



# West Hollywood Housing Element Update

Final Environmental Impact Report

SCH #2021040781

*prepared by*

**City of West Hollywood**

8300 Santa Monica Boulevard

West Hollywood, California 90069

Contact: Alicen Bartle, Project Development Administrator

*prepared with the assistance of*

**Rincon Consultants, Inc.**

250 East 1st Street, Suite 1400

Los Angeles, California 90012

**January 2023**



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**RINCON CONSULTANTS, INC.**

Environmental Scientists | Planners | Engineers

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# 1 Introduction

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This Final Environmental Impact Report (EIR) has been prepared by the City of West Hollywood (City) for the City’s Housing Element Update Project (hereafter referred to as “proposed project” or “project”). This Final EIR has been prepared in conformance with the California Environmental Quality Act (CEQA) statutes (Cal. Pub. Res. Code, Section 21000 et. seq., as amended) and implementing guidelines (Cal. Code Regs., Title 14, Section 15000 et. seq.).

Before approving a project, CEQA requires the lead agency to prepare and certify a Final EIR. The City has the principal responsibility for approval of the proposed project and is therefore considered the lead agency under CEQA Section 21067. According to the *CEQA Guidelines*, Section 15132, the Final EIR shall consist of:

- The Draft EIR or a revision of the Draft EIR
- Comments and recommendations received on the Draft EIR either verbatim or in summary
- A list of persons, organizations, and public agencies commenting on the Draft EIR
- The responses of the lead agency to significant environmental points raised in the review and consultation process; and
- Any other information added by the lead agency

While the Final EIR, under the CEQA Guidelines includes the Draft EIR, for purposes of clarity, the term “Final EIR” in this document will refer to everything contained in this document (as described in Section 1.1, below) and not the Draft EIR. “EIR” will refer both to the Final EIR and the Draft EIR.

## 1.1 Format of the Final EIR

The Final EIR consists of the following four chapters:

- **Section 1 – Introduction.** This chapter summarizes the contents of the Final EIR and the environmental review process.
- **Section 2 – Response to Comments.** During the public review period for the Draft EIR, written comment letters were received by the City and oral testimony was provided at public meetings. This chapter contains these comment letters, a summary of the oral testimony, and the City’s responses to the comments.
- **Section 3 – Errata.** Several of the comments that are addressed in the Response to Comments resulted in minor revisions to the information contained in the November 2021 Draft EIR. Several other revisions have been made to correct typographical errors. These revisions are shown in strikeout and underline text in this chapter.
- **Section 4 – Mitigation Monitoring and Reporting Program.** This section of the Final EIR provides the mitigation monitoring and reporting program (MMRP) for the proposed project. The MMRP is presented in table format and identifies mitigation measures for the proposed project, the implementation period for each measure, the monitoring period for each measure, and the enforcing agency. The MMRP also provides a section for recordation of mitigation reporting.

The Final EIR includes an additional appendix due to the revisions to Mitigation Measures AQ-2a and AQ-2b. As shown in Section 2, *Response to Comments*, and Section 3, *Errata*, of the Final EIR, the revised measures include the screening criteria for projects to determine which types of housing project will require application of each mitigation measure. The California Emissions Estimator Model (CalEEMod) was used to determine the appropriate screening criteria. The following appendix is included as part of the Final EIR (Appendices A through F are included as part of the Draft EIR):

- **Appendix G** – CalEEMod Data Sheets for Air Quality Mitigation Measures

## 1.2 Environmental Review Process

### **Notice of Preparation**

The City determined that an EIR would be required for the proposed project and issued a Notice of Preparation (NOP), which was distributed to the State Clearinghouse, interested agencies, and groups on April 30, 2021. Pursuant to Section 15082 of the CEQA Guidelines, recipients of the NOP were requested to provide responses during the public review period after their receipt of the NOP. The NOP public review period ended May 31, 2021. Comments received during the NOP public review period were considered during the preparation of this EIR. The NOP and NOP comments are included in Appendix A of the Draft EIR.

A public agency scoping meeting was held online via Zoom on May 11, 2021. The purpose of this meeting was to seek input from public agencies and the general public regarding the environmental issues and concerns that may potentially result from the proposed project. The City received various verbal comments during the scoping meeting. Public comments, questions, and concerns were heard by the City and are summarized in Section 1.1 of the Draft EIR.

### **Noticing and Availability of the Draft EIR**

The Draft EIR was made available for public review and comment pursuant to CEQA Guidelines Section 15087. The public review period for the Draft EIR started on November 12, 2021 and ended on December 27, 2021. At the beginning of the public review period, the Draft EIR and Notice of Completion (NOC) were submitted to the State Clearinghouse. A Notice of Availability (NOA) was mailed to 27 agencies and organizations. The NOA was filed at the Los Angeles County Clerk on November 16, 2021. The NOA described where the document was available and how to submit comments on the Draft EIR. The NOA and Draft EIR were also made available for public review at the Community Development Department (8300 Santa Monica Boulevard, West Hollywood, California, 90069), on the City's website, and at [wehohousing.rinconconsultants.com](http://wehohousing.rinconconsultants.com). The public review period provided interested public agencies, groups, and individuals the opportunity to comment on the contents of the Draft EIR.

### **Final EIR**

The Final EIR addresses the comments received during the public review period and includes minor changes to the text of the Draft EIR in accordance with comments that necessitated revisions. As demonstrated by the following discussion, the refinements to the project as a result of these revisions would not cause new significant impacts or a substantial increase in the severity of previously identified significant impacts and therefore do not warrant recirculation of the EIR. Accordingly, this Final EIR will be presented to the City Council for potential certification as the



environmental document for the proposed project. All persons who commented on the Draft EIR have been notified of the availability of the Final EIR prior to the City Council hearing, and all agencies that commented on the Draft EIR were provided with a copy of the Final EIR 10 days before EIR certification, pursuant to CEQA Guidelines Section 15088(b). The Final EIR is also posted on the City's website at: [www.weho.org](http://www.weho.org).

Pursuant to CEQA Guidelines Section 15091, the City shall make findings for each of the significant effects identified in this EIR and shall support the findings with substantial evidence in the record. After considering the Final EIR in conjunction with making findings under Section 15091, the lead agency may decide whether or how to approve or carry out the project. The Final EIR for the proposed project identified potentially significant impacts that could result from project implementation. The City finds that the inclusion of certain mitigation measures as part of project approval will still result in certain impacts being significant and unavoidable. As such, a statement of overriding considerations prepared pursuant to CEQA Guidelines Section 15093 is required for this project.

In addition, when approving a project, public agencies must also adopt a mitigation monitoring and reporting program describing the changes that were incorporated into the proposed project or made a condition of project approval to mitigate or avoid significant effects on the environment (CEQA Guidelines Section 15097). The mitigation monitoring and reporting program is adopted at the time of project approval and is designed to ensure compliance during project implementation. Upon approval of the proposed project, the City will be responsible for implementation of the proposed project's mitigation monitoring and reporting program.

## Revisions to the Final EIR

The Draft EIR originally assumed future buildout of 4,284 housing units, which includes the City's RHNA Allocation of 3,933 units and an additional 15 percent buffer. The Draft EIR was made available for public review on November 12, 2021 and ended on December 27, 2021. During public hearings in early 2022, the City Council gave direction to make additional edits and analysis to the Housing Element Update. With the incorporation of these edits, the Inventory of Sites accommodated a total of approximately 4,814 units.

On March 21, 2022, the City Council gave additional direction to revise the Housing Element Update to remove two opportunity sites (APN 553-101-7804 and APNs 433-701-7903, 433-701-7904, 433-701-7900). Two additional sites developed with grocery stores and one site with a gas station were removed from the proposed underutilized sites based on comments received from HCD on the revised Housing Element Update. In addition, density assumptions were increased from 80 units per acre to 120 units per acre to be consistent with recent development trends. The Inventory of Sites for the Housing Element Update has thus been revised to accommodate a total of 4,284 units, which is consistent with the number of units that were analyzed in the original Draft EIR.

The modifications that were made to the Draft EIR are shown in Section 3, *Errata*, of this Final EIR. Overall, the revisions to the Housing Element Update would not result in new significant impacts. The revised Housing Element Update contains the overall same number of housing units analyzed previously. However, because revised Inventory of Sites has less overall sites, environmental impacts identified in the Draft EIR would remain the same, or decrease for the areas that are spatially dependent, and require the same mitigation measures as those set forth in the Draft EIR. Furthermore, the revisions do not cause the Final EIR to be so fundamentally flawed that it precludes meaningful public review. As stated in CEQA Guidelines Section 15088.5(b), "recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes

insignificant modifications in an adequate EIR.” None of the CEQA criteria for recirculation have been met; therefore, recirculation of the Draft EIR is not warranted.

### 1.3 Revisions to the Draft EIR

The comments received during the public review period for the Draft EIR resulted in several minor clarifications and modifications in the text of the November 2021 Draft EIR. In addition, minor editorial corrections have been made in sections of the Draft EIR. These changes are included as part of the Final EIR, to be presented to City decision makers for certification and project approval.

CEQA Guidelines Section 15088.5 sets forth requirements for why a lead agency must recirculate an EIR. A lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the Draft EIR but before certification of the Final EIR. New information may include changes in the project or environmental setting as well as additional data or other information. New information added to an EIR is not considered significant unless the EIR is changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect (including a feasible project alternative) that the project’s proponents have declined to implement. As defined in CEQA Guidelines Section 15088.5(a), significant new information requiring recirculation includes the following:

1. A new significant environmental impact would result from the project or from a new mitigation measure proposed to be implemented.
2. A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.
3. A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the environmental impacts of the project, but the project’s proponents decline to adopt it.
4. The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.

The minor clarifications, modifications, and editorial corrections that were made to the Draft EIR are shown in the Errata of this Final EIR. None of the revisions that have been made to the EIR resulted in new significant impacts; none of the revisions resulted in a substantial increase in the severity of an environmental impact identified in the Draft EIR; and none of the revisions introduced a feasible project alternative or mitigation measure that is considerably different from those set forth in the Draft EIR that would reduce an identified significant impact. Furthermore, the revisions do not cause the Draft EIR to be so fundamentally flawed that it precludes meaningful public review. As none of the CEQA criteria for recirculation have been met, recirculation of the EIR is not warranted. As stated in CEQA Guidelines Section 15088.5(b), “recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR.” All of the changes reflected in the Errata of this Final EIR result in clarifications or amplifications of information provided in the Draft EIR, and these changes are considered insignificant.

## 2 Responses to Comments on the Draft EIR

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This section includes comments received during the circulation of the Draft Environmental Impact Report prepared for the West Hollywood Housing Element Update (project).

The Draft EIR was circulated for a 30-day public review period that began on November 12, 2021 and ended on December 27, 2021. The City of West Hollywood received four comments on the Draft EIR during public hearings and three comment letters on the Draft EIR during the public review period. The commenters and the page number on which each commenter's letter appear are listed below.

Letter No. and Commenter		Page No.
<b>Public Hearing Comments</b>		
1	Historic Preservation Commission, Historical Preservation Commissioners Jacob Sotsky, Lola Davidson, Edward S. Levin, and Gail Ostergren	2-2
2	Historic Preservation Commission, Victor Omelczenko, West Hollywood Preservation Alliance	2-2
3	Planning Commission Public Hearing, Planning Commissioner Lynn Hoopingarner	2-3
4	Planning Commission Public Hearing, Planning Commissioner Lynn Hoopingarner	2-3
5	Planning Commission Public Hearing, Planning Commissioner Tushar Dutta	2-4
<b>Public Comment Letters</b>		
1	Arthur Bernstein	2-5
2	Arthur Bernstein	2-7
3	Rebecca Damavandi	2-11

The public hearing comments, comment letters, and responses follow. The comment letters have been numbered sequentially and each separate issue raised by the commenter, if more than one, has been assigned a number. The responses to each comment identify first the number of the comment letter, and then the number assigned to each issue (Response 1.1, for example, indicates that the response is for the first issue raised in comment Letter 1).

## Historic Preservation Commission Hearing<sup>1</sup>

**COMMENTER:** Historic Preservation Commissioners Jacob Sotsky, Lola Davidson, Edward S. Levin, and Gail Ostergren

**DATE:** November 22, 2021

### Comment 1

Four of the Historic Preservation Commissioners stated the mitigation for the historic and archeological assessments were too broad. The commenters stated that if the mitigation measures apply to all projects, it could create more red tape for projects where the issue is not a concern.

### Response 1

In response to this comment, Mitigation Measures CUL-1, CUL-2a and CUL-2b have been revised to clarify which types of projects will require implementation of these measures for potential impacts to historic and archaeological resources. In addition, the rest of the measures were reassessed and revised to also clarify which types of projects will require implementation of the measures. As a result, mitigation measures for potential impacts associated with air quality emissions and hazardous materials have been revised. The edited measures are shown in Section 3, *Errata*, of this Final EIR.

**COMMENTER:** Victor Omelczenko, West Hollywood Preservation Alliance

**DATE:** November 22, 2021

### Comment 2

The commenters stated concern that Mitigation Measure CUL-1 was not enough to address impacts to historic resources.

### Response 2

In addition to the requirements under Mitigation Measure CUL-1, the EIR concluded that potential impacts to historic resources are significant and unavoidable because Mitigation Measure CUL-1 and existing City of Hollywood regulations would not, in all cases, prevent the alteration, removal, or demolition of a historical resource.

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<sup>1</sup> The agenda for the November 22, 2021 Historic Preservation Commission meeting is available using this link:

<https://www.weho.org/home/showpublisheddocument/51490/637726659860970000>

At the time of publication of this Final EIR, the minutes for this meeting are not yet available on the City's website.

## Planning Commission Public Hearing<sup>2</sup>

**COMMENTER:** Planning Commissioner Lynn Hoopingarner

**DATE:** December 2, 2021

### Comment 3

The Commissioner stated that the EIR analyzed the Draft Housing Element and questioned if the Final Housing Element should have been analyzed.

### Response 3

Because City Council must adopt the EIR along with the Housing Element Update, the analysis and EIR was initiated concurrently with the preparation of the Draft Housing Element. The EIR analysis was completed after numerous community workshops; Planning Commission and City Council hearings; meetings with several City commissions and community organizations, including the Housing Element Task Force, Historic Preservation Commission, Rent Stabilization Commission, Senior Advisory Board, and Transportation Committee; as well as meetings with the California Department of Housing and Community Development. The changes between the Draft Housing Element Update and the Final Housing Element Update include minor site inventory changes, updates to the housing needs and constraints analysis, and minor updates to programs which do not include land use changes. These changes do not impact the analysis of the Draft EIR. This comment does not identify deficiencies or affect the analysis completed or conclusions provided in the Draft EIR analysis.

**COMMENTER:** Planning Commissioner Lynn Hoopingarner

**DATE:** December 2, 2021

### Comment 4

The Commissioner stated that the Housing Element Update would result in housing impacts.

### Response 4

The potential impact to housing under the CEQA Guidelines specifically relates to the displacement of substantial numbers of housing or people as a result of a project that would require replacement housing elsewhere. The Initial Study, included in Appendix B of the Draft EIR, determined the proposed project would not result in significant impacts associated with housing displacement because the Housing Element Update aims to prevent displacement and promote housing stability through its goals, policies, and objectives. In addition, most of the sites identified in the Housing Element Update to accommodate additional housing are in commercial areas and do not have existing residential units. The Housing Element Update is planning for the development of 4,284 housing units, and any displacement of existing housing that would occur would be offset through

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<sup>2</sup> The December 2, 2021, Planning Commission meeting can be viewed using this link:

[https://weho.granicus.com/MediaPlayer.php?view\\_id=31&clip\\_id=3716](https://weho.granicus.com/MediaPlayer.php?view_id=31&clip_id=3716).

The agenda and exhibits for this project are available using this link:

[https://weho.granicus.com/GeneratedAgendaViewer.php?view\\_id=31&clip\\_id=3716](https://weho.granicus.com/GeneratedAgendaViewer.php?view_id=31&clip_id=3716).

the implementation of the Housing Element Update. Therefore, housing impacts were determined to be less than significant.

**COMMENTER:** Planning Commissioner Tushar Dutta

**DATE:** December 2, 2021

### **Comment 5**

The Commissioner stated a feasible alternative should have been analyzed.

### **Response 5**

Section 6, *Alternatives*, of the Draft EIR analyzed two alternatives to the project, including the required Alternative 1, No-Project Alternative, and Alternative 2, RHNA Buffer Reduction Alternative. No other alternatives were evaluated because the four significant and unavoidable impacts (air quality impacts from construction emissions and toxic air contaminants, historical resources, and construction noise) would not be able to be reduced while meeting the objectives of the project, which reflect the requirements of California State housing law and RHNA allocation, and would be rejected and not certified by the California Department of Housing and Urban Development.

As discussed under Section 6.3, *Alternatives Considered but Rejected*, other alternatives were considered for full evaluation. One option was to increase density in single-family residential neighborhoods and away from major transit corridors. Based on a preliminary analysis, this alternative would increase vehicle miles traveled impacts and would require sites to allow a density of at least 30 units per acre. Ultimately, this alternative was rejected because it would not reduce any significant impacts of the proposed project. Another option that was considered was relocation of the sites identified in the site inventory that are currently developed with commercial uses that include gas stations and laundromats. However, this was rejected because the alternative sites identified could contain, or potentially contain, contaminated or hazardous materials and a property assessment would still need to be conducted. Therefore, this alternative was rejected because it would likely increase potential impacts associated with hazards and hazardous materials.

CEQA Guidelines Section 15126.6 requires a no project alternative and a range of alternatives that could feasibly accomplish most of the basic objectives of the project. Because the Housing Element Update cannot include less than the City's regional housing need requirement, the alternatives considered represent the only feasible alternatives.

Letter 1

**From:** Arthur Bernstein <[ahb930@aol.com](mailto:ahb930@aol.com)>  
**Sent:** Thursday, November 18, 2021 9:30 AM  
**To:** Lauren Meister <[LMeister@weho.org](mailto:LMeister@weho.org)>  
**Subject:** EIR Letter

**CAUTION - EXTERNAL SENDER.** Please do not click links or open attachments unless you recognize the source of this email and know the content is safe.

Lauren:

We received the enclosed letter from the city regarding a wide reaching EIR for the entire city relating to affordable housing projects.

**The question is: How does this effect the fact that we thought that there would be various EIR studies done for most of the projects? Are they going to still take place or do they now get swept up in this overall EIR?**

1.1

Its very confusing.

Its also odd that the public comment opened the day after the date of the letter (11/11/21) and 3 days after the letter was received in the mail by the residents.

1.2

Thanks

Arthur

E-mail correspondence with the City of West Hollywood (including any attachment) is a public record under the California Public Records Act, which may be subject to public disclosure under the Act.

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## Letter 1

**COMMENTER:** Arthur Bernstein

**DATE:** November 18, 2021

### **Comment 1.1**

The commenter stated concern with analyzing all the potential housing development projects within one EIR and asks if each individual project will require a separate EIR.

### **Response 1.1**

The Housing Element is a policy document and does not directly result in the development of housing projects. The Draft EIR is a programmatic EIR which used a conservative approach to the analysis by evaluating impacts of the development of housing required under the City's regional housing need as well as from housing developed on sites identified in the Housing Element site inventory; however, the Housing Element Update does not directly result in development of housing on the identified sites. Any future development projects anticipated under the Housing Element Update would undergo an individual environmental review process consistent with current City environmental review policies. This comment does not identify deficiencies or affect the analysis completed in the Draft EIR analysis.

### **Comment 1.2**

The commenter stated the notice letter is dated November 11, 2021, and public comment opened on November 12, 2021, three days after the letter was received in the mail by residents.

### **Response 1.2**

For compliance with Section 15087 of the CEQA Guidelines, the City published the NOA in in the West Hollywood Independent and Beverly Press newspaper on November 12, 2021. Although only one noticing procedure is required under the CEQA Guidelines, in order to ensure that all City residents received notice by the start of the CEQA public review period, the NOA was also mailed to all City residents and dated November 11, 2021, which was the date all letters would be received by residents. The City's public review period for the Draft EIR officially started on November 12, 2021 (when the newspaper notice was published) and the review period ended on December 27, 2021 to allow for a full 45-day review period. As required by Section 15105 of the CEQA Guidelines, this review period coincides with the public review period for the California State Clearinghouse. This comment does not identify deficiencies in the CEQA process or affect the analysis completed in the Draft EIR analysis.



From: Arthur Bernstein <ahb930@aol.com>

Sent: Thursday, December 2, 2021 9:29 AM

To: David Gillig <dgillig@weho.org>; Robyn Eason <REason@weho.org>; Jennifer Alkire <jalkire@weho.org>; City Council Web Email Address <council@weho.org>; Lauren Meister <LMeister@weho.org>; John D'Amico <jdamico@weho.org>; Lindsey Horvath <LHorvath@weho.org>; Sepi Shyne <SShyne@weho.org>; John Erickson <JErickson@weho.org>

Subject: Housing Element - Draft Environmental Impact Report (EIR)

You don't often get email from [ahb930@aol.com](mailto:ahb930@aol.com). [Learn why this is important](#)

**CAUTION - EXTERNAL SENDER.** Please do not click links or open attachments unless you recognize the source of this email and know the content is safe.

Dear Planning Commission Members & City Council Members,

As you probably should know, many of our neighbors have raised concerns regarding the notice which was mailed out regarding the Draft Environmental Impact Report (EIR). Significant impact to air quality, toxins, noise and historical elements are very concerning especially since it is listed as unavoidable in the community notice.

We must strongly reiterate that we believe that a one size fits all EIR for all of West Hollywood is reckless. West Hollywood is made up of very different landscapes, geography and neighborhoods. More protections need to be put in place prior to moving forward with such a strategy.

2.1

We would like the following neighborhood protections implemented:

**1. Minimum 10' set-backs next to and around any historical elements with an equal amount of setback to the structures surrounding the proposed structures in a 360-degree radius in order to create symmetry and neighborhood conformity.**

2.2

**2. No height exemptions allowed for any development on or next to earthquake fault lines, on a hill, or next to a historical element. (This will prevent dangerous development.)**

2.3

**3. Create green space next to any historical element so that the community can experience and appreciate the historical element, thus becoming an asset to the neighborhood rather than a detriment.**

2.4

**4. Air quality and noise ramifications must be addressed. It is not acceptable to permit such significant negative impacts, especially for residents currently living next to proposed project sites. Stricter adherence to toxin removal and clean air quality must be a priority of the city for those residents currently living next to these sites or any proposed new developments.**

2.5

The current proposal is a very one-sided an approach to building at any cost, regardless of negative impacts on current West Hollywood residents or the city long term.

**As you are aware, all City Council members have assured voters that they too oppose thoughtless and dangerous development, yet this plan insures reckless development. The above protections need to be added prior to the passing of any such plans. Please include that this comment is read into the record for public comment in planning and city council meetings.**

2.6

Thank you in advance.

E-mail correspondence with the City of West Hollywood (including any attachment) is a public record under the California Public Records Act, which may be subject to public disclosure under the Act.

## Letter 2

**COMMENTER:** Arthur Bernstein

**DATE:** December 2, 2021

### **Comment 2.1**

The commenter states concern that the EIR encompasses multiple potential development projects and that multiple EIRs were not prepared, considering project sites will be located in different neighborhoods with differing settings.

### **Response 2.1**

See response under Comment Letter 1, Response 1.1.

### **Comment 2.2**

The commenter recommends a 10-foot setback next to any historical elements.

### **Response 2.2**

Section 4.2, *Cultural Resources and Tribal Cultural Resources*, of the Draft EIR evaluated potential impacts to historical resources. The analysis concluded that the City's existing regulations would mitigate impacts to known historical resources to the maximum extent feasible. Under Mitigation Measure CUL-1, discretionary housing projects anticipated under the Housing Element Update that propose to alter or demolish any built environment feature over the 45-year age would be required to complete a historical resources assessment to determine if the property would qualify as a historical resource. Mitigation Measure CUL-1 in combination with existing City regulations would mitigate impacts to historical resources to the maximum extent feasible. Nonetheless, the Draft EIR determined impacts would be significant and unavoidable because Mitigation Measure CUL-1 and existing City of Hollywood regulations would not, in all cases, prevent the alteration, removal, or demolition of a historical resource. This comment does not pertain to the analysis and findings of the Draft EIR. However, the commenter's recommendation is noted for City decision-makers for their review and consideration.

### **Comment 2.3**

The commenter recommends prohibiting height exemptions for any development on or next to earthquake fault lines, on a hill, or next to a historical element.

### **Response 2.3**

The Initial Study, included as Appendix B of the Draft EIR, analyzed the potential adverse effects of developing housing in proximity to fault lines and of impacts from seismic ground shaking. The Hollywood Fault is an active fault line running along the northern boundary of the city that could produce surface fault rupture during an earthquake. Although housing development projects could occur in areas with the potential for fault rupture, they would not directly or indirectly cause or increase potential substantial adverse effects involving the rupture of a known earthquake fault since the project would not involve deep excavations into the earth. In addition, development in the

City is required to adhere to the Uniform Building Code and California Building Code which regulate the design and construction of buildings to mitigate the effects of seismic shaking. The Initial Study concluded that compliance with Uniform Building Code and California Building Code would ensure seismic impacts are less than significant. See Response 2.2 for historical resources. This comment does not pertain to the analysis and findings of the Draft EIR. However, the commenter's recommendation is noted for City decision-makers for their review and consideration.

#### **Comment 2.4**

The commenter recommends requiring a green space next to any historical element.

#### **Response 2.4**

This comment does not pertain to the analysis and findings of the Draft EIR. However, the commenter's recommendation is noted for City decision-makers for their review and consideration.

#### **Comment 2.5**

The commenter states concern regarding air quality and noise impacts of future development projects especially for neighboring residents. The commenter recommends prioritizing toxin removal and clean air quality.

#### **Response 2.5**

Section 4.4, *Hazards and Hazardous Materials*, of the Draft EIR analyzed the potential for public exposure to toxic materials by demolition and construction activities and by development on or near hazardous materials sites. The Draft EIR concluded that implementation of Mitigation Measure HAZ-1 would reduce impacts to potential toxic contaminants from hazardous materials to less than significant.

Potential for air quality impacts is analyzed in Section 4.1, *Air Quality*, of the Draft EIR. The Draft EIR concluded that with the implementation of Mitigation Measure AQ-2b, operational air quality impacts would be less than significant. However, potential impacts associated with construction emissions and toxic air contaminant were determined to be significant and unavoidable with the implementation of Mitigation Measure AQ-2a because it is speculative to assume whether project-specific mitigation measures would reduce emission below the SCAMD thresholds since the nature and intensity of future development projects is unknown. Section 4.5, *Noise*, of the Draft EIR analyzes potential impacts related to noise. Operational noise impacts were determined to be less than significant with the implementation of Mitigation Measure N-2. However, construction noise was determined to be significant and unavoidable with the implementation of Mitigation Measures N-1a through N-1j, which provide protocols to reduce construction adjacent to sensitive receptors.

While the Draft EIR for the Housing Element Update concluded programmatic impacts related to construction air quality, toxic air contaminants, and construction noise would be significant and unavoidable, any future development projects anticipated under the Housing Element Update would undergo an individual environmental review process consistent with current City environmental review policies. Therefore, potential impacts will be assessed on a case-by-case basis which will address site-specific impacts, which may result in additional mitigation measures or conditions of approval.

### **Comment 2.6**

The commenter states that the Housing Element Update would lead to reckless development which would have a negative impact on West Hollywood residents. The commenter requests that their recommended protections are included prior to the approval of the Housing Element Update.

### **Response 2.6**

This comment does not pertain to the analysis and findings of the Draft EIR. However, the commenter's recommendation is noted for City decision-makers for their review and consideration.

Letter 3

-----Original Message-----

From: Rebecca Damavandi <[rebecca@damavandi.com](mailto:rebecca@damavandi.com)>

Sent: Thursday, December 2, 2021 9:24 AM

To: Lauren Meister <[LMeister@weho.org](mailto:LMeister@weho.org)>; John Erickson <[JErickson@weho.org](mailto:JErickson@weho.org)>; John D'Amico <[jdamico@weho.org](mailto:jdamico@weho.org)>;

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Subject: Draft Environmental Impact Report- Housing Element Update

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Dear Planning Commission and City Council

Many of our neighbors have raised concerns regarding the notice which was mailed out regarding the Draft Environmental Impact Report (EIR). Significant impact to air quality, toxins, noise and historical elements are very concerning especially since it is listed as unavoidable in the community notice.

3.1

A one size fits all EIR for all of West Hollywood is wreckless. Weho is made up of very different landscapes and neighborhoods. More protections need to be put in place prior to moving forward with such a strategy.

We would like the following neighborhood protections implemented:

- 1. 10' set backs next to any historical elements
- 2. No height exemptions allowed for any development on or next to earthquake fault lines, on a hill, or next to a historical element. (This will prevent wreckless development.)
- 3. Create green space next to any historical element so that the community can experience and appreciate the historical element.
- 4. Air quality and noise ramifications must be addressed. It is not acceptable to permit such significant negative impacts, especially for residents currently living next to proposed project sites. Stricter adherence to toxin removal and clean air quality must be a priority of the city for those residents currently living next to these sites or any proposed new developments.

3.2-

3.5

This proposal is very one sided; an approach to building at any cost, regardless of negative impacts on current West Hollywood residents or the city long term. All City Council members have assured voters that they oppose reckless development yet this plan ensures wreckless development. The above protections need to be added prior to the passing of any such plans. Please ensure this letter is read into the record for public comment at both planning and city council meetings.

3.6

Thank you  
Rebecca Damavandi

Sent from my iPhone

E-mail correspondence with the City of West Hollywood (including any attachment) is a public record under the California Public Records Act, which may be subject to public disclosure under the Act.

## Letter 3

**COMMENTER:** Rebecca Damavandi

**DATE:** December 2, 2021

### **Comment 3.1**

The commenter states concern regarding the unavoidable air quality, toxins, noise, and historic impacts. In addition, the commenter states concern that just one EIR was prepared for the project considering that the city is made up of different landscapes and neighborhoods.

### **Response 3.1**

See response under Comment Letter 1, Response 1.1.

### **Comment 3.2**

The commenter recommends a 10-foot setback next to any historical elements.

### **Response 3.2**

See response under Comment Letter 2, Response 2.2.

### **Comment 3.3**

The commenter recommends prohibiting height exemptions for any development on or next to earthquake fault lines, on a hill, or next to a historical element.

### **Response 3.3**

See response under Comment Letter 2, Response 2.3.

### **Comment 3.4**

The commenter recommends requiring a green space next to any historical element.

### **Response 3.4**

See response under Comment Letter 2, Response 2.4.

### **Comment 3.5**

The commenter recommends prioritizing toxin removal and clean air quality.

### **Response 3.5**

See response under Comment Letter 2, Response 2.5.

### **Comment 3.6**

The commenter states that the Housing Element Update would lead to reckless development which would have a negative impact on West Hollywood residents. The commenter requests that their recommended protections are included prior to the approval of the Housing Element Update.

### **Response 3.6**

See response under Comment Letter 2, Response 2.6.

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## 3 Errata

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As required by *CEQA Guidelines* Section 15088, this chapter provides corrections or clarifications of certain statements in the Draft EIR. The correction(s) and/or addition(s) do not constitute significant new information, as defined by *CEQA Guidelines* Section 15088.5 because they would not result in new significant impacts or a substantial increase in the severity of any impact already identified in the Draft EIR. New information is not significant unless the Draft EIR is changing in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect that the City has declined to implement.

