<b>3.5400e-003</b>	<b>168.1695</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.2835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>39.4543</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</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	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420
<b>Total</b>	<b>0.0223</b>	<b>0.0138</b>	<b>0.2435</b>	<b>7.3000e-004</b>	<b>0.0894</b>	<b>4.6000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.2000e-004</b>	<b>0.0241</b>		<b>74.2337</b>	<b>74.2337</b>	<b>1.5700e-003</b>	<b>1.5700e-003</b>	<b>74.7420</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.2835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>39.4543</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</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	0.0223	0.0138	0.2435	7.3000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		74.2337	74.2337	1.5700e-003	1.5700e-003	74.7420
<b>Total</b>	<b>0.0223</b>	<b>0.0138</b>	<b>0.2435</b>	<b>7.3000e-004</b>	<b>0.0894</b>	<b>4.6000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.2000e-004</b>	<b>0.0241</b>		<b>74.2337</b>	<b>74.2337</b>	<b>1.5700e-003</b>	<b>1.5700e-003</b>	<b>74.7420</b>



424 430 434 West Milford 43 Unit DB Project - 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	0.5413	0.5569	5.3993	0.0126	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,280.4027	1,280.4027	0.0774	0.0521	1,297.8699
Unmitigated	0.5413	0.5569	5.3993	0.0126	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,280.4027	1,280.4027	0.0774	0.0521	1,297.8699

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	191.35	194.79	154.37	637,499	637,499
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	191.35	194.79	154.37	637,499	637,499

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

## 424 430 434 West Milford 43 Unit DB Project - 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**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594
Unenclosed Parking with Elevator	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

**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	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
NaturalGas Unmitigated	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815

424 430 434 West Milford 43 Unit DB Project - 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****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	1267.31	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0137</b>	<b>0.1168</b>	<b>0.0497</b>	<b>7.5000e-004</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>149.0955</b>	<b>149.0955</b>	<b>2.8600e-003</b>	<b>2.7300e-003</b>	<b>149.9815</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	1.26731	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0137</b>	<b>0.1168</b>	<b>0.0497</b>	<b>7.5000e-004</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>149.0955</b>	<b>149.0955</b>	<b>2.8600e-003</b>	<b>2.7300e-003</b>	<b>149.9815</b>

**6.0 Area Detail**

424 430 434 West Milford 43 Unit DB Project - 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****6.1 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	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 <sub>1</sub>	1.2073	0.0273	1,221.502 <sub>2</sub>
Unmitigated	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 <sub>1</sub>	1.2073	0.0273	1,221.502 <sub>2</sub>

424 430 434 West Milford 43 Unit DB Project - 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	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.2676	0.8922	21.8677	0.0558		3.2847	3.2847		3.2847	3.2847	402.7775	774.0000	1,176.7775	1.2012	0.0273	1,214.9531
Landscaping	0.1068	0.0409	3.5479	1.9000e-004		0.0197	0.0197		0.0197	0.0197		6.3956	6.3956	6.1400e-003		6.5491
<b>Total</b>	<b>12.0411</b>	<b>0.9330</b>	<b>25.4156</b>	<b>0.0560</b>		<b>3.3044</b>	<b>3.3044</b>		<b>3.3044</b>	<b>3.3044</b>	<b>402.7775</b>	<b>780.3956</b>	<b>1,183.1731</b>	<b>1.2073</b>	<b>0.0273</b>	<b>1,221.5022</b>

424 430 434 West Milford 43 Unit DB Project - 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	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.2676	0.8922	21.8677	0.0558		3.2847	3.2847		3.2847	3.2847	402.7775	774.0000	1,176.7775	1.2012	0.0273	1,214.9531
Landscaping	0.1068	0.0409	3.5479	1.9000e-004		0.0197	0.0197		0.0197	0.0197		6.3956	6.3956	6.1400e-003		6.5491
<b>Total</b>	<b>12.0411</b>	<b>0.9330</b>	<b>25.4156</b>	<b>0.0560</b>		<b>3.3044</b>	<b>3.3044</b>		<b>3.3044</b>	<b>3.3044</b>	<b>402.7775</b>	<b>780.3956</b>	<b>1,183.1731</b>	<b>1.2073</b>	<b>0.0273</b>	<b>1,221.5022</b>

