

**APPENDIX FEIR-1**  
**ORIGINAL COMMENT LETTERS**

**From:** Prijatel, Jean <PRIJATEL.JEAN@EPA.GOV>  
**Sent:** Monday, September 09, 2019 11:02 AM  
**To:** Margaret Partridge <mpartridge@ultrasystems.com>  
**Subject:** RE: Rose Hill Courts Notice of Availability

Hello Margaret,

Can you please confirm that the DEIS will be submitted to EPA via its Central Data Exchange system? I just checked and saw that it had not yet been uploaded.

Thank you,  
Jean

---

Jean Prijatel  
415-947-4167



**Jared Blumenfeld**  
Secretary for  
Environmental Protection



## Department of Toxic Substances Control

Meredith Williams, Ph.D.  
Acting Director  
9211 Oakdale Avenue  
Chatsworth, California 91311



**Gavin Newsom**  
Governor

September 25, 2019

Dhiraj Narayan  
Housing Authority of the City of Los Angeles  
2600 Wilshire Boulevard, 3<sup>rd</sup> floor  
Los Angeles, California 90057

### NOTICE OF AVAILABILITY OF THE DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE ROSE HILLS COURTS REDEVELOPMENT PROJECT

Dear Mr. Narayan:

The Department of Toxic Substances Control (DTSC) has received the document for the above-mentioned project.

Based on the review of the document, the DTSC comments are as follows:

- 1) The document needs to identify and determine whether current or historic uses at the project site have resulted in any release of hazardous wastes/substances at the project area.
- 2) The document needs to identify any known or potentially contaminated site within the proposed project area. For all identified sites, the document needs to evaluate whether conditions at the site pose a threat to human health or the environment.
- 3) The document should identify the mechanism to initiate any required investigation and/or remediation for any site that may require remediation, and which government agency will provide appropriate regulatory oversight.
- 4) If during construction of the project, soil contamination is suspected, construction in the area should stop and appropriate health and safety procedures should be implemented. If it is determined that contaminated soil exists, the document should identify how any required investigation or remediation will be conducted, and which government agency will provide appropriate regulatory oversight.

Mr. Dhiraj Narayan  
September 25, 2019  
Page 2

DTSC provides guidance for Preliminary Endangerment Assessment (PEA) preparation, and cleanup oversight through the Standard Voluntary Agreement (SVA). For additional information on the SVA, please visit DTSC's web site at [www.dtsc.ca.gov](http://www.dtsc.ca.gov). If you would like to meet and discuss this matter further, please contact me at (818) 717-6545 or e-mail at [Fatima.carrera@dtsc.ca.gov](mailto:Fatima.carrera@dtsc.ca.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Fatima Carrera", written over a circular scribble.

Fatima Carrera  
Site Mitigation and Restoration Program - Chatsworth Office

cc: Governor's Office of Planning and Research  
State Clearinghouse  
P.O. Box 3044  
Sacramento, California 95812-3044

Dave Kereazis  
Hazardous Waste Management Program, Permitting Division  
CEQA Tracking  
Department of Toxic Substances Control  
P.O. Box 806  
Sacramento, California 95812-0806

STATE OF CALIFORNIA  
CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY  
DEPARTMENT OF TOXIC SUBSTANCES CONTROL  
9211 OAKDALE AVENUE  
CHATSWORTH, CALIFORNIA 91311



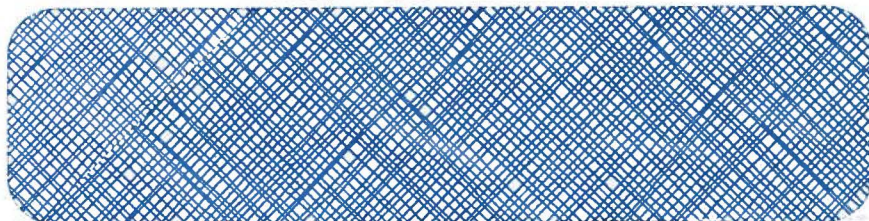
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**CITY OF LOS ANGELES**  
INTER-DEPARTMENTAL CORRESPONDENCE

**DATE:** September 30, 2019

**TO:** Douglas Guthrie, President and CEO  
Housing Authority of the City of Los Angeles

**Attn:** Dhiraj Narayan, Development Officer  
Housing Authority of the City of Los Angeles

**FROM:** Ali Poosti, Division Manager  
Wastewater Engineering Services Division  
LA Sanitation and Environment



**SUBJECT: ROSE HILL COURTS REDEVELOPMENT PROJECT - NOTICE OF AVAILABILITY OF DRAFT ENVIRONMENTAL IMPACT REPORT/ DRAFT ENVIRONMENTAL IMPACT STATEMENT**

This is in response to your September 19, 2019 letter requesting a review of the proposed residential project located at 4446 Florizel St, Los Angeles, CA 90032. The project will consist of the construction of affordable housing units. LA Sanitation has conducted a preliminary evaluation of the potential impacts to the wastewater and stormwater systems for the proposed project.

**WASTEWATER REQUIREMENT**

LA Sanitation, Wastewater Engineering Services Division (WESD) is charged with the task of evaluating the local sewer conditions and to determine if available wastewater capacity exists for future developments. The evaluation will determine cumulative sewer impacts and guide the planning process for any future sewer improvement projects needed to provide future capacity as the City grows and develops.

**Projected Wastewater Discharges for the Proposed Project:**

Type Description	Average Daily Flow per Type Description (GPD/UNIT)	Proposed No. of Units	Average Daily Flow (GPD)
<i>Proposed</i>			
Residential: APT- 1 BDRM	110 GPD/DU	88 DU	9,680
Residential: APT- 2 BDRM	150 GPD/DU	59 DU	8,850
Residential: APT- 3 BDRM	190 GPD/DU	30 DU	5,700
Residential: APT - 4 BDRM	230 GPD/DU	8 DU	1,840
Office	120 GPD/1,000 SQ.FT	6,366 SQ.FT	764
<b>Total</b>			<b>26,834 GPD</b>

**SEWER AVAILABILITY**

The sewer infrastructure in the vicinity of the proposed project includes an existing 8-inch line on Florizel St. The sewage from the existing 8-inch line feeds into a 10-inch line on Huntington

Drive before discharging into a 33-inch sewer line on North Main St. Figure 1 shows the details of the sewer system within the vicinity of the project. The current flow levels (d/D) in the 8-inch line and the 10-inch line cannot be determined at this time without additional gauging.

The current approximate flow level (d/D) and the design capacities at d/D of 50% in the sewer system are as follows:

Pipe Diameter (in)	Pipe Location	Current Gauging d/D (%)	50% Design Capacity
8	Florizel St.	*	1.28 MGD
10	Huntington Dr	*	416,000 GPD
33	North Main St	29	18.91 MGD

\* No gauging available

Based on the estimated flows, it appears the sewer system might be able to accommodate the total flow for your proposed project. Further detailed gauging and evaluation will be needed as part of the permit process to identify a specific sewer connection point. If the public sewer has insufficient capacity, then the developer will be required to build sewer lines to a point in the sewer system with sufficient capacity. Any sewer ejector shall be reviewed by LASAN staff prior to City of Los Angeles Department of Building and Safety (LADBS) approval. A final approval for sewer capacity and connection permit will be made at that time. Ultimately, this sewage flow will be conveyed to the Hyperion Water Reclamation Plant, which has sufficient capacity for the project.

If you have any questions, please call Christopher DeMonbrun at (323) 342-1567 or email at [chris.demonbrun@lacity.org](mailto:chris.demonbrun@lacity.org).

## **STORMWATER REQUIREMENTS**

LA Sanitation, Stormwater Program is charged with the task of ensuring the implementation of the Municipal Stormwater Permit requirements within the City of Los Angeles. We anticipate the following requirements would apply for this project.

### **POST-CONSTRUCTION MITIGATION REQUIREMENTS**

In accordance with the Municipal Separate Storm Sewer (MS4) National Pollutant Discharge Elimination System (NPDES) Permit (Order No. R4-2012-0175, NPDES No. CAS004001) and the City of Los Angeles Stormwater and Urban Runoff Pollution Control requirements (Chapter VI, Article 4.4, of the Los Angeles Municipal Code), the Project shall comply with all mandatory provisions to the Stormwater Pollution Control Measures for Development Planning (also known as Low Impact Development [LID] Ordinance). Prior to issuance of grading or building permits, the applicant shall submit a LID Plan to the City of Los Angeles, Public Works, LA Sanitation, Stormwater Program for review and approval. The LID Plan shall be prepared consistent with the requirements of the Planning and Land Development Handbook for Low Impact Development.

Current regulations prioritize infiltration, capture/use, and then biofiltration as the preferred stormwater control measures. The relevant documents can be found at: [www.lacitysan.org](http://www.lacitysan.org). It is

advised that input regarding LID requirements be received in the preliminary design phases of the project from plan-checking staff. Additional information regarding LID requirements can be found at: [www.lacitysan.org](http://www.lacitysan.org) or by visiting the stormwater public counter at 201 N. Figueroa, 2<sup>nd</sup> Fl, Suite 280.

## GREEN STREETS

The City is developing a Green Street Initiative that will require projects to implement Green Street elements in the parkway areas between the roadway and sidewalk of the public right-of-way to capture and retain stormwater and urban runoff to mitigate the impact of stormwater runoff and other environmental concerns. The goals of the Green Street elements are to improve the water quality of stormwater runoff, recharge local ground water basins, improve air quality, reduce the heat island effect of street pavement, enhance pedestrian use of sidewalks, and encourage alternate means of transportation. The Green Street elements may include infiltration systems, biofiltration swales, and permeable pavements where stormwater can be easily directed from the streets into the parkways and can be implemented in conjunction with the LID requirements. Green Street standard plans can be found at: [www.eng2.lacity.org/techdocs/stdplans/](http://www.eng2.lacity.org/techdocs/stdplans/)

## CONSTRUCTION REQUIREMENTS

All construction sites are required to implement a minimum set of BMPs for erosion control, sediment control, non-stormwater management, and waste management. In addition, construction sites with active grading permits are required to prepare and implement a Wet Weather Erosion Control Plan during the rainy season between October 1 and April 15. Construction sites that disturb more than one-acre of land are subject to the NPDES Construction General Permit issued by the State of California, and are required to prepare, submit, and implement the Storm Water Pollution Prevention Plan (SWPPP).

If there are questions regarding the stormwater requirements, please call WPP's plan-checking counter at (213) 482-7066. WPD's plan-checking counter can also be visited at 201 N. Figueroa, 2<sup>nd</sup> Fl, Suite 280.

## **GROUNDWATER DEWATERING REUSE OPTIONS**

The Los Angeles Department of Water and Power (LADWP) is charged with the task of supplying water and power to the residents and businesses in the City of Los Angeles. One of the sources of water includes groundwater. The majority of groundwater in the City of Los Angeles is adjudicated, and the rights of which are owned and managed by various parties. Extraction of groundwater within the City from any depth by law requires metering and regular reporting to the appropriate Court-appointed Watermaster. LADWP facilitates this reporting process, and may assess and collect associated fees for the usage of the City's water rights. The party performing the dewatering should inform the property owners about the reporting requirement and associated usage fees.

On April 22, 2016 the City of Los Angeles Council passed Ordinance 184248 amending the City of Los Angeles Building Code, requiring developers to consider beneficial reuse of groundwater



as a conservation measure and alternative to the common practice of discharging groundwater to the storm drain (SEC. 99.04.305.4). It reads as follows: "Where groundwater is being extracted and discharged, a system for onsite reuse of the groundwater, shall be developed and constructed. Alternatively, the groundwater may be discharged to the sewer."

Groundwater may be beneficially used as landscape irrigation, cooling tower make-up, and construction (dust control, concrete mixing, soil compaction, etc.). Different applications may require various levels of treatment ranging from chemical additives to filtration systems. When onsite reuse is not available the groundwater may be discharged to the sewer system. This allows the water to be potentially reused as recycled water once it has been treated at a water reclamation plant. If groundwater is discharged into the storm drain it offers no potential for reuse. The onsite beneficial reuse of groundwater can reduce or eliminate costs associated with sewer and storm drain permitting and monitoring. Opting for onsite reuse or discharge to the sewer system are the preferred methods for disposing of groundwater.

To help offset costs of water conservation and reuse systems, LADWP offers Technical Assistance Program (TAP), which provides engineering and technical assistance for qualified projects. Financial incentives are also available. Currently, LADWP provides an incentive of \$1.75 for every 1,000 gallons of water saved during the first two years of a five-year conservation project. Conservation projects that last 10 years are eligible to receive the incentive during the first four years. Other water conservation assistance programs may be available from Metropolitan Water District of Southern California. To learn more about available water conservation assistance programs, please contact LADWP Rebate Programs 1-888-376-3314 and LADWP TAP 1-800-544-4498, selection "3".

For more information related to beneficial reuse of groundwater, please contact Greg Reed, Manager of Water Rights and Groundwater Management, at (213)367-2117 or [greg.reed@ladwp.com](mailto:greg.reed@ladwp.com).

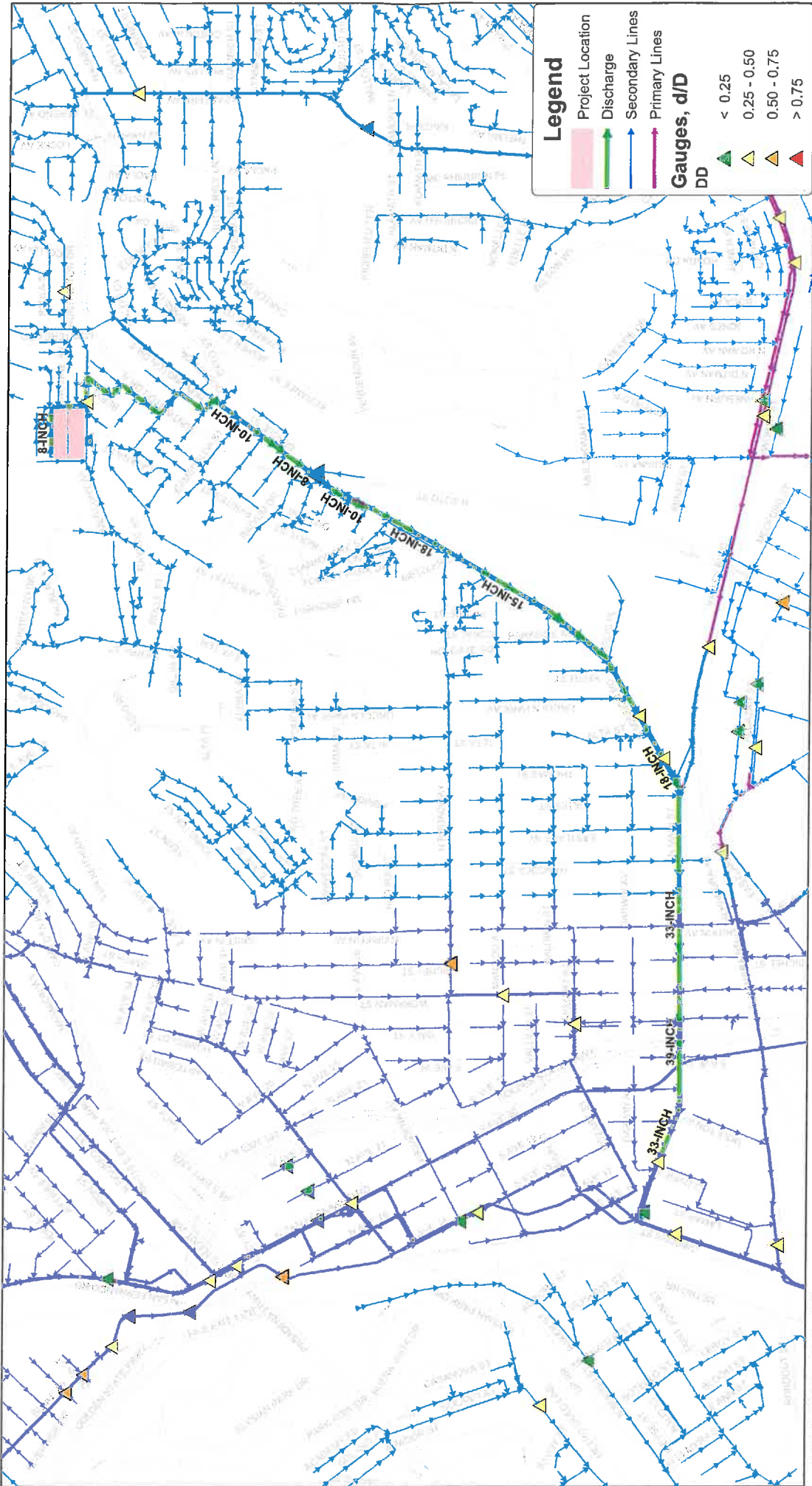
### **SOLID RESOURCE REQUIREMENTS**

The City has a standard requirement that applies to all proposed residential developments of four or more units or where the addition of floor areas is 25 percent or more, and all other development projects where the addition of floor area is 30 percent or more. Such developments must set aside a recycling area or room for onsite recycling activities. For more details of this requirement, please contact LA Sanitation Solid Resources Recycling hotline 213-922-8300.

CD/AP: ra

Attachment: Figure 1 - Sewer Map

c: Kosta Kaporis, LASAN  
Cyrus Gilani, LASAN  
Christopher DeMonbrun, LASAN



**Figure 1**  
**ROSE HILL COURTS REDEVELOPMENT PROJECT**  
**Sewer Map**

Wastewater Engineering Services Division  
 Bureau of Sanitation  
 City of Los Angeles



Thomas Brother Data reproduced with permission granted by THOMAS BROS MAP



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

SENT VIA E-MAIL AND USPS:

October 17, 2019

[RHCRdev.CEQA@hacla.org](mailto:RHCRdev.CEQA@hacla.org)

Dhiraj Narayan, Development Officer  
City of Los Angeles, Housing Authority  
2600 Wilshire Boulevard, 3<sup>rd</sup> Floor  
Los Angeles, CA 90057

## **Draft Environmental Impact Report/Environmental Impact Statement (Draft EIR/EIS) for the Proposed Rose Hill Courts Redevelopment Project (SCH No.:2018091035)**

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. The following comments are meant as guidance for the Lead Agency and should be incorporated into the Final EIR/EIS.