Corrections or information has been added to the Draft EIR pursuant to *CEQA Guidelines* Section 15132, as part of the preparation of the Final EIR. Additions to the text of the Draft EIR are shown by underline, and deletions to the text of the Draft EIR are shown by strikethrough unless otherwise described. Where revisions are made to mitigation measures, those revisions are listed under the relevant impact section; however, the revisions are also intended to apply to the Executive Summary. Relevant page numbers in both the applicable impact section and the Executive Summary are listed. The following corrections and additions make minor modifications herein and have not been found to affect the impact analysis or conclusions in the Draft EIR.

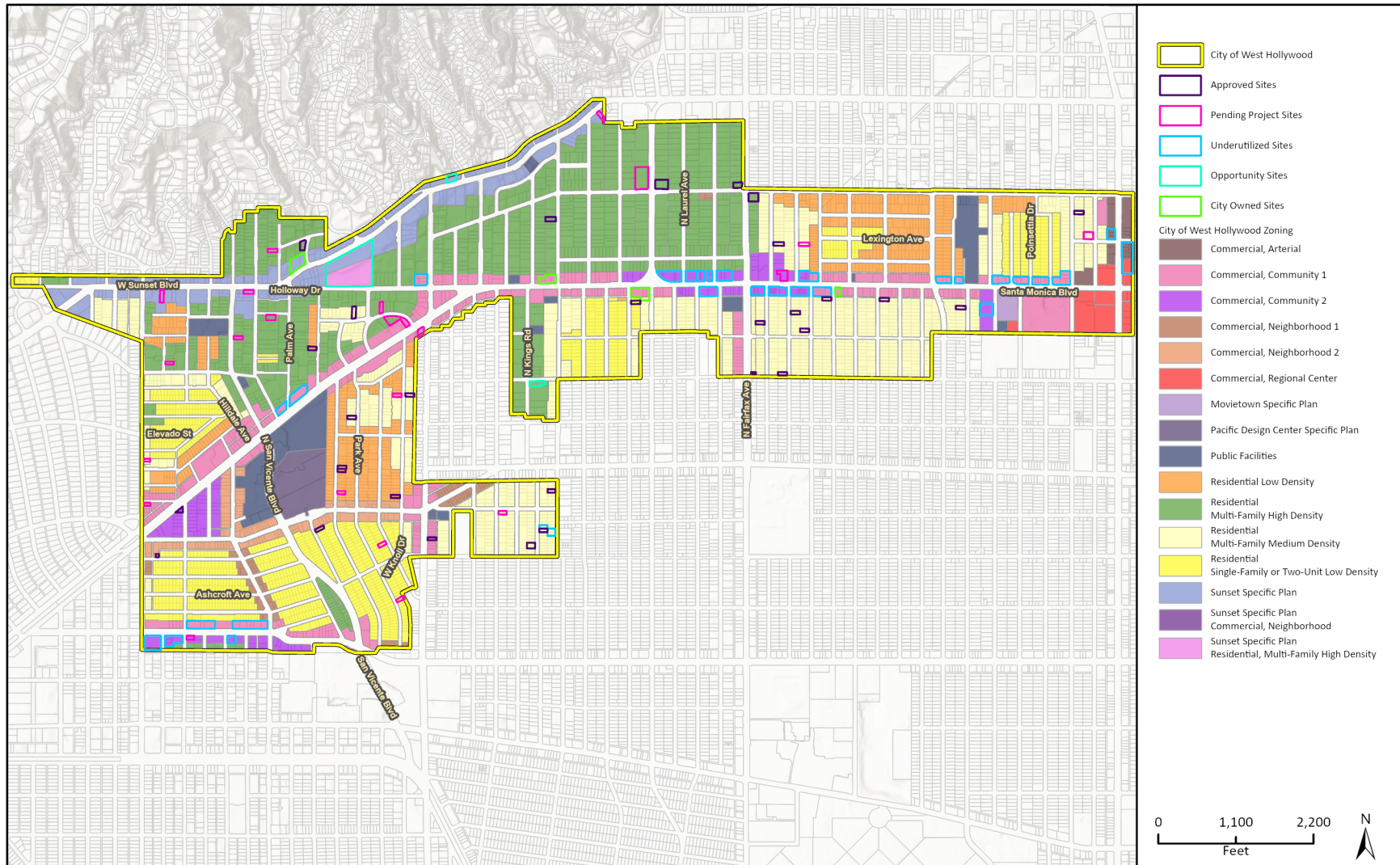
### 3.1 Project Description Changes

Based on recent, minor updates to the site inventory, in-text revisions have been made to Section 2, *Project Description*, of the Draft EIR to reflect updated project characteristics. The following changes update the description of the proposed project based on the revisions to the Housing Element Update, but do not alter the analysis or conclusions of the EIR.

#### *Section 2.5 Project Characteristics – Page 2-8*

The site plan shown in Figure 2-4 has been revised to account for approved projects that were withdrawn or finalized; pending projects that were withdrawn, became approved, or were recently submitted; and two new underutilized sites added to account for the withdrawn projects.

**Figure 2-4 Housing Element Site Inventory**



Basemap provided by Esri and its licensors © 2022.  
 Additional data provided by County of Los Angeles, 2022.

### 3.2 Impact Analysis Changes

#### Air Quality

Based on recent updates to the site inventory, in-text revisions have been made to Section 4.1 3, *Air Quality*, of the Draft EIR. The following changes do not alter the conclusions of the EIR:

*Section 4.1 Air Quality – Page 4.1-21*

The estimated daily operational emissions of criteria air pollutants and precursors associated with buildout of the Housing Element Update were updated based on the revisions to the site inventory. While the total number or proposed housing units remains the same, the revisions to the site inventory altered the assumptions used to analyze future operational emissions related to development allowed under the Housing Element by increasing the proposed density of new housing units and removing 4 identified housing sites.

The following changes have been made to Table 4.1-6 based on the revised air quality analysis:

**Table 4.1-6 Estimated Operational Criteria Air Pollutant Emissions (lbs/day)**

Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area	<u>110130</u>	<u>69133</u>	<u>380408</u>	<1	<u>712</u>	<u>712</u>
Energy	1	10	4	<1	<1	<1
Mobile	<u>4043</u>	<u>3736</u>	<u>328326</u>	1	<u>7978</u>	21
<b>Total</b>	<b><u>152174</u></b>	<b><u>114179</u></b>	<b><u>712738</u></b>	<b><u>12</u></b>	<b><u>8791</u></b>	<b><u>2934</u></b>
SCAQMD Regional Significance Thresholds	55	55	550	150	150	55
<b>Threshold Exceeded?</b>	<b>Yes</b>	<b>Yes</b>	<b>Yes</b>	<b>No</b>	<b>No</b>	<b>No</b>

SCAQMD = South Coast Air Quality Management District; lbs/day = pounds per day; VOC = volatile organic compounds; NO<sub>x</sub> = nitrogen oxides; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = particulate matter measuring 10 microns or less in diameter; PM<sub>2.5</sub> = particulate matter measuring 2.5 microns or less in diameter

Source: Appendix C

*Section 4.1 Air Quality – Page 4.1-22 and Executive Summary – Page ES-4 and ES-5*

The following changes have been made to Mitigation Measure AQ-2a to provide a screening criteria that narrows down the types of projects that will require implementation of this measure:

*AQ-2a Construction Equipment Exhaust Emissions Control Measures*

For individual housing projects built under the Housing Element Update that meet the criteria in the table below, the City shall require ~~each that the~~ project applicant to complete a project-specific construction air quality study. The air quality study shall quantify construction emissions associated with all air pollutant sources, including but not limited to off-road construction equipment, demolition and grading activities, construction worker trips, vendor trips, and haul

trips, and compare total emissions to applicable SCAQMD regional and localized significance thresholds. If project-level emissions would exceed SCAQMD thresholds, the City shall require the implementation of measures to reduce construction-related air pollutant emissions below SCAQMD thresholds to the extent feasible, as a condition of project approval. Measures may include, but would not be limited to:

- Construction equipment equipped with Tier IV certified engines or CARB-certified Level 3 diesel particulate filters shall be utilized to the extent that this equipment is commercially available. “Commercially available” shall be defined as the availability of Tier IV equipment in geographic proximity to the project site and within a reasonable timeframe relative to critical path construction timing. If Tier IV equipment is not commercially available, Tier III equipment shall be utilized, and documentation shall be provided by the project applicant to the City stating that Tier IV equipment is not commercially available with supporting evidence from the contractor. If CARB-certified Level 3 diesel particulate filters are utilized, they shall be kept in working order and maintained in operable condition according to manufacturer’s specifications, as applicable.
- Commercial electric power shall be provided to the project site in adequate capacity to avoid or minimize the use of portable gas-powered electric generators and equipment.
- Where feasible, equipment requiring the use of fossil fuels (e.g., diesel) shall be replaced or substituted with electrically-powered equivalents (provided they are not run via a portable generator set).
- To the extent feasible, alternative fuels and emission controls shall be used to further reduce exhaust emissions.
- On-site equipment shall not be left idling when not in use.
- The hours of operation of heavy-duty equipment and/or the amount of equipment in use at any one time shall be limited.
- Staging areas for heavy-duty construction equipment shall be located as far as possible from sensitive receptors.

In addition, if the construction air quality study determines that project-level emissions would exceed SCAQMD LSTs for PM<sub>10</sub> and/or PM<sub>2.5</sub>, a construction Health Risk Assessment shall be prepared to evaluate whether the health risk associated with project-specific construction activities would exceed the SCAQMD significance thresholds for TACs. The construction Health Risk Assessment shall quantify the carcinogenic health risk and non-carcinogenic hazard index associated with DPM exhaust emissions from project-specific construction activities at the Maximally Exposed Individual Resident and evaluate the health risk and hazard index in comparison to SCAQMD thresholds. If the project-level health risk and/or hazard index associated with construction activities would exceed SCAQMD thresholds, the City shall require the implementation of measures to reduce construction-related air pollutant emissions below SCAQMD thresholds to the extent feasible, as a condition of project approval. Measures may include, but would not be limited to, those presented in the bulleted list above.

This mitigation measure shall not apply to housing projects with development parameters that are at or below the screening criteria for construction emissions as shown in the project screening criteria table below because these projects would not generate construction emissions in excess of SCAQMD thresholds due to their small size.

**Screening Criteria for Less-than-Significant Air Quality Construction Impacts**

<u>Housing Type</u>	<u>Maximum Number of Units</u>	<u>Maximum Total Floor Surface Area</u>	<u>Maximum Project Site Size</u>	<u>Maximum Demolition Quantity</u>	<u>Maximum Soil Export Quantity</u>	<u>Maximum Soil Import Quantity</u>
<u>Single Family Residences</u>	<u>9 units</u>	<u>16,200 sf</u>	<u>3 acres</u>	<u>30,000 sf</u>	<u>4,000 cubic yards</u>	<u>4,000 cubic yards</u>
<u>Low-Rise Apartments (One to Two Stories)</u>	<u>45 units</u>	<u>45,000 sf</u>	<u>3 acres</u>	<u>30,000 sf</u>	<u>4,000 cubic yards</u>	<u>4,000 cubic yards</u>
<u>Mid-Rise Apartments (Three to Ten Stories)</u>	<u>110 units</u>	<u>110,000 sf</u>	<u>3 acres</u>	<u>30,000 sf</u>	<u>4,000 cubic yards</u>	<u>4,000 cubic yards</u>
<u>Condominiums/Townhomes (One to Two Stories)</u>	<u>45 units</u>	<u>45,000 sf</u>	<u>3 acres</u>	<u>30,000 sf</u>	<u>4,000 cubic yards</u>	<u>4,000 cubic yards</u>
<u>Congregate Care (Assisted Living)</u>	<u>45 units</u>	<u>45,000 sf</u>	<u>3 acres</u>	<u>30,000 sf</u>	<u>4,000 cubic yards</u>	<u>4,000 cubic yards</u>

sf = square feet

See Appendix G of the Final EIR for CalEEMod runs for each land use category, which demonstrate that emissions would fall below the applicable SCAQMD thresholds of significance.

Section 4.1 Air Quality – Page 4.1-22-4.1-24 and Executive Summary Page ES-6

The following changes have been made to Mitigation Measure AQ-2b to provide a screening criteria that narrows down the types of projects that will require implementation of this measure:

*AQ-2b Operational Emissions Control Measures*

For individual housing projects built under the Housing Element Update that meet the criteria in the table below, the City shall require ~~each~~ that the project applicant ~~to~~ complete a project-specific operational air quality study. The air quality study shall quantify operational emissions associated with all air pollutant sources, including but not limited to area, energy, and mobile sources, and compare total emissions to applicable SCAQMD thresholds. If project-level emissions would exceed SCAQMD thresholds, the City shall require the implementation of measures to reduce operational air pollutant emissions below SCAQMD thresholds to the extent feasible, as a condition of project approval. Measures may include, but would not be limited to:

- Elimination of ~~No~~ natural gas fireplaces ~~shall be installed.~~
- Elimination of ~~No~~ natural gas connections ~~shall be installed.~~
- The use of all-electric landscaping and maintenance equipment shall be encouraged.
- Encouragement ~~The use of~~ low-VOC consumer products (e.g., household cleaners, parking lot degreasers) and low-VOC architectural coatings ~~shall be encouraged.~~
- Additional electric vehicle charging stations beyond those required by the California Building Energy Efficiency Standards and CALGreen ~~shall be installed.~~
- Continued enforcement of the A residential transportation demand management (TDM) program ~~shall be developed and implemented~~, which may include the following measures:
  - TDM coordinator or website to provide transit information and/or coordinate carpooling/ridesharing
  - Designated loading/unloading areas for rideshare vehicles

- Additional bicycle parking beyond that required by WHMC Section 19.28.150
- Car and/or bicycle sharing programs
- If not present along the project site frontage(s), provide easements for or construction of public improvements in the right-of-way, such as bicycle lanes and/or sidewalks shall be installed or easements shall be dedicated to the City for future installation.

This mitigation measure shall not apply to housing projects with development parameters that are at or below the screening criteria for operational emissions as shown in the project screening criteria table below because these projects would not generate operational emissions in excess of SCAQMD thresholds due to their small size.

**Screening Criteria for Less-than-Significant Air Quality Operational Impacts**

<u>Housing Type</u>	<u>Maximum Number of Units</u>	<u>Maximum Total Floor Surface Area</u>	<u>Maximum Project Site Size</u>
<u>Single Family Residences</u>	<u>160 units</u>	<u>288,000 sf</u>	<u>52 acres</u>
<u>Low-Rise Apartments (One to Two Stories)</u>	<u>175 units</u>	<u>175,000 sf</u>	<u>11 acres</u>
<u>Mid-Rise Apartments (Three to Ten Stories)</u>	<u>180 units</u>	<u>180,000 sf</u>	<u>5 acres</u>
<u>Condominiums/Townhomes (One to Two Stories)</u>	<u>175 units</u>	<u>175,000 sf</u>	<u>11 acres</u>
<u>Congregate Care (Assisted Living)</u>	<u>175 units</u>	<u>175,000 sf</u>	<u>11 acres</u>

sf = square feet

N/A = Not Applicable (demolition and soil quantities do not apply to operational emissions)

See Appendix G of the Final EIR for CalEEMod runs for each land use category, which demonstrate that emissions would fall below the applicable SCAQMD thresholds of significance.

## Significance After Mitigation

Adherence to SCAQMD rules and regulations and policies in the current General Plan and proposed Housing Element Update as well as implementation of Mitigation Measures AQ-2a and AQ-2b would reduce criteria air pollutant emissions associated with buildout of the Housing Element Update to the extent feasible. However, it is speculative to determine whether project-level emissions associated with reasonably foreseeable development under the Housing Element Update that exceed the screening criteria in the tables above would be reduced below the SCAQMD project-level significance thresholds because the nature and intensity of future housing projects is not known at this time. Therefore, impacts would be significant and unavoidable. Individual development projects that exceed the screening criteria in tables above would be reviewed for project-specific impacts during any required environmental review. If project-specific significant impacts are identified, applicable mitigation measures will be placed on the project as conditions of approval.

## Cultural Resources and Tribal Cultural Resources

*Section 4.2 Cultural Resources and Tribal Cultural Resources – Page 4.2-32 and Executive Summary Page ES-7*

At the public hearing on November 22, 2021, the Historic Preservation Commission commented that the cultural resources mitigation measures are too broad and possibly too onerous for smaller developments. As such, the following changes have been made to Mitigation Measure CUL-1 to narrow down the type of housing development that would require implementation of this measure under the proposed Housing Element Update. Also, Mitigation Measure CUL-2a, below, has been removed and Mitigation Measure CUL-1 has been revised to meet the CEQA standards for a Cultural Resources Assessment. The revisions to Mitigation Measure CUL-1 and maintaining Mitigation Measure CUL-2b (now renamed to CUL-2) ensure that the components of Mitigation Measure CUL-2a that mitigate potential impacts to archeological resources remain as mitigation under Mitigation Measure CUL-1, while the largely unnecessary Mitigation Measure CUL-2a is deleted. In addition, as required by the City Council, a City-wide historic survey is conducted every five years which may also identify cultural resources. The revisions to CUL-1 will address cultural resources needs (inclusive of archaeology and the built environment):

*CUL-1 ~~Historical Resources Built Environment~~ Cultural Resources Assessment*

Prior to approval of specific discretionary housing projects anticipated under the Housing Element Update, the City shall determine if there are built environment features which are over 45 years of age (i.e., potential historical resources) proposed to be altered or demolished. If historical-age features are ~~present~~ proposed to be altered or demolished, a historical resources assessment shall be performed by an architectural historian or historian who meets the National Park Service Professional Qualification Standards (PQS) in architectural history or history. The qualified architectural historian or historian shall conduct and an intensive-level survey in accordance with the California Office of Historic Preservation guidelines. Such studies may include a records search with the California Historical Resources Information System (CHRIS) and requested a search of the Sacred Lands File (SLF) with the Native American Heritage Commission (NAHC). A city-wide historic survey completed by the City of West Hollywood may also be consulted to identify locally designated or eligible historical resources. All evaluated properties shall be evaluated within their

historic context and documented in a technical memorandum with Department of Parks and Recreation Series 523 Forms. Should evaluated properties be determined ineligible for historical resources qualification, the report will be submitted to the City for review and approval. Should a property be found to qualify as a historical resource (i.e., eligible for listing in the NRHP, CRHP, or the local register), the project shall be subject to the City’s regulations for the issuance of a certificate of appropriateness pursuant to Chapter 19.58 of the West Hollywood Municipal Code.

*Section 4.2 Cultural Resources and Tribal Cultural Resources – Page 4.2-24*

Based on recent, minor updates to the site inventory, in-text revisions have been made to Section 4.2 2, *Cultural Resources and Tribal Cultural Resources*, of the Draft EIR. The following changes do not alter the conclusions of the EIR:

A review of parcel data for the properties comprising the ~~Site Inventory~~ found an additional ~~13630~~ properties which have not been subject to previous historical resources evaluation, but which currently meet the 45 year age threshold generally triggering the need for evaluation. An additional six properties will become 45 years age during the eight-year planning period of the Housing Element Update. Pending further analysis there is potential for these previously unevaluated properties to qualify as historical resources pursuant to CEQA. For the purposes of this study, these properties are considered potential historical resources. All known and potential individual historical resources located within the project area are listed below in Table 4.2-1.

**Table 4.2-1 Inventory Sites Containing Historical Resources and Properties Containing Buildings Which Are or Will Become 45 Years of Age**

Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
521 N. Alfred Street	5528-018-047	N/A	Pre-1947	Opportunity; Under-utilized	N/A
8811 Beverly Boulevard	4336-018-015	N/A	1952	Under-utilized	N/A
8816 Beverly Boulevard	4334-001-001	N/A	1931	Under-utilized	N/A
8823 Beverly Boulevard	4336-018-016	N/A	1938	Under-utilized	N/A
8833 Beverly Boulevard	4336-018-018	N/A	1953	Under-utilized	N/A
8844 Beverly Boulevard	4335-001-001; 4335-001-003	N/A	1947/1967	Under-utilized	N/A
8847 Beverly Boulevard	4336-018-019	N/A	1938	Under-utilized	N/A
8850 Beverly Boulevard	4335-001-030	N/A	1959	Under-utilized	N/A
8927 Beverly Boulevard	4336-019-034	N/A	1931	Under-utilized	N/A
8933 Beverly Boulevard	4336-019-023	N/A	1946	Under-utilized	N/A
8950 Beverly Boulevard	4335-003-027	N/A	1954	Pending project	N/A



Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
8955 Beverly Boulevard	4336-019-036	N/A	1958	Under-utilized	N/A
9000 Beverly Boulevard	4335-004-029	N/A	1952	Under-utilized	N/A
9012 Beverly Boulevard	4335-004-001	N/A	1927	Under-utilized	N/A
9018 Beverly Boulevard	4335-004-002	N/A	1925	Under-utilized	N/A
9040 Beverly Boulevard	4335-005-025	N/A	1975	Under-utilized	N/A
1114 N. Crescent Heights Boulevard	5554-014-013	N/A	1940; 1953	Under-utilized	N/A
1305-17 N. Crescent Heights Boulevard	5554-008-015	N/A	1968	Pending project	N/A
<del>8970 Cynthia Street</del>	<del>4340-021-028</del>	<del>N/A</del>	<del>1918</del>	<del>Pending project</del>	<del>N/A</del>
1048 N. Curson Avenue	5530-018-006	N/A	1921	Approved project	N/A
732 N. Doheny Drive	4340-014-003	N/A	1922	Pending project	N/A
804 N. Doheny Drive	4340-018-026	N/A	1925	Pending project	N/A
9031 Dorrington Avenue	4336-023-023	N/A	1924	Approved project	N/A
900 N. Fairfax Avenue	5530-027-006	N/A	1976	Approved project	N/A
1282 N. Fairfax Avenue/7870 W. Fountain Avenue	5530-001-001	Crescent Heights Methodist Church	1924	<del>Pending</del> <u>Approved</u> project	5S1/5S2
1301 N. Fairfax Avenue	5554-002-010	N/A	1922	<del>Pending</del> <u>Approved</u> project	N/A
536 N Flores Street	5528-004-036	N/A	1925	Approved project	N/A
540 N. Flores Street	5528-004-035	N/A	1925	Under-utilized	N/A
1108 N. Flores Street	5554-021-126	N/A	1922	City-owned	N/A
1111 N. Formosa Avenue	5531-007-022	N/A	1962	Under-utilized	N/A
1117 N. Formosa Avenue	5531-007-023	N/A	1974	Under-utilized	N/A
1049 N. Fuller Ave.	5531-021-024; 5531-021-021	N/A	1993; 1956	Under-utilized	N/A
1005 N. Genesee Avenue	5530-014-019	N/A	1926	Approved project	N/A
955 Hancock Avenue	4339-010-067	N/A	1910	Approved project	N/A
<u>1105 Hayworth Avenue</u>	<u>5554-013-022</u>	<u>N/A</u>	<u>1925; 1936</u>	<u>Under-utilized</u>	<u>N/A</u>

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Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
<u>1111 Hayworth Avenue</u>	<u>5554-013-021</u>	<u>N/A</u>	<u>1925</u>	<u>Under-utilized</u>	<u>N/A</u>
8505 Holloway Dr./1107-1111 N. La Cienega Boulevard	5555-005-006; 5555-005-007; 5555-005-008	N/A	1967	Under-utilized	N/A
8517 Holloway Drive	5555-005-009	N/A	1940	Under-utilized	N/A
1147 Horn Avenue	5560-022-023	N/A	1954	Pending project	N/A
652 Huntley Drive	4337-011-033	N/A	1924	<del>Pending</del> <u>Approved</u> project	N/A
522 N. La Cienega Boulevard	5528-018-039	N/A	1934	<del>Pending</del> <u>Approved</u> project	N/A
624 N La. Cienega Boulevard	5528-017-070	N/A	1973	Pending project	N/A
1130 N. La Brea Avenue	5531-013-024	N/A	1968	Under-utilized	N/A
1136 N. La Brea Avenue	5531-013-006	N/A	1958	Under-utilized	N/A
1140 N. La Brea Avenue	5531-013-005	N/A	1916	Under-utilized	N/A
1146 N. La Brea Avenue	5531-013-002	N/A	1920	Under-utilized	N/A
1150 N. La Brea Avenue	5531-013-001	N/A	1929	Under-utilized	N/A
1201 N. La Brea Avenue	5531-011-001	N/A	1927	Under-utilized	N/A
<del>1257 N. La Brea Avenue</del>	<del>5531-011-030</del>	<del>N/A</del>	<del>1930</del>	<del>Under-utilized</del>	<del>N/A</del>
1105 N. Laurel Avenue	5554-014-008	N/A	1922	Under-utilized	5S3
7068 Lexington Avenue	5531-013-026	N/A	1951	Under-utilized	N/A
1041 N. Martel Avenue	5531-022-019	N/A	1924	Pending project	N/A
1045 N. Martel Avenue	5531-022-018	N/A	1923	Pending project	N/A
1049 N. Martel Avenue	5531-022-017	N/A	1924	Pending project	N/A
901 N. Ogden Drive	5530-026-009	N/A	1939	Pending project	N/A
1032 N. Ogden Drive	5530-014-011	N/A	1919	<del>Pending</del> <u>Approved</u> project	N/A
1102 N. Ogden Drive	5530-003-022	N/A	1922	Under-utilized	N/A
1154 N. Ogden Dive.	5530-003-014	N/A	1920	Pending project	N/A
<del>1223 N. Ogden Drive</del>	<del>5530-002-036</del>	<del>N/A</del>	<del>1923</del>	<del>Pending</del> project	<del>N/A</del>

Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
1019 N. Orange Grove Avenue	5530-012-019	N/A	1924	Approved project	N/A
1150 N. Orange Grove Avenue	5530-002-015	N/A	1920	<del>Pending</del> <u>Approved</u> project	N/A
<u>560 Orlando Avenue</u>	<u>5528-014-045</u>	<u>N/A</u>	<u>1926</u>	<u>Pending project</u>	<u>N/A</u>
803 Palm Avenue	4339-012-022	N/A	1923	Under-utilized	N/A
301 N. Robertson Boulevard	4336-018-014	N/A	1954	Under-utilized	N/A
<del>7171 Romaine Street</del>	<del>5531-017-804</del>	<del>N/A</del>	<del>ca. 1970</del>	<del>Opportunity; Under-utilized</del>	<del>N/A</del>
417 San Vicente Boulevard	4337-021-069	N/A	1979	Under-utilized	N/A
<del>720 San Vicente Boulevard</del>	<del>4337-017-900;</del> <del>4337-017-904</del>	<del>N/A</del>	<del>ca. 1975</del>	<del>Opportunity; Under-utilized</del>	<del>N/A</del>
7201 Santa Monica Boulevard	5531-007-020	N/A	1923	Under-utilized	5S3
7207 Santa Monica Boulevard	5531-007-021	N/A	1924	Under-utilized	5S3
7215 Santa Monica Boulevard	5531-007-054	N/A	1924	Under-utilized	N/A
7231 Santa Monica Boulevard	5531-006-019	N/A	1946	Under-utilized	N/A
7235 Santa Monica Boulevard	5531-006-020	N/A	1980	Under-utilized	N/A
7243 Santa Monica Boulevard	5531-006-021	N/A	1922	Under-utilized	N/A
7265 Santa Monica Boulevard	5531-005-027	N/A	1954	Under-utilized	N/A
7273 Santa Monica Boulevard	5531-005-028	N/A	1923	Under-utilized	N/A
7273 Santa Monica Boulevard	5531-005-029	N/A	1946	Under-utilized	N/A
7317 Santa Monica Boulevard	5531-004-051	N/A	1941	Under-utilized	N/A
7321 Santa Monica Boulevard	5531-004-049	N/A	1941; 1958	Under-utilized	N/A
7335 Santa Monica Boulevard	5531-004-024	N/A	1929	Under-utilized	N/A
7385 Santa Monica Boulevard	5531-003-034	N/A	1982	Under-utilized	N/A
7415 Santa Monica Boulevard	5531-002-023	N/A	1940	Under-utilized	N/A
7473 Santa Monica Boulevard	5531-002-001	N/A	1971	Under-utilized	N/A
7722 Santa Monica Blvd.	5530-015-009	N/A	1920; 1920; 1930	Under-utilized	N/A

City of West Hollywood  
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Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
7728 Santa Monica Boulevard	5530-015-008	Monica Theater/ Pussycat Theater/ Tomkat Theater	ca. 1945	Under-utilized	5S3
7740 Santa Monica Boulevard	5530-015-006	N/A	1921	Under-utilized	N/A
7742 Santa Monica Boulevard	5530-015-005	N/A	1924	Under-utilized	N/A
7744 Santa Monica Boulevard	5530-015-004	N/A	1923	Under-utilized	N/A
7746 Santa Monica Boulevard	5530-015-003	N/A	1923	Under-utilized	N/A
7748 Santa Monica Boulevard	5530-015-002	N/A	1923; 1924	Under-utilized	N/A
7750 Santa Monica Boulevard	5530-015-001	N/A	1920; 1923	Under-utilized	N/A
7755 Santa Monica Boulevard	5530-003-052	N/A	1973	Under-utilized	N/A
7756 Santa Monica Boulevard	5530-014-006	N/A	1923	Under-utilized	N/A
7760 Santa Monica Boulevard	5530-014-005	N/A	1935	Under-utilized	N/A
7761 Santa Monica Boulevard	5530-003-049	N/A	1924	Under-utilized	N/A
7764 Santa Monica Boulevard	5530-014-004	N/A	1940	Under-utilized	N/A
7767 Santa Monica Boulevard	5530-003-024	N/A	1924	Under-utilized	N/A
7768 Santa Monica Boulevard	5530-014-003	N/A	1923	Under-utilized	N/A
7771 Santa Monica Boulevard	5530-003-023	N/A	1922	Under-utilized	N/A
7772 Santa Monica Boulevard	5530-014-002	N/A	1921	Under-utilized	N/A
7800 Santa Monica Boulevard	5530-013-031	N/A	1982	Under-utilized	N/A
7811 Santa Monica Boulevard	5530-002-067	N/A	1924	Pending project	N/A
7814 Santa Monica Boulevard	5530-013-006	N/A	1924	Under-utilized	N/A
7820 Santa Monica Boulevard	5530-013-005	N/A	1921	Under-utilized	N/A
7828 Santa Monica Boulevard	5530-013-004	N/A	1948	Under-utilized	N/A

Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
7832 Santa Monica Boulevard	5530-013-003	N/A	1954	Under-utilized	N/A
7836 Santa Monica Boulevard	5530-013-001	N/A	1918	Under-utilized	N/A
7854 Santa Monica Boulevard	5530-012-004	N/A	1922	Under-utilized	N/A
7868 Santa Monica Boulevard	5530-012-003	N/A	1970	Under-utilized	N/A
7870 Santa Monica Boulevard	5530-012-025	N/A	1968	Under-utilized	N/A
7925 Santa Monica Boulevard	0554-013-011	N/A	1959	Under-utilized	N/A
7929 Santa Monica Boulevard	0554-013-012	N/A	1912; 1950	Under-utilized	N/A
7935 Santa Monica Boulevard	0554-013-013	N/A	1923	Under-utilized	N/A
7950 Santa Monica Boulevard	5529-014-047	N/A	1975	Under-utilized	N/A
7960 Santa Monica Boulevard	5529-014-035	N/A	Ca. 1960	Under-utilized	N/A
<u>7957 Santa Monica Boulevard (approx.)</u>	<u>5554-013-023</u>	<u>N/A</u>	<u>1946</u>	<u>Under-utilized</u>	<u>N/A</u>
<u>7965 Santa Monica Boulevard Avenue</u>	<u>5554-013-024</u>	<u>N/A</u>	<u>Pre-1948</u>	<u>Under-utilized</u>	<u>N/A</u>
<u>7985 Santa Monica Boulevard</u>	<u>5554-013-026</u>	<u>French Marketplace/French Quarter Restaurant</u>	<u>1936/1956</u>	<u>Under-utilized</u>	<u>5S3</u>
8009 Santa Monica Boulevard	5554-014-009	N/A	1964	Under-utilized	N/A
<del>8020 Santa Monica Boulevard</del>	<del>5529-024-026</del>	<del>N/A</del>	<del>1977</del>	<del>Under-utilized</del>	<del>N/A</del>
<del>8032 Santa Monica Boulevard</del>	<del>5529-024-003</del>	<del>N/A</del>	<del>1924</del>	<del>Under-utilized</del>	<del>N/A</del>
<del>8036 Santa Monica Boulevard</del>	<del>5529-024-002</del>	<del>N/A</del>	<del>1924</del>	<del>Under-utilized</del>	<del>N/A</del>
<del>8042 Santa Monica Boulevard</del>	<del>5529-024-001</del>	<del>N/A</del>	<del>1923</del>	<del>Under-utilized</del>	<del>N/A</del>
8301 Santa Monica Boulevard	5554-021-023	N/A	1922	City-owned	N/A
8315 Santa Monica Boulevard	5554-021-022	N/A	1923	City-owned	N/A
8325 Santa Monica Boulevard	5554-021-900	N/A	pre-1947	Pending project	N/A
8327 Santa Monica Boulevard	5554-021-009	N/A	1927	Pending project	N/A

City of West Hollywood  
**West Hollywood Housing Element Update**

Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
<del>8445 Santa Monica Boulevard</del>	5555-003-029	N/A	1942	<del>Pending project</del>	N/A
<u>8500 Santa Monica Boulevard</u>	<u>4337-001-013</u>	<u>N/A</u>	<u>1954</u>	<u>Pending project</u>	<u>N/A</u>
8531 Santa Monica Boulevard	4339-005-013	N/A	1925	Pending Project	N/A
8543 Santa Monica Boulevard	4339-005-025	N/A	1940; 1972	Pending project	N/A
8787 Santa Monica Boulevard	4339-010-032	N/A	1964	Under-utilized	N/A
<del>8800 Santa Monica Boulevard</del>	<del>4337-017-903</del>	<del>N/A</del>	<del>Ca. 1975</del>	<del>Opportunity</del>	<del>N/A</del>
8809 Santa Monica Boulevard	4339-012-021	N/A	1923	Under-utilized	N/A
<del>9001 Santa Monica Boulevard / 711 Ramage Street</del>	<del>4340-011-024</del>	<del>N/A</del>	<del>1924; 1946; 1968</del>	<del>Pending project</del>	<del>N/A</del>
400 N. Sherbourne Drive	4337-021-030	N/A	1926/1969	Under-utilized	N/A
8760 Shoreham Drive	5559-003-033	N/A	1938	<del>Pending</del> <u>Approved</u> project	N/A
1051 N. Spaulding Avenue	5530-015-031	N/A	1940	<del>Pending</del> <u>Approved</u> project	N/A
8228 W. Sunset Boulevard	5554-018-020	N/A	1927	Pending project	N/A
8616-26 W. Sunset Boulevard	5559-002-016	N/A	ca. 1935	Opportunity; Under-utilized	5S2
8850 W. Sunset Boulevard	4339-017-001	N/A	1921	Pending project	N/A
9034 W. Sunset Boulevard	4340-026-024	N/A	1956	Pending project	N/A
515 N. Sweetzer Avenue	5528-004-046	N/A	1928	Pending project	N/A
533 N. Sweetzer Avenue	5528-004-050	N/A	1928	Under-utilized	N/A
537 N. Sweetzer Avenue	5528-004-051	N/A	1925	Under-utilized	N/A
623 N. Sweetzer Avenue	5528-015-043	N/A	1933	Pending project	N/A
8532 N. West Knoll Drive	4339-005-012	N/A	1924	Pending Project	N/A
8538 N. West Knoll Drive	4339-005-011	N/A	1923	Pending Project	N/A
8546 N. West Knoll Drive	4339-005-010	N/A	1923	Pending Project	N/A

Address	APN	Resource Name	Date(s) of Construction	Site Type	Eligibility Status
8552 N. West Knoll Drive	4339-005-009	N/A	1924	Pending Project	N/A
8615 N. West Knoll Drive	4339-008-018	N/A	1928	<del>Pending</del> <u>Approved</u> project	N/A
823 Westbourne Drive	4337-013-007	N/A	1924	<del>Pending</del> <u>Approved</u> project	N/A
<del>435 Westmount Drive</del>	<del>4337-012-059</del>	<del>N/A</del>	<del>1927</del>	<del>Approved</del> project	<del>N/A</del>
148 Wetherly Drive	4335-004-005	N/A	1979	Under-utilized	N/A
152 Wetherly Drive	4335-004-004	N/A	1926	Under-utilized	N/A
8328 Willoughby Avenue	5529-004-016	N/A	1925	Opportunity; Under-utilized	N/A

Sources: NRHP, CRHR, OHP Built Environment Resource Directory; *City of West Hollywood Historic Resources Survey 1986-1987*, *City of West Hollywood R2, R3, R4 Multi-Family Survey Report* (2008), *City of West Hollywood Commercial Historic Resources Survey* (2016); City of West Hollywood web site.

Section 4.2 Cultural Resources and Tribal Cultural Resources – Page 4.2-33 and Executive Summary Page ES-7

At the public hearing on November 22, 2021, the Historic Preservation Commission commented that the cultural resources mitigation measures are too broad and possibly too onerous for smaller developments. As such, Mitigation Measures CUL-2a has been removed and CUL-2b (now referred to as CUL-2) has been revised to narrow down the type of housing development that would require implementation of this measure under the Housing Element Update:

*CUL-2a — Archaeological Resources Assessment*

~~Prior to approval of any individual development discretionary housing projects anticipated under the Housing Element Update that will involve ground disturbance activities for new structures with housing with below grade excavation that may include, but are not limited to, pavement removal, potholing, grubbing, tree removal, and grading, an archaeological resources assessment shall be performed under the supervision of an archaeologist that meets the Secretary of the Interior’s Professional Qualifications Standards (PQS) in either prehistoric or historic archaeology. Assessments shall include a CHRIS records search at the NWIC and of the Sacred Lands File Search maintained by the NAHC. The records searches shall characterize the results of previous cultural resource surveys and disclose any cultural resources that have been recorded and/or evaluated in and around the project site. A Phase I pedestrian survey shall be undertaken in proposed project areas that are undeveloped to locate any surface cultural materials. By performing a records search, consultation with the NAHC, and a Phase I survey, a qualified archaeologist shall be able to classify the project area as having high, medium, or low sensitivity for archaeological resources.~~

~~If the Phase I archaeological survey identifies resources that may be affected by the project, the archaeological resources assessment shall also include Phase II testing and evaluation. If resources are determined significant or unique through Phase II testing and site avoidance is not~~

~~possible, appropriate site-specific mitigation measures shall be identified in the Phase II evaluation. These measures may include, but would not be limited to, a Phase III data recovery program, avoidance, or other appropriate actions to be determined by a qualified archaeologist. If significant archaeological resources cannot be avoided, impacts may be reduced to less than significant by filling on top of the sites rather than cutting into the cultural deposits. Alternatively, and/or in addition, a data collection program may be warranted, including mapping the location of artifacts, surface collection of artifacts, or excavation of the cultural deposit to characterize the nature of the buried portions of sites. Curation of the excavated artifacts or samples would occur as specified by the archaeologist~~

#### *CUL-2b Unanticipated Discoveries*

If cultural resources are encountered during ground-disturbing activities associated with ~~individual development~~ discretionary housing projects anticipated under the Housing Element Update, work in the immediate area shall be halted and an archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for archaeology in either prehistoric or historic archaeology shall be contacted immediately to evaluate the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for CRHR eligibility. If the discovery proves to be significant under CEQA and cannot be avoided by the project, additional work such as excavating the cultural deposit to fully characterize its extent, and collecting and curating artifacts may be warranted to mitigate any significant impacts to cultural resources. In the event that archaeological resources of Native American origin are identified during project construction, a qualified archaeologist will consult with the City to begin Native American consultation procedures.

### **Significance After Mitigation**

Mitigation Measures CUL-1 and CUL-2a ~~and CUL-2b~~ would reduce potential impacts to a less than significant level by requiring the identification and evaluation of any archaeological resources that may be present prior to project construction and by providing steps for the evaluation and protection of unanticipated finds encountered during construction.

### **Greenhouse Gas Emissions**

Based on recent, minor updates to the site inventory, in-text revisions have been made to Section 4.3.3, Greenhouse Gas Emissions, of the Draft EIR. The following changes do not alter conclusions of the EIR:

#### *Section 4.3 Greenhouse Gas Emissions – Page 4.3-13*

Based on the revisions to the site inventory, the assumptions used to analyze future construction emissions related to development allowed under the Housing Element were revised. While the total number or proposed housing units remains the same, the revisions to the site inventory increased the proposed density of new housing units, reduced the number of sites identified for housing, and reduced the total square footage of existing buildings that would be demolished. As such, the following are edits to Section 4.3, *Greenhouse Gas Emissions*:



## Construction Emissions

Future construction based on the Housing Element Update was analyzed based on the CalEEMod default construction schedule and construction equipment list. It was assumed that approximately ~~2,507,078~~1,754,161 square feet of existing buildings (equal to a one-story building on all the proposed housing sites, which total approximately ~~57.55~~40.27 acres) would be demolished to accommodate reasonably foreseeable development. This is a conservative assumption as many identified housing sites have parking lots and undeveloped areas, and are not entirely developed with structures. In addition, conservatively assuming that each site would require one level of subterranean parking approximately 10 feet in depth, approximately ~~25,070,781~~17,541,612 cubic feet of soil export would be required, which equates to approximately ~~928,547~~649,689 cubic yards. It is assumed that all construction equipment used would be diesel-powered. This analysis assumes that the project would comply with all applicable regulatory standards. In accordance with SCAQMD recommendation, GHG emissions from construction of the General Plan Update were amortized over a 30-year period and added to annual operational emissions to determine the project's total annual GHG emissions (SCAQMD 2008b).

### Section 4.3 Greenhouse Gas Emissions – Page 4.3-14

Based on the revisions to the site inventory, the assumptions used to analyze mobile source emissions and future service population related to development allowed under the Housing Element were revised as follows:

#### *Mobile Source Emissions*

Mobile source emissions were estimated using the trip generation rate for mid-rise multi-family apartment units from the Institute of Transportation Engineers' Trip Generational Manual, 10th Edition, which is included by default in CalEEMod. The "Increase Density," "Increase Diversity," "Increase Destination Accessibility," "Increase Transit Accessibility," and "Integrate Below Market Rate Housing" options in CalEEMod were used to account for the average density of ~~74.4~~106.38 dwelling units per acre (4,284 units on ~~57.55~~40.27 acres), the proximity of housing sites to mixed-use and commercial development, the location of West Hollywood within a Central Business District (CARB 2021b), the availability of transit throughout West Hollywood, and the inclusion of ~~46.8~~65.1 percent ~~affordable housing units below market rate housing.~~

#### *Service Population*

The service population of a project is the number of estimated residents and employees accommodated by the project. As discussed in Section 14, *Population and Housing*, of the Initial Study (Appendix B), based on the average household size of 1.53, an increase of 4,284 residential units under the proposed Housing Element Update would generate a population increase of approximately ~~6,555~~4 residents. The proposed Housing Element Update would not facilitate the development of new commercial uses; therefore, the service population of the project is ~~6,555~~4 persons.

Section 4.3 Greenhouse Gas Emissions – Page 4.3-18

Based on revisions to the site inventory, the following changes have been made to Section 4.3.4, *Greenhouse Gas Emissions*, of the Draft EIR:

Construction of the reasonably foreseeable development from the Housing Element Update would generate temporary GHG emissions primarily as a result of operation of construction equipment on-site as well as from vehicles transporting construction workers to and from the project site and heavy trucks to transport building materials and soil export. As shown in Table 4.3-3, construction of reasonably foreseeable development would generate an estimated total of ~~25,357,561,155~~ MT of CO<sub>2</sub>e. Amortized over a 30-year period per SCAQMD guidance, construction of the proposed project would generate an estimated ~~845,187~~8451,872 MT of CO<sub>2</sub>e per year.

**Table 4.3-2 Estimated Construction GHG Emissions**

Year	Emissions (MT of CO <sub>2</sub> e)
<del>2022</del> <u>4</u>	<del>480</del> <u>458</u>
<del>2023</del> <u>2</u>	<del>6,170</del> <u>1,447</u>
<del>2024</del> <u>3</u>	<del>4,923</del> <u>6,341</u>
<del>2025</del> <u>4</u>	<del>4,867</del> <u>9,464</u>
<del>2026</del> <u>5</u>	<del>4,744</del> <u>9,541</u>
<del>2027</del> <u>6</u>	<del>3,943</del> <u>9,351</u>
<del>2028</del>	<del>9</del> <u>147</u>
<del>2029</del> <u>7</u>	<del>230</del> <u>10,406</u>
<b>Total</b>	<del><b>25,357,561,155</b></del>
<b>Amortized over 30 years</b>	<del><b>845,187</b></del> <u><b>8451,872</b></u>

MT = metric tons; CO<sub>2</sub>e = carbon dioxide equivalents

Notes: Emissions modeling was completed using CalEEMod. See Appendix C for modeling results.

Operation of the reasonably foreseeable development would generate GHG emissions associated with area sources (e.g., fireplaces, landscape maintenance), energy and water usage, vehicle trips, and wastewater and solid waste generation. As shown in, Table 4.3-4 annual operational emissions combined with amortized construction emissions would total approximately ~~19,826~~24,323 MT of CO<sub>2</sub>e per year, or approximately ~~3.03~~3.7 MT of CO<sub>2</sub>e per service person per year, which would not exceed the locally-applicable, project-specific threshold of 4.2 MT of CO<sub>2</sub>e per year. Therefore, impacts would be less than significant.

**Table 4.3-3 Combined Annual GHG Emissions**

<b>Emission Source</b>	<b>Annual Emissions (MT of CO<sub>2</sub>e per year)</b>
<b>Construction</b>	<u>8451,872</u>
<b>Operational</b>	
Area	<u>1,0051,945</u>
Energy	4,998
Mobile	<u>10,81610,910</u>
Solid Waste	<u>9912,108</u>
Water	<u>1,1712,490</u>
<b>Total Emissions</b>	<b><u>19,82624,323</u></b>
Residential Population	<u>6,5546,555</u>
<b>Emissions per Service Person</b>	<b><u>3.03.7</u></b>
Threshold	4.2
Threshold Exceeded?	No
MT = metric tons; CO <sub>2</sub> e = carbon dioxide equivalents	
Notes: Emissions modeling was completed using CalEEMod. See Appendix C for modeling results.	

### Section 4.3 Greenhouse Gas Emissions – Page 4.3-27

The following changes have been made to Section 4.3.5, *Greenhouse Gas Emissions*, of the Draft EIR to reflect the revisions to the site inventory:

The geographic scope for related projects considered in the cumulative impact analysis for GHG emissions is global because the impacts of climate change are experienced on a global scale regardless of the location of GHG emission sources. Therefore, GHG emissions and climate change are, by definition, cumulative impacts. As discussed under Section 4.4.1(c), Potential Effects of Climate Change, the adverse environmental impacts of cumulative GHG emissions, including sea level rise, increased average temperatures, more drought years, and more large forest fires, are already occurring. As a result, cumulative impacts related to GHG emissions are significant. Thus, the issue of climate change involves an analysis of whether a project's contribution towards an impact is cumulatively considerable. Refer to Impacts GHG-1 and GHG-2 for a detailed discussion of the impacts of the proposed Housing Element Update related to climate change and GHG emissions. As discussed therein, emissions associated with the Housing Element Update would be approximately 3.03.7 MT of CO<sub>2</sub>e per service person per year, which would not exceed the locally-applicable, project-specific threshold of 4.2 MT of CO<sub>2</sub>e per service person per year. Furthermore, the Housing Element Update would be consistent with the GHG emission reduction policies of the City's General Plan and Climate Action Plan, the SCAG 2020-2045 RTP/SCS, and the CARB 2017 Scoping Plan. Therefore, the contribution of the General Plan Update to the cumulative impact of climate change would not be cumulatively considerable.

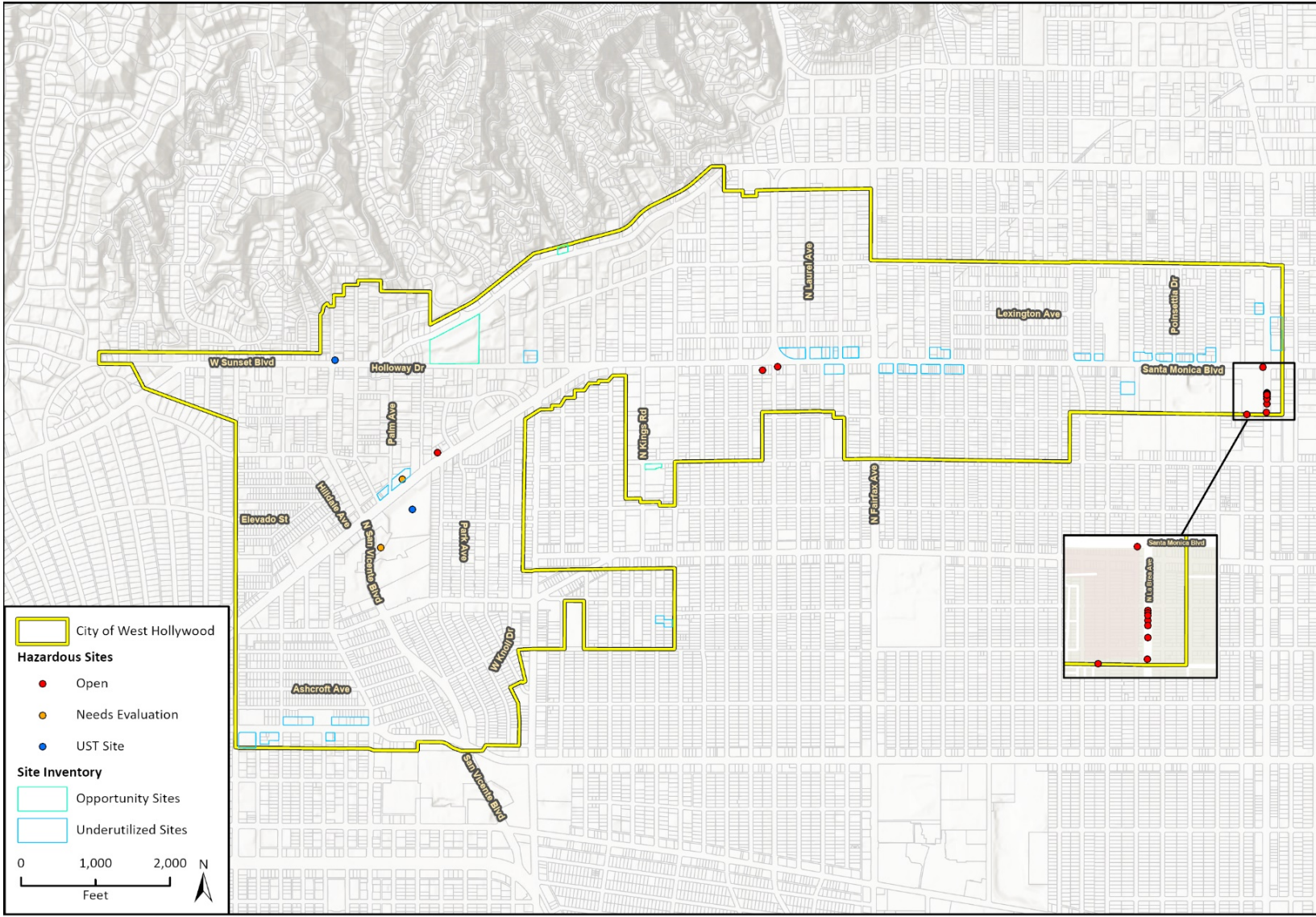
## Hazards and Hazardous Materials

### Section 4.4 Hazards and Hazardous Materials – Page 4.4-3 – 4.4-5

Based on the revised site inventory, the following changes have been made to Section 4.4.1, Hazards and hazardous Materials, of the Draft EIR. In addition, Figure 4.4-1 has been revised to account for the removal of two opportunity sites, two sites developed with grocery stores, and one site with a gas station from the site inventory. The following changes do not alter the r conclusions of the EIR:

As shown in Figure 4.4-1, out of the ~~35-33~~ sites that were included in the site inventory for the Housing Element Update, there are ~~nine five~~ sites (~~Sites 1, 3, 4, 8, 10, 12, 13, 25, and 26~~) that are located on or in proximity to sites that DTSC and SWRCB have identified as containing or potentially containing hazardous materials contamination. ~~Sites 1, 3, 4, 8, 10, and 25~~ Two sites are on or in proximity to open sites containing or potentially containing hazardous materials contamination; ~~Sites 4, 12, and 13~~ two sites are on or in proximity to hazardous or potentially hazardous sites in need of evaluation; and ~~Sites 4, 12, 13, and 26~~ three sites are on or in proximity to USTs. In addition, ~~Sites 8 and 9~~ Two sites include laundromats; however, ~~Site 9~~ one site is not identified by DTSC or SWRCB as a site containing or potentially containing hazardous materials contamination. There is a possibility that ~~Site 9~~ the site includes hazardous materials contamination as laundromats are a use that typically generates hazardous waste. Therefore, there are ~~10~~ six sites within the city that are located on or in proximity to sites containing or potentially containing hazardous materials contamination.

Figure 4.4-1 West Hollywood Hazardous Material Sites



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Additional data provided by County of Los Angeles, 2020, DTSC, 2022, and SWRCB, 2022.

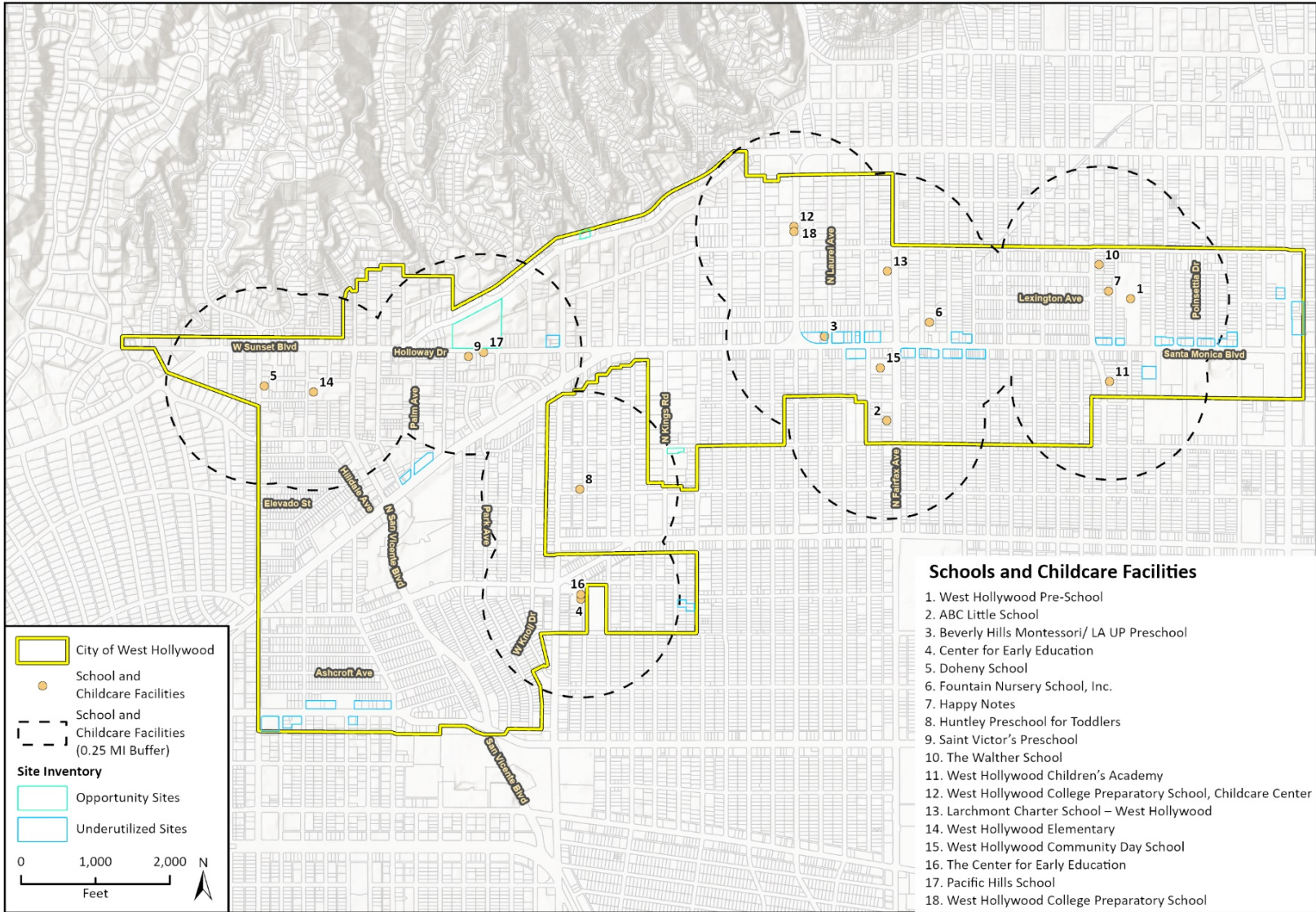
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WeHo Hazardous Materials Sites

*Section 4.4 Hazards and Hazardous Materials – Page 4.4-5 – 4.4-6*

The following changes have been made to Section 4.4.1, *Hazards and Hazardous Materials*, of the Draft EIR to reflect the revised site inventory. In addition, Figure 4.4-2 has been revised to account for the removal of two opportunity sites, two sites developed with grocery stores, and one site with a gas station from the site inventory. The following changes do not alter the analysis or conclusions of the EIR, but rather correct the description of the proposed project:

School locations require consideration because children are particularly sensitive to hazardous materials exposure. Additional protective regulations apply to projects that could use or disturb potentially hazardous products near or at schools. The California Public Resources Code requires projects that would be located within a quarter mile of a school and might reasonably be expected to emit or handle hazardous materials to consult with the school district regarding potential hazards. There are 12 childcare/preschool facilities, two elementary schools, and four high schools within the City (West Hollywood n.d.). Public schools in the City are part of the Los Angeles Unified School District (LAUSD). The City also includes various private schools. See Figure 4.4-2 for the locations of schools and childcare facilities within the City and the location of all sites identified in the sites inventory under the Housing Element Update. As shown in Figure 4.4-2, out of the ~~3533~~ sites that were included in the site inventory for the Housing Element Update, there are ~~2722~~ sites (~~Sites 1, 12, 14, 16, 20, 26, 28, 31, 33, 34~~) that are located within a quarter mile radius of existing schools and childcare facilities in West Hollywood.

Figure 4.4-2 West Hollywood School and Childcare Locations



Section 4.4 Hazards and Hazardous Materials – Page 4.4-15

The following changes have been made to Section 4.4.4, *Hazards and Hazardous Materials*, of the Draft EIR to reflect the revised site inventory. The following changes do not alter the conclusions of the EIR:

As mentioned in the Environmental Setting, there are ~~27~~22 sites from the Housing Element ~~Site~~ inventory that are located within a quarter mile radius of existing schools and childcare facilities in West Hollywood. Hazardous materials and waste generated from reasonably foreseeable development accommodated under the proposed project at these ~~27~~22 sites would not pose a health risk to nearby schools or childcare facilities as a majority of these developments would be residential, which is a use that does not typically handle or emit hazardous materials or substances. Additionally, if any of the ~~27~~22 sites include mixed-use residential developments, businesses developed as part of these developments that handle or have on-site storage of hazardous materials would be required to comply with the provisions of the California Fire Code and the HHMD CUPA requirements set forth in the California Health and Safety Code, Division 20, Chapter 6.95, Articles 1 and 2. As described in the Regulatory Setting above, all businesses that handle more than a specified amount of hazardous materials are required to submit a hazardous materials business plan to a regulating agency, in this case, the HHMD. Therefore, reasonably foreseeable development accommodated under the proposed project at these ~~27~~22 sites would not result in use of new hazardous material use within a quarter mile radius of existing schools and childcare facilities in West Hollywood, and impacts would be less than significant.

Section 4.4 Hazards and Hazardous Materials – Page 4.4-15 – 4.4-16

The following changes have been made to Section 4.4.4, *Hazards and Hazardous Materials*, of the Draft EIR to reflect the revised site inventory. The following changes do not alter the conclusions of the EIR:

As mentioned in the Environmental Setting, out of the ~~35~~33 sites that were included in the Housing Element site inventory, there are ~~10~~six sites (~~Sites 1, 3, 4, 8, 9, 10, 12, 13, 25, and 26~~) that are located on or in proximity to sites that contain, or potentially contain, contaminated or hazardous materials (shown in Figure 4.4-1). A full list of all sites identified by DTSC and SWRCB as containing or potentially containing hazardous materials contamination within the city and their cleanup status can be reviewed in Appendix D (DTSC 2021; SWRCB 2021).

The Housing Element Update would not directly result in project development as it is a policy document. However, reasonably foreseeable development accommodated under the proposed project at the ~~10~~six sites identified as being located on or in proximity to sites containing or potentially containing hazardous materials contamination could expose construction workforce during ground activities, such as grading, to hazardous materials present or potentially present on-site. In addition, future occupants could potentially be exposed through contaminated soil or drinking water resulting from hazardous materials present on-site. As such, impacts related to the release of hazardous materials are potentially significant. Mitigation Measure HAZ-1 would be required to ensure an assessment of hazardous materials contamination and potential remediation occurs prior to construction activities. Any future development accommodated under the proposed project occurring at



these ~~10~~ six sites would be preceded by remediation and cleanup under the supervision of the RWQCB or DTSC before construction activities could commence.

*Section 4.4 Hazards and Hazardous Materials– Page 4.4-16 – 4.4-18 and Executive Summary Page ES-7*

The following changes have been made to Mitigation Measure HAZ-1 to clarify when the soil management plan and remediation requirements under the measure will be necessary:

*HAZ-1 Property Assessment – Phase I and II ESAs*

Prior to the start of construction (demolition or grading), the project applicant shall retain a qualified environmental professional (EP), as defined by American Society for Testing and Materials (ASTM) E-1527, to complete one of the following:

If the project is not listed in Appendix D of this EIR, DTSC’s GeoTracker, or SWRCB’s EnviroStor, then the proponent shall retain a qualified environmental consultant, California Professional Geologist (PG) or California Professional Engineer (PE), to prepare a Phase I ESA. If the Phase I ESA identifies recognized environmental conditions or potential concern areas, a Phase II ESA shall be prepared.

If the project is listed in Appendix D of this EIR, DTSC’s GeoTracker or SWRCB’s EnviroStor, then the project proponent shall retain a qualified environmental consultant, California Professional Geologist (PG) or California Professional Engineer (PE), to prepare a Phase II ESA to determine whether the soil, groundwater, and/or soil vapor has been impacted at concentrations exceeding regulatory screening levels for commercial/industrial land uses. Any and all recommended actions included in the Phase II ESA will be followed. This may include the preparation of a Soil Management Plan (SMP) for Impacted Soils (see below) prior to project construction and/or completion of remediation at the proposed project prior to on-site construction.