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

424 430 434 West Milford 43 Unit DB Project - 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
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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424 430 434 West Milford 43 Unit DB Project - 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

424 430 434 West Milford 43 Unit DB Project  
South Coast AQMD Air District, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments High Rise	43.00	Dwelling Unit	0.48	30,665.00	123
Unenclosed Parking with Elevator	36.00	Space	0.01	16,321.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	31
Climate Zone	12			Operational Year	2026
Utility Company	Glendale Water and Power				
CO2 Intensity (lb/MW hr)	948.98	CH4 Intensity (lb/MW hr)	0.033	N2O Intensity (lb/MW hr)	0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Construct 4-story, 43 unit, 30,665 SF multifamily building with a 36 parking space 16,321 SF semi-subterranean garage on a 21,750 SF property. Demo includes a 424 W Milford (1,202SF, plus 768 SF), 430 W Milford (1,012 SF plus 804SF) and 434 W Milford (1,362 SF).

Land Use - Land use types include, i) 43 dwelling units on a 21,750 SF lot (0.49 acre) (86 units per acre - which is defined as a Apartments High Rise by CalEEMod guide), ii) 16,321 SF semi-subterranean garage with an elevator below the upper floor areas.

Construction Phase - Demo: 2 months, Site Prep: 1 month, Grading: 1 month, Construction: 12 months, paving 1 month and architectural finishes 3 months.

Grading - Grading 4,760 CY cut; 132 CY fill.

Demolition - Demo includes a 424 W Milford (1,202SF, plus 768 SF), 430 W Milford (1,012 SF plus 804SF) and 434 W Milford (1,362 SF)

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	PhaseEndDate	7/22/2024	8/8/2025
tblConstructionPhase	PhaseEndDate	7/8/2024	6/4/2025
tblConstructionPhase	PhaseEndDate	2/14/2024	4/1/2024



424 430 434 West Milford 43 Unit DB Project - 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	PhaseEndDate	2/19/2024	6/3/2024
tblConstructionPhase	PhaseEndDate	7/15/2024	7/11/2025
tblConstructionPhase	PhaseEndDate	2/15/2024	5/1/2024
tblConstructionPhase	PhaseStartDate	7/16/2024	6/12/2025
tblConstructionPhase	PhaseStartDate	2/20/2024	6/4/2024
tblConstructionPhase	PhaseStartDate	2/16/2024	5/2/2024
tblConstructionPhase	PhaseStartDate	7/9/2024	6/5/2025
tblConstructionPhase	PhaseStartDate	2/15/2024	4/2/2024
tblLandUse	LandUseSquareFeet	43,000.00	30,665.00
tblLandUse	LandUseSquareFeet	14,400.00	16,321.00
tblLandUse	LotAcreage	0.69	0.48
tblLandUse	LotAcreage	0.32	0.01
tblTripsAndVMT	HaulingTripNumber	0.00	578.00

2.0 Emissions Summary

424 430 434 West Milford 43 Unit DB Project - 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					
2024	1.5155	46.3891	15.8763	0.1777	10.4564	0.6652	11.1216	3.9779	0.6217	4.5996	0.0000	19,368.85 77	19,368.85 77	1.4548	2.8515	20,254.97 93
2025	40.0952	6.1150	9.5517	0.0165	0.4696	0.2716	0.7145	0.1256	0.2575	0.3509	0.0000	1,570.789 9	1,570.789 9	0.3697	0.0273	1,588.153 9
Maximum	40.0952	46.3891	15.8763	0.1777	10.4564	0.6652	11.1216	3.9779	0.6217	4.5996	0.0000	19,368.85 77	19,368.85 77	1.4548	2.8515	20,254.97 93