### South Coast AQMD Staff's Summary of Project Description

The Lead Agency proposes to demolish 100 existing residential units, and construct 156,926 square feet with 185 residential units and 6,366 square feet of office uses on 5.24 acres (Proposed Project). The Proposed Project will also include 125,022 square feet of open space. The Proposed Project is located at 4446 Florizel Street on the southwest corner of Florizel Street and McKenzie Street in the community of El Sereno within the City of Los Angeles.

The Lead Agency conducted a Phase I Environmental Site Assessment (ESA) and found that the soil at the Proposed Project site is impacted with lead<sup>1</sup>. The Lead Agency has committed to Mitigation Measure HAZ-1 in the Hazards and Hazardous Materials Section of the Draft EIR/EIS, which requires a Soil Management Plan (SMP) be prepared for the site in accordance with the applicable requirements of the Department of Toxic Substances Control (DTSC) and the County of Los Angeles Fire Department (LAFD)<sup>2</sup>. Prior to the start of grading and excavation activities, a qualified environmental consultant will be retained to prepare the SMP<sup>3</sup>.

### South Coast AQMD Staff's Summary of the Air Quality Analysis

In the Air Quality Analysis Section, the Lead Agency quantified the Proposed Project's construction and operational emissions associated with demolition and construction of residential units and compared those emissions to South Coast AQMD's recommended regional and localized air quality CEQA significance thresholds. Based on the analysis, the Lead Agency found that the Proposed Project's construction and operational air quality impacts associated with demolition, construction, and operation of the residential units would be less than significant<sup>4</sup>. No mitigation for air quality was included<sup>5</sup>. The Lead Agency also included discussions on applicable South Coast AQMD rules<sup>6</sup>, including Rule 402 – Nuisance<sup>7</sup>, Rule 403

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<sup>1</sup> Draft EIR/EIS. Hazards and Hazardous Materials. Page 4.7-11.

<sup>2</sup> *Ibid.*

<sup>3</sup> *Ibid.*

<sup>4</sup> *Ibid.* Air Quality. Page 4.2-29.

<sup>5</sup> *Ibid.*

<sup>6</sup> *Ibid.* Page 4.2-10 through 4.2-11; 4.2-27.

<sup>7</sup> South Coast AQMD Rule 402 – Nuisance. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-402.pdf>.

– Fugitive Dust<sup>8</sup>, Rule 445 – Wood-Burning Devices<sup>9</sup>, Rule 1113 – Architectural Coatings<sup>10</sup>, and Rule 1403 – Asbestos Emissions from Demolition/Renovation Activities<sup>11</sup>.

#### South Coast AQMD Staff's Comments on the Construction Air Quality Analysis

In the Hazards and Hazardous Materials Section of the Draft EIR/EIS, the Lead Agency stated that due to the presence of lead at the site, a SMP will be prepared prior to the commencement of excavation and grading construction activities<sup>12</sup>. Implementation of the SMP will require soils to be removed and properly disposed of in accordance with the requirements of DTSC and LAFD<sup>13</sup>. However, at this time, the amount of soil that will need to be removed from the Proposed Project was not identified in the Hazards and Hazardous Materials Section of the Draft EIR/EIS.

While the Air Quality Section in the Draft EIR/EIS quantified the Proposed Project's emissions from demolition and construction of the proposed residential units, it did not quantify emissions from implementation of the SMP, which will include soil removal activities and may take place concurrently with grading and excavation construction activities for the proposed residential units<sup>14</sup>. Additionally, soil removal activities will likely involve the use of heavy-duty, diesel-fueled trucks. Their emissions should be included in the air quality analysis of the Final EIR/EIS. The Lead Agency should also use its good faith, best efforts to provide information on the scope, types, and duration of the soil removal activities. Therefore, South Coast AQMD staff recommends that the Lead Agency revise the air quality analysis to provide such information, quantify emissions from soil removal activities and any actions or controls identified in the SMP, and include those emissions in the Proposed Project's construction emissions profile to be compared to South Coast AQMD's air quality CEQA significance thresholds for construction to determine the level of significance in the Final EIR/EIS. Alternatively, the Lead Agency should include a new air quality mitigation measure in the Air Quality Section of the Final EIR/EIS to commit to evaluating subsequent soil removal activities through a CEQA process prior to commencing the Proposed Project's construction activities, including the soil removal activities.

If there is any information in the subsequent CEQA process suggesting that the soil removal activities or any actions or controls that will be identified in the SMP, after consultation with the DTSC and LAFD, would result in significant adverse air quality impacts not analyzed in the Final EIR/EIS for the Proposed Project, or substantially more severe air quality impacts than those analyzed in the Final EIR/EIS for the Proposed Project, the Lead Agency should commit to reevaluating the Proposed Project's air quality impacts through a CEQA process (CEQA Guidelines Section 15162).

#### South Coast AQMD Rules and Permits

Since the Proposed Project will include the removal of soils which contain lead, the Lead Agency should include a discussion to demonstrate compliance with South Coast AQMD Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Containments<sup>15</sup> in the Final EIR/EIS. In addition, prior to

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<sup>8</sup> South Coast AQMD Rule 403 – Fugitive Dust. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-403.pdf>.

<sup>9</sup> South Coast AQMD Rule 445 – Wood-Burning Devices. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/rule-iv/rule-445.pdf>.

<sup>10</sup> South Coast AQMD. Rule 1113 – Architectural Coatings. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xi/r1113.pdf>.

<sup>11</sup> South Coast AQMD Rule 1403 – Asbestos Emissions form Demolition/Renovation Activities. Accessed at: <http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1403.pdf>.

<sup>12</sup> Draft EIR/EIS. Hazards and Hazardous Materials. Page 4.7-15.

<sup>13</sup> *Ibid.*

<sup>14</sup> *Ibid.*

<sup>15</sup> South Coast AQMD Rule 1466 – Control of Particulate Emissions from Soils with Toxic Air Containments. Accessed at: <https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1466.pdf>.

the commencement of soil removal activities, the Lead Agency should consult with South Coast AQMD's Engineering and Permitting staff to determine whether or not any permits, plans, or additional compliance measures will need to be filed and approved by South Coast AQMD prior to start of the soil removal activities during construction of the Proposed Project.

It is also important to note that generally, operation of portable engines and portable equipment units of 50 brake horsepower or greater that emit particulate matter require a permit from South Coast AQMD or registration under the Portable Equipment Registration Program (PERP) through the California Air Resources Board (CARB)<sup>16</sup>. The Lead Agency should consult with South Coast AQMD's Engineering and Permitting staff to determine if there is any diesel-powered equipment during construction and the soil removal process that will require a South Coast AQMD permit or if the equipment will need to be registered under the PERP through CARB.

If a permit from South Coast AQMD is required, South Coast AQMD should be identified as a Responsible Agency for the Proposed Project in the Final EIR/EIS. Any assumptions used in the Air Quality Analysis in the Final EIR/EIS will be used as the basis for permit conditions and limits for the Proposed Project. Should there be any questions on permits, please contact South Coast AQMD's Engineering and Permitting staff at (909) 396-3385. For more general information on permits, please visit South Coast AQMD's webpage at: <http://www.aqmd.gov/home/permits>. For more information on the PERP Program, please contact CARB at (916) 324-5869 or visit CARB's webpage at: <https://ww2.arb.ca.gov/our-work/programs/portable-equipment-registration-program-perp>.

#### Conclusion

Pursuant to California Public Resources Code Section 21092.5(a) and CEQA Guidelines Section 15088(b), South Coast AQMD staff requests that the Lead Agency provide South Coast AQMD staff with written responses to all comments contained herein prior to the certification of the Final EIR/EIS. In addition, issues raised in the comments should be addressed in detail giving reasons why specific comments and suggestions are not accepted. There should be good faith, reasoned analysis in response. Conclusory statements unsupported by factual information will not suffice (CEQA Guidelines Section 15088(c)). Conclusory statements do not facilitate the purpose and goal of CEQA on public disclosure and are not meaningful, informative, or useful to decision makers and to the public who are interested in the Proposed Project.

South Coast AQMD staff is available to work with the Lead Agency to address any air quality questions that may arise from this comment letter. Please contact Alina Mullins, Assistant Air Quality Specialist, at [amullins@aqmd.gov](mailto:amullins@aqmd.gov) or (909) 396-2402, should you have any questions.

Sincerely,

*Lijin Sun*

Lijin Sun, J.D.

Program Supervisor, CEQA IGR

Planning, Rule Development & Area Sources

LS:AM  
LAC190906-07  
Control Number

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<sup>16</sup> South Coast AQMD. *Portable Equipment Registration Program (PERP)*. Accessed at: <http://www.aqmd.gov/home/permits/equipment-registration/perp>



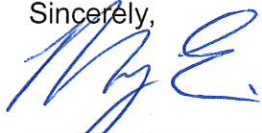
on months bus and rail passes, shuttle buses, vanpools, etc. These alternatives can be significant to reducing car trips, to the extent that more of the population shifts to transit for some of their inter-regional trips and thus future cumulative traffic impacts to freeways may be satisfactorily mitigated.

In addition, the Lead Agency may wish to consider implementing other measures that reduce vehicle speeds. The reduction of vehicle speed benefits pedestrian and bicyclist safety, as there is a direct link between impact speeds and the likelihood of fatality. The most effective methods to reduce pedestrian and bicyclist exposure to vehicles is through physical design and geometrics. Such methods include the construction of physically separated facilities such as Class IV bike lanes, sidewalks, pedestrian refuge islands, landscaping, street furniture, and reductions in crossing distances through roadway narrowing. Visual indicators such as, but not limited to, pedestrian and bicyclist warning signage, flashing beacons, crosswalks, and striping should be used to indicate to motorists that they can expect to see and yield to pedestrians and people on bikes.

As a reminder, any transportation of heavy construction equipment and/or materials which requires use of oversized-transport vehicles of State highways will need a Caltrans transportation permit. We recommend large size truck trips be limited to off-peak commute periods.

If you have any questions, please contact project coordinator Mr. Carlo Ramirez, at [carlo.ramirez@dot.ca.gov](mailto:carlo.ramirez@dot.ca.gov) and refer to GTS# 07-LA-2018-02805.

Sincerely,



MIYA EDMONSON  
IGR/CEQA Branch Chief

cc: Scott Morgan, State Clearinghouse



Gavin Newsom  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Kate Gordon  
Director

October 22, 2019

Dhiraj Narayan  
Los Angeles, City of  
2600 Wilshire Boulevard, 3rd Floor  
Los Angeles, CA 90057

Subject: Rose Hill Courts Redevelopment  
SCH#: 2018091035

Dear Dhiraj Narayan:

The State Clearinghouse submitted the above named EIR to selected state agencies for review. The review period closed on 10/21/2019, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act, please visit: <https://ceqanet.opr.ca.gov/2018091035/3> for full details about your project.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Scott Morgan  
Director, State Clearinghouse





Gavin Newsom  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Kate Gordon  
Director

October 22, 2019

Dhiraj Narayan  
Los Angeles County  
2600 Wilshire Boulevard, 3rd Floor  
Los Angeles, CA 90057

Subject: Rose Hill Courts Redevelopment  
SCH#: 2018091035

Dear Dhiraj Narayan:

The State Clearinghouse submitted the above named EIR to selected state agencies for review. The review period closed on 10/21/2019, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act, please visit: <https://ceqanet.opr.ca.gov/2018091035/2> for full details about your project.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Scott Morgan  
Director, State Clearinghouse



Gavin Newsom  
Governor

STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Kate Gordon  
Director

October 24, 2019

Dhiraj Narayan  
Los Angeles, City of  
2600 Wilshire Boulevard, 3rd Floor  
Los Angeles, CA 90057

Subject: Rose Hill Courts Redevelopment  
SCH#: 2018091035

Dear Dhiraj Narayan:

The comment (s) on your EIR was (were) received by the State Clearinghouse after the end of the state review period, which closed on 10/21/2019. **Please check the CEQA database for these comments:** <https://ceqanet.opr.ca.gov/2018091035/3> because they provide information or raise issues that should be addressed in your final environmental document.

The California Environmental Quality Act does not require Lead Agencies to respond to late comments. However, we encourage you to incorporate these additional comments into your final environmental document and to consider them prior to taking final action on the proposed project.

Please contact the State Clearinghouse at (916) 445-0613 if you have any questions concerning the environmental review process. If you have a question regarding the above-named project, please refer to the ten-digit State Clearinghouse number (2018091035) when contacting this office.

Sincerely,

Scott Morgan  
Director, State Clearinghouse

cc: Resources Agency



ON September 05 2019

UNTIL October 07 2019

REGISTRAR – RECORDER/COUNTY CLERK



**NOTICE OF AVAILABILITY**  
**DRAFT ENVIRONMENTAL IMPACT REPORT/DRAFT ENVIRONMENTAL IMPACT STATEMENT**  
**FOR THE ROSE HILL COURTS REDEVELOPMENT PROJECT IN THE CITY OF LOS ANGELES,**  
**CALIFORNIA**

**TO:** All Interested Agencies, Organizations, and Persons

**AGENCY:** Office of the Assistant Secretary for Community Planning and Development, Department of Housing and Urban Development (HUD).

**ACTION:** Notice of Availability and request for comments.

**SUMMARY:** The Housing Authority of the City of Los Angeles (HACLA), as Lead Agency under the California Environmental Quality Act (CEQA), and the Los Angeles Housing and Community Investment Department (HCID), as Lead Agency under the National Environmental Policy Act (NEPA) have prepared a joint Draft Environmental Impact Report/Environmental Impact Statement (Draft EIR/EIS) consistent with CEQA and NEPA for the proposed Rose Hill Courts Redevelopment Project (Project).

A description of the Project is provided in the **SUPPLEMENTARY INFORMATION** section.

**AVAILABILITY OF THE DRAFT EIR/EIS:** Electronic copies of the Draft EIR portion of the Draft EIR/EIS are available for public review on the following website: <http://www.hacla.org/dsprojects/ID/8/Rose-Hill-Courts>. The Draft EIS portion of the Draft EIR/EIS will be available for review on September 11, 2019 at the same address (<http://www.hacla.org/dsprojects/ID/8/Rose-Hill-Courts>) and noticed in the Federal Register. CDs and paper copies of the Draft EIR/EIS will also be available for public review at the following locations during regular business hours:

- HACLA at 2600 Wilshire Blvd, Los Angeles, CA 90057
- The Administrative Office of the Rose Hill Courts Community Center located at 4446 Florizel St., Los Angeles, 90032. To review the Draft EIR/EIS, please contact Mario Ramsey at: (323) 342-6710 to schedule an appointment for viewing.
- El Sereno Branch Library, located at 522 Huntington Drive S., Los Angeles, CA 90032 (T: 323/225-9201).

**DATES AND PUBLIC COMMENT:** The public comment period on the Draft EIR portion of the Draft EIR/EIS begins on **September 6, 2019** and closes at 5:00 p.m. on **October 21, 2019**. Any person wishing to comment on the Draft EIR may do so. The public comment period will be 45 days. Comments and related material must be submitted on or before **October 21, 2019**, using one of the methods in the **ADDRESSES** section of this NOA.

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The public comment period on the Draft EIS portion of the Draft EIR/EIS begins on **September 20, 2019** and closes at 5:00 p.m. on **November 4, 2019**. Any person wishing to comment on the Draft EIS may do so. The public comment period will be 45 days. Comments and related material must be submitted on or before **November 4, 2019**, using one of the methods in the **ADDRESSES** section of this NOA.

**ADDRESSES:** You may submit comments using any one of the following methods:

- (1) Email: [RHCRdev.CEQA@hacla.org](mailto:RHCRdev.CEQA@hacla.org)
- (2) Mail: Dhiraj Narayan, Development Officer, Housing Authority of the City of Los Angeles  
2600 Wilshire Boulevard Los Angeles, CA 90057
- (3) Hand delivery: Same as mail address above, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

To avoid duplication, please use only one of these methods. Comments need not be repeated to each lead agency.

**FOR FURTHER INFORMATION CONTACT:** If you have questions regarding this notice, write or e-mail:

Dhiraj Narayan  
Housing Authority of the City of Los Angeles  
2600 Wilshire Boulevard, 3rd Floor  
Los Angeles, CA 90057  
Phone - (213) 252-6120  
Email - [RHCRdev.CEQA@hacla.org](mailto:RHCRdev.CEQA@hacla.org)

Shelly Lo  
Los Angeles Housing & Community Investment Department  
1200 West 7<sup>th</sup> Street, 8<sup>th</sup> Floor  
Los Angeles, CA 90012  
Phone - (213) 808-8879  
Email - [shelly.lo@lacity.org](mailto:shelly.lo@lacity.org)

**SUPPLEMENTARY INFORMATION:**

**Project Description:**

The Project proposes to redevelop the existing 5.24 acre (228,255 square feet) Rose Hill Courts (RHC) public housing site (Project Site) located within the Northeast Los Angeles Community Plan (Community Plan), in the El Sereno Community of the City of Los Angeles (City). Rose Hill Courts is a low-income public housing project constructed in 1942 by the Housing Authority of the City of Los Angeles (HACLA). Rose Hill Courts was formally determined eligible for the National Historic Register of Historic Places and is therefore listed in the California Register of Historical Resources. The Project proposes to build 185 new multi-family units, 174 parking spaces and a Management Office/Community Building. The existing 15 structures onsite, which currently have significant capital needs due to their age, would be demolished.