The completed ESAs shall be submitted to the lead agency for review and approval prior to issuance of building or grading permits.

**SOIL MANAGEMENT PLAN REQUIREMENTS**

If recommended under the Phase II ESA, the SMP, or equivalent document, shall be prepared to address on-site handling and management of impacted soils or other impacted wastes, and reduce hazards to construction workers and off-site receptors during construction. The SMP shall be submitted to the lead agency, and must establish remedial measures and/or soil management practices to ensure construction worker safety, the health of future workers and visitors, and the off-site migration of contaminants from the site. These measures and practices may include, but are not limited to:

- Stockpile management including stormwater pollution prevention and the installation of BMPs
- Proper disposal procedures of contaminated materials
- Monitoring and reporting
- A health and safety plan for contractors working at the site that addresses the safety and health hazards of each phase of site construction activities with the requirements and procedures for employee protection

- The health and safety plan will also outline proper soil handling procedures and health and safety requirements to minimize worker and public exposure to hazardous materials during construction.

The lead agency shall review and approve the development site SMP for impacted soils prior to demolition and grading (construction).

### **SOIL REMEDIATION REQUIREMENTS**

If the Phase II ESA finds that soil present within the construction envelope at the development site contains chemicals at concentrations exceeding hazardous waste screening thresholds for contaminants in soil (CCR Title 22, Section 66261.24), the project proponent shall retain a qualified environmental consultant (PG or PE), to conduct additional analytical testing and recommend soil disposal recommendations, or consider other remedial engineering controls, as necessary.

The qualified environmental consultant shall utilize the development site analytical results for waste characterization purposes prior to off-site transportation or disposal of potentially impacted soils or other impacted wastes. The qualified environmental consultant shall provide disposal recommendations and arrange for proper disposal of the waste soils or other impacted wastes (as necessary), and/or provide recommendations for remedial engineering controls, if appropriate.

The project applicant shall review and approve the disposal recommendations prior to transportation of waste soils off-site, and review and approve remedial engineering controls, prior to construction.

Remediation of impacted soils and/or implementation of remedial engineering controls, may require additional delineation of impacts; additional analytical testing per landfill or recycling facility requirements; soil excavation; and off-site disposal or recycling.

The lead agency will review and approve the development site disposal recommendations prior to transportation of waste soils off-site and review and approve remedial engineering controls, prior to construction

### **Significance After Mitigation**

Mitigation Measure HAZ-1 requires that any development near an active hazardous materials site would be preceded by investigation, remediation, and cleanup under the supervision of the RWQCB or DTSC, before construction activities could begin. In addition, HAZ-1 requires that any potential development site location listed on DTSC or SWRCB (Appendix D) conducts a Phase II ESA for soil sampling and environmental professional recommendations for remediation, as needed, which would reduce potential impacts to a less than significant level. Therefore, the construction and operation of future development accommodated under the proposed project at the ~~10~~six sites within the Housing Element site inventory that have been identified as being located on or in proximity to sites containing or potentially containing hazardous materials contamination would not create a significant hazard to the public or environment. The proposed mitigation measure would reduce potential contamination impacts to a less than significant level.

This mitigation measure consists of procedural actions which would not result in physical changes in the environment that could result in secondary impacts. Any potential remediation of contamination would be required to comply with regulations and regulatory agency oversight,

which may require subsequent environmental review. Any impacts from remediation would be speculative at this time.

## Noise

### Section 4.5 Noise– Page 4.5-20 – 4.5-21 and Executive Summary Page ES-7

In order to clarify when noise mitigation is required for implementation and for consistency with the West Hollywood Municipal Code, the following changes have been made to Mitigation Measures N-1b, N-1d, N-1e, and N-1g

#### N-1b Enclosures and Screening

All outdoor fixed mechanical equipment shall be enclosed or screened from off-site noise-sensitive uses (i.e. residences, senior housing, schools, hospitals, places of worship, and parks). The equipment enclosure or screen shall be impermeable (i.e., solid material with minimum weight of two pounds per square feet) and break the line-of-sight from the equipment and off-site noise-sensitive uses.

#### N-1d Equipment Idling

Construction vehicles and equipment shall not be left idling and shall be turned off for longer than five minutes when not in use.

#### N-1e Construction Staging

Construction staging areas and fixed and/or stationary equipment shall be located as far from noise-sensitive uses (i.e., residences, senior housing, schools, hospitals, places of worship, and parks) as reasonably possible and feasible in consideration of site boundaries, topography, intervening roads and uses, and operational constraints.

#### N-1g Workers' Radios

All noise from workers' radios, including any on-site music, shall be controlled to a point that they are not audible at off-site noise-sensitive uses (i.e., residences, senior housing, schools, hospitals, places of worship, and parks).

## Transportation

### Section 4.6 Transportation– Page 4.6-10

Based on revisions to the site inventory, changes have been made to Section 4.6.3, *Transportation*, of the Draft EIR. The following changes do not alter the conclusions of the EIR,:

Based on the above evaluation, the Housing Element Update would not require further VMT analysis (Appendix F). Therefore, no significant transportation impact is anticipated with the reasonably foreseeable development under the Housing Element Update and impacts would be less than significant.

The revised site inventory removed 4 sites and 1 parcel from the site inventory. All remaining sites are in the same high quality transit areas as previously analyzed in the Transportation Analysis. Therefore, impacts related to transportation would remain less than significant.

## Appendices

The following appendix has been added as new appendix to the Final EIR in support of recommendations during public hearings.

### *Appendix G of the Final EIR*

As discussed under *Air Quality* above, in order to clarify the types of projects that will require implementation of Mitigation Measures AQ-2a and AQ-2b, a screening criteria was developed for housing projects that would fall below SCAQMD air quality construction and operation thresholds. The CalEEMod data sheets documenting the approach to determine the screening levels are included as Appendix G to the Final EIR. This addition to the appendices provides clarifying information for the applicability of Mitigation Measures AQ-2a and AQ-2b and would not result in new significant impacts or a substantial increase in the severity of previously identified significant impacts and therefore do not warrant recirculation of the EIR.

## 3.3 Conclusion

As demonstrated by the foregoing discussion, the refinements to the project and revisions to the Draft EIR's analysis would not result in new significant impacts or a substantial increase in the severity of previously identified significant impacts and therefore do not warrant recirculation of the EIR.

*CEQA Guidelines* Section 15088.5 requires that an EIR that has been made available for public review, but not yet certified, be recirculated only if significant new information has been added to the EIR. Pursuant to *CEQA Guidelines* section 15088.5(c), the entire document need not be circulated if revisions are limited to specific portions of the document. The relevant portions of *CEQA Guidelines* Section 15088.5 read as follows:

*(a) A lead agency is required to recirculate an EIR when significant new information is added to the EIR after public notice is given of the availability of the draft EIR for public review under Section 15087 but before certification. As used in this section, the term "information" can include changes in the project or environmental setting as well as additional data or other information. New information added to an EIR is not "significant" unless the EIR is changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project or a feasible way to mitigate or avoid such an effect (including a feasible project alternative) that the project's proponents have declined to implement. "Significant new information" requiring recirculation include, for example, a disclosure showing that:*

- 1) A new significant environmental impact would result from the project or from a new mitigation measure proposed to be implemented.*
- 2) A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.*
- 3) A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the environmental impacts of the project, but the project's proponents decline to adopt it.*
- 4) The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded.*

*(b) Recirculation is not required where the new information added to the EIR merely clarifies or amplifies or makes insignificant modifications in an adequate EIR.*

The information contained in this Errata makes insignificant changes to the information that has already been presented in the Draft EIR dated November 2021. In addition, the revisions to the site inventory are limited to minor removal and additions to sites based on recent project submittals or withdrawals. These revisions do not change the overall RHNA requirement for the City and are not significant because the EIR is not changed in a way that deprives the public of a meaningful opportunity to comment upon a substantial adverse environmental effect of the project. Further, the revisions to mitigation measures provided in the Draft EIR, including Air Quality, Cultural and Tribal Resources, and Hazards and Hazardous Materials, were provided in response to comments received on the Draft EIR. As demonstrated in those revised mitigation measures and in this Errata, the proposed refinements to the project and the revisions to the Draft EIR's analyses would not result in any new significant impacts or a substantial increase in the severity of any impact already identified in the Draft EIR or Final EIR. Thus, none of the conditions in Section 15088.5 of the CEQA Guidelines are met and recirculation is not required.

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## **4 Mitigation Monitoring and Reporting Program**

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CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the EIR, specifications are made herein that identify the action required, the monitoring that must occur, and the agency or department responsible for oversight.

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>Air Quality</b>							
<b>AQ-1: Participation in AQMP Planning</b>							
The City shall work with SCAQMD and SCAG to implement the AQMP and meet all federal and State air quality standards. The City shall participate in any future amendments and updates to the AQMP. The City shall also implement, review, and interpret the Housing Element Update and future discretionary projects in a manner consistent with the AQMP to meet standards and reduce overall emissions from mobile and stationary sources.	Verification that the City has implemented the AQMP and met all federal and State air quality standards.	Ongoing, as needed for consistency with AQMP standards	Continuous	City of West Hollywood Planning and Development Services			
<b>AQ-2a: Construction Equipment Exhaust Emissions Controls Measures</b>							
For individual housing projects built under the Housing Element Update that meet the criteria in the table below, the City shall require that the project applicant to complete a project-specific construction air quality study. The air quality study shall quantify construction emissions associated with all air pollutant sources, including but not limited to off-road construction equipment, demolition and grading activities, construction worker trips, vendor trips, and haul trips, and compare total emissions to applicable SCAQMD regional and localized significance thresholds. If project-level emissions would exceed SCAQMD thresholds, the City shall require the implementation of measures to reduce construction-related air pollutant emissions below SCAQMD thresholds to the extent feasible, as a condition of project approval. Measures may include, but would not be limited to:	Review and approval of project-specific construction air quality studies for projects that exceed the screening criteria.  If project emissions exceed significance thresholds, verify that mitigation measures determined by the City reduce emissions to below SCAQMD thresholds and implementation of the measure(s) are enforced.  If project emissions exceed PM 10 or PM 2.5 thresholds, verify that a Health Risk Assessment is prepared and submitted to the City prior to the issuance of any permit.	Prior to project approval	Once	City of West Hollywood Planning and Development Services			
<ul style="list-style-type: none"> <li>▪ Construction equipment equipped with Tier IV certified engines or CARB-certified Level 3 diesel particulate filters shall be utilized to the extent that this equipment is</li> </ul>							



Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
	<p>commercially available. "Commercially available" shall be defined as the availability of Tier IV equipment in geographic proximity to the project site and within a reasonable timeframe relative to critical path construction timing. If Tier IV equipment is not commercially available, Tier III equipment shall be utilized, and documentation shall be provided by the project applicant to the City stating that Tier IV equipment is not commercially available with supporting evidence from the contractor. If CARB-certified Level 3 diesel particulate filters are utilized, they shall be kept in working order and maintained in operable condition according to manufacturer's specifications, as applicable.</p> <ul style="list-style-type: none"> <li>▪ Commercial electric power shall be provided to the project site in adequate capacity to avoid or minimize the use of portable gas-powered electric generators and equipment.</li> <li>▪ Where feasible, equipment requiring the use of fossil fuels (e.g., diesel) shall be replaced or substituted with electrically-powered equivalents (provided they are not run via a portable generator set).</li> <li>▪ To the extent feasible, alternative fuels and emission controls shall be used to further reduce exhaust emissions.</li> <li>▪ On-site equipment shall not be left idling when not in use.</li> <li>▪ The hours of operation of heavy-duty equipment and/or the amount of equipment in use at any one time shall be limited.</li> <li>▪ Staging areas for heavy-duty construction equipment shall be located as far as possible from sensitive receptors.</li> </ul>						

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<p>In addition, if the construction air quality study determines that project-level emissions would exceed SCAQMD LSTs for PM10 and/or PM2.5, a construction Health Risk Assessment shall be prepared to evaluate whether the health risk associated with project-specific construction activities would exceed the SCAQMD significance thresholds for TACs. The construction Health Risk Assessment shall quantify the carcinogenic health risk and non-carcinogenic hazard index associated with DPM exhaust emissions from project-specific construction activities at the Maximally Exposed Individual Resident and evaluate the health risk and hazard index in comparison to SCAQMD thresholds. If the project-level health risk and/or hazard index associated with construction activities would exceed SCAQMD thresholds, the City shall require the implementation of measures to reduce construction-related air pollutant emissions below SCAQMD thresholds to the extent feasible, as a condition of project approval. Measures may include, but would not be limited to, those presented in the bulleted list above.</p> <p>This mitigation measure shall not apply to housing projects with development parameters that are at or below the screening criteria for construction emissions as shown in the project screening criteria table below because these projects would not generate construction emissions in excess of SCAQMD thresholds due to their small size.</p>							

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>Screening Criteria for Less-than-Significant Air Quality Construction Impacts</b>							
Housing Type	Maximum Number of Units	Maximum Total Floor Surface Area	Maximum Project Site Size	Maximum Demolition Quantity	Maximum Soil Export Quantity	Maximum Soil Import Quantity	
Single Family Residences	9 units	16,200 sf	3 acres	30,000 sf	4,000 cubic yards	4,000 cubic yards	
Low-Rise Apartments (One to Two Stories)	45 units	45,000 sf	3 acres	30,000 sf	4,000 cubic yards	4,000 cubic yards	
Mid-Rise Apartments (Three to Ten Stories)	110 units	110,000 sf	3 acres	30,000 sf	4,000 cubic yards	4,000 cubic yards	
Condominiums/Townhomes (One to Two Stories)	45 units	45,000 sf	3 acres	30,000 sf	4,000 cubic yards	4,000 cubic yards	
Congregate Care (Assisted Living)	45 units	45,000 sf	3 acres	30,000 sf	4,000 cubic yards	4,000 cubic yards	
sf = square feet							
See Appendix G of the Final EIR for CalEEMod runs for each land use category, which demonstrate that emissions would fall below the applicable SCAQMD thresholds of significance.							

**AQ-2b: Operational Emissions Control Measures**

For individual housing projects built under the Housing Element Update that meet the criteria in the table below, the City shall require that the project applicant complete a project-specific operational air quality study. The air quality study shall quantify operational emissions associated with all air pollutant sources, including but not limited to area, energy, and mobile sources, and compare total emissions to applicable SCAQMD thresholds. If project-level emissions would exceed SCAQMD thresholds, the City shall require the implementation of measures to reduce operational air pollutant emissions below SCAQMD thresholds to the extent feasible, as a condition of project approval.

Measures may include, but would not be limited to:

- Elimination of natural gas fireplaces.
- Elimination of natural gas connections.
- The use of all-electric landscaping and maintenance equipment shall be

Review and approval of the project-specific operational air quality studies for projects that exceed the screening criteria.  
If operational air quality impacts exceed SCAQMD thresholds, verify that the City-required mitigation measures reduce emissions to below the significance thresholds and implementation of the measures are enforced.

Prior to project approval

Once

City of West Hollywood Planning and Development Services

City of West Hollywood  
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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
	encouraged.						
	<ul style="list-style-type: none"> <li>▪ Encouragement of low-VOC consumer products (e.g., household cleaners, parking lot degreasers) and low- VOC architectural coatings.</li> <li>▪ Additional electric vehicle charging stations beyond those required by the California Building Energy Efficiency Standards and CALGreen.</li> <li>▪ Continued enforcement of the residential transportation demand management (TDM) program, which may include the following measures:               <ul style="list-style-type: none"> <li>□ TDM coordinator or website to provide transit information and/or coordinate carpooling/ridesharing</li> <li>□ Designated loading/unloading areas for rideshare vehicles</li> <li>□ Additional bicycle parking beyond that required by WHMC Section 19.28.150</li> <li>□ Car and/or bicycle sharing programs</li> </ul> </li> <li>▪ If not present along the project site frontage(s), provide easements for or construction of public improvements in the ROW, such as bicycle lanes and/or sidewalks.</li> </ul>						
	<p>This mitigation measure shall not apply to housing projects with development parameters that are at or below the screening criteria for operational emissions as shown in the project screening criteria table below because these projects would not generate operational emissions in excess of SCAQMD thresholds due to their small size.</p>						

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>Screening Criteria for Less-than-Significant Air Quality Operational Impacts</b>							
<b>Housing Type</b>	<b>Maximum Number of Units</b>	<b>Maximum Total Floor Surface Area</b>				<b>Maximum Project Site Size</b>	
Single Family Residences	160 units	288,000 sf				52 acres	
Low-Rise Apartments (One to Two Stories)	175 units	175,000 sf				11 acres	
Mid-Rise Apartments (Three to Ten Stories)	180 units	180,000 sf				5 acres	
Condominiums/Townhomes (One to Two Stories)	175 units	175,000 sf				11 acres	
Congregate Care (Assisted Living)	175 units	175,000 sf				11 acres	
sf = square feet							
N/A = Not Applicable (demolition and soil quantities do not apply to operational emissions)							
See Appendix G of the Final EIR for CalEEMod runs for each land use category, which demonstrate that emissions would fall below the applicable SCAQMD thresholds of significance.							

**Cultural Resources**

**CUL-1: Cultural Resources Assessment**

<p>Prior to approval of discretionary housing projects anticipated under the Housing Element Update, the City shall determine if there are designed built environment features which are over 45 years of age (i.e., potential historical resources) proposed to be altered or demolished. If historical-age features are proposed to be altered or demolished, a historical resources assessment shall be performed by an architectural historian or historian who meets the National Park Service Professional Qualification Standards (PQS) in architectural history or history. The qualified architectural historian or historian shall conduct and an intensive-level survey in accordance with the California Office of Historic Preservation guidelines. Such studies include a records search with the California Historical Resources Information System (CHRIS) and requested a search of the Sacred Lands File (SLF) with the Native American Heritage Commission (NAHC). A city-wide historic survey completed by the</p>	<p>Verification that a qualified architectural historian or historian prepares a historic resources assessment if historical-age buildings or features are altered or demolished under a proposed project. Review and approval of the historic resources assessment.</p>	<p>Prior to project approval</p>	<p>Once</p>	<p>City of West Hollywood Planning and Development Services</p>			
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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<p>City of West Hollywood may also be consulted to identify locally designated or eligible historical resources. All evaluated properties shall be evaluated within their historic context and documented in a technical memorandum with Department of Parks and Recreation Series 523 Forms. Should evaluated properties be determined ineligible for historical resources qualification, the report will be submitted to the City for review and approval. Should a property be found to qualify as a historical resource (i.e., eligible for listing in the NRHP, CRHP, or the local register), the project shall be subject to the City's regulations for the issuance of a certificate of appropriateness pursuant to Chapter 19.58 of the West Hollywood Municipal Code.</p>							
<b>CUL-2: Unanticipated Discoveries</b>							
<p>If cultural resources are encountered during ground-disturbing activities associated with discretionary housing projects anticipated under the Housing Element Update, work in the immediate area shall be halted and an archaeologist meeting the Secretary of the Interior's Professional Qualification Standards for archaeology in either prehistoric or historic archaeology shall be contacted immediately to evaluate the find. If necessary, the evaluation may require preparation of a treatment plan and archaeological testing for CRHR eligibility. If the discovery proves to be significant under CEQA and cannot be avoided by the project, additional work such as excavating the cultural deposit to fully characterize its extent, and collecting and curating artifacts may be warranted to mitigate any significant impacts to cultural resources. In the event that archaeological resources of Native American origin are identified during project construction,</p>	<p>Field verification that all work is suspended if cultural resources or any artifact or unusual amount of bone or shell is encountered during construction.</p> <p>Verification that a qualified archaeologist meeting the Secretary of the Interior's PQS for either prehistoric or historic archaeology is contacted immediately to evaluate any unanticipated discovery.</p>	<p>During grading and ground disturbing activities</p>	<p>Continuous</p>	<p>City of West Hollywood Planning and Development Services</p>			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
a qualified archaeologist will consult with the City to begin Native American consultation procedures.							
<b>Hazards and Hazardous Materials</b>							
<b>HAZ-1: Property Assessment- Phase 1 and II ESAs</b>							
<p>Prior to the start of construction (demolition or grading), the project applicant shall retain a qualified environmental professional (EP), as defined by American Society for Testing and Materials (ASTM) E-1527, to complete one of the following:</p> <p>If the project is not listed in Appendix D of this EIR, DTSC’s GeoTracker, or SWRCB’s EnviroStor, then the proponent shall retain a qualified environmental consultant, California Professional Geologist (PG) or California Professional Engineer (PE), to prepare a Phase I ESA. If the Phase I ESA identifies recognized environmental conditions or potential concern areas, a Phase II ESA shall be prepared.</p> <p>If the project is listed in Appendix D of this EIR, DTSC’s GeoTracker or SWRCB’s EnviroStor, then the project proponent shall retain a qualified environmental consultant, California Professional Geologist (PG) or California Professional Engineer (PE), to prepare a Phase II ESA to determine whether the soil, groundwater, and/or soil vapor has been impacted at concentrations exceeding regulatory screening levels for commercial/industrial landuses. Any and all recommended actions included in the Phase II ESA will be followed. This may include the preparation of a Soil Management Plan (SMP) for Impacted Soils (see below) prior to project construction and/or completion of remediation at the proposed project prior to on-site construction.</p>	<p>Verification that a qualified EP has been retained for submittal of either a Phase I ESA or Phase II ESA to the lead agency.</p> <p>Review and approval of the Phase I ESA or Phase II ESA.</p> <p>Review and approval of the SMP, if recommended in the Phase II ESA.</p> <p>If soils contain chemical concentrations exceeding hazardous waste screening thresholds, review and approve recommendations for waste disposal, impacted wastes, and remedial engineering controls.</p>	<p>Prior to the start of construction</p>	<p>Once</p>	<p>City of West Hollywood Planning and Development Services</p>			

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<p>The completed ESAs shall be submitted to the lead agency for review and approval prior to issuance of building or grading permits.</p> <p><b>Soil Management Plan Requirements:</b> If recommended under the Phase II ESA, the SMP, or equivalent document, shall be prepared to address on-site handling and management of impacted soils or other impacted wastes, and reduce hazards to construction workers and off-site receptors during construction. The SMP shall be submitted to the lead agency, and must establish remedial measures and/or soil management practices to ensure construction worker safety, the health of future workers and visitors, and the off-site migration of contaminants from the site. These measures and practices may include, but are not limited to:</p> <ul style="list-style-type: none"> <li>▪ Stockpile management including stormwater pollution prevention and the installation of BMPs</li> <li>▪ Proper disposal procedures of contaminated materials</li> <li>▪ Monitoring and reporting</li> <li>▪ A health and safety plan for contractors working at the site that addresses the safety and health hazards of each phase of site construction activities with the requirements and procedures for employee protection</li> <li>▪ The health and safety plan will also outline proper soil handling procedures and health and safety requirements to minimize worker and public exposure to hazardous materials during construction</li> </ul> <p>The lead agency shall review and approve the development site SMP for impacted soils prior to demolition and grading (construction).</p>							



Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<p><b>Soil Remediation Requirements:</b> If the Phase II ESA finds that soil within the construction envelope at the development site contains chemicals at concentrations exceeding hazardous waste screening thresholds for contaminants in soil (CCR Title 22, Section 66261.24), the project proponent shall retain a qualified environmental consultant (PG or PE), to conduct additional analytical testing and recommend soil disposal recommendations, or consider other remedial engineering controls, as necessary.</p> <p>The qualified environmental consultant shall utilize the development site analytical results for waste characterization purposes prior to off-site transportation or disposal of potentially impacted soils or other impacted wastes. The qualified environmental consultant shall provide disposal recommendations and arrange for proper disposal of the waste soils or other impacted wastes (as necessary), and/or provide recommendations for remedial engineering controls, if appropriate.</p> <p>The project applicant shall review and approve the disposal recommendations prior to transportation of waste soils off-site, and review and approve remedial engineering controls, prior to construction.</p> <p>Remediation of impacted soils and/or implementation of remedial engineering controls, may require additional delineation of impacts; additional analytical testing per landfill or recycling facility requirements; soil excavation; and off-site disposal or recycling.</p> <p>The lead agency will review and approve the development site disposal recommendations prior to transportation of waste soils off-site and review and approve remedial engineering controls, prior to construction.</p>							

City of West Hollywood  
**West Hollywood Housing Element Update**

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>Noise</b>							
<b>N-1a: Shielding and Silencing</b>							
Power construction equipment (including combustion engines), fixed or mobile, shall be equipped with noise shielding and silencing devices consistent with manufacturer’s standards or the Best Available Control Technology. Equipment shall be properly maintained, and the project applicant or owner shall require any construction contractor to keep documentation on-site during any earthwork or construction activities demonstrating that the equipment has been maintained in accordance with manufacturer’s specifications.	Review and verification that construction plans note all equipment to be used and shall be submitted to the City.  Review and approval of documentation from the project applicant or owner demonstrating equipment has been maintained in accordance with manufacturer specifications.	Approval of plans are required prior to the issuance of grading or building permits.  Review and approval of equipment documents may occur throughout project construction.	Continuous	City of West Hollywood Planning and Development Services			
<b>N-1b: Enclosures and Screening</b>							
All outdoor fixed mechanical equipment shall be enclosed or screened from off-site noise-sensitive uses (i.e., residences, senior housing, schools, hospitals, places of worship, and parks). The equipment enclosure or screen shall be impermeable (i.e., solid material with minimum weight of two pounds per square feet) and break the line-of-sight from the equipment and off-site noise-sensitive uses.	Review and verification that construction plans note enclosure/screening requirements for all mixed mechanical equipment.  During construction: field verify that fixed mechanical equipment is enclosed.	Approval of plans are required prior to the issuance of grading or building permits.  Verification of enclosures during construction.	Continuous	City of West Hollywood Planning and Development Services			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>N-1c: Construction Hours</b>							
Construction operations and related activities shall comply with the construction hours outlined in the Section 9.08.050 of the City's noise ordinance (i.e., Article 2, Chapter 9.08 of the West Hollywood Municipal Code).	Review and verification that construction plans note construction hours.	Approval of plans are required prior to the issuance of grading or building permits. Verification of construction operation hours may occur throughout construction.	Continuous	City of West Hollywood Planning and Development Services			
<b>N-1d: Equipment Idling</b>							
Construction vehicles and equipment shall not be left idling and shall be turned off when not in use.	Review and verification that construction plans note idling requirements. During construction: field verify that construction vehicles are not left idling.	Approval of plans are required prior to the issuance of grading or building permits. Verification of idling requirements may occur throughout construction.	Continuous	City of West Hollywood Planning and Development Services			
<b>N-1e: Construction Staging</b>							
Construction staging areas and fixed and/or stationary equipment shall be located as far from noise-sensitive uses (i.e., residences, senior housing, schools, hospitals, places of worship, and parks) as reasonably possible and feasible in consideration of site boundaries, topography, intervening roads and uses, and operational constraints.	Review and verification that construction plans note locations of staging areas and are implemented as shown on plans during construction.	Approval of plans are required prior to the issuance of grading or building permits. Verification of staging areas may occur throughout construction.	Continuous	City of West Hollywood Planning and Development Services			

City of West Hollywood  
**West Hollywood Housing Element Update**

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>N-1f: Temporary Sound Barrier</b>							
Temporary sound barriers, such as walls or sound blankets, shall be positioned between construction activities and noise-sensitive uses (i.e., residences, senior housing, schools, hospitals, places of worship, and parks) when construction equipment is located within a line-of-sight to and within 500 feet of off-site noise-sensitive uses. Sound barriers shall break the line-of-sight between the construction noise source and the receiver where modeled levels exceed applicable standards. Sound barriers shall be constructed of material having a minimum surface weight of 2 pounds per square foot or greater and a demonstrated Sound Transmission Class rating of 25 or greater as defined by American Society for Testing and Materials (ASTM) Test Method E90. Placement, orientation, size, and density of acoustical barriers shall be specified by a qualified acoustical consultant.	Review and verification construction plans note locations of temporary sound barriers as specified by a qualified acoustical consultant and are implemented during construction.	Approval of plans are required prior to the issuance of grading or building permits. Verification that sound barriers are in place may occur throughout construction.	Continuous	City of West Hollywood Planning and Development Services			
<b>N-1g: Workers' Radios</b>							
All noise from workers' radios, including any on-site music, shall be controlled to a point that they are not audible at off-site noise-sensitive uses (i.e., residences, senior housing, schools, hospitals, places of worship, and parks).	Review and verification that construction plans note the worker radio requirements.  During construction: field verify that radios are not audible off-site.	Approval of plans are required prior to the issuance of grading or building permits. Verification of workers' radios may occur throughout project construction.	Continuous	City of West Hollywood Planning and Development Services			
<b>N-1h: Use of Drive Pile Systems</b>							
Driven (impact), sonic, or vibratory pile drivers shall not be used, except in locations where the underlying geology renders alternative methods infeasible, as determined by a soils or geotechnical engineer and documented in a soils report.	Verification that requirement is shown on plans and necessary assurances have been obtained.  During construction: field verify that driven, sonic or vibratory pile drivers are avoided unless required.	Approval of plans are required prior to the issuance of grading or building permits. Verification may occur throughout construction.	Continuous	City of West Hollywood Planning and Development Services			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>N-1i: Smart Back-Up Alarms</b>							
Mobile construction equipment shall have smart back-up alarms that automatically adjust the sound level of the alarm in response to ambient noise levels. Alternatively, back-up alarms shall be disabled and replaced with human spotters to ensure safety when mobile construction equipment is moving in the reverse direction.	Review and verification that construction plans note the use of back-up alarms on mobile construction equipment.  During construction: field verify that smart back-up alarms are utilized.	Approval of plans are required prior to the issuance of grading or building permits. Verification may occur throughout construction.	Continuous	City of West Hollywood Planning and Development Services			
<b>N-1j: Noise Complaint Response</b>							
Project applicants shall designate an on-site construction project manager who shall be responsible for responding to any complaints about construction noise. This person shall be responsible for responding to concerns of neighboring properties about construction noise disturbance and shall be available for responding to any construction noise complaints during the hours that construction is to take place. They shall also be responsible for determining the cause of the noise complaint (e.g., bad silencer) and shall require that reasonable measures be implemented to correct the problem. A toll-free telephone number and email address shall be posted in a highly visible manner on the construction site at all times and provided in all notices (mailed, online website, and construction site postings) for receiving questions or complaints during construction and shall also include procedures requiring the on-site construction manager to respond to callers and email messages. The on-site construction project manager shall be required to track complaints pertaining to construction noise, ongoing throughout demolition, grading, and/or construction and shall notify the City’s Community Development Director of each complaint occurrence.	Review and verification that an on-site construction project manager has been identified to implement the mitigation requirement.  Field verification that signage is posted on the construction site with a toll-free telephone number and email address that can be called to receive questions or complaints.  Regular coordination with the construction manager to verify that complaints are submitted to the City’s Community Development Director and confirm that an appropriate response is carried out to address the complaints.	Prior to the issuance of grading or building permits.  Review of noise reduction measures, and inquiries and complaints may occur throughout project construction.	Continuous	City of West Hollywood Planning and Development Services			