**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					
2024	1.5155	46.3891	15.8763	0.1777	10.4564	0.6652	11.1216	3.9779	0.6217	4.5996	0.0000	19,368.85 77	19,368.85 77	1.4548	2.8515	20,254.97 93
2025	40.0952	6.1150	9.5517	0.0165	0.4696	0.2716	0.7145	0.1256	0.2575	0.3509	0.0000	1,570.789 9	1,570.789 9	0.3697	0.0273	1,588.153 9
Maximum	40.0952	46.3891	15.8763	0.1777	10.4564	0.6652	11.1216	3.9779	0.6217	4.5996	0.0000	19,368.85 77	19,368.85 77	1.4548	2.8515	20,254.97 93

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

[illegible]

## 424 430 434 West Milford 43 Unit DB Project - 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	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 1	1.2073	0.0273	1,221.502 2
Energy	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Mobile	0.5216	0.5982	5.2257	0.0120	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,221.748 7	1,221.748 7	0.0795	0.0541	1,239.853 4
<b>Total</b>	<b>12.5763</b>	<b>1.6480</b>	<b>30.6909</b>	<b>0.0687</b>	<b>1.4026</b>	<b>3.3226</b>	<b>4.7251</b>	<b>0.3738</b>	<b>3.3219</b>	<b>3.6957</b>	<b>402.7775</b>	<b>2,151.239 8</b>	<b>2,554.017 2</b>	<b>1.2896</b>	<b>0.0842</b>	<b>2,611.337 0</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	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 1	1.2073	0.0273	1,221.502 2
Energy	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Mobile	0.5216	0.5982	5.2257	0.0120	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,221.748 7	1,221.748 7	0.0795	0.0541	1,239.853 4
<b>Total</b>	<b>12.5763</b>	<b>1.6480</b>	<b>30.6909</b>	<b>0.0687</b>	<b>1.4026</b>	<b>3.3226</b>	<b>4.7251</b>	<b>0.3738</b>	<b>3.3219</b>	<b>3.6957</b>	<b>402.7775</b>	<b>2,151.239 8</b>	<b>2,554.017 2</b>	<b>1.2896</b>	<b>0.0842</b>	<b>2,611.337 0</b>

424 430 434 West Milford 43 Unit DB Project - 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	2/1/2024	4/1/2024	5	10	
2	Site Preparation	Site Preparation	4/2/2024	5/1/2024	5	1	
3	Grading	Grading	5/2/2024	6/3/2024	5	2	
4	Building Construction	Building Construction	6/4/2024	6/4/2025	5	100	
5	Paving	Paving	6/5/2025	7/11/2025	5	5	
6	Architectural Coating	Architectural Coating	6/12/2025	8/8/2025	5	5	

**Acres of Grading (Site Preparation Phase): 0.5****Acres of Grading (Grading Phase): 1.5****Acres of Paving: 0.01****Residential Indoor: 62,097; Residential Outdoor: 20,699; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 979 (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