**FILED**  
Sep 05 2019

Dean C. Logan, Registrar - Recorder/County Clerk

Electronically signed by CORTNEY MAFFITT



FILED  
Sep 05 2019

Dean C. Logan, Registrar - Recorder/County Clerk

Electronically signed by COURTNEY MAFFITT

The Project would be completed in two phases. Phase I, located on the northeast corner of the site at McKenzie and Florizel, would include 89 units (replacing seven buildings consisting of 20 units and the existing administration building). Phase II, on the balance of the site, would include 96 new units (replacing eight buildings consisting of 80 units). The Project proposes nine buildings that would include a total of 88 one bedroom units, 59 two bedroom units, 30 three bedroom units, and eight four bedroom units. The Project would also include a 6,366 square-foot Management Office/Community Building and a "Central park" green space, creating a park like setting for residents. The Project would provide a total of 174 parking spaces onsite, with at grade and tuck under parking; upgraded lighting, fencing, signage, and security features; and storm-drain and utility improvements. The new sustainably designed buildings would be energy efficient and the landscaping would include water efficient irrigation.

The Project Site is zoned by the City of Los Angeles Municipal Code (LAMC) as [Q]R1-1D (Qualified One-Family Dwelling, Height District 1D) and has a Community Plan designation of Low Residential. The Qualified zone classification "Q" reflects the Northeast Los Angeles Hillside Ordinance.

Land uses surrounding the project site include the Ernest E. Debs Regional Park to the west, along Mercury Avenue and Boundary Avenue; Rose Hill Park to the north; the Rose Hill Recreation Center to the southeast. Our Lady of Guadalupe Catholic Church and Elementary School is located east of the project site, along Browne Avenue. Single-family and multi-family residential developments are located to the south and east.

The project would require the following approvals:

Agency	Permit or Approval
Housing Authority of the City of Los Angeles (HACLA) CEQA Lead Agency	<ul style="list-style-type: none"> <li>• Certification of the EIR</li> <li>• Approval of Disposition and Development Agreement</li> <li>• Approval of Relocation Plan for Residents</li> <li>• Project-based Section 8 vouchers</li> </ul>
City of Los Angeles	<ul style="list-style-type: none"> <li>• Demolition and Building Permits, including approval for demolition of historic buildings</li> <li>• Public Benefit Project with Alternative Compliance (PUB) under Los Angeles Municipal Code § 14.00B</li> <li>• Affordable Housing Density Bonus (SB 1818) as identified in LAMC § 12.22 A.25: Request is to allow a Density Bonus project with off-menu incentives.</li> <li>• Lot Tie/Lot Line Adjustment Process due to Phase I and II being on separate lots.</li> <li>• Permit for the removal of street trees (if required)</li> <li>• Haul Route approval (if necessary)</li> </ul>
Utilities	<ul style="list-style-type: none"> <li>• Utility coordination and permits</li> </ul>
United States Department of Housing and Urban Development (Delegated to HCID)	<ul style="list-style-type: none"> <li>• NEPA Part 58 Compliance/ Adoption of the EIS</li> </ul>
HUD	<ul style="list-style-type: none"> <li>• Section 18 Demolition and Disposition of existing Rose Hill Courts</li> <li>• Rental Assistance Demonstration (RAD) Conversion</li> </ul>

The Draft EIR/EIS identifies potentially significant impacts on: Aesthetics, Biological Resources, Cultural Resources, Geology and Soils/Paleontological Resources, Hazards and Hazardous Materials, Noise, Public Services (Police Protection and Recreation and Parks), and Transportation. Most impacts would be reduced to less-than-significant levels through the implementation of mitigation measures. However, the Project may result in significant impacts after mitigation on Aesthetics, Cultural Resources and Noise. Proposed mitigation measures for the significant impacts include preparation of an interpretive display and a dedicated website for the history of public housing in Los Angeles.

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Sep 05 2019

Dean C. Logen, Registrar - Recorder/County Clerk

Electronically signed by CORTNEY MAFFITT

**From:** El Sereno <[eshs.org@gmail.com](mailto:eshs.org@gmail.com)>

**Sent:** Sunday, October 20, 2019 9:29 PM

**To:** [politicostrategiesinc@gmail.com](mailto:politicostrategiesinc@gmail.com); [RHCRedev.CEQA@hacla.org](mailto:RHCRedev.CEQA@hacla.org)

**Cc:** [shelly.lo@lacity.org](mailto:shelly.lo@lacity.org); [mpartridge@ultrasystems.com](mailto:mpartridge@ultrasystems.com)

**Subject:** Rose Hill Courts Redevelopment Project

Hello George, Dhiraj, Jennifer, Rose and the rest of the development team,

It was good to see you at the Rose Hill Courts Open House. While I'm still reviewing all the Rose Hill Courts Environmental Review Documents, I have some concerns and questions.

First, there is the concern of where exactly the Rose Hill Courts are located. The Rose Hill Notice of Availability (NOA), the Rose Hill Courts Relocation Plan, and the Rose Hill Courts DEIR-DEIS all correctly state that the Rose Hill Courts are located in El Sereno (see attachments 1, 2 and 3).

Yet, in the Rose Hill Courts Environmental Assessment, there is a statement that says that the Rose Hill Courts are located in Montecito Heights (see attachment 4). Also, in the Rose Hill Courts Initial Study, there is the statement that Rose Hill Courts is located in the Rose Hill neighborhood (see attachment 5). For the sake of the community and historical accuracy, we strongly request that the documents are all uniform and accurately identify the location of Rose Hill Courts within the community of El Sereno.

Finally, we are all aware that the Rose Hill Courts qualify to be included in the National Register of Historic Places. I had previously requested that the Rose Hill Courts history be cataloged and showcased in the new Rose Hill Courts community building. There had been an agreement among the developers and consultants that this would be done. Yet, I have not found where exactly in the draft EIR portion of the draft EIR/EIS this preservation is included. Where in the document is the cataloging of this historic building addressed?

Please include my comments, concerns and attachments as part of the public comments for the Draft Environmental Impact Report/Draft Environmental Impact Statement for the Rose Hill Courts Redevelopment Project in the City of Los Angeles, CA.

Sincerely,

Jorge Garcia, President  
El Sereno Historical Society



Dhiraj Narayan  
Housing Authority of the City of Los Angeles  
2600 Wilshire Boulevard, 3rd Floor  
Los Angeles, CA 90057  
Phone - (213) 252-6120  
Email - [RHCRdev.CEQA@hacla.org](mailto:RHCRdev.CEQA@hacla.org)

Shelly Lo  
Los Angeles Housing & Community Investment Department  
1200 West 7<sup>th</sup> Street, 8<sup>th</sup> Floor  
Los Angeles, CA 90012  
Phone - (213) 808-8879  
Email - [shelly.lo@lacity.org](mailto:shelly.lo@lacity.org)

**SUPPLEMENTARY INFORMATION:**

**Project Description:**

The Project proposes to redevelop the existing 5.24 acre (228,255 square feet) Rose Hill Courts (RHC) public housing site (Project Site) located within the Northeast Los Angeles Community Plan (Community Plan), in the El Sereno Community of the City of Los Angeles (City). Rose Hill Courts is a low-income public housing project constructed in 1942 by the Housing Authority of the City of Los Angeles (HACLA). Rose Hill Courts was formally determined eligible for the National Historic Register of Historic Places and is therefore listed in the California Register of Historical Resources. The Project proposes to build 185 new multi-family units, 174 parking spaces and a Management Office/Community Building. The existing 15 structures onsite which currently have significant

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Los Angeles area during and after the Second World War, and it continues to be in use today (GPA, 2015, p. 16). The Rose Hill Courts complex consists of an administration building (i.e., offices and a common room with a kitchen, pantry, and two bathrooms) and 14 two-story, wood-frame buildings with townhouse and flat style apartments comprising 100 units. The apartment complex was designed in the Garden City and Modern style, which was typical of public housing projects of the 40's era. Characteristics of the Garden City and Modern style include: low density; modern architectural characteristics, including the standardization and repetition of building types; and placement and orientation of the buildings on a project site to maintain low density. Rose Hill Courts by its general layout is an example of the Garden City and Modern style, since the buildings cover 19 percent of the land area, and no buildings exceed two stories (Ibid., p. 19).

In 2003, Rose Hill Courts was determined eligible for listing in the National Register of Historic Places (NRHP) through the federal review process pursuant to Section 106 of the National Historic Preservation Act (NHPA) of 1966. According to the Determination of Eligibility, Rose Hill Courts is significant at the local level under Criteria A and Criteria C –for its association with the development of public and defense housing during World War II, and as an excellent example of a public housing complex following the planning and design principals of the Garden City and Modern movements. Because it was determined eligible for the NRHP, it is automatically included in the California Register of Historical Resources (CRHR).

The property is on a slope; the northwest end is the highest point and the southeast end is the lowest point. Landscaping on the Project Site consists of grassy open areas with mature trees and shrubs, as well as concrete planters. The 15 buildings include an administration building and 14 residential buildings containing 100 dwelling units. The buildings are rectangular or square in plan and are generally arranged in parallel groupings. The north block includes the administration building facing Florizel Street. To the west of the administration building there are three rectangular residential buildings, and to the east are one rectangular, and four square residential buildings. The south block includes six rectangular residential buildings. Parking for the complex consists of paved surface parking areas located along both sides of a private driveway that bisects the northern and southern blocks of the Project Site. There are five building types on the site. All of the buildings are one or two stories in height, with wood-frame construction, concrete slab foundations, and composition roofing.

The site is located within the Northeast Los Angeles Community Plan (Community Plan), in the El Sereno neighborhood area of the City of Los Angeles. City of Los Angeles land use plans applicable to the Project include the City of Los Angeles General Plan including the Framework Element the

Other Factors	1	The project is located within a fully developed area within the Northeast Los Angeles Community Plan area in the City of Los Angeles. The project is consistent with the City of Los Angeles' goals of increasing the housing stock and providing low-income housing in the City. There are no other factors associated with the project that have not already been addressed in the analysis above. <b>No impact would occur.</b> This issue will not be analyzed further in the EIR/EIS that will be prepared for the project.
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**Summary of Findings and Conclusions:**

The Rose Hill Courts complex is located at 4446 Florizel Street, on an improved 5.24-acre site. The site is located within the Northeast Los Angeles Community Plan, in the Montecito Heights neighborhood area of the City of Los Angeles. The project involves redevelopment of Rose Hill Courts,

48 Ibid. Section 4.9 – Hydrology and Water Quality.

49 United States Fish and Wildlife Service, Coastal Barrier Resources System.

<https://www.fws.gov/ecological-services/habitat-conservation/coastal.html>. Accessed on May 30, 2018.

50 UltraSystems Environmental. Initial Study, Section 4.8 – Hazards.

## **1.0 INTRODUCTION**

### **1.1 Existing Conditions**

The existing public housing complex is comprised of fifteen structures. Fourteen structures include 100-multi-family units, and one structure is an administration building with offices and a common room with a kitchen, pantry, and two bathrooms. Buildings throughout the complex are rectangular in shape and are generally arranged in parallel groupings. These groupings include:

- the North Block comprising the administration building facing Florizel Street;
- the Western Block comprising three rectangular apartment buildings;
- the Eastern Block comprising one rectangular-shaped and four square-shaped apartment buildings located along the eastern portion of the site; and
- the Southern Block comprising six rectangular apartment buildings.

Generally, there are five different building types located onsite, all of which are either one or two stories in height, and consist of wood-frame construction, concrete slab foundations, and composition roofing. Parking for the complex consists of paved surface parking areas located along both sides of the driveway that bisects the northern and southern blocks of the Rose Hill Courts complex.

### **1.2 Project**

The proposed two-phase project includes: the demolition of Rose Hill Courts' existing fifteen structures and subsequent construction of 191 affordable housing units onsite. The project proposes 102 one-bedroom units; 61 two-bedroom units, 20 three-bedroom units, and eight 4-bedroom units. Rose Hill Courts was constructed in 1942 by the Housing Authority of the City of Los Angeles (HACLA) as a low-income public housing project. The Rose Hill Courts complex is located at 4446 Florizel Street, on a 5.24-acre site. The site is located within the Northeast Los Angeles Community Plan (NECP), in the Rose Hill neighborhood area of the City of Los Angeles.

#### **1.2.1 Project Components**

The project at Rose Hill Courts would consist of the development of 191 affordable housing units in two phases as depicted in **Table 1.1-1** below and as described in **Section 3.0** of this document.

**From:** steve gregoropoulos [<mailto:waterfoot.dandy@gmail.com>]

**Sent:** Saturday, September 07, 2019 4:10 PM

**To:** RHCRdev CEQA <[RHCRdev.CEQA@hacla.org](mailto:RHCRdev.CEQA@hacla.org)>

**Cc:** Julio Torres <[julio.torres@lacity.org](mailto:julio.torres@lacity.org)>; [Paul.Habib@lacity.org](mailto:Paul.Habib@lacity.org); [Rocio.Hernandez@lacity.org](mailto:Rocio.Hernandez@lacity.org); [Susana.lopez@lacity.org](mailto:Susana.lopez@lacity.org); [Jermaine.Kelly@lacity.org](mailto:Jermaine.Kelly@lacity.org); [Mark.Fuentes@lacity.org](mailto:Mark.Fuentes@lacity.org)

**Subject:** Protecting and SAVING Rose Hill Courts

To whom it may concern:

I live with my family on Browne Ave., where we have had our home for ten years. Our neighbors at Rose Hill Courts are the best neighbors anyone could have and it is of PARAMOUNT importance that their homes be preserved.

I received your mailing today and it sent up a bunch of red flags: developers and other interested parties have long set their sights on this property and this looks like yet another attempt to try to mess with our neighbors.

The courts have ALREADY been declared an historical site and they must be preserved. There is nothing in your mailing about protecting the rights of the tenants, and your mailing refers to demolishing the courts.

This is absolutely unacceptable.

Please keep the developers out of El Sereno.

I insist you keep me advised of any events or meetings that I will (once again) have to attend to stand up for my neighbors at Rose Hill Courts.

**APPENDIX FEIR-2**  
**OPEN HOUSE FLYER**

# OPEN HOUSE

## Rose Hills Courts

### *Proposed Redevelopment*

The Housing Authority of the City of Los Angeles (HACLA) and the Los Angeles Housing Community + Investment Department (HCIDLA) have issued the Joint Draft Environmental Impact Report (EIR) and Draft Environmental Impact Statement (EIS) for Rose Hill Courts. The Draft EIR/EIS can be found here: [http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4\\_1](http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4_1). Both HACLA and Related welcome community members to attend the Open House for questions on the Draft EIR/EIS, current status of the project design, soon-to-be published Relocation Plan, and potential transportation infrastructure.

*Please join us to share your thoughts and hear about our plans!*



*Images are for illustration purposes ONLY. Actual final project may differ from that shown.*



**When:**

**Tuesday,**

**October 8, 2018**

**5:00 – 7:00 pm**

**Where:**

**Rose Hills**

**Recreation Center**

**4530 Mercury Ave**

**LA, CA 90032**

**MEETING PRESENTED BY**

**HACLA & RELATED  
CALIFORNIA**

**REFRESHMENTS WILL BE  
PROVIDED**

Questions?

John King

(213) 252-5464 or

[john.king@hacla.org](mailto:john.king@hacla.org)

Spanish Speakers Contact

George Magallanes

(213) 308-4791

[RoseHillCourts@related.com](mailto:RoseHillCourts@related.com)

**RELATED**



**APPENDIX FEIR-3**  
**FACT SHEET**

# ROSE HILL COURTS REDEVELOPMENT FACT SHEET



*HACLA and Related California have been working together since 2015 to examine options for the redevelopment of Rose Hill Courts, a 100-unit public housing project in Northeast Los Angeles. The property is in deteriorated condition and some units remain vacant due to termite damage. In September of 2017, HACLA obtained approval from its Board to examine the option of demolishing all of the existing buildings & creating brand new units in their place. HACLA and Related remain committed to upholding residents' best interests and rights in any future redevelopment of Rose Hill Courts.*

## **PROPOSAL**

HACLA and Related are proposing to demolish the existing 100 units of public housing and replace them with up to 185 units of newly built rental affordable housing. The new units will be built in two phases; Phase I will consist of up to 89 units and is being designed to accommodate all existing residents currently living onsite. Phase II will consist of up to 96 units and will provide new affordable family units.

## **ENVIRONMENTAL REVIEW AND ENTITLEMENTS**

The Draft Environmental Impact Report (DEIR) was released for public review on September 6, 2019 with a public comment period closing on October 21, 2019 at 5:00p.m. The Draft Environmental Impact Statement (DEIS) was released for public review on September 27, 2019 with a public comment period closing on November 12, 2019 at 5:00p.m. The DEIR/DEIS can be found here: [http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4\\_1](http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4_1). Related and HACLA have submitted necessary development entitlement application to the City of Los Angeles on July 27, 2019.

## **FINANCING PHASE**

The development team and HACLA intend to keep all units in the new development affordable and will need to secure multiple sources of funding to support the cost of each phase. These sources can include tax credits, conventional debt, and competitive grants. Typically, this funding is secured after the project is fully designed and entitled and is considered the final step before construction can start.

## **CONSTRUCTION PHASE**

Construction is currently expected to happen in two phases. Phase I will provide all the units necessary to house existing households at Rose Hills and will only require partial demolition of buildings on site. Demolition and construction will take approximately 24 months and is expected to begin in 2021. The development team will secure similar sources of financing for Phase II, since it is also expected to be an affordable housing project and Phase II construction will not start until all current residents have been offered housing in Phase I.

## **QUESTIONS & ANSWERS**

I thought Rose Hill Courts was going to be rehabilitated? Why the switch to new construction?