City of West Hollywood  
**West Hollywood Housing Element Update**

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<b>N-2: HVAC Equipment</b>							
<p>All heating, ventilation, and air conditioning (HVAC) equipment shall be designed such that either of the following is achieved, as applicable:</p> <ul style="list-style-type: none"> <li>HVAC equipment shall be placed within mechanical equipment rooms that block the line-of-sight to sensitive receivers</li> <li>Noise barriers or rooftop parapets shall be located around HVAC equipment to block the line-of-sight to sensitive receivers</li> </ul>	<p>Review and verification that site plans detail location of HVAC equipment, and approval of location.</p>	<p>Approval of plans are required prior to the issuance of grading or building permits.</p>	<p>Once</p>	<p>City of West Hollywood Planning and Development Services</p>			
<b>N-3: Vibration Control Plan</b>							
<p>For construction activities involving vibratory rollers within 50 feet of a structure or pile drivers (impact or sonic) within 140 feet of a structure, the applicant shall prepare a Vibration Control Plan prior to the commencement of construction activities. The Vibration Control Plan shall be prepared by a licensed structural engineer and shall include methods required to minimize vibration, including, but not limited to:</p> <ul style="list-style-type: none"> <li>Alternative installation methods for pile driving (e.g., pile cushioning, drilled piles, cast-in-place systems) within 140 feet of a building to reduce impacts associated with seating the pile</li> <li>Vibration monitoring prior to and during pile driving operations occurring within 140 feet of a building</li> <li>Use of rubber-tired equipment rather than metal-tracked equipment</li> </ul> <p>Avoiding the use of vibrating equipment when allowed by best engineering practices. The Vibration Control Plan shall include a pre-construction survey letter establishing baseline conditions at potentially affected historic and/or residential structures within a 140-foot radius of</p>	<p>If applicable, review and verification that a Vibration Control Plan has been prepared by a licensed structural engineer and submitted to the City's Building and Safety Division. Obtain approval from the Building and Safety Division</p>	<p>Submittal and approval of plans are required prior to the issuance of grading or building permits. Monitoring plan is implemented during construction.</p>	<p>Once</p>	<p>City of West Hollywood Planning and Development Services</p>			

Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
<p>the construction site. The survey letter shall determine conditions that exist prior to the commencement of construction activities for use in evaluating potential damages caused by construction. Fixtures and finishes susceptible to damage shall be documented photographically and in writing prior to construction. The survey letter shall provide a shoring design to protect such structures from potential damage. At the conclusion of vibration causing activities, the qualified structural engineer shall issue a follow-up letter describing damage, if any, to impacted buildings and structures. The letter shall include recommendations for any repair, as may be necessary, in conformance with the Secretary of the Interior Standards. Repairs shall be undertaken and completed by the contractor and monitored by a qualified structural engineer in conformance with all applicable codes including the California Historical Building Code (Part 8 of Title 24).</p> <p>A Statement of Compliance signed by the applicant and owner shall be submitted to the City's Building and Safety Division at plan check and prior to the issuance of any permit. The Vibration Control Plan, prepared as outlined above shall be documented by a qualified structural engineer, and shall be provided to the City upon request.</p>							

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# Appendix G

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CalEEMod Data Sheets for Air Quality Mitigation Measures

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Single Family Residences - Construction**

South Coast AQMD Air District, Winter

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	9.00	Dwelling Unit	2.92	16,200.00	26

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Trips and VMT - Soil import/export

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	4,000.00
tblGrading	MaterialImported	0.00	4,000.00

**2.0 Emissions Summary**

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	10.3449	44.1563	15.8965	0.1225	10.2604	0.9608	11.2212	4.2763	0.8919	5.1682	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	10.3318	1.3053	1.8430	3.0600e-003	0.0112	0.0709	0.0821	2.9600e-003	0.0709	0.0738	0.0000	290.8865	290.8865	0.0171	2.4000e-004	291.3850
<b>Maximum</b>	<b>10.3449</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>10.2604</b>	<b>0.9608</b>	<b>11.2212</b>	<b>4.2763</b>	<b>0.8919</b>	<b>5.1682</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</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					
2022	10.3449	44.1563	15.8965	0.1225	6.2821	0.9608	7.2429	2.3802	0.8919	3.2721	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	10.3318	1.3053	1.8430	3.0600e-003	0.0112	0.0709	0.0821	2.9600e-003	0.0709	0.0738	0.0000	290.8865	290.8865	0.0171	2.4000e-004	291.3850
<b>Maximum</b>	<b>10.3449</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>6.2821</b>	<b>0.9608</b>	<b>7.2429</b>	<b>2.3802</b>	<b>0.8919</b>	<b>3.2721</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</b>



West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	2.7292	0.1953	5.3192	0.0117		0.6916	0.6916		0.6916	0.6916	84.3023	163.3370	247.6392	0.2527	5.7200e-003	255.6616
Energy	6.7500e-003	0.0576	0.0245	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003		73.5830	73.5830	1.4100e-003	1.3500e-003	74.0203
Mobile	0.2450	0.2918	2.4922	5.6200e-003	0.6182	4.1600e-003	0.6224	0.1647	3.8700e-003	0.1686		582.3376	582.3376	0.0373	0.0255	590.8537
<b>Total</b>	<b>2.9809</b>	<b>0.5447</b>	<b>7.8359</b>	<b>0.0177</b>	<b>0.6182</b>	<b>0.7004</b>	<b>1.3186</b>	<b>0.1647</b>	<b>0.7001</b>	<b>0.8649</b>	<b>84.3023</b>	<b>819.2576</b>	<b>903.5599</b>	<b>0.2914</b>	<b>0.0325</b>	<b>920.5356</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	2.7292	0.1953	5.3192	0.0117		0.6916	0.6916		0.6916	0.6916	84.3023	163.3370	247.6392	0.2527	5.7200e-003	255.6616
Energy	6.7500e-003	0.0576	0.0245	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003		73.5830	73.5830	1.4100e-003	1.3500e-003	74.0203
Mobile	0.2450	0.2918	2.4922	5.6200e-003	0.6182	4.1600e-003	0.6224	0.1647	3.8700e-003	0.1686		582.3376	582.3376	0.0373	0.0255	590.8537
<b>Total</b>	<b>2.9809</b>	<b>0.5447</b>	<b>7.8359</b>	<b>0.0177</b>	<b>0.6182</b>	<b>0.7004</b>	<b>1.3186</b>	<b>0.1647</b>	<b>0.7001</b>	<b>0.8649</b>	<b>84.3023</b>	<b>819.2576</b>	<b>903.5599</b>	<b>0.2914</b>	<b>0.0325</b>	<b>920.5356</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/2/2022	5	3	
3	Grading	Grading	2/3/2022	2/10/2022	5	6	
4	Building Construction	Building Construction	2/11/2022	12/15/2022	5	220	
5	Paving	Paving	12/16/2022	12/29/2022	5	10	
6	Architectural Coating	Architectural Coating	12/30/2022	1/12/2023	5	10	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 32,805; Residential Outdoor: 10,935; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	136.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	3.00	1.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4765	0.0000	1.4765	0.2236	0.0000	0.2236			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>1.4765</b>	<b>0.8379</b>	<b>2.3144</b>	<b>0.2236</b>	<b>0.7829</b>	<b>1.0064</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>



West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6644	0.0000	0.6644	0.1006	0.0000	0.1006			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.6644</b>	<b>0.8379</b>	<b>1.5023</b>	<b>0.1006</b>	<b>0.7829</b>	<b>0.8835</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.7158</b>	<b>0.5952</b>	<b>1.3110</b>	<b>0.0773</b>	<b>0.5476</b>	<b>0.6249</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2334	0.0000	7.2334	3.4476	0.0000	3.4476			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.2334</b>	<b>0.7423</b>	<b>7.9757</b>	<b>3.4476</b>	<b>0.6829</b>	<b>4.1305</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2550	0.0000	3.2550	1.5514	0.0000	1.5514			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>3.2550</b>	<b>0.7423</b>	<b>3.9973</b>	<b>1.5514</b>	<b>0.6829</b>	<b>2.2343</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	1.7900e-003	0.0486	0.0165	1.9000e-004	6.4000e-003	4.9000e-004	6.8900e-003	1.8400e-003	4.7000e-004	2.3100e-003		20.5772	20.5772	6.9000e-004	2.9900e-003	21.4841
Worker	0.0109	7.9500e-003	0.1035	2.9000e-004	0.0335	2.0000e-004	0.0337	8.8900e-003	1.8000e-004	9.0800e-003		29.0792	29.0792	8.1000e-004	7.8000e-004	29.3315
<b>Total</b>	<b>0.0127</b>	<b>0.0565</b>	<b>0.1201</b>	<b>4.8000e-004</b>	<b>0.0399</b>	<b>6.9000e-004</b>	<b>0.0406</b>	<b>0.0107</b>	<b>6.5000e-004</b>	<b>0.0114</b>		<b>49.6564</b>	<b>49.6564</b>	<b>1.5000e-003</b>	<b>3.7700e-003</b>	<b>50.8157</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	1.7900e-003	0.0486	0.0165	1.9000e-004	6.4000e-003	4.9000e-004	6.8900e-003	1.8400e-003	4.7000e-004	2.3100e-003		20.5772	20.5772	6.9000e-004	2.9900e-003	21.4841
Worker	0.0109	7.9500e-003	0.1035	2.9000e-004	0.0335	2.0000e-004	0.0337	8.8900e-003	1.8000e-004	9.0800e-003		29.0792	29.0792	8.1000e-004	7.8000e-004	29.3315
<b>Total</b>	<b>0.0127</b>	<b>0.0565</b>	<b>0.1201</b>	<b>4.8000e-004</b>	<b>0.0399</b>	<b>6.9000e-004</b>	<b>0.0406</b>	<b>0.0107</b>	<b>6.5000e-004</b>	<b>0.0114</b>		<b>49.6564</b>	<b>49.6564</b>	<b>1.5000e-003</b>	<b>3.7700e-003</b>	<b>50.8157</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.6892	1,709.6892	0.5419		1,723.2356
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.6892</b>	<b>1,709.6892</b>	<b>0.5419</b>		<b>1,723.2356</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>



West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.1368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>10.3413</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	3.6200e-003	2.6500e-003	0.0345	1.0000e-004	0.0112	7.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0300e-003		9.6931	9.6931	2.7000e-004	2.6000e-004	9.7772
<b>Total</b>	<b>3.6200e-003</b>	<b>2.6500e-003</b>	<b>0.0345</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0300e-003</b>		<b>9.6931</b>	<b>9.6931</b>	<b>2.7000e-004</b>	<b>2.6000e-004</b>	<b>9.7772</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.1368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>10.3413</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	3.6200e-003	2.6500e-003	0.0345	1.0000e-004	0.0112	7.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0300e-003		9.6931	9.6931	2.7000e-004	2.6000e-004	9.7772
<b>Total</b>	<b>3.6200e-003</b>	<b>2.6500e-003</b>	<b>0.0345</b>	<b>1.0000e-004</b>	<b>0.0112</b>	<b>7.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0300e-003</b>		<b>9.6931</b>	<b>9.6931</b>	<b>2.7000e-004</b>	<b>2.6000e-004</b>	<b>9.7772</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.1368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>10.3284</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	3.3700e-003	2.3400e-003	0.0318	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0200e-003		9.4385	9.4385	2.4000e-004	2.4000e-004	9.5160
<b>Total</b>	<b>3.3700e-003</b>	<b>2.3400e-003</b>	<b>0.0318</b>	<b>9.0000e-005</b>	<b>0.0112</b>	<b>6.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0200e-003</b>		<b>9.4385</b>	<b>9.4385</b>	<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>9.5160</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	10.1368					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>10.3284</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	3.3700e-003	2.3400e-003	0.0318	9.0000e-005	0.0112	6.0000e-005	0.0112	2.9600e-003	6.0000e-005	3.0200e-003		9.4385	9.4385	2.4000e-004	2.4000e-004	9.5160
<b>Total</b>	<b>3.3700e-003</b>	<b>2.3400e-003</b>	<b>0.0318</b>	<b>9.0000e-005</b>	<b>0.0112</b>	<b>6.0000e-005</b>	<b>0.0112</b>	<b>2.9600e-003</b>	<b>6.0000e-005</b>	<b>3.0200e-003</b>		<b>9.4385</b>	<b>9.4385</b>	<b>2.4000e-004</b>	<b>2.4000e-004</b>	<b>9.5160</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.2450	0.2918	2.4922	5.6200e-003	0.6182	4.1600e-003	0.6224	0.1647	3.8700e-003	0.1686		582.3376	582.3376	0.0373	0.0255	590.8537
Unmitigated	0.2450	0.2918	2.4922	5.6200e-003	0.6182	4.1600e-003	0.6224	0.1647	3.8700e-003	0.1686		582.3376	582.3376	0.0373	0.0255	590.8537

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	84.96	85.86	76.95	286,850	286,850
Total	84.96	85.86	76.95	286,850	286,850

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

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

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	6.7500e-003	0.0576	0.0245	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003		73.5830	73.5830	1.4100e-003	1.3500e-003	74.0203
NaturalGas Unmitigated	6.7500e-003	0.0576	0.0245	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003		73.5830	73.5830	1.4100e-003	1.3500e-003	74.0203

**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					
Single Family Housing	625.456	6.7500e-003	0.0576	0.0245	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003		73.5830	73.5830	1.4100e-003	1.3500e-003	74.0203
<b>Total</b>		<b>6.7500e-003</b>	<b>0.0576</b>	<b>0.0245</b>	<b>3.7000e-004</b>		<b>4.6600e-003</b>	<b>4.6600e-003</b>		<b>4.6600e-003</b>	<b>4.6600e-003</b>		<b>73.5830</b>	<b>73.5830</b>	<b>1.4100e-003</b>	<b>1.3500e-003</b>	<b>74.0203</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Single Family Housing	0.625456	6.7500e-003	0.0576	0.0245	3.7000e-004		4.6600e-003	4.6600e-003		4.6600e-003	4.6600e-003		73.5830	73.5830	1.4100e-003	1.3500e-003	74.0203
<b>Total</b>		<b>6.7500e-003</b>	<b>0.0576</b>	<b>0.0245</b>	<b>3.7000e-004</b>		<b>4.6600e-003</b>	<b>4.6600e-003</b>		<b>4.6600e-003</b>	<b>4.6600e-003</b>		<b>73.5830</b>	<b>73.5830</b>	<b>1.4100e-003</b>	<b>1.3500e-003</b>	<b>74.0203</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Mitigated	2.7292	0.1953	5.3192	0.0117		0.6916	0.6916		0.6916	0.6916	84.3023	163.3370	247.6392	0.2527	5.7200e-003	255.6616
Unmitigated	2.7292	0.1953	5.3192	0.0117		0.6916	0.6916		0.6916	0.6916	84.3023	163.3370	247.6392	0.2527	5.7200e-003	255.6616



West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.0278					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3208					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.3583	0.1867	4.5770	0.0117		0.6875	0.6875		0.6875	0.6875	84.3023	162.0000	246.3023	0.2514	5.7200e-003	254.2925
Landscaping	0.0223	8.5500e-003	0.7422	4.0000e-005		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003		1.3370	1.3370	1.2800e-003		1.3690
<b>Total</b>	<b>2.7292</b>	<b>0.1953</b>	<b>5.3192</b>	<b>0.0117</b>		<b>0.6916</b>	<b>0.6916</b>		<b>0.6916</b>	<b>0.6916</b>	<b>84.3023</b>	<b>163.3370</b>	<b>247.6392</b>	<b>0.2527</b>	<b>5.7200e-003</b>	<b>255.6616</b>

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0278					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3208					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	2.3583	0.1867	4.5770	0.0117		0.6875	0.6875		0.6875	0.6875	84.3023	162.0000	246.3023	0.2514	5.7200e-003	254.2925
Landscaping	0.0223	8.5500e-003	0.7422	4.0000e-005		4.1100e-003	4.1100e-003		4.1100e-003	4.1100e-003		1.3370	1.3370	1.2800e-003		1.3690
<b>Total</b>	<b>2.7292</b>	<b>0.1953</b>	<b>5.3192</b>	<b>0.0117</b>		<b>0.6916</b>	<b>0.6916</b>		<b>0.6916</b>	<b>0.6916</b>	<b>84.3023</b>	<b>163.3370</b>	<b>247.6392</b>	<b>0.2527</b>	<b>5.7200e-003</b>	<b>255.6616</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Single Family Residences - Construction - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Low Rise Apts - Construction**

**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 Low Rise	45.00	Dwelling Unit	2.81	45,000.00	129

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Trips and VMT - Soil import/export

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	4,000.00
tblGrading	MaterialImported	0.00	4,000.00

**2.0 Emissions Summary**

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	28.3839	44.1563	15.8965	0.1225	10.2604	0.9608	11.2212	4.2763	0.8919	5.1682	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	28.3695	1.3171	2.0021	3.5200e-003	0.0671	0.0712	0.1383	0.0178	0.0712	0.0890	0.0000	338.0790	338.0790	0.0183	1.4400e-003	338.9651
<b>Maximum</b>	<b>28.3839</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>10.2604</b>	<b>0.9608</b>	<b>11.2212</b>	<b>4.2763</b>	<b>0.8919</b>	<b>5.1682</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</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					
2022	28.3839	44.1563	15.8965	0.1225	6.2821	0.9608	7.2429	2.3802	0.8919	3.2721	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	28.3695	1.3171	2.0021	3.5200e-003	0.0671	0.0712	0.1383	0.0178	0.0712	0.0890	0.0000	338.0790	338.0790	0.0183	1.4400e-003	338.9651
<b>Maximum</b>	<b>28.3839</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>6.2821</b>	<b>0.9608</b>	<b>7.2429</b>	<b>2.3802</b>	<b>0.8919</b>	<b>3.2721</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</b>

## West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.52	0.00	35.02	44.16	0.00	36.07	0.00	0.00	0.00	0.00	0.00	0.00

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Energy	0.0182	0.1554	0.0661	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.4158	198.4158	3.8000e-003	3.6400e-003	199.5949
Mobile	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.3962	2,484.3962	0.1591	0.1086	2,520.7281
<b>Total</b>	<b>13.9347</b>	<b>2.3765</b>	<b>37.2944</b>	<b>0.0835</b>	<b>2.6374</b>	<b>3.4884</b>	<b>6.1258</b>	<b>0.7028</b>	<b>3.4871</b>	<b>4.1899</b>	<b>421.5113</b>	<b>3,499.4969</b>	<b>3,921.0082</b>	<b>1.4263</b>	<b>0.1408</b>	<b>3,998.6308</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	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Energy	0.0182	0.1554	0.0661	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.4158	198.4158	3.8000e-003	3.6400e-003	199.5949
Mobile	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.3962	2,484.3962	0.1591	0.1086	2,520.7281
<b>Total</b>	<b>13.9347</b>	<b>2.3765</b>	<b>37.2944</b>	<b>0.0835</b>	<b>2.6374</b>	<b>3.4884</b>	<b>6.1258</b>	<b>0.7028</b>	<b>3.4871</b>	<b>4.1899</b>	<b>421.5113</b>	<b>3,499.4969</b>	<b>3,921.0082</b>	<b>1.4263</b>	<b>0.1408</b>	<b>3,998.6308</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/2/2022	5	3	
3	Grading	Grading	2/3/2022	2/10/2022	5	6	
4	Building Construction	Building Construction	2/11/2022	12/15/2022	5	220	
5	Paving	Paving	12/16/2022	12/29/2022	5	10	
6	Architectural Coating	Architectural Coating	12/30/2022	1/12/2023	5	10	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 91,125; Residential Outdoor: 30,375; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Site Preparation	Graders	1	8.00	187	0.41
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Site Preparation	Scrapers	1	8.00	367	0.48
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37



West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48
Paving	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	5	13.00	0.00	136.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	32.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4765	0.0000	1.4765	0.2236	0.0000	0.2236			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>1.4765</b>	<b>0.8379</b>	<b>2.3144</b>	<b>0.2236</b>	<b>0.7829</b>	<b>1.0064</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6644	0.0000	0.6644	0.1006	0.0000	0.1006			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.6644</b>	<b>0.8379</b>	<b>1.5023</b>	<b>0.1006</b>	<b>0.7829</b>	<b>0.8835</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.7158</b>	<b>0.5952</b>	<b>1.3110</b>	<b>0.0773</b>	<b>0.5476</b>	<b>0.6249</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2334	0.0000	7.2334	3.4476	0.0000	3.4476			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.2334</b>	<b>0.7423</b>	<b>7.9757</b>	<b>3.4476</b>	<b>0.6829</b>	<b>4.1305</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2550	0.0000	3.2550	1.5514	0.0000	1.5514			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>3.2550</b>	<b>0.7423</b>	<b>3.9973</b>	<b>1.5514</b>	<b>0.6829</b>	<b>2.2343</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	8.9500e-003	0.2428	0.0826	9.6000e-004	0.0320	2.4400e-003	0.0345	9.2200e-003	2.3400e-003	0.0116		102.8862	102.8862	3.4300e-003	0.0149	107.4206
Worker	0.1160	0.0848	1.1042	3.0500e-003	0.3577	2.1400e-003	0.3598	0.0949	1.9700e-003	0.0968		310.1777	310.1777	8.6500e-003	8.3100e-003	312.8695
<b>Total</b>	<b>0.1249</b>	<b>0.3276</b>	<b>1.1868</b>	<b>4.0100e-003</b>	<b>0.3897</b>	<b>4.5800e-003</b>	<b>0.3943</b>	<b>0.1041</b>	<b>4.3100e-003</b>	<b>0.1084</b>		<b>413.0639</b>	<b>413.0639</b>	<b>0.0121</b>	<b>0.0232</b>	<b>420.2902</b>



West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	8.9500e-003	0.2428	0.0826	9.6000e-004	0.0320	2.4400e-003	0.0345	9.2200e-003	2.3400e-003	0.0116		102.8862	102.8862	3.4300e-003	0.0149	107.4206
Worker	0.1160	0.0848	1.1042	3.0500e-003	0.3577	2.1400e-003	0.3598	0.0949	1.9700e-003	0.0968		310.1777	310.1777	8.6500e-003	8.3100e-003	312.8695
<b>Total</b>	<b>0.1249</b>	<b>0.3276</b>	<b>1.1868</b>	<b>4.0100e-003</b>	<b>0.3897</b>	<b>4.5800e-003</b>	<b>0.3943</b>	<b>0.1041</b>	<b>4.3100e-003</b>	<b>0.1084</b>		<b>413.0639</b>	<b>413.0639</b>	<b>0.0121</b>	<b>0.0232</b>	<b>420.2902</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>28.3622</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0217	0.0159	0.2070	5.7000e-004	0.0671	4.0000e-004	0.0675	0.0178	3.7000e-004	0.0182		58.1583	58.1583	1.6200e-003	1.5600e-003	58.6630
<b>Total</b>	<b>0.0217</b>	<b>0.0159</b>	<b>0.2070</b>	<b>5.7000e-004</b>	<b>0.0671</b>	<b>4.0000e-004</b>	<b>0.0675</b>	<b>0.0178</b>	<b>3.7000e-004</b>	<b>0.0182</b>		<b>58.1583</b>	<b>58.1583</b>	<b>1.6200e-003</b>	<b>1.5600e-003</b>	<b>58.6630</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>28.3622</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0217	0.0159	0.2070	5.7000e-004	0.0671	4.0000e-004	0.0675	0.0178	3.7000e-004	0.0182		58.1583	58.1583	1.6200e-003	1.5600e-003	58.6630
<b>Total</b>	<b>0.0217</b>	<b>0.0159</b>	<b>0.2070</b>	<b>5.7000e-004</b>	<b>0.0671</b>	<b>4.0000e-004</b>	<b>0.0675</b>	<b>0.0178</b>	<b>3.7000e-004</b>	<b>0.0182</b>		<b>58.1583</b>	<b>58.1583</b>	<b>1.6200e-003</b>	<b>1.5600e-003</b>	<b>58.6630</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>28.3493</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0202	0.0141	0.1910	5.5000e-004	0.0671	3.8000e-004	0.0674	0.0178	3.5000e-004	0.0181		56.6309	56.6309	1.4600e-003	1.4400e-003	57.0961
<b>Total</b>	<b>0.0202</b>	<b>0.0141</b>	<b>0.1910</b>	<b>5.5000e-004</b>	<b>0.0671</b>	<b>3.8000e-004</b>	<b>0.0674</b>	<b>0.0178</b>	<b>3.5000e-004</b>	<b>0.0181</b>		<b>56.6309</b>	<b>56.6309</b>	<b>1.4600e-003</b>	<b>1.4400e-003</b>	<b>57.0961</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>28.3493</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0202	0.0141	0.1910	5.5000e-004	0.0671	3.8000e-004	0.0674	0.0178	3.5000e-004	0.0181		56.6309	56.6309	1.4600e-003	1.4400e-003	57.0961
<b>Total</b>	<b>0.0202</b>	<b>0.0141</b>	<b>0.1910</b>	<b>5.5000e-004</b>	<b>0.0671</b>	<b>3.8000e-004</b>	<b>0.0674</b>	<b>0.0178</b>	<b>3.5000e-004</b>	<b>0.0181</b>		<b>56.6309</b>	<b>56.6309</b>	<b>1.4600e-003</b>	<b>1.4400e-003</b>	<b>57.0961</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.396 2	2,484.396 2	0.1591	0.1086	2,520.728 1
Unmitigated	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.396 2	2,484.396 2	0.1591	0.1086	2,520.728 1

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	329.40	366.30	282.60	1,120,777	1,120,777
Total	329.40	366.30	282.60	1,120,777	1,120,777

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

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



West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0182	0.1554	0.0661	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.4158	198.4158	3.8000e-003	3.6400e-003	199.5949
NaturalGas Unmitigated	0.0182	0.1554	0.0661	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.4158	198.4158	3.8000e-003	3.6400e-003	199.5949

**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 Low Rise	1686.53	0.0182	0.1554	0.0661	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.4158	198.4158	3.8000e-003	3.6400e-003	199.5949
<b>Total</b>		<b>0.0182</b>	<b>0.1554</b>	<b>0.0661</b>	<b>9.9000e-004</b>		<b>0.0126</b>	<b>0.0126</b>		<b>0.0126</b>	<b>0.0126</b>		<b>198.4158</b>	<b>198.4158</b>	<b>3.8000e-003</b>	<b>3.6400e-003</b>	<b>199.5949</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	1.68653	0.0182	0.1554	0.0661	9.9000e-004		0.0126	0.0126		0.0126	0.0126		198.4158	198.4158	3.8000e-003	3.6400e-003	199.5949
<b>Total</b>		<b>0.0182</b>	<b>0.1554</b>	<b>0.0661</b>	<b>9.9000e-004</b>		<b>0.0126</b>	<b>0.0126</b>		<b>0.0126</b>	<b>0.0126</b>		<b>198.4158</b>	<b>198.4158</b>	<b>3.8000e-003</b>	<b>3.6400e-003</b>	<b>199.5949</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Unmitigated	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.0771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.7916	0.9337	22.8848	0.0584		3.4375	3.4375		3.4375	3.4375	421.5113	810.0000	1,231.5113	1.2570	0.0286	1,271.4626
Landscaping	0.1116	0.0428	3.7110	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6849	6.6849	6.4100e-003		6.8452
<b>Total</b>	<b>12.8713</b>	<b>0.9764</b>	<b>26.5958</b>	<b>0.0586</b>		<b>3.4580</b>	<b>3.4580</b>		<b>3.4580</b>	<b>3.4580</b>	<b>421.5113</b>	<b>816.6849</b>	<b>1,238.1962</b>	<b>1.2634</b>	<b>0.0286</b>	<b>1,278.3078</b>

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.7916	0.9337	22.8848	0.0584		3.4375	3.4375		3.4375	3.4375	421.5113	810.0000	1,231.5113	1.2570	0.0286	1,271.4626
Landscaping	0.1116	0.0428	3.7110	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6849	6.6849	6.4100e-003		6.8452
<b>Total</b>	<b>12.8713</b>	<b>0.9764</b>	<b>26.5958</b>	<b>0.0586</b>		<b>3.4580</b>	<b>3.4580</b>		<b>3.4580</b>	<b>3.4580</b>	<b>421.5113</b>	<b>816.6849</b>	<b>1,238.1962</b>	<b>1.2634</b>	<b>0.0286</b>	<b>1,278.3078</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Low Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Mid Rise Apts - Construction**

**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 Mid Rise	110.00	Dwelling Unit	2.89	110,000.00	315

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Trips and VMT - Soil import/export

Demolition -

Grading -

Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	4,000.00
tblGrading	MaterialImported	0.00	4,000.00

**2.0 Emissions Summary**

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	69.0923	44.1563	17.2775	0.1225	10.2604	0.9608	11.2212	4.2763	0.8919	5.1682	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	69.0754	1.3405	2.3204	4.4500e-003	0.1788	0.0718	0.2507	0.0474	0.0718	0.1192	0.0000	432.4639	432.4639	0.0207	3.8400e-003	434.1252
<b>Maximum</b>	<b>69.0923</b>	<b>44.1563</b>	<b>17.2775</b>	<b>0.1225</b>	<b>10.2604</b>	<b>0.9608</b>	<b>11.2212</b>	<b>4.2763</b>	<b>0.8919</b>	<b>5.1682</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</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					
2022	69.0923	44.1563	17.2775	0.1225	6.2821	0.9608	7.2429	2.3802	0.8919	3.2721	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	69.0754	1.3405	2.3204	4.4500e-003	0.1788	0.0718	0.2507	0.0474	0.0718	0.1192	0.0000	432.4639	432.4639	0.0207	3.8400e-003	434.1252
<b>Maximum</b>	<b>69.0923</b>	<b>44.1563</b>	<b>17.2775</b>	<b>0.1225</b>	<b>6.2821</b>	<b>0.9608</b>	<b>7.2429</b>	<b>2.3802</b>	<b>0.8919</b>	<b>3.2721</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</b>





West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	31.4633	2.3868	65.0120	0.1432		8.4530	8.4530		8.4530	8.4530	1,030.3610	1,996.3408	3,026.7018	3.0884	0.0699	3,124.7524
Energy	0.0293	0.2503	0.1065	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.4804	319.4804	6.1200e-003	5.8600e-003	321.3789
Mobile	1.7074	2.0334	17.3696	0.0392	4.3085	0.0290	4.3375	1.1481	0.0270	1.1751		4,058.5932	4,058.5932	0.2599	0.1774	4,117.9462
<b>Total</b>	<b>33.2000</b>	<b>4.6705</b>	<b>82.4881</b>	<b>0.1839</b>	<b>4.3085</b>	<b>8.5022</b>	<b>12.8107</b>	<b>1.1481</b>	<b>8.5002</b>	<b>9.6483</b>	<b>1,030.3610</b>	<b>6,374.4143</b>	<b>7,404.7754</b>	<b>3.3544</b>	<b>0.2532</b>	<b>7,564.0775</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	31.4633	2.3868	65.0120	0.1432		8.4530	8.4530		8.4530	8.4530	1,030.3610	1,996.3408	3,026.7018	3.0884	0.0699	3,124.7524
Energy	0.0293	0.2503	0.1065	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.4804	319.4804	6.1200e-003	5.8600e-003	321.3789
Mobile	1.7074	2.0334	17.3696	0.0392	4.3085	0.0290	4.3375	1.1481	0.0270	1.1751		4,058.5932	4,058.5932	0.2599	0.1774	4,117.9462
<b>Total</b>	<b>33.2000</b>	<b>4.6705</b>	<b>82.4881</b>	<b>0.1839</b>	<b>4.3085</b>	<b>8.5022</b>	<b>12.8107</b>	<b>1.1481</b>	<b>8.5002</b>	<b>9.6483</b>	<b>1,030.3610</b>	<b>6,374.4143</b>	<b>7,404.7754</b>	<b>3.3544</b>	<b>0.2532</b>	<b>7,564.0775</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/2/2022	5	3	
3	Grading	Grading	2/3/2022	2/10/2022	5	6	
4	Building Construction	Building Construction	2/11/2022	12/15/2022	5	220	
5	Paving	Paving	12/16/2022	12/29/2022	5	10	
6	Architectural Coating	Architectural Coating	12/30/2022	1/12/2023	5	10	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 222,750; Residential Outdoor: 74,250; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	136.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	79.00	12.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	16.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4765	0.0000	1.4765	0.2236	0.0000	0.2236			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>1.4765</b>	<b>0.8379</b>	<b>2.3144</b>	<b>0.2236</b>	<b>0.7829</b>	<b>1.0064</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6644	0.0000	0.6644	0.1006	0.0000	0.1006			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.6644</b>	<b>0.8379</b>	<b>1.5023</b>	<b>0.1006</b>	<b>0.7829</b>	<b>0.8835</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.7158</b>	<b>0.5952</b>	<b>1.3110</b>	<b>0.0773</b>	<b>0.5476</b>	<b>0.6249</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2334	0.0000	7.2334	3.4476	0.0000	3.4476			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.2334</b>	<b>0.7423</b>	<b>7.9757</b>	<b>3.4476</b>	<b>0.6829</b>	<b>4.1305</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>