424 430 434 West Milford 43 Unit DB Project - 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
Demolition	4	10.00	0.00	23.00	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
Grading	3	8.00	0.00	578.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	38.00	7.00	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
Architectural Coating	1	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5068	0.0000	0.5068	0.0767	0.0000	0.0767			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392		1,148.687 4	1,148.687 4	0.2080		1,153.887 0
<b>Total</b>	<b>0.6156</b>	<b>5.4776</b>	<b>7.3949</b>	<b>0.0120</b>	<b>0.5068</b>	<b>0.2504</b>	<b>0.7571</b>	<b>0.0767</b>	<b>0.2392</b>	<b>0.3159</b>		<b>1,148.687 4</b>	<b>1,148.687 4</b>	<b>0.2080</b>		<b>1,153.887 0</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	4.5900e-003	0.2916	0.0803	1.3000e-003	0.0402	2.1100e-003	0.0423	0.0110	2.0100e-003	0.0130		142.7098	142.7098	8.0500e-003	0.0227	149.6696
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0316	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>0.0361</b>	<b>0.3125</b>	<b>0.3761</b>	<b>2.2000e-003</b>	<b>0.1520</b>	<b>2.7100e-003</b>	<b>0.1547</b>	<b>0.0407</b>	<b>2.5600e-003</b>	<b>0.0432</b>		<b>233.2050</b>	<b>233.2050</b>	<b>0.0103</b>	<b>0.0249</b>	<b>240.8848</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5068	0.0000	0.5068	0.0767	0.0000	0.0767			0.0000			0.0000
Off-Road	0.6156	5.4776	7.3949	0.0120		0.2504	0.2504		0.2392	0.2392	0.0000	1,148.687 4	1,148.687 4	0.2080		1,153.887 0
<b>Total</b>	<b>0.6156</b>	<b>5.4776</b>	<b>7.3949</b>	<b>0.0120</b>	<b>0.5068</b>	<b>0.2504</b>	<b>0.7571</b>	<b>0.0767</b>	<b>0.2392</b>	<b>0.3159</b>	<b>0.0000</b>	<b>1,148.687 4</b>	<b>1,148.687 4</b>	<b>0.2080</b>		<b>1,153.887 0</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	4.5900e-003	0.2916	0.0803	1.3000e-003	0.0402	2.1100e-003	0.0423	0.0110	2.0100e-003	0.0130		142.7098	142.7098	8.0500e-003	0.0227	149.6696
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0316	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>0.0361</b>	<b>0.3125</b>	<b>0.3761</b>	<b>2.2000e-003</b>	<b>0.1520</b>	<b>2.7100e-003</b>	<b>0.1547</b>	<b>0.0407</b>	<b>2.5600e-003</b>	<b>0.0432</b>		<b>233.2050</b>	<b>233.2050</b>	<b>0.0103</b>	<b>0.0249</b>	<b>240.8848</b>