HACLA and Related conducted research and analysis during 2016 and 2017 to examine the rehabilitation approach and found that this approach would not allow a good portion of our existing families to return to Rose Hill Courts because of restrictive "right sizing" requirements. Our households need more one-bedroom units (at least 25 additional one bedroom units are needed) and these cannot be created through the rehabilitation process. Additionally, almost 50% of our households qualify as senior or disabled and the rehabilitation would not provide for reasonable and compliant handicap access to the units. Lastly, due to the deteriorated condition of the existing buildings the rehabilitation became cost-prohibitive and would not provide the benefits of a new building such as larger units, modern amenities etc.

# ROSE HILL COURTS REDEVELOPMENT FACT SHEET



## I thought Rose Hill Courts was historic? How can it be demolished?

Rose Hill Courts has a historic designation due to the age of the buildings and as an example of early public housing. The environmental review process will consider the historic nature of the property and will examine impacts caused by demolition of the buildings and propose potential mitigation measures. HACLA and Related will engage the residents and local stakeholders to obtain their input on how best to document the history of Rose Hill Courts for future generations.

## Will residents need to be relocated?

Phase I is targeted for a portion of the site that will impact the least amount of current residents. Based on initial design and current vacancies as of October 2018 it is estimated that up to 15 households might be temporarily relocated while Phase 1 is being built. These relocations may be accommodated on-site depending on availability of existing units, at nearby public housing sites or in the local rental market. These households will also be provided with a choice of a Section 8 voucher if they wish to move away permanently. The current plan assumes the remainder of residents will remain onsite in their units while Phase I is being constructed. Once Phase I is completed, the relocated residents and the residents still residing in the older buildings will have the first right to move into one of the new units.

HACLA is in the process of preparing a detailed Relocation Plan, with input from residents and updated studies of household needs will be conducted. HUD regulations ensure that residents, subject to relocation, will be provided relocation counseling, compensation for moving expense and provided with decent, safe and sanitary housing choices.

## What is the possibility that residents get to come back?

Any resident wishing to return to the development will be able to do so.

## I thought the site's zoning didn't allow additional units?

An affordable housing project such as the one proposed is approved under the "Public Benefit Project" section of the Los Angeles Municipal Code. This section allows projects to request densities in excess of the 35% bonus allowed in the "density bonus" section of the LAMC.

## Will the needs of the senior residents be met? What about amenities for families with children?

With new construction, units will be built to be fully accessible and senior-specific amenities and services will be provided. There will be amenities built as part of Phase I, and the final build out includes a new community building and large outdoor play areas.

## Will the residents and neighbors be consulted on the scope and design of the proposed Phase I and II projects?

HACLA and Related want to hear your input. Meetings for Rose Hill Courts residents to provide input and ask questions will continue throughout the process. In addition, meetings with the local community will run in parallel. Please see the contact information below to sign up for regular project updates or go to [www.RHCredevelopment.com](http://www.RHCredevelopment.com)

## Will new homes be affordable?

Yes. All of the units planned for Rose Hill Courts will be affordable. Current residents will move into units with similar rent structures as their current public housing. Additional units beyond the 100 replacement units will be available at a range of extremely-low to low-income households and will remain income restricted.

***If you have any questions or concerns please contact John King, Director, Community Engagement at HACLA at [213.252.5464](tel:213.252.5464) and for Spanish speakers contact George Magallanes at 213-262-0349. Find us on the web at [www.RHCredevelopment.com](http://www.RHCredevelopment.com)***



*HACLA y Related California han estado trabajando juntas desde el 2015 para examinar las opciones de reurbanización de Rose Hill Courts, un proyecto de viviendas públicas de 100 unidades del Noreste de los Ángeles. La propiedad está deteriorada y algunas unidades permanecen vacías debido a daños por termitas. En septiembre del 2017, HACLA obtuvo la aprobación de su Junta para examinar la opción de demoler todos los edificios existentes y crear unidades nuevas en su lugar. HACLA y Related siguen comprometidas a defender los mejores intereses y derechos de los residentes en cualquier futura reurbanización de Rose Hill Courts.*

#### PROPUESTA

HACLA y Related proponen demoler las 100 unidades existentes de vivienda pública y reemplazarlas con un máximo de 185 unidades de vivienda de alquiler asequible de nueva construcción. Las nuevas unidades se construirán en dos fases; la fase I constará de un máximo de 89 unidades y se está diseñando para acomodar a todos los residentes existentes que actualmente viven en el sitio. La fase II comprenderá un máximo de 96 unidades y proporcionará nuevas unidades familiares asequibles.

#### REVISIÓN AMBIENTAL Y DERECHOS

La revisión ambiental del proyecto, conocida como CEQA (Ley de Calidad Ambiental de California) y NEPA (Ley de Política Ambiental Nacional), comenzó oficialmente el 19 de septiembre de 2018 con la publicación del Estudio Inicial y la Evaluación Ambiental. El Borrador del Informe del Impacto al Medio Ambiente (DEIR) fue publicado para revisión pública el 6 de septiembre de 2019 y su período de comentarios públicos se cierra el 21 de octubre de 2019 a las 5:00 p.m. El Borrador de la Declaración del Impacto al Medio Ambiente (DEIS) fue publicado para revisión pública el 27 de septiembre de 2019 y su período de comentarios públicos se cierra el 12 de noviembre de 2019 a las 5:00 p.m. El DEIR/DEIS se encuentra disponible en la siguiente liga: [http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4\\_1](http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4_1). Related y HACLA ya presentaron la solicitud de derechos de urbanización correspondiente a la Ciudad de Los Ángeles el 27 de julio de 2019.

#### FASE DE FINANCIAMIENTO

El equipo de desarrollo y HACLA tienen la intención de asegurar que todas las unidades del nuevo desarrollo sean asequibles y para ello deben conseguir múltiples fuentes de financiamiento para respaldar el costo de cada fase. Estas fuentes pueden incluir créditos fiscales, deudas convencionales y subvenciones competitivas. Por lo general, el financiamiento se asegura cuando el proyecto está completamente diseñado y ha obtenido los derechos pertinentes, y se considera el paso final para dar comienzo a la construcción.

#### FASE DE CONSTRUCCIÓN

Actualmente se espera que la construcción ocurra en dos fases. La fase I proporcionará todas las unidades necesarias para albergar a las familias que residen actualmente en Rose Hills y solo requerirá la demolición parcial de los edificios del sitio. La demolición y la construcción se llevarán aproximadamente 24 meses y se espera que comiencen en el 2020. El equipo de desarrollo obtendrá fuentes de financiamiento similares para la fase II, ya que también se espera que sea un proyecto de vivienda asequible pero la construcción de la fase II no comenzará hasta que todos los residentes actuales hayan recibido oferta de vivienda en la fase I.

#### PREGUNTAS Y RESPUESTAS

Pensé que Rose Hill Courts iba a ser rehabilitado. ¿Por qué cambiar ahora a nueva construcción?

En 2016 y 2017, HACLA y Related llevaron a cabo investigaciones y análisis para examinar el enfoque de rehabilitación pero determinaron que este enfoque no permitiría regresar a Rose Hills Courts a gran parte de las familias existentes por requisitos estrictos de "tamaño correcto". Se necesitan más unidades de una recámara (al menos 25 unidades adicionales de una recámara), y estas no se pueden generar con el proceso de rehabilitación. Además, aproximadamente el 50% de nuestros hogares califican como viviendas para personas de la tercera edad o discapacitadas y la rehabilitación no proporcionaría acceso razonable y adecuado a las unidades para discapacitados. Por último, debido al deterioro de los edificios existentes, la rehabilitación tendría un costo prohibitivo y no proporcionaría beneficios de edificios de nueva construcción tales como unidades más grandes, instalaciones modernas, etc.

Pensé que Rose Hill Courts era edificio histórico. ¿Cómo es que se puede demoler?



Rose Hill Courts se considera edificio histórico debido a la antigüedad de los edificios y es un ejemplo de las primeras viviendas de construcción pública. El proceso de revisión ambiental considerará la naturaleza histórica de la propiedad y examinará el impacto que puede tener la demolición de los edificios y propondrá posibles medidas de mitigación. HACLA y Related preguntarán a los residentes y a las partes interesadas locales para obtener su opinión sobre la mejor manera de documentar la historia de Rose Hill Courts para las generaciones futuras.

### ¿Los residentes tendrán que reubicarse?

La fase I está destinada a la parte del sitio que afectará a la menor cantidad de residentes actuales. Según el diseño inicial y las vacantes actuales con fecha de octubre del 2018, se estima que el máximo de familias que tendría que reubicarse temporalmente mientras se construya la fase 1 es de 15. Estas reubicaciones podrían consistir en traslados dentro del mismo proyecto, si hay unidades disponibles, en sitios de vivienda pública cercanos existentes o en el mercado local de viviendas de alquiler. A estos hogares también se les proporcionará la opción de un vale de Sección 8 si desean mudarse de forma permanente. El plan actual asume que el resto de los residentes permanecerán en sus unidades mientras se construya la fase I. Una vez que se complete la fase I, los residentes reubicados y los residentes que se hayan quedado en los edificios más antiguos serán los primeros con derecho a mudarse a una de las unidades nuevas.

HACLA actualmente está elaborando un Plan de reubicación detallado, considerando la opinión de los residentes y se llevarán a cabo estudios actualizados respecto de las necesidades de las familias. Los reglamentos de HUD garantizan que los residentes que sean sujetos a reubicación recibirán asesoramiento para la reubicación, compensación por gastos de mudanza y se les ofrecerán opciones de vivienda decentes, seguras e higiénicas.

### ¿Cuál es la posibilidad de que los residentes regresen?

Cualquier residente que desee regresar al desarrollo podrá hacerlo.

### ¿Pensaba que la zonificación del sitio no permitía unidades adicionales?

Un proyecto de vivienda asequible, tal como el proyecto propuesto, está aprobado de conformidad con la sección "Proyecto de Beneficio Público" del Código Municipal de Los Ángeles (LAMC). Esta sección permite que se soliciten para los proyectos densidades superiores a la bonificación del 35% permitida en la sección de "bonificación por densidad" del LAMC.

### ¿Se respetarán las necesidades de los residentes de la tercera edad? Y ¿qué va a pasar con las instalaciones para familias con niños?

Con la nueva construcción, se edificarán unidades totalmente accesibles y con instalaciones y servicios específicos para personas de la tercera edad. Se construirán instalaciones en la fase I y el proyecto final incluirá un nuevo edificio comunidad y áreas grandes para jugar al aire libre.

### ¿Se consultará a los residentes y vecinos sobre el alcance y el diseño del plan propuesto para las fases I y II del proyecto?

HACLA y Related quieren escuchar su opinión. A lo largo del proceso, seguirán convocándose reuniones para los residentes de Rose Hill Courts para que puedan expresar su opinión y hacer preguntas. Además, habrá reuniones paralelas para la comunidad local. Por favor, consulte la información de contacto siguiente para suscribirse y recibir información periódica sobre el proyecto, o visite [www.RHCredevelopment.com](http://www.RHCredevelopment.com).

### ¿Las casas nuevas serán asequibles?

Sí. Todas las unidades planificadas para Rose Hill Courts serán asequibles. Los residentes actuales se mudarán a unidades con estructuras de renta similares a su vivienda pública actual. Habrá unidades disponibles adicionales más allá de las 100 unidades de reemplazo para familias de bajos ingresos o extremadamente bajos ingresos y seguirán teniendo límite de ingresos.

***Si tiene alguna pregunta o preocupación, póngase en contacto con John King, Director de participación de la comunidad de HACLA, llamando al 213.252.5464. Las personas que hablen español se pueden poner en contacto con George Magallanes, llamando al 213-262-0349. Puede consultar información en la Web, en la página [www.RHCredevelopment.com](http://www.RHCredevelopment.com)***



*HACLA và Related California đã cùng nhau làm việc từ năm 2015 để xem xét các tùy chọn cho việc tái phát triển Rose Hill Courts, một dự án nhà ở công cộng 100 căn ở vùng Đông Bắc Los Angeles. Khu này đang trong tình trạng xuống cấp và một số căn vẫn còn trống do hư hỏng mỗi một. Vào tháng Chín năm 2017, HACLA đã được sự chấp thuận của Hội Đồng Quản Trị để xem xét lựa chọn phá dỡ tất cả các tòa nhà hiện có & xây các căn hộ mới tại chỗ. HACLA và Related vẫn cam kết duy trì lợi ích và quyền lợi tốt nhất của cư dân đối với việc xây dựng lại Rose Hill Courts trong tương lai.*

## ĐỀ XUẤT

HACLA và Related đang đề xuất phá hủy 100 căn hộ hiện có và thay thế bằng 185 căn hộ mới cho thuê giá rẻ. Các căn hộ mới sẽ được xây dựng theo hai giai đoạn; Giai đoạn I sẽ bao gồm 89 căn hộ và đang được thiết kế để đáp ứng nhu cầu cho tất cả các cư dân hiện tại đang sống ở đó. Giai đoạn II sẽ xây dựng lên đến 96 căn hộ và sẽ cung cấp các căn hộ gia đình mới với giá phải chăng.

## ĐÁNH GIÁ MÔI TRƯỜNG VÀ ĐIỀU KIỆN

Dự án này chính thức bắt đầu quy trình đánh giá môi trường, được tuân tự gọi là CEQA và NEPA, vào ngày 19 tháng Chín, 2018, với sự tiết lộ Sơ Khởi Về Khảo Cứu và Đánh Giá Môi Trường Bản Nháp Trình Ảnh Hưởng Môi Trường (DEIR) đã được tiết lộ để công chúng xét duyệt ngày 6 tháng Chín, 2019 với thời kỳ công chúng đóng góp ý kiến chấm dứt ngày 21 tháng Mười, 2019 lúc 5:00 chiều. Bản Nháp Khảo Định Ảnh Hưởng Môi Trường (DEIS) đã được tiết lộ để công chúng xét duyệt ngày 27 tháng Chín, 2019 với thời kỳ công chúng đóng góp ý kiến chấm dứt ngày 12 tháng Mười Một, 2019 lúc 5:00 chiều. Bản DEIR/DEIS có thể tìm thấy tại [http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4\\_1](http://home.hacla.org/dsprojects/ID/8/Rose-Hill-Courts#item4_1). Related và HACLA đã nộp hồ sơ để xin các giấy phép cần thiết cho dự án phát triển với Thành Phố Los Angeles ngày 27 tháng Bảy, 2019

## GIẢI ĐOẠN TÀI CHÍNH

Nhóm phát triển và HACLA có ý định giữ giá cả phải chăng cho tất cả các căn hộ trong khu phát triển và sẽ cần phải có nhiều nguồn tài trợ để hỗ trợ chi phí cho từng giai đoạn. Những nguồn này có thể bao gồm tín dụng thuế, nợ thông thường và các khoản trợ cấp cạnh tranh. Thông thường, khoản tài trợ này được đảm bảo sau khi dự án được thiết kế đầy đủ và được cấp phép và được coi là bước cuối cùng trước khi có thể bắt đầu xây dựng.

## GIẢI ĐOẠN XÂY DỰNG

Việc xây dựng dự kiến sẽ tiến hành theo hai giai đoạn. Giai đoạn I sẽ cung cấp số căn hộ cần thiết cho tất cả các hộ gia đình hiện sống tại Rose Hills và sẽ chỉ cần phá bỏ một phần các tòa nhà hiện hữu. Việc phá dỡ và xây dựng sẽ kéo dài khoảng 24 tháng và dự kiến bắt đầu vào năm 2020. Nhóm phát triển sẽ đảm bảo các nguồn tài chính tương tự cho Giai Đoạn II, vì dự án này cũng dự kiến sẽ là một dự án nhà ở giá rẻ và xây dựng Giai Đoạn II sẽ bắt đầu cho đến khi tất cả các hộ gia đình hiện tại đã được cung cấp nhà ở trong Giai Đoạn I.

## HỎI & ĐÁP

Tôi nghĩ Rose Hill Courts sẽ được khôi phục? Tại sao chuyển sang xây dựng mới?

HACLA và Related đã tiến hành nghiên cứu và phân tích trong giai đoạn 2016 và 2017 để kiểm tra phương pháp tiếp cận việc khôi phục và nhận thấy rằng cách tiếp cận này sẽ không cho phép một phần lớn gia đình hiện tại trở lại Rose Hill Courts vì những yêu cầu hạn chế về "kích thước căn hộ phù hợp". Các hộ gia đình cần nhiều căn hộ một phòng ngủ hơn (ít nhất cần 25 căn hộ một phòng ngủ) và không thể tạo ra những căn hộ này thông qua quá trình khôi phục. Ngoài ra, gần 50% số hộ gia đình đủ điều kiện là cao niên hoặc người khuyết tật và việc khôi phục sẽ không cung cấp nhà ở cho người khuyết tật hợp lý và phù hợp theo luật. Cuối cùng, do tình trạng xuống cấp của các tòa nhà hiện tại, việc khôi phục trở nên tốn kém và không mang lại lợi ích khi xây mới như các căn hộ lớn hơn, tiện nghi hiện đại v.v...

Tôi nghĩ Rose Hill Courts là khu nhà mang tính lịch sử? Làm sao có thể phá khu nhà này?



Rose Hill Courts được chỉ định là khu nhà mang tính lịch sử do tuổi của khu nhà và là ví dụ về nhà ở công cộng từ rất xưa. Quá trình đánh giá môi trường sẽ xem xét bản chất lịch sử của khu nhà và sẽ kiểm tra tác động do phá bỏ các tòa nhà và đề xuất các biện pháp giảm nhẹ tiềm năng. HACLA and Related sẽ thu hút sự quan tâm của cư dân và các cổ đông ở địa phương để có được ý kiến của họ về cách tốt nhất để ghi lại lịch sử của khu nhà Rose Hill Courts cho các thế hệ tương lai.