West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2550	0.0000	3.2550	1.5514	0.0000	1.5514			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>3.2550</b>	<b>0.7423</b>	<b>3.9973</b>	<b>1.5514</b>	<b>0.6829</b>	<b>2.2343</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	0.0215	0.5828	0.1983	2.3000e-003	0.0768	5.8600e-003	0.0827	0.0221	5.6000e-003	0.0277		246.9268	246.9268	8.2400e-003	0.0358	257.8095
Worker	0.2862	0.2094	2.7260	7.5300e-003	0.8830	5.2800e-003	0.8883	0.2342	4.8600e-003	0.2390		765.7513	765.7513	0.0214	0.0205	772.3967
<b>Total</b>	<b>0.3077</b>	<b>0.7922</b>	<b>2.9243</b>	<b>9.8300e-003</b>	<b>0.9599</b>	<b>0.0111</b>	<b>0.9710</b>	<b>0.2563</b>	<b>0.0105</b>	<b>0.2668</b>		<b>1,012.6780</b>	<b>1,012.6780</b>	<b>0.0296</b>	<b>0.0563</b>	<b>1,030.2062</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	0.0215	0.5828	0.1983	2.3000e-003	0.0768	5.8600e-003	0.0827	0.0221	5.6000e-003	0.0277		246.9268	246.9268	8.2400e-003	0.0358	257.8095
Worker	0.2862	0.2094	2.7260	7.5300e-003	0.8830	5.2800e-003	0.8883	0.2342	4.8600e-003	0.2390		765.7513	765.7513	0.0214	0.0205	772.3967
<b>Total</b>	<b>0.3077</b>	<b>0.7922</b>	<b>2.9243</b>	<b>9.8300e-003</b>	<b>0.9599</b>	<b>0.0111</b>	<b>0.9710</b>	<b>0.2563</b>	<b>0.0105</b>	<b>0.2668</b>		<b>1,012.6780</b>	<b>1,012.6780</b>	<b>0.0296</b>	<b>0.0563</b>	<b>1,030.2062</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	68.8298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>69.0343</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0580	0.0424	0.5521	1.5200e-003	0.1788	1.0700e-003	0.1799	0.0474	9.8000e-004	0.0484		155.0889	155.0889	4.3300e-003	4.1500e-003	156.4348
<b>Total</b>	<b>0.0580</b>	<b>0.0424</b>	<b>0.5521</b>	<b>1.5200e-003</b>	<b>0.1788</b>	<b>1.0700e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.8000e-004</b>	<b>0.0484</b>		<b>155.0889</b>	<b>155.0889</b>	<b>4.3300e-003</b>	<b>4.1500e-003</b>	<b>156.4348</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	68.8298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>69.0343</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0580	0.0424	0.5521	1.5200e-003	0.1788	1.0700e-003	0.1799	0.0474	9.8000e-004	0.0484		155.0889	155.0889	4.3300e-003	4.1500e-003	156.4348
<b>Total</b>	<b>0.0580</b>	<b>0.0424</b>	<b>0.5521</b>	<b>1.5200e-003</b>	<b>0.1788</b>	<b>1.0700e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.8000e-004</b>	<b>0.0484</b>		<b>155.0889</b>	<b>155.0889</b>	<b>4.3300e-003</b>	<b>4.1500e-003</b>	<b>156.4348</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	68.8298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>69.0214</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0540	0.0375	0.5093	1.4800e-003	0.1788	1.0100e-003	0.1799	0.0474	9.3000e-004	0.0484		151.0158	151.0158	3.8900e-003	3.8400e-003	152.2562
<b>Total</b>	<b>0.0540</b>	<b>0.0375</b>	<b>0.5093</b>	<b>1.4800e-003</b>	<b>0.1788</b>	<b>1.0100e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.3000e-004</b>	<b>0.0484</b>		<b>151.0158</b>	<b>151.0158</b>	<b>3.8900e-003</b>	<b>3.8400e-003</b>	<b>152.2562</b>



West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	68.8298					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>69.0214</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0540	0.0375	0.5093	1.4800e-003	0.1788	1.0100e-003	0.1799	0.0474	9.3000e-004	0.0484		151.0158	151.0158	3.8900e-003	3.8400e-003	152.2562
<b>Total</b>	<b>0.0540</b>	<b>0.0375</b>	<b>0.5093</b>	<b>1.4800e-003</b>	<b>0.1788</b>	<b>1.0100e-003</b>	<b>0.1799</b>	<b>0.0474</b>	<b>9.3000e-004</b>	<b>0.0484</b>		<b>151.0158</b>	<b>151.0158</b>	<b>3.8900e-003</b>	<b>3.8400e-003</b>	<b>152.2562</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7074	2.0334	17.3696	0.0392	4.3085	0.0290	4.3375	1.1481	0.0270	1.1751		4,058.593 2	4,058.593 2	0.2599	0.1774	4,117.946 2
Unmitigated	1.7074	2.0334	17.3696	0.0392	4.3085	0.0290	4.3375	1.1481	0.0270	1.1751		4,058.593 2	4,058.593 2	0.2599	0.1774	4,117.946 2

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	598.40	540.10	449.90	1,943,871	1,943,871
Total	598.40	540.10	449.90	1,943,871	1,943,871

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

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

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0293	0.2503	0.1065	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.4804	319.4804	6.1200e-003	5.8600e-003	321.3789
NaturalGas Unmitigated	0.0293	0.2503	0.1065	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.4804	319.4804	6.1200e-003	5.8600e-003	321.3789

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2715.58	0.0293	0.2503	0.1065	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.4804	319.4804	6.1200e-003	5.8600e-003	321.3789
<b>Total</b>		<b>0.0293</b>	<b>0.2503</b>	<b>0.1065</b>	<b>1.6000e-003</b>		<b>0.0202</b>	<b>0.0202</b>		<b>0.0202</b>	<b>0.0202</b>		<b>319.4804</b>	<b>319.4804</b>	<b>6.1200e-003</b>	<b>5.8600e-003</b>	<b>321.3789</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	2.71558	0.0293	0.2503	0.1065	1.6000e-003		0.0202	0.0202		0.0202	0.0202		319.4804	319.4804	6.1200e-003	5.8600e-003	321.3789
<b>Total</b>		<b>0.0293</b>	<b>0.2503</b>	<b>0.1065</b>	<b>1.6000e-003</b>		<b>0.0202</b>	<b>0.0202</b>		<b>0.0202</b>	<b>0.0202</b>		<b>319.4804</b>	<b>319.4804</b>	<b>6.1200e-003</b>	<b>5.8600e-003</b>	<b>321.3789</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	31.4633	2.3868	65.0120	0.1432		8.4530	8.4530		8.4530	8.4530	1,030.3610	1,996.3408	3,026.7018	3.0884	0.0699	3,124.7524
Unmitigated	31.4633	2.3868	65.0120	0.1432		8.4530	8.4530		8.4530	8.4530	1,030.3610	1,996.3408	3,026.7018	3.0884	0.0699	3,124.7524

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	28.8240	2.2823	55.9407	0.1427		8.4027	8.4027		8.4027	8.4027	1,030.3610	1,980.0000	3,010.3610	3.0727	0.0699	3,108.0196
Landscaping	0.2728	0.1045	9.0713	4.8000e-004		0.0503	0.0503		0.0503	0.0503		16.3408	16.3408	0.0157		16.7327
<b>Total</b>	<b>31.4633</b>	<b>2.3868</b>	<b>65.0120</b>	<b>0.1432</b>		<b>8.4530</b>	<b>8.4530</b>		<b>8.4530</b>	<b>8.4530</b>	<b>1,030.3610</b>	<b>1,996.3408</b>	<b>3,026.7018</b>	<b>3.0884</b>	<b>0.0699</b>	<b>3,124.7524</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.1886					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.1780					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	28.8240	2.2823	55.9407	0.1427		8.4027	8.4027		8.4027	8.4027	1,030.3610	1,980.0000	3,010.3610	3.0727	0.0699	3,108.0196
Landscaping	0.2728	0.1045	9.0713	4.8000e-004		0.0503	0.0503		0.0503	0.0503		16.3408	16.3408	0.0157		16.7327
<b>Total</b>	<b>31.4633</b>	<b>2.3868</b>	<b>65.0120</b>	<b>0.1432</b>		<b>8.4530</b>	<b>8.4530</b>		<b>8.4530</b>	<b>8.4530</b>	<b>1,030.3610</b>	<b>1,996.3408</b>	<b>3,026.7018</b>	<b>3.0884</b>	<b>0.0699</b>	<b>3,124.7524</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Mid Rise Apts - Construction - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Condos - Construction**

**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	45.00	Dwelling Unit	2.81	45,000.00	129

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use -
- Trips and VMT - Soil import/export
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	4,000.00
tblGrading	MaterialImported	0.00	4,000.00

**2.0 Emissions Summary**



West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	28.3839	44.1563	15.8965	0.1225	10.2604	0.9608	11.2212	4.2763	0.8919	5.1682	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	28.3695	1.3171	2.0021	3.5200e-003	0.0671	0.0712	0.1383	0.0178	0.0712	0.0890	0.0000	338.0790	338.0790	0.0183	1.4400e-003	338.9651
<b>Maximum</b>	<b>28.3839</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>10.2604</b>	<b>0.9608</b>	<b>11.2212</b>	<b>4.2763</b>	<b>0.8919</b>	<b>5.1682</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</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					
2022	28.3839	44.1563	15.8965	0.1225	6.2821	0.9608	7.2429	2.3802	0.8919	3.2721	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	28.3695	1.3171	2.0021	3.5200e-003	0.0671	0.0712	0.1383	0.0178	0.0712	0.0890	0.0000	338.0790	338.0790	0.0183	1.4400e-003	338.9651
<b>Maximum</b>	<b>28.3839</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>6.2821</b>	<b>0.9608</b>	<b>7.2429</b>	<b>2.3802</b>	<b>0.8919</b>	<b>3.2721</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</b>

## West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.52	0.00	35.02	44.16	0.00	36.07	0.00	0.00	0.00	0.00	0.00	0.00

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Energy	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156		246.4825	246.4825	4.7200e-003	4.5200e-003	247.9472
Mobile	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.3962	2,484.3962	0.1591	0.1086	2,520.7281
<b>Total</b>	<b>13.9391</b>	<b>2.4142</b>	<b>37.3105</b>	<b>0.0838</b>	<b>2.6374</b>	<b>3.4914</b>	<b>6.1288</b>	<b>0.7028</b>	<b>3.4902</b>	<b>4.1930</b>	<b>421.5113</b>	<b>3,547.5635</b>	<b>3,969.0749</b>	<b>1.4273</b>	<b>0.1417</b>	<b>4,046.9831</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	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Energy	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156		246.4825	246.4825	4.7200e-003	4.5200e-003	247.9472
Mobile	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.3962	2,484.3962	0.1591	0.1086	2,520.7281
<b>Total</b>	<b>13.9391</b>	<b>2.4142</b>	<b>37.3105</b>	<b>0.0838</b>	<b>2.6374</b>	<b>3.4914</b>	<b>6.1288</b>	<b>0.7028</b>	<b>3.4902</b>	<b>4.1930</b>	<b>421.5113</b>	<b>3,547.5635</b>	<b>3,969.0749</b>	<b>1.4273</b>	<b>0.1417</b>	<b>4,046.9831</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/2/2022	5	3	
3	Grading	Grading	2/3/2022	2/10/2022	5	6	
4	Building Construction	Building Construction	2/11/2022	12/15/2022	5	220	
5	Paving	Paving	12/16/2022	12/29/2022	5	10	
6	Architectural Coating	Architectural Coating	12/30/2022	1/12/2023	5	10	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 91,125; Residential Outdoor: 30,375; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	136.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	32.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4765	0.0000	1.4765	0.2236	0.0000	0.2236			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>1.4765</b>	<b>0.8379</b>	<b>2.3144</b>	<b>0.2236</b>	<b>0.7829</b>	<b>1.0064</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6644	0.0000	0.6644	0.1006	0.0000	0.1006			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.6644</b>	<b>0.8379</b>	<b>1.5023</b>	<b>0.1006</b>	<b>0.7829</b>	<b>0.8835</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>



West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.7158</b>	<b>0.5952</b>	<b>1.3110</b>	<b>0.0773</b>	<b>0.5476</b>	<b>0.6249</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2334	0.0000	7.2334	3.4476	0.0000	3.4476			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.2334</b>	<b>0.7423</b>	<b>7.9757</b>	<b>3.4476</b>	<b>0.6829</b>	<b>4.1305</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2550	0.0000	3.2550	1.5514	0.0000	1.5514			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>3.2550</b>	<b>0.7423</b>	<b>3.9973</b>	<b>1.5514</b>	<b>0.6829</b>	<b>2.2343</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	8.9500e-003	0.2428	0.0826	9.6000e-004	0.0320	2.4400e-003	0.0345	9.2200e-003	2.3400e-003	0.0116		102.8862	102.8862	3.4300e-003	0.0149	107.4206
Worker	0.1160	0.0848	1.1042	3.0500e-003	0.3577	2.1400e-003	0.3598	0.0949	1.9700e-003	0.0968		310.1777	310.1777	8.6500e-003	8.3100e-003	312.8695
<b>Total</b>	<b>0.1249</b>	<b>0.3276</b>	<b>1.1868</b>	<b>4.0100e-003</b>	<b>0.3897</b>	<b>4.5800e-003</b>	<b>0.3943</b>	<b>0.1041</b>	<b>4.3100e-003</b>	<b>0.1084</b>		<b>413.0639</b>	<b>413.0639</b>	<b>0.0121</b>	<b>0.0232</b>	<b>420.2902</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	8.9500e-003	0.2428	0.0826	9.6000e-004	0.0320	2.4400e-003	0.0345	9.2200e-003	2.3400e-003	0.0116		102.8862	102.8862	3.4300e-003	0.0149	107.4206
Worker	0.1160	0.0848	1.1042	3.0500e-003	0.3577	2.1400e-003	0.3598	0.0949	1.9700e-003	0.0968		310.1777	310.1777	8.6500e-003	8.3100e-003	312.8695
<b>Total</b>	<b>0.1249</b>	<b>0.3276</b>	<b>1.1868</b>	<b>4.0100e-003</b>	<b>0.3897</b>	<b>4.5800e-003</b>	<b>0.3943</b>	<b>0.1041</b>	<b>4.3100e-003</b>	<b>0.1084</b>		<b>413.0639</b>	<b>413.0639</b>	<b>0.0121</b>	<b>0.0232</b>	<b>420.2902</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>28.3622</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0217	0.0159	0.2070	5.7000e-004	0.0671	4.0000e-004	0.0675	0.0178	3.7000e-004	0.0182		58.1583	58.1583	1.6200e-003	1.5600e-003	58.6630
<b>Total</b>	<b>0.0217</b>	<b>0.0159</b>	<b>0.2070</b>	<b>5.7000e-004</b>	<b>0.0671</b>	<b>4.0000e-004</b>	<b>0.0675</b>	<b>0.0178</b>	<b>3.7000e-004</b>	<b>0.0182</b>		<b>58.1583</b>	<b>58.1583</b>	<b>1.6200e-003</b>	<b>1.5600e-003</b>	<b>58.6630</b>



West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>28.3622</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0217	0.0159	0.2070	5.7000e-004	0.0671	4.0000e-004	0.0675	0.0178	3.7000e-004	0.0182		58.1583	58.1583	1.6200e-003	1.5600e-003	58.6630
<b>Total</b>	<b>0.0217</b>	<b>0.0159</b>	<b>0.2070</b>	<b>5.7000e-004</b>	<b>0.0671</b>	<b>4.0000e-004</b>	<b>0.0675</b>	<b>0.0178</b>	<b>3.7000e-004</b>	<b>0.0182</b>		<b>58.1583</b>	<b>58.1583</b>	<b>1.6200e-003</b>	<b>1.5600e-003</b>	<b>58.6630</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>28.3493</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0202	0.0141	0.1910	5.5000e-004	0.0671	3.8000e-004	0.0674	0.0178	3.5000e-004	0.0181		56.6309	56.6309	1.4600e-003	1.4400e-003	57.0961
<b>Total</b>	<b>0.0202</b>	<b>0.0141</b>	<b>0.1910</b>	<b>5.5000e-004</b>	<b>0.0671</b>	<b>3.8000e-004</b>	<b>0.0674</b>	<b>0.0178</b>	<b>3.5000e-004</b>	<b>0.0181</b>		<b>56.6309</b>	<b>56.6309</b>	<b>1.4600e-003</b>	<b>1.4400e-003</b>	<b>57.0961</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>28.3493</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0202	0.0141	0.1910	5.5000e-004	0.0671	3.8000e-004	0.0674	0.0178	3.5000e-004	0.0181		56.6309	56.6309	1.4600e-003	1.4400e-003	57.0961
<b>Total</b>	<b>0.0202</b>	<b>0.0141</b>	<b>0.1910</b>	<b>5.5000e-004</b>	<b>0.0671</b>	<b>3.8000e-004</b>	<b>0.0674</b>	<b>0.0178</b>	<b>3.5000e-004</b>	<b>0.0181</b>		<b>56.6309</b>	<b>56.6309</b>	<b>1.4600e-003</b>	<b>1.4400e-003</b>	<b>57.0961</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.396 2	2,484.396 2	0.1591	0.1086	2,520.728 1
Unmitigated	1.0452	1.2447	10.6325	0.0240	2.6374	0.0178	2.6551	0.7028	0.0165	0.7193		2,484.396 2	2,484.396 2	0.1591	0.1086	2,520.728 1

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	329.40	366.30	282.60	1,120,777	1,120,777
Total	329.40	366.30	282.60	1,120,777	1,120,777

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

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

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156		246.4825	246.4825	4.7200e-003	4.5200e-003	247.9472
NaturalGas Unmitigated	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156		246.4825	246.4825	4.7200e-003	4.5200e-003	247.9472

**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					
Condo/Townhouse	2095.1	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156		246.4825	246.4825	4.7200e-003	4.5200e-003	247.9472
<b>Total</b>		<b>0.0226</b>	<b>0.1931</b>	<b>0.0822</b>	<b>1.2300e-003</b>		<b>0.0156</b>	<b>0.0156</b>		<b>0.0156</b>	<b>0.0156</b>		<b>246.4825</b>	<b>246.4825</b>	<b>4.7200e-003</b>	<b>4.5200e-003</b>	<b>247.9472</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day											lb/day				
Condo/Townhouse	2.0951	0.0226	0.1931	0.0822	1.2300e-003		0.0156	0.0156		0.0156	0.0156		246.4825	246.4825	4.7200e-003	4.5200e-003	247.9472
<b>Total</b>		<b>0.0226</b>	<b>0.1931</b>	<b>0.0822</b>	<b>1.2300e-003</b>		<b>0.0156</b>	<b>0.0156</b>		<b>0.0156</b>	<b>0.0156</b>		<b>246.4825</b>	<b>246.4825</b>	<b>4.7200e-003</b>	<b>4.5200e-003</b>	<b>247.9472</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day											lb/day				
Mitigated	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Unmitigated	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.0771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.7916	0.9337	22.8848	0.0584		3.4375	3.4375		3.4375	3.4375	421.5113	810.0000	1,231.5113	1.2570	0.0286	1,271.4626
Landscaping	0.1116	0.0428	3.7110	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6849	6.6849	6.4100e-003		6.8452
<b>Total</b>	<b>12.8713</b>	<b>0.9764</b>	<b>26.5958</b>	<b>0.0586</b>		<b>3.4580</b>	<b>3.4580</b>		<b>3.4580</b>	<b>3.4580</b>	<b>421.5113</b>	<b>816.6849</b>	<b>1,238.1962</b>	<b>1.2634</b>	<b>0.0286</b>	<b>1,278.3078</b>

West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.7916	0.9337	22.8848	0.0584		3.4375	3.4375		3.4375	3.4375	421.5113	810.0000	1,231.5113	1.2570	0.0286	1,271.4626
Landscaping	0.1116	0.0428	3.7110	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6849	6.6849	6.4100e-003		6.8452
<b>Total</b>	<b>12.8713</b>	<b>0.9764</b>	<b>26.5958</b>	<b>0.0586</b>		<b>3.4580</b>	<b>3.4580</b>		<b>3.4580</b>	<b>3.4580</b>	<b>421.5113</b>	<b>816.6849</b>	<b>1,238.1962</b>	<b>1.2634</b>	<b>0.0286</b>	<b>1,278.3078</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



West Hollywood Small Housing Projects - Condos - Construction - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Retirement Community - Construction**

South Coast AQMD Air District, Winter

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	45.00	Dwelling Unit	2.81	45,000.00	129

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2024
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

- Project Characteristics -
- Land Use -
- Trips and VMT - Soil import/export
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblGrading	MaterialExported	0.00	4,000.00
tblGrading	MaterialImported	0.00	4,000.00

**2.0 Emissions Summary**

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	28.3839	44.1563	15.8965	0.1225	10.2604	0.9608	11.2212	4.2763	0.8919	5.1682	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	28.3695	1.3171	2.0021	3.5200e-003	0.0671	0.0712	0.1383	0.0178	0.0712	0.0890	0.0000	338.0790	338.0790	0.0183	1.4400e-003	338.9651
<b>Maximum</b>	<b>28.3839</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>10.2604</b>	<b>0.9608</b>	<b>11.2212</b>	<b>4.2763</b>	<b>0.8919</b>	<b>5.1682</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</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					
2022	28.3839	44.1563	15.8965	0.1225	6.2821	0.9608	7.2429	2.3802	0.8919	3.2721	0.0000	13,160.5003	13,160.5003	1.2413	1.7597	13,715.9140
2023	28.3695	1.3171	2.0021	3.5200e-003	0.0671	0.0712	0.1383	0.0178	0.0712	0.0890	0.0000	338.0790	338.0790	0.0183	1.4400e-003	338.9651
<b>Maximum</b>	<b>28.3839</b>	<b>44.1563</b>	<b>15.8965</b>	<b>0.1225</b>	<b>6.2821</b>	<b>0.9608</b>	<b>7.2429</b>	<b>2.3802</b>	<b>0.8919</b>	<b>3.2721</b>	<b>0.0000</b>	<b>13,160.5003</b>	<b>13,160.5003</b>	<b>1.2413</b>	<b>1.7597</b>	<b>13,715.9140</b>

## West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	38.52	0.00	35.02	44.16	0.00	36.07	0.00	0.00	0.00	0.00	0.00	0.00

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Energy	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6965	130.6965	2.5100e-003	2.4000e-003	131.4732
Mobile	0.4045	0.4817	4.1145	9.2700e-003	1.0206	6.8700e-003	1.0275	0.2720	6.3900e-003	0.2784		961.4064	961.4064	0.0616	0.0420	975.4660
<b>Total</b>	<b>13.2878</b>	<b>1.5605</b>	<b>30.7539</b>	<b>0.0685</b>	<b>1.0206</b>	<b>3.4732</b>	<b>4.4938</b>	<b>0.2720</b>	<b>3.4727</b>	<b>3.7447</b>	<b>421.5113</b>	<b>1,908.7878</b>	<b>2,330.2991</b>	<b>1.3275</b>	<b>0.0730</b>	<b>2,385.2470</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	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Energy	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6965	130.6965	2.5100e-003	2.4000e-003	131.4732
Mobile	0.4045	0.4817	4.1145	9.2700e-003	1.0206	6.8700e-003	1.0275	0.2720	6.3900e-003	0.2784		961.4064	961.4064	0.0616	0.0420	975.4660
<b>Total</b>	<b>13.2878</b>	<b>1.5605</b>	<b>30.7539</b>	<b>0.0685</b>	<b>1.0206</b>	<b>3.4732</b>	<b>4.4938</b>	<b>0.2720</b>	<b>3.4727</b>	<b>3.7447</b>	<b>421.5113</b>	<b>1,908.7878</b>	<b>2,330.2991</b>	<b>1.3275</b>	<b>0.0730</b>	<b>2,385.2470</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/2/2022	5	3	
3	Grading	Grading	2/3/2022	2/10/2022	5	6	
4	Building Construction	Building Construction	2/11/2022	12/15/2022	5	220	
5	Paving	Paving	12/16/2022	12/29/2022	5	10	
6	Architectural Coating	Architectural Coating	12/30/2022	1/12/2023	5	10	

**Acres of Grading (Site Preparation Phase): 4.5**

**Acres of Grading (Grading Phase): 6**

**Acres of Paving: 0**

**Residential Indoor: 91,125; Residential Outdoor: 30,375; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	187	0.41
Site Preparation	Scrapers	1	8.00	367	0.48

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	7.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	2	7.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	8.00	46	0.45
Paving	Cement and Mortar Mixers	1	8.00	9	0.56
Paving	Pavers	1	8.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	136.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	8	32.00	5.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	6.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4765	0.0000	1.4765	0.2236	0.0000	0.2236			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829		2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>1.4765</b>	<b>0.8379</b>	<b>2.3144</b>	<b>0.2236</b>	<b>0.7829</b>	<b>1.0064</b>		<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>



West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6644	0.0000	0.6644	0.1006	0.0000	0.1006			0.0000			0.0000
Off-Road	1.6889	16.6217	13.9605	0.0241		0.8379	0.8379		0.7829	0.7829	0.0000	2,323.4168	2,323.4168	0.5921		2,338.2191
<b>Total</b>	<b>1.6889</b>	<b>16.6217</b>	<b>13.9605</b>	<b>0.0241</b>	<b>0.6644</b>	<b>0.8379</b>	<b>1.5023</b>	<b>0.1006</b>	<b>0.7829</b>	<b>0.8835</b>	<b>0.0000</b>	<b>2,323.4168</b>	<b>2,323.4168</b>	<b>0.5921</b>		<b>2,338.2191</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0471	0.0345	0.4486	1.2400e-003	0.1453	8.7000e-004	0.1462	0.0385	8.0000e-004	0.0393		126.0097	126.0097	3.5200e-003	3.3700e-003	127.1033
<b>Total</b>	<b>0.0750</b>	<b>1.1420</b>	<b>0.7069</b>	<b>5.3600e-003</b>	<b>0.2643</b>	<b>9.7600e-003</b>	<b>0.2740</b>	<b>0.0711</b>	<b>9.3000e-003</b>	<b>0.0805</b>		<b>577.5877</b>	<b>577.5877</b>	<b>0.0277</b>	<b>0.0751</b>	<b>600.6495</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.5908	0.0000	1.5908	0.1718	0.0000	0.1718			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476		2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>1.5908</b>	<b>0.5952</b>	<b>2.1859</b>	<b>0.1718</b>	<b>0.5476</b>	<b>0.7193</b>		<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.7158	0.0000	0.7158	0.0773	0.0000	0.0773			0.0000			0.0000
Off-Road	1.3784	15.6673	10.0558	0.0245		0.5952	0.5952		0.5476	0.5476	0.0000	2,375.1569	2,375.1569	0.7682		2,394.3613
<b>Total</b>	<b>1.3784</b>	<b>15.6673</b>	<b>10.0558</b>	<b>0.0245</b>	<b>0.7158</b>	<b>0.5952</b>	<b>1.3110</b>	<b>0.0773</b>	<b>0.5476</b>	<b>0.6249</b>	<b>0.0000</b>	<b>2,375.1569</b>	<b>2,375.1569</b>	<b>0.7682</b>		<b>2,394.3613</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	0.0290	0.0212	0.2761	7.6000e-004	0.0894	5.3000e-004	0.0900	0.0237	4.9000e-004	0.0242		77.5444	77.5444	2.1600e-003	2.0800e-003	78.2174
<b>Total</b>	<b>0.0290</b>	<b>0.0212</b>	<b>0.2761</b>	<b>7.6000e-004</b>	<b>0.0894</b>	<b>5.3000e-004</b>	<b>0.0900</b>	<b>0.0237</b>	<b>4.9000e-004</b>	<b>0.0242</b>		<b>77.5444</b>	<b>77.5444</b>	<b>2.1600e-003</b>	<b>2.0800e-003</b>	<b>78.2174</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					7.2334	0.0000	7.2334	3.4476	0.0000	3.4476			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829		1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>7.2334</b>	<b>0.7423</b>	<b>7.9757</b>	<b>3.4476</b>	<b>0.6829</b>	<b>4.1305</b>		<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.2550	0.0000	3.2550	1.5514	0.0000	1.5514			0.0000			0.0000
Off-Road	1.5403	16.9836	9.2202	0.0206		0.7423	0.7423		0.6829	0.6829	0.0000	1,995.4825	1,995.4825	0.6454		2,011.6169
<b>Total</b>	<b>1.5403</b>	<b>16.9836</b>	<b>9.2202</b>	<b>0.0206</b>	<b>3.2550</b>	<b>0.7423</b>	<b>3.9973</b>	<b>1.5514</b>	<b>0.6829</b>	<b>2.2343</b>	<b>0.0000</b>	<b>1,995.4825</b>	<b>1,995.4825</b>	<b>0.6454</b>		<b>2,011.6169</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	0.6848	27.1462	6.3313	0.1009	2.9153	0.2178	3.1331	0.7991	0.2084	1.0075		11,068.0874	11,068.0874	0.5933	1.7571	11,606.5254
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0362	0.0265	0.3451	9.5000e-004	0.1118	6.7000e-004	0.1124	0.0296	6.1000e-004	0.0303		96.9305	96.9305	2.7000e-003	2.6000e-003	97.7717
<b>Total</b>	<b>0.7210</b>	<b>27.1727</b>	<b>6.6763</b>	<b>0.1019</b>	<b>3.0271</b>	<b>0.2185</b>	<b>3.2456</b>	<b>0.8287</b>	<b>0.2090</b>	<b>1.0378</b>		<b>11,165.0179</b>	<b>11,165.0179</b>	<b>0.5960</b>	<b>1.7597</b>	<b>11,704.2971</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731		2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>		<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	8.9500e-003	0.2428	0.0826	9.6000e-004	0.0320	2.4400e-003	0.0345	9.2200e-003	2.3400e-003	0.0116		102.8862	102.8862	3.4300e-003	0.0149	107.4206
Worker	0.1160	0.0848	1.1042	3.0500e-003	0.3577	2.1400e-003	0.3598	0.0949	1.9700e-003	0.0968		310.1777	310.1777	8.6500e-003	8.3100e-003	312.8695
<b>Total</b>	<b>0.1249</b>	<b>0.3276</b>	<b>1.1868</b>	<b>4.0100e-003</b>	<b>0.3897</b>	<b>4.5800e-003</b>	<b>0.3943</b>	<b>0.1041</b>	<b>4.3100e-003</b>	<b>0.1084</b>		<b>413.0639</b>	<b>413.0639</b>	<b>0.0121</b>	<b>0.0232</b>	<b>420.2902</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8555	14.6040	14.3533	0.0250		0.7022	0.7022		0.6731	0.6731	0.0000	2,289.2813	2,289.2813	0.4417		2,300.3230
<b>Total</b>	<b>1.8555</b>	<b>14.6040</b>	<b>14.3533</b>	<b>0.0250</b>		<b>0.7022</b>	<b>0.7022</b>		<b>0.6731</b>	<b>0.6731</b>	<b>0.0000</b>	<b>2,289.2813</b>	<b>2,289.2813</b>	<b>0.4417</b>		<b>2,300.3230</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	8.9500e-003	0.2428	0.0826	9.6000e-004	0.0320	2.4400e-003	0.0345	9.2200e-003	2.3400e-003	0.0116		102.8862	102.8862	3.4300e-003	0.0149	107.4206
Worker	0.1160	0.0848	1.1042	3.0500e-003	0.3577	2.1400e-003	0.3598	0.0949	1.9700e-003	0.0968		310.1777	310.1777	8.6500e-003	8.3100e-003	312.8695
<b>Total</b>	<b>0.1249</b>	<b>0.3276</b>	<b>1.1868</b>	<b>4.0100e-003</b>	<b>0.3897</b>	<b>4.5800e-003</b>	<b>0.3943</b>	<b>0.1041</b>	<b>4.3100e-003</b>	<b>0.1084</b>		<b>413.0639</b>	<b>413.0639</b>	<b>0.0121</b>	<b>0.0232</b>	<b>420.2902</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500		1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>		<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>