424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4985	5.6040	3.8921	9.7300e-003		0.2012	0.2012		0.1851	0.1851		942.2742	942.2742	0.3048		949.8930
<b>Total</b>	<b>0.4985</b>	<b>5.6040</b>	<b>3.8921</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2012</b>	<b>0.7315</b>	<b>0.0573</b>	<b>0.1851</b>	<b>0.2424</b>		<b>942.2742</b>	<b>942.2742</b>	<b>0.3048</b>		<b>949.8930</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	0.0158	0.0105	0.1479	4.5000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		45.2476	45.2476	1.1000e-003	1.1200e-003	45.6076
<b>Total</b>	<b>0.0158</b>	<b>0.0105</b>	<b>0.1479</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>3.0000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>45.2476</b>	<b>45.2476</b>	<b>1.1000e-003</b>	<b>1.1200e-003</b>	<b>45.6076</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					0.5303	0.0000	0.5303	0.0573	0.0000	0.0573			0.0000			0.0000
Off-Road	0.4985	5.6040	3.8921	9.7300e-003		0.2012	0.2012		0.1851	0.1851	0.0000	942.2742	942.2742	0.3048		949.8930
<b>Total</b>	<b>0.4985</b>	<b>5.6040</b>	<b>3.8921</b>	<b>9.7300e-003</b>	<b>0.5303</b>	<b>0.2012</b>	<b>0.7315</b>	<b>0.0573</b>	<b>0.1851</b>	<b>0.2424</b>	<b>0.0000</b>	<b>942.2742</b>	<b>942.2742</b>	<b>0.3048</b>		<b>949.8930</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	0.0158	0.0105	0.1479	4.5000e-004	0.0559	3.0000e-004	0.0562	0.0148	2.8000e-004	0.0151		45.2476	45.2476	1.1000e-003	1.1200e-003	45.6076
<b>Total</b>	<b>0.0158</b>	<b>0.0105</b>	<b>0.1479</b>	<b>4.5000e-004</b>	<b>0.0559</b>	<b>3.0000e-004</b>	<b>0.0562</b>	<b>0.0148</b>	<b>2.8000e-004</b>	<b>0.0151</b>		<b>45.2476</b>	<b>45.2476</b>	<b>1.1000e-003</b>	<b>1.1200e-003</b>	<b>45.6076</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.9132	9.7297	5.5468	0.0141		0.4001	0.4001		0.3681	0.3681		1,364.662 3	1,364.662 3	0.4414		1,375.696 2
<b>Total</b>	<b>0.9132</b>	<b>9.7297</b>	<b>5.5468</b>	<b>0.0141</b>	<b>5.3119</b>	<b>0.4001</b>	<b>5.7120</b>	<b>2.5686</b>	<b>0.3681</b>	<b>2.9367</b>		<b>1,364.662 3</b>	<b>1,364.662 3</b>	<b>0.4414</b>		<b>1,375.696 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	0.5771	36.6426	10.0929	0.1629	5.0550	0.2646	5.3196	1.3856	0.2531	1.6388		17,931.79 93	17,931.79 93	1.0117	2.8497	18,806.31 09
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0252	0.0167	0.2366	7.2000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		72.3961	72.3961	1.7600e-003	1.7800e-003	72.9722
<b>Total</b>	<b>0.6024</b>	<b>36.6593</b>	<b>10.3295</b>	<b>0.1636</b>	<b>5.1445</b>	<b>0.2651</b>	<b>5.4095</b>	<b>1.4093</b>	<b>0.2536</b>	<b>1.6629</b>		<b>18,004.19 54</b>	<b>18,004.19 54</b>	<b>1.0135</b>	<b>2.8515</b>	<b>18,879.28 31</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 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					
Fugitive Dust					5.3119	0.0000	5.3119	2.5686	0.0000	2.5686			0.0000			0.0000
Off-Road	0.9132	9.7297	5.5468	0.0141		0.4001	0.4001		0.3681	0.3681	0.0000	1,364.662 3	1,364.662 3	0.4414		1,375.696 2
<b>Total</b>	<b>0.9132</b>	<b>9.7297</b>	<b>5.5468</b>	<b>0.0141</b>	<b>5.3119</b>	<b>0.4001</b>	<b>5.7120</b>	<b>2.5686</b>	<b>0.3681</b>	<b>2.9367</b>	<b>0.0000</b>	<b>1,364.662 3</b>	<b>1,364.662 3</b>	<b>0.4414</b>		<b>1,375.696 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	0.5771	36.6426	10.0929	0.1629	5.0550	0.2646	5.3196	1.3856	0.2531	1.6388		17,931.79 93	17,931.79 93	1.0117	2.8497	18,806.31 09
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0252	0.0167	0.2366	7.2000e-004	0.0894	4.8000e-004	0.0899	0.0237	4.4000e-004	0.0242		72.3961	72.3961	1.7600e-003	1.7800e-003	72.9722
<b>Total</b>	<b>0.6024</b>	<b>36.6593</b>	<b>10.3295</b>	<b>0.1636</b>	<b>5.1445</b>	<b>0.2651</b>	<b>5.4095</b>	<b>1.4093</b>	<b>0.2536</b>	<b>1.6629</b>		<b>18,004.19 54</b>	<b>18,004.19 54</b>	<b>1.0135</b>	<b>2.8515</b>	<b>18,879.28 31</b>

424 430 434 West Milford 43 Unit DB Project - 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	7.2200e-003	0.2679	0.1016	1.2600e-003	0.0448	1.4900e-003	0.0463	0.0129	1.4300e-003	0.0143		135.4961	135.4961	4.5900e-003	0.0197	141.4697
Worker	0.1199	0.0795	1.1240	3.4000e-003	0.4248	2.2800e-003	0.4270	0.1127	2.1000e-003	0.1148		343.8817	343.8817	8.3800e-003	8.4800e-003	346.6177
<b>Total</b>	<b>0.1271</b>	<b>0.3474</b>	<b>1.2255</b>	<b>4.6600e-003</b>	<b>0.4696</b>	<b>3.7700e-003</b>	<b>0.4733</b>	<b>0.1256</b>	<b>3.5300e-003</b>	<b>0.1291</b>		<b>479.3778</b>	<b>479.3778</b>	<b>0.0130</b>	<b>0.0281</b>	<b>488.0874</b>