#### Cư dân sẽ cần phải di dời?

Giai đoạn I được nhắm mục tiêu làm một phần chỉ ảnh hưởng ít nhất đến cư dân hiện tại. Theo thiết kế ban đầu và các căn hộ trống hiện tại tính đến tháng Mười, 2018, ước tính có thể sẽ tạm thời tái định cư tới 15 hộ gia đình trong khi Giai Đoạn 1 đang được xây dựng. Việc di dời này có thể được cung cấp tại chỗ tùy theo tình trạng sẵn có của các căn hộ hiện tại, tại các khu nhà ở công cộng gần đó hoặc trong thị trường cho thuê địa phương. Các hộ gia đình này cũng sẽ được cung cấp lựa chọn nhận voucher của Section 8 nếu họ muốn di dời vĩnh viễn. Kế hoạch hiện tại giả định số cư dân còn lại sẽ vẫn ở trong các căn hộ của họ trong khi Giai Đoạn I đang được xây dựng. Khi Giai Đoạn I hoàn tất, các cư dân tái định cư và những cư dân vẫn đang ở trong những tòa nhà cũ sẽ có quyền ưu tiên chuyển sang một trong những căn hộ mới.

HACLA đang sửa soạn một Kế Hoạch Tái Định Cư chi tiết, với những ý kiến đóng góp của cư dân và tiến hành cập nhật các nghiên cứu về nhu cầu của các hộ gia đình. Các quy định của HUD để đảm bảo rằng cư dân, nếu phải di dời, sẽ được cung cấp tư vấn tái định cư, đền bù cho chi phí di dời và được cung cấp các lựa chọn nhà ở hợp lý, an toàn và vệ sinh.

#### Khả năng cư dân có thể trở lại ra sao?

Bất kỳ cư dân nào muốn trở lại khu phát triển nhà cũng sẽ có thể làm như vậy.

#### Tôi nghĩ rằng phân vùng của khu nhà không cho phép xây thêm các căn hộ?

Một dự án nhà ở giá rẻ, như là dự án được đề nghị, được chấp thuận chiếu theo đoạn " Dự Án cho Công Chúng" của Điều Luật Thành Phố Los Angeles theo đó các dự án có thể yêu cầu Mật Độ Dân quá 35% Mật Độ Dân Thêm trong đoạn " Mật Độ Dân Thêm" của Điều Luật Thành Phố Los Angeles (LAMC)

#### Có thể đáp ứng nhu cầu của cư dân cao niên không? Còn về tiện nghi cho các gia đình có con ra sao?

Với việc xây dựng mới, các căn hộ sẽ được xây dựng để có tiện nghi và dịch vụ đầy đủ cho các vị cao niên. Sẽ có các tiện nghi được xây dựng như một phần của Giai Đoạn I, và dự án xây dựng cuối cùng bao gồm một tòa nhà cộng đồng mới và các khu vực vui chơi ngoài trời lớn.

#### Các cư dân và khu xóm giềng có được tư vấn về phạm vi và thiết kế dự án Giai Đoạn I và II không?

HACLA và Related muốn nghe ý kiến của quý vị. Sẽ tiếp tục có các cuộc họp của cư dân Rose Hill Courts để xin ý kiến và nghe câu hỏi trong suốt quy trình. Ngoài ra, cùng lúc đó sẽ có các cuộc họp với cộng đồng địa phương, bắt đầu từ năm 2018. Vui lòng xem thông tin liên lạc dưới đây để đăng ký thường xuyên nhận bản tin cập nhật hoặc vào trang mạng [www.RHCredevelopment.com](http://www.RHCredevelopment.com)

#### Các căn nhà mới có giá phải chăng không?

Đúng vậy. Tất cả các căn hộ dự định cho Rose Hill Courts sẽ có giá cả phải chăng. Cư dân hiện tại sẽ chuyển vào các căn hộ với cấu trúc giá thuê tương tự như nhà ở công cộng hiện tại của họ. Các căn hộ khác ngoài 100 căn hộ thay thế sẽ có sẵn cho các hộ gia đình có lợi tức thấp đến cực thấp và vẫn theo tiêu chuẩn hạn hẹp về lợi tức.

**Nếu quý vị có bất kỳ thắc mắc hoặc lo ngại nào xin vui lòng liên lạc với John King, Giám Đốc, Tham Gia của Cộng Đồng tại HACLA theo số [213.252.5464](tel:213.252.5464) và những người nói tiếng Tây Ban Nha, xin liên lạc với George Magallanes theo số 213-262-0349. Xin ghé thăm trang mạng của chúng tôi tại: [www.RHCredevelopment.com](http://www.RHCredevelopment.com)**

**APPENDIX FEIR-4**  
**OPEN HOUSE PHOTOS**




# Photos from Rose Hill Courts Open House October 8, 2019




## SUSTAINABLE TRANSPORTATION INFRASTRUCTURE

What would address your transportation needs the most?  
Please rank your top 3.




3
2
1

**BIKE LANE**




4
3
2
1

**CROSS WALK**




3
2
1

**BUS SHELTERS**




4
3
2
1

**RIDE SHARING**



4
3
2
1

**STREET LIGHT**





**APPENDIX FEIR-5**  
**OPEN HOUSE SUMMARY MEMO 10/8/2019**



## MEMORANDUM

**DATE:** October 19, 2019  
**TO:** Rose Olson, SVP  
**FROM:** Jennifer Ing-aram, PM  
**SUBJECT:** Rose Hill Courts – Open House Summary 10/8/2019

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**Event Date and Time:**

October 8, 2019 from 6:00pm to 8:00pm

**Event Location:**

Rose Hill Recreation Center  
4530 Mercury Ave.  
Los Angeles, CA 90032

**Team Members Present:**

Dhiraj Narayan, HACLA  
Rose Olson, Related  
Barry Kyler, Related  
Jennifer Ing-aram, Related  
Mauricio Munoz, Withee Malcolm Architects  
Vy Nguyen, Withee Malcolm Architects  
Hector Baeza, Site Design Studio  
Kevin Rodin, CDRG  
Margaret Partridge, UltraSystems  
Billye Breckinridge, UltraSystems  
George Magallanes, Politico

**Audience:**

There were a total of 34 attendees, most of which are from the Rose Hill Courts development.

**Materials Displayed:**

Boards displayed included:

- One updated rendering of Phase 1
- One updated rendering of Phase 2
- Unit floor plan
- Landscape site plan
- Landscape Concept Imagery and Planting Sections
- Sustainable Transportation Infrastructure (STI)
- Draft Environmental Impact Report (DEIR) Impact and Mitigations

**Summary:**

Outreach efforts included:

- E-mail blasts to individuals on Stakeholders list
- Door-to-door distribution to Rose Hill Courts' residents
- Publication in Council District 14's newsletter

For the layout of the Open House, there were various stations around the room with team members manning the stations. Station A included rendering boards and unit floor plans, Station B included landscape site plan and landscape concept imagery and planting sections board, Station C included the STI board and surveys relating to transportation infrastructure, and Station D including two boards showing the DEIR impact and mitigations. Attendees had the opportunity to visit the various stations and ask questions.

Spanish and Vietnamese translators were available.

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**APPENDIX FEIR-6**  
**SUPPLEMENTAL AIR EMISSIONS MODELING DATA**

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Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**Rose Hill Court - Construction Phase 1 Nov Rev**  
**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	89.00	Dwelling Unit	5.56	89,000.00	255

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2025
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - Lot acreage for Phase 1 is 1.79 and building square footage is 100,000

Construction Phase - Project Phase 1 expected to take 18 months

Off-road Equipment - Removal of soil will be targeted

Trips and VMT - Nearest landfill to accept asbestos is Azusa Land Reclamation

Nearest landfill to accept hazardous substances is Kettleman

Demolition -

Grading - Estimated area of potential contamination

Woodstoves - No hearth or fireplaces

Construction Off-road Equipment Mitigation -

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	14.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	230.00	268.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	16.00
tblFireplaces	NumberGas	75.65	0.00
tblFireplaces	NumberNoFireplace	8.90	89.00
tblFireplaces	NumberWood	4.45	0.00
tblGrading	AcresOfGrading	2.63	10.00
tblGrading	AcresOfGrading	0.00	5.56
tblGrading	MaterialExported	0.00	1,100.00
tblGrading	MaterialImported	0.00	1,100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00



## Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	75.00
tblTripsAndVMT	HaulingTripNumber	275.00	55.00
tblWoodstoves	NumberCatalytic	4.45	0.00
tblWoodstoves	NumberNoncatalytic	4.45	0.00

## 2.0 Emissions Summary

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Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**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	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377
Energy	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
Mobile	0.9472	4.1039	12.8106	0.0521	4.6294	0.0383	4.6677	1.2386	0.0356	1.2742		5,314.1550	5,314.1550	0.2397		5,320.1470
<b>Total</b>	<b>3.1252</b>	<b>4.5555</b>	<b>20.3025</b>	<b>0.0548</b>	<b>4.6294</b>	<b>0.1087</b>	<b>4.7381</b>	<b>1.2386</b>	<b>0.1060</b>	<b>1.3446</b>	<b>0.0000</b>	<b>5,796.1076</b>	<b>5,796.1076</b>	<b>0.2613</b>	<b>8.5900e-003</b>	<b>5,805.2016</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	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377
Energy	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
Mobile	0.9472	4.1039	12.8106	0.0521	4.6294	0.0383	4.6677	1.2386	0.0356	1.2742		5,314.1550	5,314.1550	0.2397		5,320.1470
<b>Total</b>	<b>3.1252</b>	<b>4.5555</b>	<b>20.3025</b>	<b>0.0548</b>	<b>4.6294</b>	<b>0.1087</b>	<b>4.7381</b>	<b>1.2386</b>	<b>0.1060</b>	<b>1.3446</b>	<b>0.0000</b>	<b>5,796.1076</b>	<b>5,796.1076</b>	<b>0.2613</b>	<b>8.5900e-003</b>	<b>5,805.2016</b>

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	ROG	NOx	CO	SO2	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	3/1/2021	6/30/2021	5	88	
2	Lead Contamination Removal	Site Preparation	7/1/2021	7/20/2021	5	14	
3	Grading	Grading	7/21/2021	7/29/2021	5	7	
4	Building Construction	Building Construction	7/30/2021	8/9/2022	5	268	
5	Paving	Paving	8/10/2022	8/30/2022	5	15	
6	Architectural Coating	Architectural Coating	9/1/2022	9/22/2022	5	16	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 180,225; Residential Outdoor: 60,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Lead Contamination Removal	Rubber Tired Dozers	1	8.00	247	0.40
Lead Contamination Removal	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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**

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

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	8	20.00	0.00	112.00	14.70	6.90	23.00	LD_Mix	HDT_Mix	HHDT
Lead Contamination Removal	3	8.00	0.00	55.00	14.70	6.90	75.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	64.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2753	0.0000	0.2753	0.0417	0.0000	0.0417			0.0000			0.0000
Off-Road	2.6806	26.1568	24.3080	0.0396		1.3542	1.3542		1.2597	1.2597		3,823.2930	3,823.2930	1.0793		3,850.2746
<b>Total</b>	<b>2.6806</b>	<b>26.1568</b>	<b>24.3080</b>	<b>0.0396</b>	<b>0.2753</b>	<b>1.3542</b>	<b>1.6295</b>	<b>0.0417</b>	<b>1.2597</b>	<b>1.3014</b>		<b>3,823.2930</b>	<b>3,823.2930</b>	<b>1.0793</b>		<b>3,850.2746</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.2 Demolition - 2021**

**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	0.0119	0.3748	0.0899	1.1200e-003	0.0256	1.2000e-003	0.0268	7.0100e-003	1.1500e-003	8.1600e-003		121.7066	121.7066	8.1100e-003		121.9093
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
<b>Total</b>	<b>0.0976</b>	<b>0.4338</b>	<b>0.8954</b>	<b>3.4100e-003</b>	<b>0.2491</b>	<b>3.0100e-003</b>	<b>0.2522</b>	<b>0.0663</b>	<b>2.8100e-003</b>	<b>0.0691</b>		<b>349.4605</b>	<b>349.4605</b>	<b>0.0148</b>		<b>349.8311</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1074	0.0000	0.1074	0.0163	0.0000	0.0163			0.0000			0.0000
Off-Road	2.6806	26.1568	24.3080	0.0396		1.3542	1.3542		1.2597	1.2597	0.0000	3,823.2930	3,823.2930	1.0793		3,850.2746
<b>Total</b>	<b>2.6806</b>	<b>26.1568</b>	<b>24.3080</b>	<b>0.0396</b>	<b>0.1074</b>	<b>1.3542</b>	<b>1.4616</b>	<b>0.0163</b>	<b>1.2597</b>	<b>1.2760</b>	<b>0.0000</b>	<b>3,823.2930</b>	<b>3,823.2930</b>	<b>1.0793</b>		<b>3,850.2746</b>

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**3.2 Demolition - 2021**

**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	0.0119	0.3748	0.0899	1.1200e-003	0.0256	1.2000e-003	0.0268	7.0100e-003	1.1500e-003	8.1600e-003		121.7066	121.7066	8.1100e-003		121.9093
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0857	0.0589	0.8056	2.2900e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		227.7540	227.7540	6.7100e-003		227.9217
<b>Total</b>	<b>0.0976</b>	<b>0.4338</b>	<b>0.8954</b>	<b>3.4100e-003</b>	<b>0.2491</b>	<b>3.0100e-003</b>	<b>0.2522</b>	<b>0.0663</b>	<b>2.8100e-003</b>	<b>0.0691</b>		<b>349.4605</b>	<b>349.4605</b>	<b>0.0148</b>		<b>349.8311</b>

**3.3 Lead Contamination Removal - 2021**

**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					6.4610	0.0000	6.4610	3.3584	0.0000	3.3584			0.0000			0.0000
Off-Road	1.4209	14.7629	8.5583	0.0147		0.7560	0.7560		0.6955	0.6955		1,429.1523	1,429.1523	0.4622		1,440.7078
<b>Total</b>	<b>1.4209</b>	<b>14.7629</b>	<b>8.5583</b>	<b>0.0147</b>	<b>6.4610</b>	<b>0.7560</b>	<b>7.2170</b>	<b>3.3584</b>	<b>0.6955</b>	<b>4.0539</b>		<b>1,429.1523</b>	<b>1,429.1523</b>	<b>0.4622</b>		<b>1,440.7078</b>



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**3.3 Lead Contamination Removal - 2021**

**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	0.1057	2.9450	0.8027	0.0104	0.2574	0.0117	0.2691	0.0705	0.0112	0.0818		1,123.4945	1,123.4945	0.0678		1,125.1897
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0343	0.0236	0.3222	9.1000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		91.1016	91.1016	2.6800e-003		91.1687
<b>Total</b>	<b>0.1400</b>	<b>2.9686</b>	<b>1.1249</b>	<b>0.0113</b>	<b>0.3468</b>	<b>0.0125</b>	<b>0.3593</b>	<b>0.0942</b>	<b>0.0119</b>	<b>0.1061</b>		<b>1,214.5961</b>	<b>1,214.5961</b>	<b>0.0705</b>		<b>1,216.3584</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5198	0.0000	2.5198	1.3098	0.0000	1.3098			0.0000			0.0000
Off-Road	1.4209	14.7629	8.5583	0.0147		0.7560	0.7560		0.6955	0.6955	0.0000	1,429.1523	1,429.1523	0.4622		1,440.7078
<b>Total</b>	<b>1.4209</b>	<b>14.7629</b>	<b>8.5583</b>	<b>0.0147</b>	<b>2.5198</b>	<b>0.7560</b>	<b>3.2758</b>	<b>1.3098</b>	<b>0.6955</b>	<b>2.0053</b>	<b>0.0000</b>	<b>1,429.1523</b>	<b>1,429.1523</b>	<b>0.4622</b>		<b>1,440.7078</b>

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**3.3 Lead Contamination Removal - 2021**

**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	0.1057	2.9450	0.8027	0.0104	0.2574	0.0117	0.2691	0.0705	0.0112	0.0818		1,123.4945	1,123.4945	0.0678		1,125.1897
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0343	0.0236	0.3222	9.1000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		91.1016	91.1016	2.6800e-003		91.1687
<b>Total</b>	<b>0.1400</b>	<b>2.9686</b>	<b>1.1249</b>	<b>0.0113</b>	<b>0.3468</b>	<b>0.0125</b>	<b>0.3593</b>	<b>0.0942</b>	<b>0.0119</b>	<b>0.1061</b>		<b>1,214.5961</b>	<b>1,214.5961</b>	<b>0.0705</b>		<b>1,216.3584</b>

**3.4 Grading - 2021**

**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					6.0316	0.0000	6.0316	2.6463	0.0000	2.6463			0.0000			0.0000
Off-Road	1.5176	16.4841	9.6032	0.0193		0.7424	0.7424		0.6830	0.6830		1,865.2568	1,865.2568	0.6033		1,880.3383
<b>Total</b>	<b>1.5176</b>	<b>16.4841</b>	<b>9.6032</b>	<b>0.0193</b>	<b>6.0316</b>	<b>0.7424</b>	<b>6.7739</b>	<b>2.6463</b>	<b>0.6830</b>	<b>3.3292</b>		<b>1,865.2568</b>	<b>1,865.2568</b>	<b>0.6033</b>		<b>1,880.3383</b>

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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.0429</b>	<b>0.0295</b>	<b>0.4028</b>	<b>1.1400e-003</b>	<b>0.1118</b>	<b>9.0000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.3000e-004</b>	<b>0.0305</b>		<b>113.8770</b>	<b>113.8770</b>	<b>3.3600e-003</b>		<b>113.9609</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3523	0.0000	2.3523	1.0320	0.0000	1.0320			0.0000			0.0000
Off-Road	1.5176	16.4841	9.6032	0.0193		0.7424	0.7424		0.6830	0.6830	0.0000	1,865.2568	1,865.2568	0.6033		1,880.3383
<b>Total</b>	<b>1.5176</b>	<b>16.4841</b>	<b>9.6032</b>	<b>0.0193</b>	<b>2.3523</b>	<b>0.7424</b>	<b>3.0947</b>	<b>1.0320</b>	<b>0.6830</b>	<b>1.7150</b>	<b>0.0000</b>	<b>1,865.2568</b>	<b>1,865.2568</b>	<b>0.6033</b>		<b>1,880.3383</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0429	0.0295	0.4028	1.1400e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		113.8770	113.8770	3.3600e-003		113.9609
<b>Total</b>	<b>0.0429</b>	<b>0.0295</b>	<b>0.4028</b>	<b>1.1400e-003</b>	<b>0.1118</b>	<b>9.0000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.3000e-004</b>	<b>0.0305</b>		<b>113.8770</b>	<b>113.8770</b>	<b>3.3600e-003</b>		<b>113.9609</b>