West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.9412	9.3322	11.6970	0.0179		0.4879	0.4879		0.4500	0.4500	0.0000	1,709.689 2	1,709.689 2	0.5419		1,723.235 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9412</b>	<b>9.3322</b>	<b>11.6970</b>	<b>0.0179</b>		<b>0.4879</b>	<b>0.4879</b>		<b>0.4500</b>	<b>0.4500</b>	<b>0.0000</b>	<b>1,709.689 2</b>	<b>1,709.689 2</b>	<b>0.5419</b>		<b>1,723.235 6</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	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0544</b>	<b>0.0398</b>	<b>0.5176</b>	<b>1.4300e-003</b>	<b>0.1677</b>	<b>1.0000e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.2000e-004</b>	<b>0.0454</b>		<b>145.3958</b>	<b>145.3958</b>	<b>4.0600e-003</b>	<b>3.8900e-003</b>	<b>146.6576</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>28.3622</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0217	0.0159	0.2070	5.7000e-004	0.0671	4.0000e-004	0.0675	0.0178	3.7000e-004	0.0182		58.1583	58.1583	1.6200e-003	1.5600e-003	58.6630
<b>Total</b>	<b>0.0217</b>	<b>0.0159</b>	<b>0.2070</b>	<b>5.7000e-004</b>	<b>0.0671</b>	<b>4.0000e-004</b>	<b>0.0675</b>	<b>0.0178</b>	<b>3.7000e-004</b>	<b>0.0182</b>		<b>58.1583</b>	<b>58.1583</b>	<b>1.6200e-003</b>	<b>1.5600e-003</b>	<b>58.6630</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e-003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
<b>Total</b>	<b>28.3622</b>	<b>1.4085</b>	<b>1.8136</b>	<b>2.9700e-003</b>		<b>0.0817</b>	<b>0.0817</b>		<b>0.0817</b>	<b>0.0817</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0183</b>		<b>281.9062</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	0.0217	0.0159	0.2070	5.7000e-004	0.0671	4.0000e-004	0.0675	0.0178	3.7000e-004	0.0182		58.1583	58.1583	1.6200e-003	1.5600e-003	58.6630
<b>Total</b>	<b>0.0217</b>	<b>0.0159</b>	<b>0.2070</b>	<b>5.7000e-004</b>	<b>0.0671</b>	<b>4.0000e-004</b>	<b>0.0675</b>	<b>0.0178</b>	<b>3.7000e-004</b>	<b>0.0182</b>		<b>58.1583</b>	<b>58.1583</b>	<b>1.6200e-003</b>	<b>1.5600e-003</b>	<b>58.6630</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>28.3493</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0202	0.0141	0.1910	5.5000e-004	0.0671	3.8000e-004	0.0674	0.0178	3.5000e-004	0.0181		56.6309	56.6309	1.4600e-003	1.4400e-003	57.0961
<b>Total</b>	<b>0.0202</b>	<b>0.0141</b>	<b>0.1910</b>	<b>5.5000e-004</b>	<b>0.0671</b>	<b>3.8000e-004</b>	<b>0.0674</b>	<b>0.0178</b>	<b>3.5000e-004</b>	<b>0.0181</b>		<b>56.6309</b>	<b>56.6309</b>	<b>1.4600e-003</b>	<b>1.4400e-003</b>	<b>57.0961</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	28.1576					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>28.3493</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0202	0.0141	0.1910	5.5000e-004	0.0671	3.8000e-004	0.0674	0.0178	3.5000e-004	0.0181		56.6309	56.6309	1.4600e-003	1.4400e-003	57.0961
<b>Total</b>	<b>0.0202</b>	<b>0.0141</b>	<b>0.1910</b>	<b>5.5000e-004</b>	<b>0.0671</b>	<b>3.8000e-004</b>	<b>0.0674</b>	<b>0.0178</b>	<b>3.5000e-004</b>	<b>0.0181</b>		<b>56.6309</b>	<b>56.6309</b>	<b>1.4600e-003</b>	<b>1.4400e-003</b>	<b>57.0961</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4045	0.4817	4.1145	9.2700e-003	1.0206	6.8700e-003	1.0275	0.2720	6.3900e-003	0.2784		961.4064	961.4064	0.0616	0.0420	975.4660
Unmitigated	0.4045	0.4817	4.1145	9.2700e-003	1.0206	6.8700e-003	1.0275	0.2720	6.3900e-003	0.2784		961.4064	961.4064	0.0616	0.0420	975.4660

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	117.00	131.85	141.75	419,138	419,138
Total	117.00	131.85	141.75	419,138	419,138

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

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

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6965	130.6965	2.5100e-003	2.4000e-003	131.4732
NaturalGas Unmitigated	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6965	130.6965	2.5100e-003	2.4000e-003	131.4732

**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					
Congregate Care (Assisted Living)	1110.92	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6965	130.6965	2.5100e-003	2.4000e-003	131.4732
<b>Total</b>		<b>0.0120</b>	<b>0.1024</b>	<b>0.0436</b>	<b>6.5000e-004</b>		<b>8.2800e-003</b>	<b>8.2800e-003</b>		<b>8.2800e-003</b>	<b>8.2800e-003</b>		<b>130.6965</b>	<b>130.6965</b>	<b>2.5100e-003</b>	<b>2.4000e-003</b>	<b>131.4732</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Congregate Care (Assisted Living)	1.11092	0.0120	0.1024	0.0436	6.5000e-004		8.2800e-003	8.2800e-003		8.2800e-003	8.2800e-003		130.6965	130.6965	2.5100e-003	2.4000e-003	131.4732
<b>Total</b>		<b>0.0120</b>	<b>0.1024</b>	<b>0.0436</b>	<b>6.5000e-004</b>		<b>8.2800e-003</b>	<b>8.2800e-003</b>		<b>8.2800e-003</b>	<b>8.2800e-003</b>		<b>130.6965</b>	<b>130.6965</b>	<b>2.5100e-003</b>	<b>2.4000e-003</b>	<b>131.4732</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078
Unmitigated	12.8714	0.9764	26.5958	0.0586		3.4580	3.4580		3.4580	3.4580	421.5113	816.6849	1,238.1962	1.2634	0.0286	1,278.3078



West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.0771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.7916	0.9337	22.8848	0.0584		3.4375	3.4375		3.4375	3.4375	421.5113	810.0000	1,231.5113	1.2570	0.0286	1,271.4626
Landscaping	0.1116	0.0428	3.7110	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6849	6.6849	6.4100e-003		6.8452
<b>Total</b>	<b>12.8713</b>	<b>0.9764</b>	<b>26.5958</b>	<b>0.0586</b>		<b>3.4580</b>	<b>3.4580</b>		<b>3.4580</b>	<b>3.4580</b>	<b>421.5113</b>	<b>816.6849</b>	<b>1,238.1962</b>	<b>1.2634</b>	<b>0.0286</b>	<b>1,278.3078</b>

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0771					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.8910					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	11.7916	0.9337	22.8848	0.0584		3.4375	3.4375		3.4375	3.4375	421.5113	810.0000	1,231.5113	1.2570	0.0286	1,271.4626
Landscaping	0.1116	0.0428	3.7110	2.0000e-004		0.0206	0.0206		0.0206	0.0206		6.6849	6.6849	6.4100e-003		6.8452
<b>Total</b>	<b>12.8713</b>	<b>0.9764</b>	<b>26.5958</b>	<b>0.0586</b>		<b>3.4580</b>	<b>3.4580</b>		<b>3.4580</b>	<b>3.4580</b>	<b>421.5113</b>	<b>816.6849</b>	<b>1,238.1962</b>	<b>1.2634</b>	<b>0.0286</b>	<b>1,278.3078</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Retirement Community - Construction - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Single Family Residences - Operation**

South Coast AQMD Air District, Winter

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Single Family Housing	160.00	Dwelling Unit	51.95	288,000.00	458

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2022
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Trips and VMT - Soil import/exportOperation only.

Demolition - Operation only.

Grading - Operation only.

Construction Off-road Equipment Mitigation -

Construction Phase - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.



West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	HaulingTripNumber	136.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	58.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	12.00	0.00

**2.0 Emissions Summary**

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West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	48.5210	3.4721	94.5827	0.2083		12.2951	12.2951		12.2951	12.2951	1,498.7069	2,903.7684	4,402.4753	4.4924	0.1017	4,545.0975
Energy	0.1199	1.0247	0.4361	6.5400e-003		0.0829	0.0829		0.0829	0.0829		1,308.1430	1,308.1430	0.0251	0.0240	1,315.9166
Mobile	4.7132	6.3043	48.5879	0.1062	10.9908	0.0929	11.0838	2.9289	0.0868	3.0157		10,882.1384	10,882.1384	0.7119	0.4938	11,047.0968
<b>Total</b>	<b>53.3541</b>	<b>10.8012</b>	<b>143.6066</b>	<b>0.3210</b>	<b>10.9908</b>	<b>12.4709</b>	<b>23.4617</b>	<b>2.9289</b>	<b>12.4648</b>	<b>15.3937</b>	<b>1,498.7069</b>	<b>15,094.0498</b>	<b>16,592.7567</b>	<b>5.2293</b>	<b>0.6195</b>	<b>16,908.1109</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	48.5210	3.4721	94.5827	0.2083		12.2951	12.2951		12.2951	12.2951	1,498.7069	2,903.7684	4,402.4753	4.4924	0.1017	4,545.0975
Energy	0.1199	1.0247	0.4361	6.5400e-003		0.0829	0.0829		0.0829	0.0829		1,308.1430	1,308.1430	0.0251	0.0240	1,315.9166
Mobile	4.7132	6.3043	48.5879	0.1062	10.9908	0.0929	11.0838	2.9289	0.0868	3.0157		10,882.1384	10,882.1384	0.7119	0.4938	11,047.0968
<b>Total</b>	<b>53.3541</b>	<b>10.8012</b>	<b>143.6066</b>	<b>0.3210</b>	<b>10.9908</b>	<b>12.4709</b>	<b>23.4617</b>	<b>2.9289</b>	<b>12.4648</b>	<b>15.3937</b>	<b>1,498.7069</b>	<b>15,094.0498</b>	<b>16,592.7567</b>	<b>5.2293</b>	<b>0.6195</b>	<b>16,908.1109</b>

West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/2/2022	5	0	
2	Site Preparation	Site Preparation	4/9/2022	4/8/2022	5	0	
3	Grading	Grading	6/4/2022	6/3/2022	5	0	
4	Building Construction	Building Construction	11/5/2022	11/4/2022	5	0	
5	Paving	Paving	2/6/2027	2/5/2027	5	0	
6	Architectural Coating	Architectural Coating	5/22/2027	5/21/2027	5	0	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Excavators	3	0.00	158	0.38
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	0.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	0.00	97	0.37

West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

Grading	Excavators	2	0.00	158	0.38
Grading	Graders	1	0.00	187	0.41
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Scrapers	2	0.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Building Construction	Cranes	1	0.00	231	0.29
Building Construction	Forklifts	3	0.00	89	0.20
Building Construction	Generator Sets	1	0.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Building Construction	Welders	1	0.00	46	0.45
Paving	Pavers	2	0.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	2	0.00	80	0.38
Architectural Coating	Air Compressors	1	0.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area



























West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.7132	6.3043	48.5879	0.1062	10.9908	0.0929	11.0838	2.9289	0.0868	3.0157		10,882.13 84	10,882.13 84	0.7119	0.4938	11,047.09 68
Unmitigated	4.7132	6.3043	48.5879	0.1062	10.9908	0.0929	11.0838	2.9289	0.0868	3.0157		10,882.13 84	10,882.13 84	0.7119	0.4938	11,047.09 68

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	1,510.40	1,526.40	1368.00	5,099,562	5,099,562
Total	1,510.40	1,526.40	1,368.00	5,099,562	5,099,562

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Single Family Housing	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864



West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.1199	1.0247	0.4361	6.5400e-003		0.0829	0.0829		0.0829	0.0829		1,308.1430	1,308.1430	0.0251	0.0240	1,315.9166
NaturalGas Unmitigated	0.1199	1.0247	0.4361	6.5400e-003		0.0829	0.0829		0.0829	0.0829		1,308.1430	1,308.1430	0.0251	0.0240	1,315.9166

**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					
Single Family Housing	11119.2	0.1199	1.0247	0.4361	6.5400e-003		0.0829	0.0829		0.0829	0.0829		1,308.1430	1,308.1430	0.0251	0.0240	1,315.9166
<b>Total</b>		<b>0.1199</b>	<b>1.0247</b>	<b>0.4361</b>	<b>6.5400e-003</b>		<b>0.0829</b>	<b>0.0829</b>		<b>0.0829</b>	<b>0.0829</b>		<b>1,308.1430</b>	<b>1,308.1430</b>	<b>0.0251</b>	<b>0.0240</b>	<b>1,315.9166</b>

West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Single Family Housing	11.1192	0.1199	1.0247	0.4361	6.5400e-003		0.0829	0.0829		0.0829	0.0829		1,308.1430	1,308.1430	0.0251	0.0240	1,315.9166
<b>Total</b>		<b>0.1199</b>	<b>1.0247</b>	<b>0.4361</b>	<b>6.5400e-003</b>		<b>0.0829</b>	<b>0.0829</b>		<b>0.0829</b>	<b>0.0829</b>		<b>1,308.1430</b>	<b>1,308.1430</b>	<b>0.0251</b>	<b>0.0240</b>	<b>1,315.9166</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	48.5210	3.4721	94.5827	0.2083		12.2951	12.2951		12.2951	12.2951	1,498.7069	2,903.7684	4,402.4753	4.4924	0.1017	4,545.0975
Unmitigated	48.5210	3.4721	94.5827	0.2083		12.2951	12.2951		12.2951	12.2951	1,498.7069	2,903.7684	4,402.4753	4.4924	0.1017	4,545.0975

West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.4937					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	41.9258	3.3197	81.3683	0.2076		12.2221	12.2221		12.2221	12.2221	1,498.7069	2,880.0000	4,378.7069	4.4694	0.1017	4,520.7558
Landscaping	0.3991	0.1524	13.2144	7.0000e-004		0.0730	0.0730		0.0730	0.0730		23.7684	23.7684	0.0229		24.3416
<b>Total</b>	<b>48.5210</b>	<b>3.4721</b>	<b>94.5827</b>	<b>0.2083</b>		<b>12.2951</b>	<b>12.2951</b>		<b>12.2951</b>	<b>12.2951</b>	<b>1,498.7069</b>	<b>2,903.7684</b>	<b>4,402.4753</b>	<b>4.4924</b>	<b>0.1017</b>	<b>4,545.0975</b>

West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.4937					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	5.7024					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	41.9258	3.3197	81.3683	0.2076		12.2221	12.2221		12.2221	12.2221	1,498.7069	2,880.0000	4,378.7069	4.4694	0.1017	4,520.7558
Landscaping	0.3991	0.1524	13.2144	7.0000e-004		0.0730	0.0730		0.0730	0.0730		23.7684	23.7684	0.0229		24.3416
<b>Total</b>	<b>48.5210</b>	<b>3.4721</b>	<b>94.5827</b>	<b>0.2083</b>		<b>12.2951</b>	<b>12.2951</b>		<b>12.2951</b>	<b>12.2951</b>	<b>1,498.7069</b>	<b>2,903.7684</b>	<b>4,402.4753</b>	<b>4.4924</b>	<b>0.1017</b>	<b>4,545.0975</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Single Family Residences - Operation - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	126.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	0.00

**2.0 Emissions Summary**

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West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Energy	0.0707	0.6044	0.2572	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.6172	771.6172	0.0148	0.0142	776.2025
Mobile	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105
<b>Total</b>	<b>54.5271</b>	<b>10.2856</b>	<b>149.0513</b>	<b>0.3308</b>	<b>10.2571</b>	<b>13.5834</b>	<b>23.8405</b>	<b>2.7334</b>	<b>13.5777</b>	<b>16.3111</b>	<b>1,639.2107</b>	<b>14,103.2783</b>	<b>15,742.4890</b>	<b>5.5927</b>	<b>0.5863</b>	<b>16,057.0133</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	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Energy	0.0707	0.6044	0.2572	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.6172	771.6172	0.0148	0.0142	776.2025
Mobile	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105
<b>Total</b>	<b>54.5271</b>	<b>10.2856</b>	<b>149.0513</b>	<b>0.3308</b>	<b>10.2571</b>	<b>13.5834</b>	<b>23.8405</b>	<b>2.7334</b>	<b>13.5777</b>	<b>16.3111</b>	<b>1,639.2107</b>	<b>14,103.2783</b>	<b>15,742.4890</b>	<b>5.5927</b>	<b>0.5863</b>	<b>16,057.0133</b>

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/2/2022	5	0	
2	Site Preparation	Site Preparation	1/29/2022	1/28/2022	5	0	
3	Grading	Grading	2/12/2022	2/11/2022	5	0	
4	Building Construction	Building Construction	3/26/2022	3/25/2022	5	0	
5	Paving	Paving	5/20/2023	5/19/2023	5	0	
6	Architectural Coating	Architectural Coating	6/17/2023	6/16/2023	5	0	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Demolition	Excavators	3	0.00	158	0.38
Grading	Excavators	2	0.00	158	0.38
Site Preparation	Rubber Tired Dozers	3	0.00	247	0.40

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Grading	Graders	1	0.00	187	0.41
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Building Construction	Cranes	1	0.00	231	0.29
Building Construction	Forklifts	3	0.00	89	0.20
Building Construction	Generator Sets	1	0.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Building Construction	Welders	1	0.00	46	0.45
Grading	Scrapers	2	0.00	367	0.48
Paving	Pavers	2	0.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	2	0.00	80	0.38
Architectural Coating	Air Compressors	1	0.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area





























West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105
Unmitigated	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	1,281.00	1,424.50	1099.00	4,358,577	4,358,577
Total	1,281.00	1,424.50	1,099.00	4,358,577	4,358,577

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0707	0.6044	0.2572	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.6172	771.6172	0.0148	0.0142	776.2025
NaturalGas Unmitigated	0.0707	0.6044	0.2572	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.6172	771.6172	0.0148	0.0142	776.2025

**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 Low Rise	6558.75	0.0707	0.6044	0.2572	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.6172	771.6172	0.0148	0.0142	776.2025
<b>Total</b>		<b>0.0707</b>	<b>0.6044</b>	<b>0.2572</b>	<b>3.8600e-003</b>		<b>0.0489</b>	<b>0.0489</b>		<b>0.0489</b>	<b>0.0489</b>		<b>771.6172</b>	<b>771.6172</b>	<b>0.0148</b>	<b>0.0142</b>	<b>776.2025</b>

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	6.55875	0.0707	0.6044	0.2572	3.8600e-003		0.0489	0.0489		0.0489	0.0489		771.6172	771.6172	0.0148	0.0142	776.2025
<b>Total</b>		<b>0.0707</b>	<b>0.6044</b>	<b>0.2572</b>	<b>3.8600e-003</b>		<b>0.0489</b>	<b>0.0489</b>		<b>0.0489</b>	<b>0.0489</b>		<b>771.6172</b>	<b>771.6172</b>	<b>0.0148</b>	<b>0.0142</b>	<b>776.2025</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Unmitigated	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	45.8563	3.6310	88.9966	0.2270		13.3680	13.3680		13.3680	13.3680	1,639.2107	3,150.0000	4,789.2107	4.8884	0.1113	4,944.5767
Landscaping	0.4366	0.1667	14.4533	7.6000e-004		0.0799	0.0799		0.0799	0.0799		25.9967	25.9967	0.0251		26.6237
<b>Total</b>	<b>50.0579</b>	<b>3.7977</b>	<b>103.4498</b>	<b>0.2278</b>		<b>13.4478</b>	<b>13.4478</b>		<b>13.4478</b>	<b>13.4478</b>	<b>1,639.2107</b>	<b>3,175.9967</b>	<b>4,815.2074</b>	<b>4.9135</b>	<b>0.1113</b>	<b>4,971.2004</b>

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	45.8563	3.6310	88.9966	0.2270		13.3680	13.3680		13.3680	13.3680	1,639.2107	3,150.0000	4,789.2107	4.8884	0.1113	4,944.5767
Landscaping	0.4366	0.1667	14.4533	7.6000e-004		0.0799	0.0799		0.0799	0.0799		25.9967	25.9967	0.0251		26.6237
<b>Total</b>	<b>50.0579</b>	<b>3.7977</b>	<b>103.4498</b>	<b>0.2278</b>		<b>13.4478</b>	<b>13.4478</b>		<b>13.4478</b>	<b>13.4478</b>	<b>1,639.2107</b>	<b>3,175.9967</b>	<b>4,815.2074</b>	<b>4.9135</b>	<b>0.1113</b>	<b>4,971.2004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Low Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Mid Rise Apts - Operation**

**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 Mid Rise	180.00	Dwelling Unit	4.74	180,000.00	515

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2022
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MW hr)</b>	471.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

Project Characteristics -

Land Use -

Trips and VMT - Operation only.

Demolition - Operation only.

Grading - Operation only.

Construction Off-road Equipment Mitigation -

Construction Phase - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.



West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

Off-road Equipment - Operation only.

Architectural Coating - Operation only.

Table Name	Column Name	Default Value	New Value
tblArchitecturalCoating	ConstArea_Residential_Exterior	121,500.00	0.00
tblArchitecturalCoating	ConstArea_Residential_Interior	364,500.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	230.00	0.00
tblConstructionPhase	NumDays	20.00	0.00
tblConstructionPhase	NumDays	8.00	0.00
tblConstructionPhase	NumDays	18.00	0.00
tblConstructionPhase	NumDays	5.00	0.00
tblConstructionPhase	PhaseEndDate	2/23/2023	1/30/2023
tblConstructionPhase	PhaseEndDate	1/4/2023	2/16/2022
tblConstructionPhase	PhaseEndDate	1/28/2022	1/2/2022
tblConstructionPhase	PhaseEndDate	2/16/2022	2/4/2022
tblConstructionPhase	PhaseEndDate	1/30/2023	1/4/2023
tblConstructionPhase	PhaseEndDate	2/4/2022	1/28/2022
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	6.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	130.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	26.00	0.00

**2.0 Emissions Summary**

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West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	51.4881	3.9062	106.4056	0.2343		13.8320	13.8320		13.8320	13.8320	1,686.045 3	3,266.739 4	4,952.784 7	5.0539	0.1144	5,113.234 7
Energy	0.0479	0.4095	0.1743	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.7861	522.7861	0.0100	9.5800e-003	525.8928
Mobile	3.0236	4.0443	31.1696	0.0681	7.0507	0.0596	7.1103	1.8790	0.0557	1.9346		6,980.994 5	6,980.994 5	0.4567	0.3168	7,086.816 8
<b>Total</b>	<b>54.5596</b>	<b>8.3600</b>	<b>137.7494</b>	<b>0.3050</b>	<b>7.0507</b>	<b>13.9248</b>	<b>20.9755</b>	<b>1.8790</b>	<b>13.9208</b>	<b>15.7998</b>	<b>1,686.045 3</b>	<b>10,770.52 00</b>	<b>12,456.56 53</b>	<b>5.5206</b>	<b>0.4408</b>	<b>12,725.94 43</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	51.4881	3.9062	106.4056	0.2343		13.8320	13.8320		13.8320	13.8320	1,686.045 3	3,266.739 4	4,952.784 7	5.0539	0.1144	5,113.234 7
Energy	0.0479	0.4095	0.1743	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.7861	522.7861	0.0100	9.5800e-003	525.8928
Mobile	3.0236	4.0443	31.1696	0.0681	7.0507	0.0596	7.1103	1.8790	0.0557	1.9346		6,980.994 5	6,980.994 5	0.4567	0.3168	7,086.816 8
<b>Total</b>	<b>54.5596</b>	<b>8.3600</b>	<b>137.7494</b>	<b>0.3050</b>	<b>7.0507</b>	<b>13.9248</b>	<b>20.9755</b>	<b>1.8790</b>	<b>13.9208</b>	<b>15.7998</b>	<b>1,686.045 3</b>	<b>10,770.52 00</b>	<b>12,456.56 53</b>	<b>5.5206</b>	<b>0.4408</b>	<b>12,725.94 43</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/2/2022	5	0	
2	Site Preparation	Site Preparation	1/29/2022	1/28/2022	5	0	
3	Grading	Grading	2/5/2022	2/4/2022	5	0	
4	Building Construction	Building Construction	2/17/2022	2/16/2022	5	0	
5	Paving	Paving	1/5/2023	1/4/2023	5	0	
6	Architectural Coating	Architectural Coating	1/31/2023	1/30/2023	5	0	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Demolition	Excavators	3	0.00	158	0.38
Grading	Excavators	1	0.00	158	0.38
Site Preparation	Rubber Tired Dozers	3	0.00	247	0.40

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Grading	Graders	1	0.00	187	0.41
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Building Construction	Cranes	1	0.00	231	0.29
Building Construction	Forklifts	3	0.00	89	0.20
Building Construction	Generator Sets	1	0.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Building Construction	Welders	1	0.00	46	0.45
Paving	Cement and Mortar Mixers	2	0.00	9	0.56
Paving	Pavers	1	0.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	2	0.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	0.00	97	0.37
Architectural Coating	Air Compressors	1	0.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area





























West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.0236	4.0443	31.1696	0.0681	7.0507	0.0596	7.1103	1.8790	0.0557	1.9346		6,980.9945	6,980.9945	0.4567	0.3168	7,086.8168
Unmitigated	3.0236	4.0443	31.1696	0.0681	7.0507	0.0596	7.1103	1.8790	0.0557	1.9346		6,980.9945	6,980.9945	0.4567	0.3168	7,086.8168

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	979.20	883.80	736.20	3,180,880	3,180,880
Total	979.20	883.80	736.20	3,180,880	3,180,880

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0479	0.4095	0.1743	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.7861	522.7861	0.0100	9.5800e-003	525.8928
NaturalGas Unmitigated	0.0479	0.4095	0.1743	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.7861	522.7861	0.0100	9.5800e-003	525.8928

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4443.68	0.0479	0.4095	0.1743	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.7861	522.7861	0.0100	9.5800e-003	525.8928
<b>Total</b>		<b>0.0479</b>	<b>0.4095</b>	<b>0.1743</b>	<b>2.6100e-003</b>		<b>0.0331</b>	<b>0.0331</b>		<b>0.0331</b>	<b>0.0331</b>		<b>522.7861</b>	<b>522.7861</b>	<b>0.0100</b>	<b>9.5800e-003</b>	<b>525.8928</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**5.2 Energy by Land Use - NaturalGas**

Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	4.44368	0.0479	0.4095	0.1743	2.6100e-003		0.0331	0.0331		0.0331	0.0331		522.7861	522.7861	0.0100	9.5800e-003	525.8928
<b>Total</b>		<b>0.0479</b>	<b>0.4095</b>	<b>0.1743</b>	<b>2.6100e-003</b>		<b>0.0331</b>	<b>0.0331</b>		<b>0.0331</b>	<b>0.0331</b>		<b>522.7861</b>	<b>522.7861</b>	<b>0.0100</b>	<b>9.5800e-003</b>	<b>525.8928</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	51.4881	3.9062	106.4056	0.2343		13.8320	13.8320		13.8320	13.8320	1,686.0453	3,266.7394	4,952.7847	5.0539	0.1144	5,113.2347
Unmitigated	51.4881	3.9062	106.4056	0.2343		13.8320	13.8320		13.8320	13.8320	1,686.0453	3,266.7394	4,952.7847	5.0539	0.1144	5,113.2347

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.3086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.1665	3.7347	91.5393	0.2335		13.7499	13.7499		13.7499	13.7499	1,686.0453	3,240.0000	4,926.0453	5.0281	0.1144	5,085.8503
Landscaping	0.4490	0.1715	14.8662	7.8000e-004		0.0821	0.0821		0.0821	0.0821		26.7394	26.7394	0.0258		27.3844
<b>Total</b>	<b>51.4881</b>	<b>3.9062</b>	<b>106.4056</b>	<b>0.2343</b>		<b>13.8320</b>	<b>13.8320</b>		<b>13.8320</b>	<b>13.8320</b>	<b>1,686.0453</b>	<b>3,266.7394</b>	<b>4,952.7847</b>	<b>5.0539</b>	<b>0.1144</b>	<b>5,113.2347</b>

West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3086					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.5640					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	47.1665	3.7347	91.5393	0.2335		13.7499	13.7499		13.7499	13.7499	1,686.0453	3,240.0000	4,926.0453	5.0281	0.1144	5,085.8503
Landscaping	0.4490	0.1715	14.8662	7.8000e-004		0.0821	0.0821		0.0821	0.0821		26.7394	26.7394	0.0258		27.3844
<b>Total</b>	<b>51.4881</b>	<b>3.9062</b>	<b>106.4056</b>	<b>0.2343</b>		<b>13.8320</b>	<b>13.8320</b>		<b>13.8320</b>	<b>13.8320</b>	<b>1,686.0453</b>	<b>3,266.7394</b>	<b>4,952.7847</b>	<b>5.0539</b>	<b>0.1144</b>	<b>5,113.2347</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**



West Hollywood Small Housing Projects - Mid Rise Apts - Operation - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Condos - Operation**

**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Condo/Townhouse	175.00	Dwelling Unit	10.94	175,000.00	501

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2022
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MW hr)</b>	471.98	<b>CH4 Intensity (lb/MW hr)</b>	0.033	<b>N2O Intensity (lb/MW hr)</b>	0.004

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

- Project Characteristics -
- Land Use -
- Trips and VMT - Soil import/export
- Demolition -
- Grading -
- Construction Off-road Equipment Mitigation -

Table Name	Column Name	Default Value	New Value
tblTripsAndVMT	HaulingTripNumber	0.00	1,000.00