424 430 434 West Milford 43 Unit DB Project - 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	1,104.983 4	1,104.983 4	0.3574		1,113.917 7
<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>1,104.983 4</b>	<b>1,104.983 4</b>	<b>0.3574</b>		<b>1,113.917 7</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	7.2200e-003	0.2679	0.1016	1.2600e-003	0.0448	1.4900e-003	0.0463	0.0129	1.4300e-003	0.0143		135.4961	135.4961	4.5900e-003	0.0197	141.4697
Worker	0.1199	0.0795	1.1240	3.4000e-003	0.4248	2.2800e-003	0.4270	0.1127	2.1000e-003	0.1148		343.8817	343.8817	8.3800e-003	8.4800e-003	346.6177
<b>Total</b>	<b>0.1271</b>	<b>0.3474</b>	<b>1.2255</b>	<b>4.6600e-003</b>	<b>0.4696</b>	<b>3.7700e-003</b>	<b>0.4733</b>	<b>0.1256</b>	<b>3.5300e-003</b>	<b>0.1291</b>		<b>479.3778</b>	<b>479.3778</b>	<b>0.0130</b>	<b>0.0281</b>	<b>488.0874</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220		1,105.571 1	1,105.571 1	0.3576		1,114.510 2
<b>Total</b>	<b>0.5510</b>	<b>5.4820</b>	<b>7.0282</b>	<b>0.0114</b>		<b>0.2413</b>	<b>0.2413</b>		<b>0.2220</b>	<b>0.2220</b>		<b>1,105.571 1</b>	<b>1,105.571 1</b>	<b>0.3576</b>		<b>1,114.510 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	7.0500e-003	0.2667	0.1001	1.2300e-003	0.0448	1.5000e-003	0.0463	0.0129	1.4300e-003	0.0143		133.0302	133.0302	4.6000e-003	0.0193	138.9038
Worker	0.1126	0.0715	1.0478	3.2900e-003	0.4248	2.1700e-003	0.4269	0.1127	2.0000e-003	0.1146		332.1886	332.1886	7.5800e-003	7.9300e-003	334.7399
<b>Total</b>	<b>0.1196</b>	<b>0.3381</b>	<b>1.1478</b>	<b>4.5200e-003</b>	<b>0.4696</b>	<b>3.6700e-003</b>	<b>0.4732</b>	<b>0.1256</b>	<b>3.4300e-003</b>	<b>0.1290</b>		<b>465.2188</b>	<b>465.2188</b>	<b>0.0122</b>	<b>0.0273</b>	<b>473.6437</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5510	5.4820	7.0282	0.0114		0.2413	0.2413		0.2220	0.2220	0.0000	1,105.571 1	1,105.571 1	0.3576		1,114.510 2
<b>Total</b>	<b>0.5510</b>	<b>5.4820</b>	<b>7.0282</b>	<b>0.0114</b>		<b>0.2413</b>	<b>0.2413</b>		<b>0.2220</b>	<b>0.2220</b>	<b>0.0000</b>	<b>1,105.571 1</b>	<b>1,105.571 1</b>	<b>0.3576</b>		<b>1,114.510 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	7.0500e-003	0.2667	0.1001	1.2300e-003	0.0448	1.5000e-003	0.0463	0.0129	1.4300e-003	0.0143		133.0302	133.0302	4.6000e-003	0.0193	138.9038
Worker	0.1126	0.0715	1.0478	3.2900e-003	0.4248	2.1700e-003	0.4269	0.1127	2.0000e-003	0.1146		332.1886	332.1886	7.5800e-003	7.9300e-003	334.7399
<b>Total</b>	<b>0.1196</b>	<b>0.3381</b>	<b>1.1478</b>	<b>4.5200e-003</b>	<b>0.4696</b>	<b>3.6700e-003</b>	<b>0.4732</b>	<b>0.1256</b>	<b>3.4300e-003</b>	<b>0.1290</b>		<b>465.2188</b>	<b>465.2188</b>	<b>0.0122</b>	<b>0.0273</b>	<b>473.6437</b>