**3.5 Building Construction - 2021**

**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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
<b>Total</b>	<b>1.8125</b>	<b>13.6361</b>	<b>12.8994</b>	<b>0.0221</b>		<b>0.6843</b>	<b>0.6843</b>		<b>0.6608</b>	<b>0.6608</b>		<b>2,001.2200</b>	<b>2,001.2200</b>	<b>0.3573</b>		<b>2,010.1517</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203		274.8806	274.8806	0.0162		275.2855
Worker	0.2743	0.1886	2.5778	7.3200e-003	0.7154	5.7800e-003	0.7212	0.1897	5.3200e-003	0.1950		728.8127	728.8127	0.0215		729.3496
<b>Total</b>	<b>0.3047</b>	<b>1.1595</b>	<b>2.8316</b>	<b>9.8900e-003</b>	<b>0.7794</b>	<b>7.7700e-003</b>	<b>0.7872</b>	<b>0.2082</b>	<b>7.2200e-003</b>	<b>0.2154</b>		<b>1,003.6933</b>	<b>1,003.6933</b>	<b>0.0377</b>		<b>1,004.6351</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
<b>Total</b>	<b>1.8125</b>	<b>13.6361</b>	<b>12.8994</b>	<b>0.0221</b>		<b>0.6843</b>	<b>0.6843</b>		<b>0.6608</b>	<b>0.6608</b>	<b>0.0000</b>	<b>2,001.2200</b>	<b>2,001.2200</b>	<b>0.3573</b>		<b>2,010.1517</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0304	0.9709	0.2538	2.5700e-003	0.0640	1.9900e-003	0.0660	0.0184	1.9000e-003	0.0203		274.8806	274.8806	0.0162		275.2855
Worker	0.2743	0.1886	2.5778	7.3200e-003	0.7154	5.7800e-003	0.7212	0.1897	5.3200e-003	0.1950		728.8127	728.8127	0.0215		729.3496
<b>Total</b>	<b>0.3047</b>	<b>1.1595</b>	<b>2.8316</b>	<b>9.8900e-003</b>	<b>0.7794</b>	<b>7.7700e-003</b>	<b>0.7872</b>	<b>0.2082</b>	<b>7.2200e-003</b>	<b>0.2154</b>		<b>1,003.6933</b>	<b>1,003.6933</b>	<b>0.0377</b>		<b>1,004.6351</b>

**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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>1.6487</b>	<b>12.5031</b>	<b>12.7264</b>	<b>0.0221</b>		<b>0.5889</b>	<b>0.5889</b>		<b>0.5689</b>	<b>0.5689</b>		<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201		272.4859	272.4859	0.0156		272.8768
Worker	0.2570	0.1703	2.3783	7.0600e-003	0.7154	5.6000e-003	0.7210	0.1897	5.1600e-003	0.1949		703.1759	703.1759	0.0194		703.6611
<b>Total</b>	<b>0.2855</b>	<b>1.0936</b>	<b>2.6184</b>	<b>9.6100e-003</b>	<b>0.7794</b>	<b>7.3400e-003</b>	<b>0.7867</b>	<b>0.2082</b>	<b>6.8200e-003</b>	<b>0.2150</b>		<b>975.6618</b>	<b>975.6618</b>	<b>0.0351</b>		<b>976.5379</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>1.6487</b>	<b>12.5031</b>	<b>12.7264</b>	<b>0.0221</b>		<b>0.5889</b>	<b>0.5889</b>		<b>0.5689</b>	<b>0.5689</b>	<b>0.0000</b>	<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0285	0.9233	0.2402	2.5500e-003	0.0640	1.7400e-003	0.0658	0.0184	1.6600e-003	0.0201		272.4859	272.4859	0.0156		272.8768
Worker	0.2570	0.1703	2.3783	7.0600e-003	0.7154	5.6000e-003	0.7210	0.1897	5.1600e-003	0.1949		703.1759	703.1759	0.0194		703.6611
<b>Total</b>	<b>0.2855</b>	<b>1.0936</b>	<b>2.6184</b>	<b>9.6100e-003</b>	<b>0.7794</b>	<b>7.3400e-003</b>	<b>0.7867</b>	<b>0.2082</b>	<b>6.8200e-003</b>	<b>0.2150</b>		<b>975.6618</b>	<b>975.6618</b>	<b>0.0351</b>		<b>976.5379</b>

**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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6877</b>	<b>6.7738</b>	<b>8.8060</b>	<b>0.0135</b>		<b>0.3474</b>	<b>0.3474</b>		<b>0.3205</b>	<b>0.3205</b>		<b>1,297.3789</b>	<b>1,297.3789</b>	<b>0.4113</b>		<b>1,307.6608</b>



Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
<b>Total</b>	<b>0.0522</b>	<b>0.0346</b>	<b>0.4831</b>	<b>1.4300e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>142.8326</b>	<b>142.8326</b>	<b>3.9400e-003</b>		<b>142.9312</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6877</b>	<b>6.7738</b>	<b>8.8060</b>	<b>0.0135</b>		<b>0.3474</b>	<b>0.3474</b>		<b>0.3205</b>	<b>0.3205</b>	<b>0.0000</b>	<b>1,297.3789</b>	<b>1,297.3789</b>	<b>0.4113</b>		<b>1,307.6608</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
<b>Total</b>	<b>0.0522</b>	<b>0.0346</b>	<b>0.4831</b>	<b>1.4300e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>142.8326</b>	<b>142.8326</b>	<b>3.9400e-003</b>		<b>142.9312</b>

**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	34.8060					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>35.0105</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>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
<b>Total</b>	<b>0.0522</b>	<b>0.0346</b>	<b>0.4831</b>	<b>1.4300e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>142.8326</b>	<b>142.8326</b>	<b>3.9400e-003</b>		<b>142.9312</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.8060					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>35.0105</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>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0522	0.0346	0.4831	1.4300e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		142.8326	142.8326	3.9400e-003		142.9312
<b>Total</b>	<b>0.0522</b>	<b>0.0346</b>	<b>0.4831</b>	<b>1.4300e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>142.8326</b>	<b>142.8326</b>	<b>3.9400e-003</b>		<b>142.9312</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9472	4.1039	12.8106	0.0521	4.6294	0.0383	4.6677	1.2386	0.0356	1.2742		5,314.1550	5,314.1550	0.2397		5,320.1470
Unmitigated	0.9472	4.1039	12.8106	0.0521	4.6294	0.0383	4.6677	1.2386	0.0356	1.2742		5,314.1550	5,314.1550	0.2397		5,320.1470

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	586.51	637.24	540.23	2,006,366	2,006,366
Total	586.51	637.24	540.23	2,006,366	2,006,366

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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**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	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
NaturalGas Unmitigated	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170

**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	3984.22	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
<b>Total</b>		<b>0.0430</b>	<b>0.3672</b>	<b>0.1562</b>	<b>2.3400e-003</b>		<b>0.0297</b>	<b>0.0297</b>		<b>0.0297</b>	<b>0.0297</b>		<b>468.7315</b>	<b>468.7315</b>	<b>8.9800e-003</b>	<b>8.5900e-003</b>	<b>471.5170</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**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					
Apartments Low Rise	3.98422	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
<b>Total</b>		<b>0.0430</b>	<b>0.3672</b>	<b>0.1562</b>	<b>2.3400e-003</b>		<b>0.0297</b>	<b>0.0297</b>		<b>0.0297</b>	<b>0.0297</b>		<b>468.7315</b>	<b>468.7315</b>	<b>8.9800e-003</b>	<b>8.5900e-003</b>	<b>471.5170</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	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377
Unmitigated	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**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	0.1526					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	1.7622					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.2203	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407		13.2212	13.2212	0.0127			13.5377
<b>Total</b>	<b>2.1350</b>	<b>0.0845</b>	<b>7.3357</b>	<b>3.9000e-004</b>		<b>0.0407</b>	<b>0.0407</b>		<b>0.0407</b>	<b>0.0407</b>	<b>0.0000</b>	<b>13.2212</b>	<b>13.2212</b>	<b>0.0127</b>	<b>0.0000</b>		<b>13.5377</b>



Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**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	0.1526					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2203	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407		13.2212	13.2212	0.0127		13.5377
<b>Total</b>	<b>2.1350</b>	<b>0.0845</b>	<b>7.3357</b>	<b>3.9000e-004</b>		<b>0.0407</b>	<b>0.0407</b>		<b>0.0407</b>	<b>0.0407</b>	<b>0.0000</b>	<b>13.2212</b>	<b>13.2212</b>	<b>0.0127</b>	<b>0.0000</b>	<b>13.5377</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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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Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Summer

**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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Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

**Rose Hill Court - Construction Phase 1 Nov Rev**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	89.00	Dwelling Unit	5.56	89,000.00	255

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2025
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - Lot acreage for Phase 1 is 1.79 and building square footage is 100,000

Construction Phase - Project Phase 1 expected to take 18 months

Off-road Equipment - Removal of soil will be targeted

Trips and VMT - Nearest landfill to accept asbestos is Azusa Land Reclamation

Nearest landfill to accept hazardous substances is Kettleman

Demolition -

Grading - Estimated area of potential contamination

Woodstoves - No hearth or fireplaces

Construction Off-road Equipment Mitigation -

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	14.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	230.00	268.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	16.00
tblFireplaces	NumberGas	75.65	0.00
tblFireplaces	NumberNoFireplace	8.90	89.00
tblFireplaces	NumberWood	4.45	0.00
tblGrading	AcresOfGrading	2.63	10.00
tblGrading	AcresOfGrading	0.00	5.56
tblGrading	MaterialExported	0.00	1,100.00
tblGrading	MaterialImported	0.00	1,100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00

## Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	75.00
tblTripsAndVMT	HaulingTripNumber	275.00	55.00
tblWoodstoves	NumberCatalytic	4.45	0.00
tblWoodstoves	NumberNoncatalytic	4.45	0.00

## 2.0 Emissions Summary

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Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

**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	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377
Energy	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
Mobile	0.9174	4.1967	12.1143	0.0496	4.6294	0.0384	4.6678	1.2386	0.0357	1.2743		5,063.1235	5,063.1235	0.2390		5,069.0989
<b>Total</b>	<b>3.0954</b>	<b>4.6483</b>	<b>19.6062</b>	<b>0.0523</b>	<b>4.6294</b>	<b>0.1088</b>	<b>4.7382</b>	<b>1.2386</b>	<b>0.1061</b>	<b>1.3447</b>	<b>0.0000</b>	<b>5,545.0761</b>	<b>5,545.0761</b>	<b>0.2607</b>	<b>8.5900e-003</b>	<b>5,554.1536</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	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377
Energy	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
Mobile	0.9174	4.1967	12.1143	0.0496	4.6294	0.0384	4.6678	1.2386	0.0357	1.2743		5,063.1235	5,063.1235	0.2390		5,069.0989
<b>Total</b>	<b>3.0954</b>	<b>4.6483</b>	<b>19.6062</b>	<b>0.0523</b>	<b>4.6294</b>	<b>0.1088</b>	<b>4.7382</b>	<b>1.2386</b>	<b>0.1061</b>	<b>1.3447</b>	<b>0.0000</b>	<b>5,545.0761</b>	<b>5,545.0761</b>	<b>0.2607</b>	<b>8.5900e-003</b>	<b>5,554.1536</b>

## Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	6/30/2021	5	88	
2	Lead Contamination Removal	Site Preparation	7/1/2021	7/20/2021	5	14	
3	Grading	Grading	7/21/2021	7/29/2021	5	7	
4	Building Construction	Building Construction	7/30/2021	8/9/2022	5	268	
5	Paving	Paving	8/10/2022	8/30/2022	5	15	
6	Architectural Coating	Architectural Coating	9/1/2022	9/22/2022	5	16	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 180,225; Residential Outdoor: 60,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment



## Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Lead Contamination Removal	Rubber Tired Dozers	1	8.00	247	0.40
Lead Contamination Removal	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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**

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

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	8	20.00	0.00	112.00	14.70	6.90	23.00	LD_Mix	HDT_Mix	HHDT
Lead Contamination Removal	3	8.00	0.00	55.00	14.70	6.90	75.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	64.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.2753	0.0000	0.2753	0.0417	0.0000	0.0417			0.0000			0.0000
Off-Road	2.6806	26.1568	24.3080	0.0396		1.3542	1.3542		1.2597	1.2597		3,823.2930	3,823.2930	1.0793		3,850.2746
<b>Total</b>	<b>2.6806</b>	<b>26.1568</b>	<b>24.3080</b>	<b>0.0396</b>	<b>0.2753</b>	<b>1.3542</b>	<b>1.6295</b>	<b>0.0417</b>	<b>1.2597</b>	<b>1.3014</b>		<b>3,823.2930</b>	<b>3,823.2930</b>	<b>1.0793</b>		<b>3,850.2746</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2021**

**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	0.0122	0.3803	0.0946	1.1000e-003	0.0256	1.2100e-003	0.0268	7.0100e-003	1.1600e-003	8.1800e-003		119.8403	119.8403	8.3700e-003		120.0495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
<b>Total</b>	<b>0.1075</b>	<b>0.4455</b>	<b>0.8311</b>	<b>3.2500e-003</b>	<b>0.2491</b>	<b>3.0200e-003</b>	<b>0.2522</b>	<b>0.0663</b>	<b>2.8200e-003</b>	<b>0.0691</b>		<b>334.2906</b>	<b>334.2906</b>	<b>0.0147</b>		<b>334.6575</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.1074	0.0000	0.1074	0.0163	0.0000	0.0163			0.0000			0.0000
Off-Road	2.6806	26.1568	24.3080	0.0396		1.3542	1.3542		1.2597	1.2597	0.0000	3,823.2930	3,823.2930	1.0793		3,850.2746
<b>Total</b>	<b>2.6806</b>	<b>26.1568</b>	<b>24.3080</b>	<b>0.0396</b>	<b>0.1074</b>	<b>1.3542</b>	<b>1.4616</b>	<b>0.0163</b>	<b>1.2597</b>	<b>1.2760</b>	<b>0.0000</b>	<b>3,823.2930</b>	<b>3,823.2930</b>	<b>1.0793</b>		<b>3,850.2746</b>

Rose Hill Court - Construction Phase 1 Nov Rev - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2021**

**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	0.0122	0.3803	0.0946	1.1000e-003	0.0256	1.2100e-003	0.0268	7.0100e-003	1.1600e-003	8.1800e-003		119.8403	119.8403	8.3700e-003		120.0495
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0954	0.0652	0.7365	2.1500e-003	0.2236	1.8100e-003	0.2254	0.0593	1.6600e-003	0.0610		214.4502	214.4502	6.3100e-003		214.6080
<b>Total</b>	<b>0.1075</b>	<b>0.4455</b>	<b>0.8311</b>	<b>3.2500e-003</b>	<b>0.2491</b>	<b>3.0200e-003</b>	<b>0.2522</b>	<b>0.0663</b>	<b>2.8200e-003</b>	<b>0.0691</b>		<b>334.2906</b>	<b>334.2906</b>	<b>0.0147</b>		<b>334.6575</b>

**3.3 Lead Contamination Removal - 2021**

**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					6.4610	0.0000	6.4610	3.3584	0.0000	3.3584			0.0000			0.0000
Off-Road	1.4209	14.7629	8.5583	0.0147		0.7560	0.7560		0.6955	0.6955		1,429.1523	1,429.1523	0.4622		1,440.7078
<b>Total</b>	<b>1.4209</b>	<b>14.7629</b>	<b>8.5583</b>	<b>0.0147</b>	<b>6.4610</b>	<b>0.7560</b>	<b>7.2170</b>	<b>3.3584</b>	<b>0.6955</b>	<b>4.0539</b>		<b>1,429.1523</b>	<b>1,429.1523</b>	<b>0.4622</b>		<b>1,440.7078</b>

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**3.3 Lead Contamination Removal - 2021**

**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	0.1065	3.0319	0.8136	0.0103	0.2574	0.0118	0.2692	0.0705	0.0113	0.0818		1,117.7340	1,117.7340	0.0686		1,119.4485
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0261	0.2946	8.6000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		85.7801	85.7801	2.5200e-003		85.8432
<b>Total</b>	<b>0.1446</b>	<b>3.0580</b>	<b>1.1082</b>	<b>0.0112</b>	<b>0.3468</b>	<b>0.0125</b>	<b>0.3593</b>	<b>0.0942</b>	<b>0.0120</b>	<b>0.1062</b>		<b>1,203.5141</b>	<b>1,203.5141</b>	<b>0.0711</b>		<b>1,205.2917</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5198	0.0000	2.5198	1.3098	0.0000	1.3098			0.0000			0.0000
Off-Road	1.4209	14.7629	8.5583	0.0147		0.7560	0.7560		0.6955	0.6955	0.0000	1,429.1523	1,429.1523	0.4622		1,440.7078
<b>Total</b>	<b>1.4209</b>	<b>14.7629</b>	<b>8.5583</b>	<b>0.0147</b>	<b>2.5198</b>	<b>0.7560</b>	<b>3.2758</b>	<b>1.3098</b>	<b>0.6955</b>	<b>2.0053</b>	<b>0.0000</b>	<b>1,429.1523</b>	<b>1,429.1523</b>	<b>0.4622</b>		<b>1,440.7078</b>

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**3.3 Lead Contamination Removal - 2021**