**2.0 Emissions Summary**

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

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

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	3.8342	44.3257	30.9979	0.0842	19.8582	1.6798	21.4720	10.1558	1.5470	11.6405	0.0000	8,418.889 1	8,418.889 1	2.0683	0.3566	8,576.864 4
2023	55.0269	15.4042	20.5350	0.0420	1.5300	0.7117	2.2417	0.4085	0.6696	1.0781	0.0000	4,117.591 8	4,117.591 8	0.7176	0.0843	4,158.978 8
<b>Maximum</b>	<b>55.0269</b>	<b>44.3257</b>	<b>30.9979</b>	<b>0.0842</b>	<b>19.8582</b>	<b>1.6798</b>	<b>21.4720</b>	<b>10.1558</b>	<b>1.5470</b>	<b>11.6405</b>	<b>0.0000</b>	<b>8,418.889 1</b>	<b>8,418.889 1</b>	<b>2.0683</b>	<b>0.3566</b>	<b>8,576.864 4</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					
2022	3.8342	44.3257	30.9979	0.0842	9.0469	1.6798	10.6606	4.5995	1.5470	6.0841	0.0000	8,418.889 1	8,418.889 1	2.0683	0.3566	8,576.864 4
2023	55.0269	15.4042	20.5350	0.0420	1.5300	0.7117	2.2417	0.4085	0.6696	1.0781	0.0000	4,117.591 8	4,117.591 8	0.7176	0.0843	4,158.978 7
<b>Maximum</b>	<b>55.0269</b>	<b>44.3257</b>	<b>30.9979</b>	<b>0.0842</b>	<b>9.0469</b>	<b>1.6798</b>	<b>10.6606</b>	<b>4.5995</b>	<b>1.5470</b>	<b>6.0841</b>	<b>0.0000</b>	<b>8,418.889 1</b>	<b>8,418.889 1</b>	<b>2.0683</b>	<b>0.3566</b>	<b>8,576.864 4</b>



West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Energy	0.0879	0.7509	0.3195	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.5431	958.5431	0.0184	0.0176	964.2393
Mobile	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105
<b>Total</b>	<b>54.5443</b>	<b>10.4320</b>	<b>149.1136</b>	<b>0.3317</b>	<b>10.2571</b>	<b>13.5953</b>	<b>23.8523</b>	<b>2.7334</b>	<b>13.5895</b>	<b>16.3229</b>	<b>1,639.2107</b>	<b>14,290.2042</b>	<b>15,929.4149</b>	<b>5.5963</b>	<b>0.5897</b>	<b>16,245.0501</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	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Energy	0.0879	0.7509	0.3195	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.5431	958.5431	0.0184	0.0176	964.2393
Mobile	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105
<b>Total</b>	<b>54.5443</b>	<b>10.4320</b>	<b>149.1136</b>	<b>0.3317</b>	<b>10.2571</b>	<b>13.5953</b>	<b>23.8523</b>	<b>2.7334</b>	<b>13.5895</b>	<b>16.3229</b>	<b>1,639.2107</b>	<b>14,290.2042</b>	<b>15,929.4149</b>	<b>5.5963</b>	<b>0.5897</b>	<b>16,245.0501</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/28/2022	5	20	
2	Site Preparation	Site Preparation	1/29/2022	2/11/2022	5	10	
3	Grading	Grading	2/12/2022	3/25/2022	5	30	
4	Building Construction	Building Construction	3/26/2022	5/19/2023	5	300	
5	Paving	Paving	5/20/2023	6/16/2023	5	20	
6	Architectural Coating	Architectural Coating	6/17/2023	7/14/2023	5	20	

**Acres of Grading (Site Preparation Phase): 15**

**Acres of Grading (Grading Phase): 90**

**Acres of Paving: 0**

**Residential Indoor: 354,375; Residential Outdoor: 118,125; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Excavators	3	8.00	158	0.38
Grading	Excavators	2	8.00	158	0.38
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Grading	Scrapers	2	8.00	367	0.48
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	136.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	20.00	0.00	1,000.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	126.00	19.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	25.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.4765	0.0000	1.4765	0.2236	0.0000	0.2236			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553		3,746.7812	3,746.7812	1.0524		3,773.0920
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>1.4765</b>	<b>1.2427</b>	<b>2.7192</b>	<b>0.2236</b>	<b>1.1553</b>	<b>1.3788</b>		<b>3,746.7812</b>	<b>3,746.7812</b>	<b>1.0524</b>		<b>3,773.0920</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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0823</b>	<b>1.1473</b>	<b>0.7759</b>	<b>5.5500e-003</b>	<b>0.2866</b>	<b>9.8900e-003</b>	<b>0.2965</b>	<b>0.0771</b>	<b>9.4200e-003</b>	<b>0.0865</b>		<b>596.9738</b>	<b>596.9738</b>	<b>0.0283</b>	<b>0.0756</b>	<b>620.2038</b>



West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.2 Demolition - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.6644	0.0000	0.6644	0.1006	0.0000	0.1006			0.0000			0.0000
Off-Road	2.6392	25.7194	20.5941	0.0388		1.2427	1.2427		1.1553	1.1553	0.0000	3,746.781 2	3,746.781 2	1.0524		3,773.092 0
<b>Total</b>	<b>2.6392</b>	<b>25.7194</b>	<b>20.5941</b>	<b>0.0388</b>	<b>0.6644</b>	<b>1.2427</b>	<b>1.9071</b>	<b>0.1006</b>	<b>1.1553</b>	<b>1.2559</b>	<b>0.0000</b>	<b>3,746.781 2</b>	<b>3,746.781 2</b>	<b>1.0524</b>		<b>3,773.092 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	0.0279	1.1076	0.2583	4.1200e-003	0.1189	8.8900e-003	0.1278	0.0326	8.5000e-003	0.0411		451.5780	451.5780	0.0242	0.0717	473.5462
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0544	0.0398	0.5176	1.4300e-003	0.1677	1.0000e-003	0.1687	0.0445	9.2000e-004	0.0454		145.3958	145.3958	4.0600e-003	3.8900e-003	146.6576
<b>Total</b>	<b>0.0823</b>	<b>1.1473</b>	<b>0.7759</b>	<b>5.5500e-003</b>	<b>0.2866</b>	<b>9.8900e-003</b>	<b>0.2965</b>	<b>0.0771</b>	<b>9.4200e-003</b>	<b>0.0865</b>		<b>596.9738</b>	<b>596.9738</b>	<b>0.0283</b>	<b>0.0756</b>	<b>620.2038</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					19.6570	0.0000	19.6570	10.1025	0.0000	10.1025			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>19.6570</b>	<b>1.6126</b>	<b>21.2696</b>	<b>10.1025</b>	<b>1.4836</b>	<b>11.5860</b>		<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0652	0.0477	0.6211	1.7200e-003	0.2012	1.2000e-003	0.2024	0.0534	1.1100e-003	0.0545		174.4750	174.4750	4.8700e-003	4.6700e-003	175.9891
<b>Total</b>	<b>0.0652</b>	<b>0.0477</b>	<b>0.6211</b>	<b>1.7200e-003</b>	<b>0.2012</b>	<b>1.2000e-003</b>	<b>0.2024</b>	<b>0.0534</b>	<b>1.1100e-003</b>	<b>0.0545</b>		<b>174.4750</b>	<b>174.4750</b>	<b>4.8700e-003</b>	<b>4.6700e-003</b>	<b>175.9891</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.3 Site Preparation - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.8457	0.0000	8.8457	4.5461	0.0000	4.5461			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.0619	3,686.0619	1.1922		3,715.8655
<b>Total</b>	<b>3.1701</b>	<b>33.0835</b>	<b>19.6978</b>	<b>0.0380</b>	<b>8.8457</b>	<b>1.6126</b>	<b>10.4582</b>	<b>4.5461</b>	<b>1.4836</b>	<b>6.0297</b>	<b>0.0000</b>	<b>3,686.0619</b>	<b>3,686.0619</b>	<b>1.1922</b>		<b>3,715.8655</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	0.0652	0.0477	0.6211	1.7200e-003	0.2012	1.2000e-003	0.2024	0.0534	1.1100e-003	0.0545		174.4750	174.4750	4.8700e-003	4.6700e-003	175.9891
<b>Total</b>	<b>0.0652</b>	<b>0.0477</b>	<b>0.6211</b>	<b>1.7200e-003</b>	<b>0.2012</b>	<b>1.2000e-003</b>	<b>0.2024</b>	<b>0.0534</b>	<b>1.1100e-003</b>	<b>0.0545</b>		<b>174.4750</b>	<b>174.4750</b>	<b>4.8700e-003</b>	<b>4.6700e-003</b>	<b>175.9891</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					9.2036	0.0000	9.2036	3.6538	0.0000	3.6538			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041		6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>9.2036</b>	<b>1.6349</b>	<b>10.8385</b>	<b>3.6538</b>	<b>1.5041</b>	<b>5.1579</b>		<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</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	0.1370	5.4292	1.2663	0.0202	0.5831	0.0436	0.6266	0.1598	0.0417	0.2015		2,213.6175	2,213.6175	0.1187	0.3514	2,321.3051
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0725	0.0530	0.6901	1.9100e-003	0.2236	1.3400e-003	0.2249	0.0593	1.2300e-003	0.0605		193.8611	193.8611	5.4100e-003	5.1900e-003	195.5435
<b>Total</b>	<b>0.2094</b>	<b>5.4822</b>	<b>1.9564</b>	<b>0.0221</b>	<b>0.8066</b>	<b>0.0449</b>	<b>0.8515</b>	<b>0.2191</b>	<b>0.0429</b>	<b>0.2620</b>		<b>2,407.4786</b>	<b>2,407.4786</b>	<b>0.1241</b>	<b>0.3566</b>	<b>2,516.8485</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.4 Grading - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.1416	0.0000	4.1416	1.6442	0.0000	1.6442			0.0000			0.0000
Off-Road	3.6248	38.8435	29.0415	0.0621		1.6349	1.6349		1.5041	1.5041	0.0000	6,011.4105	6,011.4105	1.9442		6,060.0158
<b>Total</b>	<b>3.6248</b>	<b>38.8435</b>	<b>29.0415</b>	<b>0.0621</b>	<b>4.1416</b>	<b>1.6349</b>	<b>5.7765</b>	<b>1.6442</b>	<b>1.5041</b>	<b>3.1483</b>	<b>0.0000</b>	<b>6,011.4105</b>	<b>6,011.4105</b>	<b>1.9442</b>		<b>6,060.0158</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	0.1370	5.4292	1.2663	0.0202	0.5831	0.0436	0.6266	0.1598	0.0417	0.2015		2,213.6175	2,213.6175	0.1187	0.3514	2,321.3051
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0725	0.0530	0.6901	1.9100e-003	0.2236	1.3400e-003	0.2249	0.0593	1.2300e-003	0.0605		193.8611	193.8611	5.4100e-003	5.1900e-003	195.5435
<b>Total</b>	<b>0.2094</b>	<b>5.4822</b>	<b>1.9564</b>	<b>0.0221</b>	<b>0.8066</b>	<b>0.0449</b>	<b>0.8515</b>	<b>0.2191</b>	<b>0.0429</b>	<b>0.2620</b>		<b>2,407.4786</b>	<b>2,407.4786</b>	<b>0.1241</b>	<b>0.3566</b>	<b>2,516.8485</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>		<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.0340	0.9227	0.3140	3.6400e-003	0.1217	9.2800e-003	0.1309	0.0350	8.8700e-003	0.0439		390.9674	390.9674	0.0131	0.0567	408.1984
Worker	0.4565	0.3340	4.3477	0.0120	1.4084	8.4200e-003	1.4168	0.3735	7.7500e-003	0.3813		1,221.3248	1,221.3248	0.0341	0.0327	1,231.9238
<b>Total</b>	<b>0.4906</b>	<b>1.2567</b>	<b>4.6617</b>	<b>0.0157</b>	<b>1.5300</b>	<b>0.0177</b>	<b>1.5477</b>	<b>0.4085</b>	<b>0.0166</b>	<b>0.4252</b>		<b>1,612.2922</b>	<b>1,612.2922</b>	<b>0.0471</b>	<b>0.0894</b>	<b>1,640.1222</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2022**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.3336	2,554.3336	0.6120		2,569.6322
<b>Total</b>	<b>1.7062</b>	<b>15.6156</b>	<b>16.3634</b>	<b>0.0269</b>		<b>0.8090</b>	<b>0.8090</b>		<b>0.7612</b>	<b>0.7612</b>	<b>0.0000</b>	<b>2,554.3336</b>	<b>2,554.3336</b>	<b>0.6120</b>		<b>2,569.6322</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	0.0340	0.9227	0.3140	3.6400e-003	0.1217	9.2800e-003	0.1309	0.0350	8.8700e-003	0.0439		390.9674	390.9674	0.0131	0.0567	408.1984
Worker	0.4565	0.3340	4.3477	0.0120	1.4084	8.4200e-003	1.4168	0.3735	7.7500e-003	0.3813		1,221.3248	1,221.3248	0.0341	0.0327	1,231.9238
<b>Total</b>	<b>0.4906</b>	<b>1.2567</b>	<b>4.6617</b>	<b>0.0157</b>	<b>1.5300</b>	<b>0.0177</b>	<b>1.5477</b>	<b>0.4085</b>	<b>0.0166</b>	<b>0.4252</b>		<b>1,612.2922</b>	<b>1,612.2922</b>	<b>0.0471</b>	<b>0.0894</b>	<b>1,640.1222</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584		2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>		<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0201	0.7239	0.2803	3.4600e-003	0.1217	4.0400e-003	0.1257	0.0350	3.8600e-003	0.0389		373.1322	373.1322	0.0125	0.0541	389.5550
Worker	0.4249	0.2954	4.0107	0.0116	1.4084	7.9300e-003	1.4163	0.3735	7.3000e-003	0.3808		1,189.2497	1,189.2497	0.0306	0.0302	1,199.0177
<b>Total</b>	<b>0.4450</b>	<b>1.0193</b>	<b>4.2910</b>	<b>0.0151</b>	<b>1.5300</b>	<b>0.0120</b>	<b>1.5420</b>	<b>0.4085</b>	<b>0.0112</b>	<b>0.4197</b>		<b>1,562.3819</b>	<b>1,562.3819</b>	<b>0.0431</b>	<b>0.0843</b>	<b>1,588.5727</b>



West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.5 Building Construction - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5728	14.3849	16.2440	0.0269		0.6997	0.6997		0.6584	0.6584	0.0000	2,555.2099	2,555.2099	0.6079		2,570.4061
<b>Total</b>	<b>1.5728</b>	<b>14.3849</b>	<b>16.2440</b>	<b>0.0269</b>		<b>0.6997</b>	<b>0.6997</b>		<b>0.6584</b>	<b>0.6584</b>	<b>0.0000</b>	<b>2,555.2099</b>	<b>2,555.2099</b>	<b>0.6079</b>		<b>2,570.4061</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	0.0201	0.7239	0.2803	3.4600e-003	0.1217	4.0400e-003	0.1257	0.0350	3.8600e-003	0.0389		373.1322	373.1322	0.0125	0.0541	389.5550
Worker	0.4249	0.2954	4.0107	0.0116	1.4084	7.9300e-003	1.4163	0.3735	7.3000e-003	0.3808		1,189.2497	1,189.2497	0.0306	0.0302	1,199.0177
<b>Total</b>	<b>0.4450</b>	<b>1.0193</b>	<b>4.2910</b>	<b>0.0151</b>	<b>1.5300</b>	<b>0.0120</b>	<b>1.5420</b>	<b>0.4085</b>	<b>0.0112</b>	<b>0.4197</b>		<b>1,562.3819</b>	<b>1,562.3819</b>	<b>0.0431</b>	<b>0.0843</b>	<b>1,588.5727</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694		2,207.5841	2,207.5841	0.7140		2,225.4336
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0327</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>		<b>2,207.5841</b>	<b>2,207.5841</b>	<b>0.7140</b>		<b>2,225.4336</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	0.0506	0.0352	0.4775	1.3800e-003	0.1677	9.4000e-004	0.1686	0.0445	8.7000e-004	0.0453		141.5774	141.5774	3.6500e-003	3.6000e-003	142.7402
<b>Total</b>	<b>0.0506</b>	<b>0.0352</b>	<b>0.4775</b>	<b>1.3800e-003</b>	<b>0.1677</b>	<b>9.4000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.7000e-004</b>	<b>0.0453</b>		<b>141.5774</b>	<b>141.5774</b>	<b>3.6500e-003</b>	<b>3.6000e-003</b>	<b>142.7402</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.6 Paving - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.0327	10.1917	14.5842	0.0228		0.5102	0.5102		0.4694	0.4694	0.0000	2,207.584 1	2,207.584 1	0.7140		2,225.433 6
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>1.0327</b>	<b>10.1917</b>	<b>14.5842</b>	<b>0.0228</b>		<b>0.5102</b>	<b>0.5102</b>		<b>0.4694</b>	<b>0.4694</b>	<b>0.0000</b>	<b>2,207.584 1</b>	<b>2,207.584 1</b>	<b>0.7140</b>		<b>2,225.433 6</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	0.0506	0.0352	0.4775	1.3800e-003	0.1677	9.4000e-004	0.1686	0.0445	8.7000e-004	0.0453		141.5774	141.5774	3.6500e-003	3.6000e-003	142.7402
<b>Total</b>	<b>0.0506</b>	<b>0.0352</b>	<b>0.4775</b>	<b>1.3800e-003</b>	<b>0.1677</b>	<b>9.4000e-004</b>	<b>0.1686</b>	<b>0.0445</b>	<b>8.7000e-004</b>	<b>0.0453</b>		<b>141.5774</b>	<b>141.5774</b>	<b>3.6500e-003</b>	<b>3.6000e-003</b>	<b>142.7402</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.7509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708		281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>54.9426</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0843	0.0586	0.7958	2.3100e-003	0.2794	1.5700e-003	0.2810	0.0741	1.4500e-003	0.0756		235.9622	235.9622	6.0800e-003	5.9900e-003	237.9003
<b>Total</b>	<b>0.0843</b>	<b>0.0586</b>	<b>0.7958</b>	<b>2.3100e-003</b>	<b>0.2794</b>	<b>1.5700e-003</b>	<b>0.2810</b>	<b>0.0741</b>	<b>1.4500e-003</b>	<b>0.0756</b>		<b>235.9622</b>	<b>235.9622</b>	<b>6.0800e-003</b>	<b>5.9900e-003</b>	<b>237.9003</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**3.7 Architectural Coating - 2023**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.7509					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1917	1.3030	1.8111	2.9700e-003		0.0708	0.0708		0.0708	0.0708	0.0000	281.4481	281.4481	0.0168		281.8690
<b>Total</b>	<b>54.9426</b>	<b>1.3030</b>	<b>1.8111</b>	<b>2.9700e-003</b>		<b>0.0708</b>	<b>0.0708</b>		<b>0.0708</b>	<b>0.0708</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0168</b>		<b>281.8690</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	0.0843	0.0586	0.7958	2.3100e-003	0.2794	1.5700e-003	0.2810	0.0741	1.4500e-003	0.0756		235.9622	235.9622	6.0800e-003	5.9900e-003	237.9003
<b>Total</b>	<b>0.0843</b>	<b>0.0586</b>	<b>0.7958</b>	<b>2.3100e-003</b>	<b>0.2794</b>	<b>1.5700e-003</b>	<b>0.2810</b>	<b>0.0741</b>	<b>1.4500e-003</b>	<b>0.0756</b>		<b>235.9622</b>	<b>235.9622</b>	<b>6.0800e-003</b>	<b>5.9900e-003</b>	<b>237.9003</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105
Unmitigated	4.3985	5.8835	45.3442	0.0991	10.2571	0.0867	10.3438	2.7334	0.0810	2.8144		10,155.6644	10,155.6644	0.6644	0.4609	10,309.6105

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Condo/Townhouse	1,281.00	1,424.50	1,099.00	4,358,577	4,358,577
Total	1,281.00	1,424.50	1,099.00	4,358,577	4,358,577

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Condo/Townhouse	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Condo/Townhouse	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0879	0.7509	0.3195	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.5431	958.5431	0.0184	0.0176	964.2393
NaturalGas Unmitigated	0.0879	0.7509	0.3195	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.5431	958.5431	0.0184	0.0176	964.2393

**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					
Condo/Townhouse	8147.62	0.0879	0.7509	0.3195	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.5431	958.5431	0.0184	0.0176	964.2393
<b>Total</b>		<b>0.0879</b>	<b>0.7509</b>	<b>0.3195</b>	<b>4.7900e-003</b>		<b>0.0607</b>	<b>0.0607</b>		<b>0.0607</b>	<b>0.0607</b>		<b>958.5431</b>	<b>958.5431</b>	<b>0.0184</b>	<b>0.0176</b>	<b>964.2393</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Condo/Townhouse	8.14762	0.0879	0.7509	0.3195	4.7900e-003		0.0607	0.0607		0.0607	0.0607		958.5431	958.5431	0.0184	0.0176	964.2393
<b>Total</b>		<b>0.0879</b>	<b>0.7509</b>	<b>0.3195</b>	<b>4.7900e-003</b>		<b>0.0607</b>	<b>0.0607</b>		<b>0.0607</b>	<b>0.0607</b>		<b>958.5431</b>	<b>958.5431</b>	<b>0.0184</b>	<b>0.0176</b>	<b>964.2393</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Unmitigated	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004



West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

**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	0.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	45.8563	3.6310	88.9966	0.2270		13.3680	13.3680		13.3680	13.3680	1,639.2107	3,150.0000	4,789.2107	4.8884	0.1113	4,944.5767
Landscaping	0.4366	0.1667	14.4533	7.6000e-004		0.0799	0.0799		0.0799	0.0799		25.9967	25.9967	0.0251		26.6237
<b>Total</b>	<b>50.0579</b>	<b>3.7977</b>	<b>103.4498</b>	<b>0.2278</b>		<b>13.4478</b>	<b>13.4478</b>		<b>13.4478</b>	<b>13.4478</b>	<b>1,639.2107</b>	<b>3,175.9967</b>	<b>4,815.2074</b>	<b>4.9135</b>	<b>0.1113</b>	<b>4,971.2004</b>

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	45.8563	3.6310	88.9966	0.2270		13.3680	13.3680		13.3680	13.3680	1,639.2107	3,150.0000	4,789.2107	4.8884	0.1113	4,944.5767
Landscaping	0.4366	0.1667	14.4533	7.6000e-004		0.0799	0.0799		0.0799	0.0799		25.9967	25.9967	0.0251		26.6237
<b>Total</b>	<b>50.0579</b>	<b>3.7977</b>	<b>103.4498</b>	<b>0.2278</b>		<b>13.4478</b>	<b>13.4478</b>		<b>13.4478</b>	<b>13.4478</b>	<b>1,639.2107</b>	<b>3,175.9967</b>	<b>4,815.2074</b>	<b>4.9135</b>	<b>0.1113</b>	<b>4,971.2004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Condos - Operation - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

**West Hollywood Small Housing Projects - Retirement Community - Operation**

South Coast AQMD Air District, Winter

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Congregate Care (Assisted Living)	175.00	Dwelling Unit	10.94	175,000.00	501

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	11			<b>Operational Year</b>	2022
<b>Utility Company</b>	Clean Power Alliance				
<b>CO2 Intensity (lb/MWhr)</b>	471.98	<b>CH4 Intensity (lb/MWhr)</b>	0.033	<b>N2O Intensity (lb/MWhr)</b>	0.004

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

Project Characteristics -

Land Use -

Trips and VMT - Operation only.

Demolition - Operation only.

Grading - Operation only.

Construction Off-road Equipment Mitigation -

Construction Phase - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.

Off-road Equipment - Operation only.



West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	7.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblOffRoadEquipment	UsageHours	8.00	0.00
tblTripsAndVMT	VendorTripNumber	19.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	18.00	0.00
tblTripsAndVMT	WorkerTripNumber	20.00	0.00
tblTripsAndVMT	WorkerTripNumber	126.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	0.00
tblTripsAndVMT	WorkerTripNumber	25.00	0.00

**2.0 Emissions Summary**

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West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Energy	0.0466	0.3981	0.1694	2.5400e-003		0.0322	0.0322		0.0322	0.0322		508.2643	508.2643	9.7400e-003	9.3200e-003	511.2847
Mobile	1.7021	2.2768	17.5472	0.0384	3.9693	0.0336	4.0028	1.0578	0.0313	1.0891		3,930.0176	3,930.0176	0.2571	0.1783	3,989.5913
<b>Total</b>	<b>51.8066</b>	<b>6.4726</b>	<b>121.1665</b>	<b>0.2687</b>	<b>3.9693</b>	<b>13.5136</b>	<b>17.4828</b>	<b>1.0578</b>	<b>13.5113</b>	<b>14.5691</b>	<b>1,639.2107</b>	<b>7,614.2785</b>	<b>9,253.4893</b>	<b>5.1804</b>	<b>0.2989</b>	<b>9,472.0763</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	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Energy	0.0466	0.3981	0.1694	2.5400e-003		0.0322	0.0322		0.0322	0.0322		508.2643	508.2643	9.7400e-003	9.3200e-003	511.2847
Mobile	1.7021	2.2768	17.5472	0.0384	3.9693	0.0336	4.0028	1.0578	0.0313	1.0891		3,930.0176	3,930.0176	0.2571	0.1783	3,989.5913
<b>Total</b>	<b>51.8066</b>	<b>6.4726</b>	<b>121.1665</b>	<b>0.2687</b>	<b>3.9693</b>	<b>13.5136</b>	<b>17.4828</b>	<b>1.0578</b>	<b>13.5113</b>	<b>14.5691</b>	<b>1,639.2107</b>	<b>7,614.2785</b>	<b>9,253.4893</b>	<b>5.1804</b>	<b>0.2989</b>	<b>9,472.0763</b>

West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

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

**3.0 Construction Detail**

**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/3/2022	1/2/2022	5	0	
2	Site Preparation	Site Preparation	1/29/2022	1/28/2022	5	0	
3	Grading	Grading	2/12/2022	2/11/2022	5	0	
4	Building Construction	Building Construction	3/26/2022	3/25/2022	5	0	
5	Paving	Paving	5/20/2023	5/19/2023	5	0	
6	Architectural Coating	Architectural Coating	6/17/2023	6/16/2023	5	0	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 0**

**Acres of Paving: 0**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	0.00	81	0.73
Demolition	Rubber Tired Dozers	2	0.00	247	0.40
Demolition	Excavators	3	0.00	158	0.38
Grading	Excavators	2	0.00	158	0.38
Site Preparation	Rubber Tired Dozers	3	0.00	247	0.40

West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

Site Preparation	Tractors/Loaders/Backhoes	4	0.00	97	0.37
Grading	Graders	1	0.00	187	0.41
Grading	Rubber Tired Dozers	1	0.00	247	0.40
Grading	Tractors/Loaders/Backhoes	2	0.00	97	0.37
Building Construction	Cranes	1	0.00	231	0.29
Building Construction	Forklifts	3	0.00	89	0.20
Building Construction	Generator Sets	1	0.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	0.00	97	0.37
Building Construction	Welders	1	0.00	46	0.45
Grading	Scrapers	2	0.00	367	0.48
Paving	Pavers	2	0.00	130	0.42
Paving	Paving Equipment	2	0.00	132	0.36
Paving	Rollers	2	0.00	80	0.38
Architectural Coating	Air Compressors	1	0.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area



























West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	1.7021	2.2768	17.5472	0.0384	3.9693	0.0336	4.0028	1.0578	0.0313	1.0891		3,930.0176	3,930.0176	0.2571	0.1783	3,989.5913
Unmitigated	1.7021	2.2768	17.5472	0.0384	3.9693	0.0336	4.0028	1.0578	0.0313	1.0891		3,930.0176	3,930.0176	0.2571	0.1783	3,989.5913

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Congregate Care (Assisted Living)	455.00	512.75	551.25	1,629,981	1,629,981
Total	455.00	512.75	551.25	1,629,981	1,629,981

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Congregate Care (Assisted Living)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Congregate Care (Assisted Living)	0.543376	0.059966	0.184357	0.131187	0.023843	0.006245	0.012012	0.009162	0.000826	0.000515	0.023898	0.000748	0.003864



West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0466	0.3981	0.1694	2.5400e-003		0.0322	0.0322		0.0322	0.0322		508.2643	508.2643	9.7400e-003	9.3200e-003	511.2847
NaturalGas Unmitigated	0.0466	0.3981	0.1694	2.5400e-003		0.0322	0.0322		0.0322	0.0322		508.2643	508.2643	9.7400e-003	9.3200e-003	511.2847

**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					
Congregate Care (Assisted Living)	4320.25	0.0466	0.3981	0.1694	2.5400e-003		0.0322	0.0322		0.0322	0.0322		508.2643	508.2643	9.7400e-003	9.3200e-003	511.2847
<b>Total</b>		<b>0.0466</b>	<b>0.3981</b>	<b>0.1694</b>	<b>2.5400e-003</b>		<b>0.0322</b>	<b>0.0322</b>		<b>0.0322</b>	<b>0.0322</b>		<b>508.2643</b>	<b>508.2643</b>	<b>9.7400e-003</b>	<b>9.3200e-003</b>	<b>511.2847</b>

West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

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

Mitigated

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Congregate Care (Assisted Living)	4.32025	0.0466	0.3981	0.1694	2.5400e-003		0.0322	0.0322		0.0322	0.0322		508.2643	508.2643	9.7400e-003	9.3200e-003	511.2847
<b>Total</b>		<b>0.0466</b>	<b>0.3981</b>	<b>0.1694</b>	<b>2.5400e-003</b>		<b>0.0322</b>	<b>0.0322</b>		<b>0.0322</b>	<b>0.0322</b>		<b>508.2643</b>	<b>508.2643</b>	<b>9.7400e-003</b>	<b>9.3200e-003</b>	<b>511.2847</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004
Unmitigated	50.0579	3.7976	103.4498	0.2278		13.4478	13.4478		13.4478	13.4478	1,639.2107	3,175.9967	4,815.2074	4.9135	0.1113	4,971.2004

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

**6.2 Area by SubCategory**

**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	0.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	45.8563	3.6310	88.9966	0.2270		13.3680	13.3680		13.3680	13.3680	1,639.2107	3,150.0000	4,789.2107	4.8884	0.1113	4,944.5767
Landscaping	0.4366	0.1667	14.4533	7.6000e-004		0.0799	0.0799		0.0799	0.0799		25.9967	25.9967	0.0251		26.6237
<b>Total</b>	<b>50.0579</b>	<b>3.7977</b>	<b>103.4498</b>	<b>0.2278</b>		<b>13.4478</b>	<b>13.4478</b>		<b>13.4478</b>	<b>13.4478</b>	<b>1,639.2107</b>	<b>3,175.9967</b>	<b>4,815.2074</b>	<b>4.9135</b>	<b>0.1113</b>	<b>4,971.2004</b>

West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.3000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	3.4650					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	45.8563	3.6310	88.9966	0.2270		13.3680	13.3680		13.3680	13.3680	1,639.2107	3,150.0000	4,789.2107	4.8884	0.1113	4,944.5767
Landscaping	0.4366	0.1667	14.4533	7.6000e-004		0.0799	0.0799		0.0799	0.0799		25.9967	25.9967	0.0251		26.6237
<b>Total</b>	<b>50.0579</b>	<b>3.7977</b>	<b>103.4498</b>	<b>0.2278</b>		<b>13.4478</b>	<b>13.4478</b>		<b>13.4478</b>	<b>13.4478</b>	<b>1,639.2107</b>	<b>3,175.9967</b>	<b>4,815.2074</b>	<b>4.9135</b>	<b>0.1113</b>	<b>4,971.2004</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

West Hollywood Small Housing Projects - Retirement Community - Operation - South Coast AQMD Air District, Winter

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

**8.0 Waste Detail**

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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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