424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046		1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>		<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</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	0.0533	0.0338	0.4963	1.5600e-003	0.2012	1.0300e-003	0.2022	0.0534	9.5000e-004	0.0543		157.3525	157.3525	3.5900e-003	3.7500e-003	158.5610
<b>Total</b>	<b>0.0533</b>	<b>0.0338</b>	<b>0.4963</b>	<b>1.5600e-003</b>	<b>0.2012</b>	<b>1.0300e-003</b>	<b>0.2022</b>	<b>0.0534</b>	<b>9.5000e-004</b>	<b>0.0543</b>		<b>157.3525</b>	<b>157.3525</b>	<b>3.5900e-003</b>	<b>3.7500e-003</b>	<b>158.5610</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5638	4.9206	7.0257	0.0113		0.2186	0.2186		0.2046	0.2046	0.0000	1,036.271 1	1,036.271 1	0.3019		1,043.817 9
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.5638</b>	<b>4.9206</b>	<b>7.0257</b>	<b>0.0113</b>		<b>0.2186</b>	<b>0.2186</b>		<b>0.2046</b>	<b>0.2046</b>	<b>0.0000</b>	<b>1,036.271 1</b>	<b>1,036.271 1</b>	<b>0.3019</b>		<b>1,043.817 9</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	0.0533	0.0338	0.4963	1.5600e-003	0.2012	1.0300e-003	0.2022	0.0534	9.5000e-004	0.0543		157.3525	157.3525	3.5900e-003	3.7500e-003	158.5610
<b>Total</b>	<b>0.0533</b>	<b>0.0338</b>	<b>0.4963</b>	<b>1.5600e-003</b>	<b>0.2012</b>	<b>1.0300e-003</b>	<b>0.2022</b>	<b>0.0534</b>	<b>9.5000e-004</b>	<b>0.0543</b>		<b>157.3525</b>	<b>157.3525</b>	<b>3.5900e-003</b>	<b>3.7500e-003</b>	<b>158.5610</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.2835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515		281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>39.4543</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</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	0.0237	0.0150	0.2206	6.9000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		69.9345	69.9345	1.5900e-003	1.6700e-003	70.4716
<b>Total</b>	<b>0.0237</b>	<b>0.0150</b>	<b>0.2206</b>	<b>6.9000e-004</b>	<b>0.0894</b>	<b>4.6000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.2000e-004</b>	<b>0.0241</b>		<b>69.9345</b>	<b>69.9345</b>	<b>1.5900e-003</b>	<b>1.6700e-003</b>	<b>70.4716</b>

424 430 434 West Milford 43 Unit DB Project - 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 - 2025****Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	39.2835					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1709	1.1455	1.8091	2.9700e-003		0.0515	0.0515		0.0515	0.0515	0.0000	281.4481	281.4481	0.0154		281.8319
<b>Total</b>	<b>39.4543</b>	<b>1.1455</b>	<b>1.8091</b>	<b>2.9700e-003</b>		<b>0.0515</b>	<b>0.0515</b>		<b>0.0515</b>	<b>0.0515</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0154</b>		<b>281.8319</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	0.0237	0.0150	0.2206	6.9000e-004	0.0894	4.6000e-004	0.0899	0.0237	4.2000e-004	0.0241		69.9345	69.9345	1.5900e-003	1.6700e-003	70.4716
<b>Total</b>	<b>0.0237</b>	<b>0.0150</b>	<b>0.2206</b>	<b>6.9000e-004</b>	<b>0.0894</b>	<b>4.6000e-004</b>	<b>0.0899</b>	<b>0.0237</b>	<b>4.2000e-004</b>	<b>0.0241</b>		<b>69.9345</b>	<b>69.9345</b>	<b>1.5900e-003</b>	<b>1.6700e-003</b>	<b>70.4716</b>

424 430 434 West Milford 43 Unit DB Project - 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	0.5216	0.5982	5.2257	0.0120	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,221.7487	1,221.7487	0.0795	0.0541	1,239.8534
Unmitigated	0.5216	0.5982	5.2257	0.0120	1.4026	8.7300e-003	1.4113	0.3738	8.1200e-003	0.3819		1,221.7487	1,221.7487	0.0795	0.0541	1,239.8534