**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	0.1065	3.0319	0.8136	0.0103	0.2574	0.0118	0.2692	0.0705	0.0113	0.0818		1,117.7340	1,117.7340	0.0686		1,119.4485
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0382	0.0261	0.2946	8.6000e-004	0.0894	7.2000e-004	0.0901	0.0237	6.7000e-004	0.0244		85.7801	85.7801	2.5200e-003		85.8432
<b>Total</b>	<b>0.1446</b>	<b>3.0580</b>	<b>1.1082</b>	<b>0.0112</b>	<b>0.3468</b>	<b>0.0125</b>	<b>0.3593</b>	<b>0.0942</b>	<b>0.0120</b>	<b>0.1062</b>		<b>1,203.5141</b>	<b>1,203.5141</b>	<b>0.0711</b>		<b>1,205.2917</b>

**3.4 Grading - 2021**

**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					6.0316	0.0000	6.0316	2.6463	0.0000	2.6463			0.0000			0.0000
Off-Road	1.5176	16.4841	9.6032	0.0193		0.7424	0.7424		0.6830	0.6830		1,865.2568	1,865.2568	0.6033		1,880.3383
<b>Total</b>	<b>1.5176</b>	<b>16.4841</b>	<b>9.6032</b>	<b>0.0193</b>	<b>6.0316</b>	<b>0.7424</b>	<b>6.7739</b>	<b>2.6463</b>	<b>0.6830</b>	<b>3.3292</b>		<b>1,865.2568</b>	<b>1,865.2568</b>	<b>0.6033</b>		<b>1,880.3383</b>

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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
<b>Total</b>	<b>0.0477</b>	<b>0.0326</b>	<b>0.3683</b>	<b>1.0800e-003</b>	<b>0.1118</b>	<b>9.0000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.3000e-004</b>	<b>0.0305</b>		<b>107.2251</b>	<b>107.2251</b>	<b>3.1600e-003</b>		<b>107.3040</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.3523	0.0000	2.3523	1.0320	0.0000	1.0320			0.0000			0.0000
Off-Road	1.5176	16.4841	9.6032	0.0193		0.7424	0.7424		0.6830	0.6830	0.0000	1,865.2568	1,865.2568	0.6033		1,880.3383
<b>Total</b>	<b>1.5176</b>	<b>16.4841</b>	<b>9.6032</b>	<b>0.0193</b>	<b>2.3523</b>	<b>0.7424</b>	<b>3.0947</b>	<b>1.0320</b>	<b>0.6830</b>	<b>1.7150</b>	<b>0.0000</b>	<b>1,865.2568</b>	<b>1,865.2568</b>	<b>0.6033</b>		<b>1,880.3383</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0477	0.0326	0.3683	1.0800e-003	0.1118	9.0000e-004	0.1127	0.0296	8.3000e-004	0.0305		107.2251	107.2251	3.1600e-003		107.3040
<b>Total</b>	<b>0.0477</b>	<b>0.0326</b>	<b>0.3683</b>	<b>1.0800e-003</b>	<b>0.1118</b>	<b>9.0000e-004</b>	<b>0.1127</b>	<b>0.0296</b>	<b>8.3000e-004</b>	<b>0.0305</b>		<b>107.2251</b>	<b>107.2251</b>	<b>3.1600e-003</b>		<b>107.3040</b>

**3.5 Building Construction - 2021**

**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	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608		2,001.2200	2,001.2200	0.3573		2,010.1517
<b>Total</b>	<b>1.8125</b>	<b>13.6361</b>	<b>12.8994</b>	<b>0.0221</b>		<b>0.6843</b>	<b>0.6843</b>		<b>0.6608</b>	<b>0.6608</b>		<b>2,001.2200</b>	<b>2,001.2200</b>	<b>0.3573</b>		<b>2,010.1517</b>



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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204		267.3455	267.3455	0.0173		267.7770
Worker	0.3052	0.2087	2.3568	6.8900e-003	0.7154	5.7800e-003	0.7212	0.1897	5.3200e-003	0.1950		686.2407	686.2407	0.0202		686.7455
<b>Total</b>	<b>0.3371</b>	<b>1.1776</b>	<b>2.6376</b>	<b>9.3900e-003</b>	<b>0.7794</b>	<b>7.8300e-003</b>	<b>0.7872</b>	<b>0.2082</b>	<b>7.2800e-003</b>	<b>0.2154</b>		<b>953.5862</b>	<b>953.5862</b>	<b>0.0375</b>		<b>954.5225</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.8125	13.6361	12.8994	0.0221		0.6843	0.6843		0.6608	0.6608	0.0000	2,001.2200	2,001.2200	0.3573		2,010.1517
<b>Total</b>	<b>1.8125</b>	<b>13.6361</b>	<b>12.8994</b>	<b>0.0221</b>		<b>0.6843</b>	<b>0.6843</b>		<b>0.6608</b>	<b>0.6608</b>	<b>0.0000</b>	<b>2,001.2200</b>	<b>2,001.2200</b>	<b>0.3573</b>		<b>2,010.1517</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0319	0.9689	0.2808	2.5000e-003	0.0640	2.0500e-003	0.0661	0.0184	1.9600e-003	0.0204		267.3455	267.3455	0.0173		267.7770
Worker	0.3052	0.2087	2.3568	6.8900e-003	0.7154	5.7800e-003	0.7212	0.1897	5.3200e-003	0.1950		686.2407	686.2407	0.0202		686.7455
<b>Total</b>	<b>0.3371</b>	<b>1.1776</b>	<b>2.6376</b>	<b>9.3900e-003</b>	<b>0.7794</b>	<b>7.8300e-003</b>	<b>0.7872</b>	<b>0.2082</b>	<b>7.2800e-003</b>	<b>0.2154</b>		<b>953.5862</b>	<b>953.5862</b>	<b>0.0375</b>		<b>954.5225</b>

**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	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689		2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>1.6487</b>	<b>12.5031</b>	<b>12.7264</b>	<b>0.0221</b>		<b>0.5889</b>	<b>0.5889</b>		<b>0.5689</b>	<b>0.5689</b>		<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</b>

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**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703	264.9703	0.0167		265.3866
Worker	0.2866	0.1885	2.1707	6.6400e-003	0.7154	5.6000e-003	0.7210	0.1897	5.1600e-003	0.1949		662.1245	662.1245	0.0182		662.5802
<b>Total</b>	<b>0.3166</b>	<b>1.1093</b>	<b>2.4365</b>	<b>9.1200e-003</b>	<b>0.7794</b>	<b>7.3900e-003</b>	<b>0.7868</b>	<b>0.2082</b>	<b>6.8700e-003</b>	<b>0.2150</b>		<b>927.0947</b>	<b>927.0947</b>	<b>0.0349</b>		<b>927.9668</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6487	12.5031	12.7264	0.0221		0.5889	0.5889		0.5689	0.5689	0.0000	2,001.5429	2,001.5429	0.3486		2,010.2581
<b>Total</b>	<b>1.6487</b>	<b>12.5031</b>	<b>12.7264</b>	<b>0.0221</b>		<b>0.5889</b>	<b>0.5889</b>		<b>0.5689</b>	<b>0.5689</b>	<b>0.0000</b>	<b>2,001.5429</b>	<b>2,001.5429</b>	<b>0.3486</b>		<b>2,010.2581</b>

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**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0300	0.9208	0.2658	2.4800e-003	0.0640	1.7900e-003	0.0658	0.0184	1.7100e-003	0.0202		264.9703	264.9703	0.0167		265.3866
Worker	0.2866	0.1885	2.1707	6.6400e-003	0.7154	5.6000e-003	0.7210	0.1897	5.1600e-003	0.1949		662.1245	662.1245	0.0182		662.5802
<b>Total</b>	<b>0.3166</b>	<b>1.1093</b>	<b>2.4365</b>	<b>9.1200e-003</b>	<b>0.7794</b>	<b>7.3900e-003</b>	<b>0.7868</b>	<b>0.2082</b>	<b>6.8700e-003</b>	<b>0.2150</b>		<b>927.0947</b>	<b>927.0947</b>	<b>0.0349</b>		<b>927.9668</b>

**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	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205		1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6877</b>	<b>6.7738</b>	<b>8.8060</b>	<b>0.0135</b>		<b>0.3474</b>	<b>0.3474</b>		<b>0.3205</b>	<b>0.3205</b>		<b>1,297.3789</b>	<b>1,297.3789</b>	<b>0.4113</b>		<b>1,307.6608</b>

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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
<b>Total</b>	<b>0.0582</b>	<b>0.0383</b>	<b>0.4409</b>	<b>1.3500e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>134.4940</b>	<b>134.4940</b>	<b>3.7000e-003</b>		<b>134.5866</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6877	6.7738	8.8060	0.0135		0.3474	0.3474		0.3205	0.3205	0.0000	1,297.3789	1,297.3789	0.4113		1,307.6608
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6877</b>	<b>6.7738</b>	<b>8.8060</b>	<b>0.0135</b>		<b>0.3474</b>	<b>0.3474</b>		<b>0.3205</b>	<b>0.3205</b>	<b>0.0000</b>	<b>1,297.3789</b>	<b>1,297.3789</b>	<b>0.4113</b>		<b>1,307.6608</b>

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
<b>Total</b>	<b>0.0582</b>	<b>0.0383</b>	<b>0.4409</b>	<b>1.3500e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>134.4940</b>	<b>134.4940</b>	<b>3.7000e-003</b>		<b>134.5866</b>

**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	34.8060					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>35.0105</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>

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**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
<b>Total</b>	<b>0.0582</b>	<b>0.0383</b>	<b>0.4409</b>	<b>1.3500e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>134.4940</b>	<b>134.4940</b>	<b>3.7000e-003</b>		<b>134.5866</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	34.8060					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>35.0105</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>

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**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0582	0.0383	0.4409	1.3500e-003	0.1453	1.1400e-003	0.1465	0.0385	1.0500e-003	0.0396		134.4940	134.4940	3.7000e-003		134.5866
<b>Total</b>	<b>0.0582</b>	<b>0.0383</b>	<b>0.4409</b>	<b>1.3500e-003</b>	<b>0.1453</b>	<b>1.1400e-003</b>	<b>0.1465</b>	<b>0.0385</b>	<b>1.0500e-003</b>	<b>0.0396</b>		<b>134.4940</b>	<b>134.4940</b>	<b>3.7000e-003</b>		<b>134.5866</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9174	4.1967	12.1143	0.0496	4.6294	0.0384	4.6678	1.2386	0.0357	1.2743		5,063.1235	5,063.1235	0.2390		5,069.0989
Unmitigated	0.9174	4.1967	12.1143	0.0496	4.6294	0.0384	4.6678	1.2386	0.0357	1.2743		5,063.1235	5,063.1235	0.2390		5,069.0989

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	586.51	637.24	540.23	2,006,366	2,006,366
Total	586.51	637.24	540.23	2,006,366	2,006,366

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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

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**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	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
NaturalGas Unmitigated	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170

**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	3984.22	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
<b>Total</b>		<b>0.0430</b>	<b>0.3672</b>	<b>0.1562</b>	<b>2.3400e-003</b>		<b>0.0297</b>	<b>0.0297</b>		<b>0.0297</b>	<b>0.0297</b>		<b>468.7315</b>	<b>468.7315</b>	<b>8.9800e-003</b>	<b>8.5900e-003</b>	<b>471.5170</b>

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**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					
Apartments Low Rise	3.98422	0.0430	0.3672	0.1562	2.3400e-003		0.0297	0.0297		0.0297	0.0297		468.7315	468.7315	8.9800e-003	8.5900e-003	471.5170
<b>Total</b>		<b>0.0430</b>	<b>0.3672</b>	<b>0.1562</b>	<b>2.3400e-003</b>		<b>0.0297</b>	<b>0.0297</b>		<b>0.0297</b>	<b>0.0297</b>		<b>468.7315</b>	<b>468.7315</b>	<b>8.9800e-003</b>	<b>8.5900e-003</b>	<b>471.5170</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	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377
Unmitigated	2.1350	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407	0.0000	13.2212	13.2212	0.0127	0.0000	13.5377

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**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	0.1526					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Consumer Products	1.7622					0.0000	0.0000		0.0000	0.0000			0.0000				0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
Landscaping	0.2203	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407		13.2212	13.2212	0.0127			13.5377
<b>Total</b>	<b>2.1350</b>	<b>0.0845</b>	<b>7.3357</b>	<b>3.9000e-004</b>		<b>0.0407</b>	<b>0.0407</b>		<b>0.0407</b>	<b>0.0407</b>	<b>0.0000</b>	<b>13.2212</b>	<b>13.2212</b>	<b>0.0127</b>	<b>0.0000</b>		<b>13.5377</b>

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**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	0.1526					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.7622					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2203	0.0845	7.3357	3.9000e-004		0.0407	0.0407		0.0407	0.0407		13.2212	13.2212	0.0127		13.5377
<b>Total</b>	<b>2.1350</b>	<b>0.0845</b>	<b>7.3357</b>	<b>3.9000e-004</b>		<b>0.0407</b>	<b>0.0407</b>		<b>0.0407</b>	<b>0.0407</b>	<b>0.0000</b>	<b>13.2212</b>	<b>13.2212</b>	<b>0.0127</b>	<b>0.0000</b>	<b>13.5377</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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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**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	89.00	Dwelling Unit	5.56	89,000.00	255

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2025
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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

Project Characteristics -

Land Use - Lot acreage for Phase 1 is 1.79 and building square footage is 100,000

Construction Phase - Project Phase 1 expected to take 18 months

Off-road Equipment - Removal of soil will be targeted

Trips and VMT - Nearest landfill to accept asbestos is Azusa Land Reclamation

Nearest landfill to accept hazardous substances is Kettleman

Demolition -

Grading - Estimated area of potential contamination

Woodstoves - No hearth or fireplaces

Construction Off-road Equipment Mitigation -

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Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	88.00
tblConstructionPhase	NumDays	10.00	14.00
tblConstructionPhase	NumDays	20.00	7.00
tblConstructionPhase	NumDays	230.00	268.00
tblConstructionPhase	NumDays	20.00	15.00
tblConstructionPhase	NumDays	20.00	16.00
tblFireplaces	NumberGas	75.65	0.00
tblFireplaces	NumberNoFireplace	8.90	89.00
tblFireplaces	NumberWood	4.45	0.00
tblGrading	AcresOfGrading	2.63	10.00
tblGrading	AcresOfGrading	0.00	5.56
tblGrading	MaterialExported	0.00	1,100.00
tblGrading	MaterialImported	0.00	1,100.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00



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tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	180.00
tblTripsAndVMT	HaulingTripNumber	275.00	55.00
tblWoodstoves	NumberCatalytic	4.45	0.00
tblWoodstoves	NumberNoncatalytic	4.45	0.00

## 2.0 Emissions Summary

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	3-1-2021	5-31-2021	0.9652	0.9652
2	6-1-2021	8-31-2021	0.7367	0.7367
3	9-1-2021	11-30-2021	0.5508	0.5508
4	12-1-2021	2-28-2022	0.5160	0.5160
5	3-1-2022	5-31-2022	0.5108	0.5108
6	6-1-2022	8-31-2022	0.4449	0.4449
7	9-1-2022	9-30-2022	0.2868	0.2868
		Highest	0.9652	0.9652

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3770	0.0106	0.9170	5.0000e-005		5.0900e-003	5.0900e-003		5.0900e-003	5.0900e-003	0.0000	1.4993	1.4993	1.4400e-003	0.0000	1.5352
Energy	7.8400e-003	0.0670	0.0285	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	287.7981	287.7981	6.4500e-003	2.4500e-003	288.6894
Mobile	0.1504	0.7157	2.0626	8.4300e-003	0.7613	6.4200e-003	0.7678	0.2040	5.9700e-003	0.2100	0.0000	780.9148	780.9148	0.0362	0.0000	781.8204
Waste						0.0000	0.0000		0.0000	0.0000	8.3105	0.0000	8.3105	0.4911	0.0000	20.5888
Water						0.0000	0.0000		0.0000	0.0000	1.8397	64.6743	66.5140	0.1905	4.7800e-003	72.6997
<b>Total</b>	<b>0.5352</b>	<b>0.7933</b>	<b>3.0081</b>	<b>8.9100e-003</b>	<b>0.7613</b>	<b>0.0169</b>	<b>0.7783</b>	<b>0.2040</b>	<b>0.0165</b>	<b>0.2205</b>	<b>10.1501</b>	<b>1,134.8865</b>	<b>1,145.0366</b>	<b>0.7257</b>	<b>7.2300e-003</b>	<b>1,165.3334</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.3770	0.0106	0.9170	5.0000e-005		5.0900e-003	5.0900e-003		5.0900e-003	5.0900e-003	0.0000	1.4993	1.4993	1.4400e-003	0.0000	1.5352
Energy	7.8400e-003	0.0670	0.0285	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	287.7981	287.7981	6.4500e-003	2.4500e-003	288.6894
Mobile	0.1504	0.7157	2.0626	8.4300e-003	0.7613	6.4200e-003	0.7678	0.2040	5.9700e-003	0.2100	0.0000	780.9148	780.9148	0.0362	0.0000	781.8204
Waste						0.0000	0.0000		0.0000	0.0000	8.3105	0.0000	8.3105	0.4911	0.0000	20.5888
Water						0.0000	0.0000		0.0000	0.0000	1.8397	64.6743	66.5140	0.1905	4.7800e-003	72.6997
<b>Total</b>	<b>0.5352</b>	<b>0.7933</b>	<b>3.0081</b>	<b>8.9100e-003</b>	<b>0.7613</b>	<b>0.0169</b>	<b>0.7783</b>	<b>0.2040</b>	<b>0.0165</b>	<b>0.2205</b>	<b>10.1501</b>	<b>1,134.8865</b>	<b>1,145.0366</b>	<b>0.7257</b>	<b>7.2300e-003</b>	<b>1,165.3334</b>