**4.2 Trip Summary Information**

	Average Daily Trip Rate			Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments High Rise	191.35	194.79	154.37	637,499	637,499
Unenclosed Parking with Elevator	0.00	0.00	0.00		
Total	191.35	194.79	154.37	637,499	637,499

**4.3 Trip Type Information**

	Miles			Trip %			Trip Purpose %		
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments High Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Unenclosed Parking with	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

**4.4 Fleet Mix**

424 430 434 West Milford 43 Unit DB Project - 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**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments High Rise	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594
Unenclosed Parking with Elevator	0.540893	0.062748	0.186142	0.127785	0.023768	0.006610	0.012333	0.009205	0.000817	0.000491	0.024860	0.000754	0.003594

**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	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
NaturalGas Unmitigated	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815

424 430 434 West Milford 43 Unit DB Project - 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 - NaturalGas****Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	1267.31	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0137</b>	<b>0.1168</b>	<b>0.0497</b>	<b>7.5000e-004</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>149.0955</b>	<b>149.0955</b>	<b>2.8600e-003</b>	<b>2.7300e-003</b>	<b>149.9815</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments High Rise	1.26731	0.0137	0.1168	0.0497	7.5000e-004		9.4400e-003	9.4400e-003		9.4400e-003	9.4400e-003		149.0955	149.0955	2.8600e-003	2.7300e-003	149.9815
Unenclosed Parking with Elevator	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>0.0137</b>	<b>0.1168</b>	<b>0.0497</b>	<b>7.5000e-004</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>9.4400e-003</b>	<b>9.4400e-003</b>		<b>149.0955</b>	<b>149.0955</b>	<b>2.8600e-003</b>	<b>2.7300e-003</b>	<b>149.9815</b>

**6.0 Area Detail**

424 430 434 West Milford 43 Unit DB Project - 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****6.1 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	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 <sub>1</sub>	1.2073	0.0273	1,221.502 <sub>2</sub>
Unmitigated	12.0411	0.9330	25.4156	0.0560		3.3044	3.3044		3.3044	3.3044	402.7775	780.3956	1,183.173 <sub>1</sub>	1.2073	0.0273	1,221.502 <sub>2</sub>



424 430 434 West Milford 43 Unit DB Project - 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	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.2676	0.8922	21.8677	0.0558		3.2847	3.2847		3.2847	3.2847	402.7775	774.0000	1,176.7775	1.2012	0.0273	1,214.9531
Landscaping	0.1068	0.0409	3.5479	1.9000e-004		0.0197	0.0197		0.0197	0.0197		6.3956	6.3956	6.1400e-003		6.5491
<b>Total</b>	<b>12.0411</b>	<b>0.9330</b>	<b>25.4156</b>	<b>0.0560</b>		<b>3.3044</b>	<b>3.3044</b>		<b>3.3044</b>	<b>3.3044</b>	<b>402.7775</b>	<b>780.3956</b>	<b>1,183.1731</b>	<b>1.2073</b>	<b>0.0273</b>	<b>1,221.5022</b>

424 430 434 West Milford 43 Unit DB Project - 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	0.0538					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.6130					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.2676	0.8922	21.8677	0.0558		3.2847	3.2847		3.2847	3.2847	402.7775	774.0000	1,176.7775	1.2012	0.0273	1,214.9531
Landscaping	0.1068	0.0409	3.5479	1.9000e-004		0.0197	0.0197		0.0197	0.0197		6.3956	6.3956	6.1400e-003		6.5491
<b>Total</b>	<b>12.0411</b>	<b>0.9330</b>	<b>25.4156</b>	<b>0.0560</b>		<b>3.3044</b>	<b>3.3044</b>		<b>3.3044</b>	<b>3.3044</b>	<b>402.7775</b>	<b>780.3956</b>	<b>1,183.1731</b>	<b>1.2073</b>	<b>0.0273</b>	<b>1,221.5022</b>

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

424 430 434 West Milford 43 Unit DB Project - 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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