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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/1/2021	6/30/2021	5	88	
2	Lead Contamination Removal	Site Preparation	7/1/2021	7/20/2021	5	14	
3	Grading	Grading	7/21/2021	7/29/2021	5	7	
4	Building Construction	Building Construction	7/30/2021	8/9/2022	5	268	
5	Paving	Paving	8/10/2022	8/30/2022	5	15	
6	Architectural Coating	Architectural Coating	9/1/2022	9/22/2022	5	16	

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 0**

**Residential Indoor: 180,225; Residential Outdoor: 60,075; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Lead Contamination Removal	Rubber Tired Dozers	1	8.00	247	0.40
Lead Contamination Removal	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	112.00	14.70	6.90	23.00	LD_Mix	HDT_Mix	HHDT
Lead Contamination Removal	3	8.00	0.00	55.00	14.70	6.90	180.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	64.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**3.2 Demolition - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0121	0.0000	0.0121	1.8300e-003	0.0000	1.8300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1179	1.1509	1.0696	1.7400e-003		0.0596	0.0596		0.0554	0.0554	0.0000	152.6111	152.6111	0.0431	0.0000	153.6881
<b>Total</b>	<b>0.1179</b>	<b>1.1509</b>	<b>1.0696</b>	<b>1.7400e-003</b>	<b>0.0121</b>	<b>0.0596</b>	<b>0.0717</b>	<b>1.8300e-003</b>	<b>0.0554</b>	<b>0.0573</b>	<b>0.0000</b>	<b>152.6111</b>	<b>152.6111</b>	<b>0.0431</b>	<b>0.0000</b>	<b>153.6881</b>

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**3.2 Demolition - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.3000e-004	0.0171	4.0400e-003	5.0000e-005	1.1100e-003	5.0000e-005	1.1600e-003	3.0000e-004	5.0000e-005	3.5000e-004	0.0000	4.8268	4.8268	3.3000e-004	0.0000	4.8350
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7900e-003	2.9500e-003	0.0333	1.0000e-004	9.6400e-003	8.0000e-005	9.7200e-003	2.5600e-003	7.0000e-005	2.6300e-003	0.0000	8.7025	8.7025	2.6000e-004	0.0000	8.7089
<b>Total</b>	<b>4.3200e-003</b>	<b>0.0200</b>	<b>0.0373</b>	<b>1.5000e-004</b>	<b>0.0108</b>	<b>1.3000e-004</b>	<b>0.0109</b>	<b>2.8600e-003</b>	<b>1.2000e-004</b>	<b>2.9800e-003</b>	<b>0.0000</b>	<b>13.5292</b>	<b>13.5292</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>13.5438</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					4.7200e-003	0.0000	4.7200e-003	7.2000e-004	0.0000	7.2000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.1179	1.1509	1.0696	1.7400e-003		0.0596	0.0596		0.0554	0.0554	0.0000	152.6109	152.6109	0.0431	0.0000	153.6879
<b>Total</b>	<b>0.1179</b>	<b>1.1509</b>	<b>1.0696</b>	<b>1.7400e-003</b>	<b>4.7200e-003</b>	<b>0.0596</b>	<b>0.0643</b>	<b>7.2000e-004</b>	<b>0.0554</b>	<b>0.0562</b>	<b>0.0000</b>	<b>152.6109</b>	<b>152.6109</b>	<b>0.0431</b>	<b>0.0000</b>	<b>153.6879</b>



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**3.2 Demolition - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.3000e-004	0.0171	4.0400e-003	5.0000e-005	1.1100e-003	5.0000e-005	1.1600e-003	3.0000e-004	5.0000e-005	3.5000e-004	0.0000	4.8268	4.8268	3.3000e-004	0.0000	4.8350
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.7900e-003	2.9500e-003	0.0333	1.0000e-004	9.6400e-003	8.0000e-005	9.7200e-003	2.5600e-003	7.0000e-005	2.6300e-003	0.0000	8.7025	8.7025	2.6000e-004	0.0000	8.7089
<b>Total</b>	<b>4.3200e-003</b>	<b>0.0200</b>	<b>0.0373</b>	<b>1.5000e-004</b>	<b>0.0108</b>	<b>1.3000e-004</b>	<b>0.0109</b>	<b>2.8600e-003</b>	<b>1.2000e-004</b>	<b>2.9800e-003</b>	<b>0.0000</b>	<b>13.5292</b>	<b>13.5292</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>13.5438</b>

**3.3 Lead Contamination Removal - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0452	0.0000	0.0452	0.0235	0.0000	0.0235	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9500e-003	0.1033	0.0599	1.0000e-004		5.2900e-003	5.2900e-003		4.8700e-003	4.8700e-003	0.0000	9.0755	9.0755	2.9400e-003	0.0000	9.1489
<b>Total</b>	<b>9.9500e-003</b>	<b>0.1033</b>	<b>0.0599</b>	<b>1.0000e-004</b>	<b>0.0452</b>	<b>5.2900e-003</b>	<b>0.0505</b>	<b>0.0235</b>	<b>4.8700e-003</b>	<b>0.0284</b>	<b>0.0000</b>	<b>9.0755</b>	<b>9.0755</b>	<b>2.9400e-003</b>	<b>0.0000</b>	<b>9.1489</b>

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**3.3 Lead Contamination Removal - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7200e-003	0.0483	0.0130	1.7000e-004	4.2500e-003	2.0000e-004	4.4500e-003	1.1700e-003	1.9000e-004	1.3500e-003	0.0000	16.7082	16.7082	9.8000e-004	0.0000	16.7327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.1200e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5538	0.5538	2.0000e-005	0.0000	0.5542
<b>Total</b>	<b>1.9600e-003</b>	<b>0.0485</b>	<b>0.0152</b>	<b>1.8000e-004</b>	<b>4.8600e-003</b>	<b>2.1000e-004</b>	<b>5.0700e-003</b>	<b>1.3300e-003</b>	<b>1.9000e-004</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>17.2620</b>	<b>17.2620</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>17.2869</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0176	0.0000	0.0176	9.1700e-003	0.0000	9.1700e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9500e-003	0.1033	0.0599	1.0000e-004		5.2900e-003	5.2900e-003		4.8700e-003	4.8700e-003	0.0000	9.0755	9.0755	2.9400e-003	0.0000	9.1489
<b>Total</b>	<b>9.9500e-003</b>	<b>0.1033</b>	<b>0.0599</b>	<b>1.0000e-004</b>	<b>0.0176</b>	<b>5.2900e-003</b>	<b>0.0229</b>	<b>9.1700e-003</b>	<b>4.8700e-003</b>	<b>0.0140</b>	<b>0.0000</b>	<b>9.0755</b>	<b>9.0755</b>	<b>2.9400e-003</b>	<b>0.0000</b>	<b>9.1489</b>

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**3.3 Lead Contamination Removal - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.7200e-003	0.0483	0.0130	1.7000e-004	4.2500e-003	2.0000e-004	4.4500e-003	1.1700e-003	1.9000e-004	1.3500e-003	0.0000	16.7082	16.7082	9.8000e-004	0.0000	16.7327
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.4000e-004	1.9000e-004	2.1200e-003	1.0000e-005	6.1000e-004	1.0000e-005	6.2000e-004	1.6000e-004	0.0000	1.7000e-004	0.0000	0.5538	0.5538	2.0000e-005	0.0000	0.5542
<b>Total</b>	<b>1.9600e-003</b>	<b>0.0485</b>	<b>0.0152</b>	<b>1.8000e-004</b>	<b>4.8600e-003</b>	<b>2.1000e-004</b>	<b>5.0700e-003</b>	<b>1.3300e-003</b>	<b>1.9000e-004</b>	<b>1.5200e-003</b>	<b>0.0000</b>	<b>17.2620</b>	<b>17.2620</b>	<b>1.0000e-003</b>	<b>0.0000</b>	<b>17.2869</b>

**3.4 Grading - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0211	0.0000	0.0211	9.2600e-003	0.0000	9.2600e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3100e-003	0.0577	0.0336	7.0000e-005		2.6000e-003	2.6000e-003		2.3900e-003	2.3900e-003	0.0000	5.9225	5.9225	1.9200e-003	0.0000	5.9704
<b>Total</b>	<b>5.3100e-003</b>	<b>0.0577</b>	<b>0.0336</b>	<b>7.0000e-005</b>	<b>0.0211</b>	<b>2.6000e-003</b>	<b>0.0237</b>	<b>9.2600e-003</b>	<b>2.3900e-003</b>	<b>0.0117</b>	<b>0.0000</b>	<b>5.9225</b>	<b>5.9225</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>5.9704</b>

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**3.4 Grading - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464
<b>Total</b>	<b>1.5000e-004</b>	<b>1.2000e-004</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3461</b>	<b>0.3461</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3464</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					8.2300e-003	0.0000	8.2300e-003	3.6100e-003	0.0000	3.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	5.3100e-003	0.0577	0.0336	7.0000e-005		2.6000e-003	2.6000e-003		2.3900e-003	2.3900e-003	0.0000	5.9225	5.9225	1.9200e-003	0.0000	5.9703
<b>Total</b>	<b>5.3100e-003</b>	<b>0.0577</b>	<b>0.0336</b>	<b>7.0000e-005</b>	<b>8.2300e-003</b>	<b>2.6000e-003</b>	<b>0.0108</b>	<b>3.6100e-003</b>	<b>2.3900e-003</b>	<b>6.0000e-003</b>	<b>0.0000</b>	<b>5.9225</b>	<b>5.9225</b>	<b>1.9200e-003</b>	<b>0.0000</b>	<b>5.9703</b>

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**3.4 Grading - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.5000e-004	1.2000e-004	1.3200e-003	0.0000	3.8000e-004	0.0000	3.9000e-004	1.0000e-004	0.0000	1.0000e-004	0.0000	0.3461	0.3461	1.0000e-005	0.0000	0.3464
<b>Total</b>	<b>1.5000e-004</b>	<b>1.2000e-004</b>	<b>1.3200e-003</b>	<b>0.0000</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>3.9000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.3461</b>	<b>0.3461</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.3464</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1006	0.7568	0.7159	1.2200e-003		0.0380	0.0380		0.0367	0.0367	0.0000	100.7589	100.7589	0.0180	0.0000	101.2086
<b>Total</b>	<b>0.1006</b>	<b>0.7568</b>	<b>0.7159</b>	<b>1.2200e-003</b>		<b>0.0380</b>	<b>0.0380</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>100.7589</b>	<b>100.7589</b>	<b>0.0180</b>	<b>0.0000</b>	<b>101.2086</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7200e-003	0.0548	0.0149	1.4000e-004	3.5000e-003	1.1000e-004	3.6100e-003	1.0100e-003	1.1000e-004	1.1200e-003	0.0000	13.6806	13.6806	8.4000e-004	0.0000	13.7015
Worker	0.0153	0.0119	0.1343	3.9000e-004	0.0389	3.2000e-004	0.0392	0.0103	3.0000e-004	0.0106	0.0000	35.1263	35.1263	1.0300e-003	0.0000	35.1522
<b>Total</b>	<b>0.0170</b>	<b>0.0667</b>	<b>0.1492</b>	<b>5.3000e-004</b>	<b>0.0424</b>	<b>4.3000e-004</b>	<b>0.0429</b>	<b>0.0114</b>	<b>4.1000e-004</b>	<b>0.0118</b>	<b>0.0000</b>	<b>48.8069</b>	<b>48.8069</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>48.8537</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1006	0.7568	0.7159	1.2200e-003		0.0380	0.0380		0.0367	0.0367	0.0000	100.7588	100.7588	0.0180	0.0000	101.2085
<b>Total</b>	<b>0.1006</b>	<b>0.7568</b>	<b>0.7159</b>	<b>1.2200e-003</b>		<b>0.0380</b>	<b>0.0380</b>		<b>0.0367</b>	<b>0.0367</b>	<b>0.0000</b>	<b>100.7588</b>	<b>100.7588</b>	<b>0.0180</b>	<b>0.0000</b>	<b>101.2085</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.7200e-003	0.0548	0.0149	1.4000e-004	3.5000e-003	1.1000e-004	3.6100e-003	1.0100e-003	1.1000e-004	1.1200e-003	0.0000	13.6806	13.6806	8.4000e-004	0.0000	13.7015
Worker	0.0153	0.0119	0.1343	3.9000e-004	0.0389	3.2000e-004	0.0392	0.0103	3.0000e-004	0.0106	0.0000	35.1263	35.1263	1.0300e-003	0.0000	35.1522
<b>Total</b>	<b>0.0170</b>	<b>0.0667</b>	<b>0.1492</b>	<b>5.3000e-004</b>	<b>0.0424</b>	<b>4.3000e-004</b>	<b>0.0429</b>	<b>0.0114</b>	<b>4.1000e-004</b>	<b>0.0118</b>	<b>0.0000</b>	<b>48.8069</b>	<b>48.8069</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>48.8537</b>

**3.5 Building Construction - 2022**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1294	0.9815	0.9990	1.7300e-003		0.0462	0.0462		0.0447	0.0447	0.0000	142.5379	142.5379	0.0248	0.0000	143.1585
<b>Total</b>	<b>0.1294</b>	<b>0.9815</b>	<b>0.9990</b>	<b>1.7300e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0447</b>	<b>0.0447</b>	<b>0.0000</b>	<b>142.5379</b>	<b>142.5379</b>	<b>0.0248</b>	<b>0.0000</b>	<b>143.1585</b>

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**3.5 Building Construction - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2900e-003	0.0736	0.0199	2.0000e-004	4.9400e-003	1.4000e-004	5.0800e-003	1.4300e-003	1.3000e-004	1.5600e-003	0.0000	19.1800	19.1800	1.1500e-003	0.0000	19.2087
Worker	0.0203	0.0152	0.1751	5.3000e-004	0.0551	4.4000e-004	0.0555	0.0146	4.0000e-004	0.0150	0.0000	47.9367	47.9367	1.3200e-003	0.0000	47.9697
<b>Total</b>	<b>0.0226</b>	<b>0.0888</b>	<b>0.1949</b>	<b>7.3000e-004</b>	<b>0.0600</b>	<b>5.8000e-004</b>	<b>0.0606</b>	<b>0.0161</b>	<b>5.3000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>67.1168</b>	<b>67.1168</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>67.1784</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1294	0.9815	0.9990	1.7300e-003		0.0462	0.0462		0.0447	0.0447	0.0000	142.5377	142.5377	0.0248	0.0000	143.1584
<b>Total</b>	<b>0.1294</b>	<b>0.9815</b>	<b>0.9990</b>	<b>1.7300e-003</b>		<b>0.0462</b>	<b>0.0462</b>		<b>0.0447</b>	<b>0.0447</b>	<b>0.0000</b>	<b>142.5377</b>	<b>142.5377</b>	<b>0.0248</b>	<b>0.0000</b>	<b>143.1584</b>



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**3.5 Building Construction - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.2900e-003	0.0736	0.0199	2.0000e-004	4.9400e-003	1.4000e-004	5.0800e-003	1.4300e-003	1.3000e-004	1.5600e-003	0.0000	19.1800	19.1800	1.1500e-003	0.0000	19.2087
Worker	0.0203	0.0152	0.1751	5.3000e-004	0.0551	4.4000e-004	0.0555	0.0146	4.0000e-004	0.0150	0.0000	47.9367	47.9367	1.3200e-003	0.0000	47.9697
<b>Total</b>	<b>0.0226</b>	<b>0.0888</b>	<b>0.1949</b>	<b>7.3000e-004</b>	<b>0.0600</b>	<b>5.8000e-004</b>	<b>0.0606</b>	<b>0.0161</b>	<b>5.3000e-004</b>	<b>0.0166</b>	<b>0.0000</b>	<b>67.1168</b>	<b>67.1168</b>	<b>2.4700e-003</b>	<b>0.0000</b>	<b>67.1784</b>

**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	tons/yr										MT/yr					
Off-Road	5.1600e-003	0.0508	0.0661	1.0000e-004		2.6100e-003	2.6100e-003		2.4000e-003	2.4000e-003	0.0000	8.8272	8.8272	2.8000e-003	0.0000	8.8972
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.1600e-003</b>	<b>0.0508</b>	<b>0.0661</b>	<b>1.0000e-004</b>		<b>2.6100e-003</b>	<b>2.6100e-003</b>		<b>2.4000e-003</b>	<b>2.4000e-003</b>	<b>0.0000</b>	<b>8.8272</b>	<b>8.8272</b>	<b>2.8000e-003</b>	<b>0.0000</b>	<b>8.8972</b>

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**3.6 Paving - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.9000e-004	3.4000e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9303	0.9303	3.0000e-005	0.0000	0.9309
<b>Total</b>	<b>3.9000e-004</b>	<b>2.9000e-004</b>	<b>3.4000e-003</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>2.8000e-004</b>	<b>1.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.9303</b>	<b>0.9303</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9309</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.1600e-003	0.0508	0.0660	1.0000e-004		2.6100e-003	2.6100e-003		2.4000e-003	2.4000e-003	0.0000	8.8272	8.8272	2.8000e-003	0.0000	8.8972
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>5.1600e-003</b>	<b>0.0508</b>	<b>0.0660</b>	<b>1.0000e-004</b>		<b>2.6100e-003</b>	<b>2.6100e-003</b>		<b>2.4000e-003</b>	<b>2.4000e-003</b>	<b>0.0000</b>	<b>8.8272</b>	<b>8.8272</b>	<b>2.8000e-003</b>	<b>0.0000</b>	<b>8.8972</b>

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**3.6 Paving - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.9000e-004	2.9000e-004	3.4000e-003	1.0000e-005	1.0700e-003	1.0000e-005	1.0800e-003	2.8000e-004	1.0000e-005	2.9000e-004	0.0000	0.9303	0.9303	3.0000e-005	0.0000	0.9309
<b>Total</b>	<b>3.9000e-004</b>	<b>2.9000e-004</b>	<b>3.4000e-003</b>	<b>1.0000e-005</b>	<b>1.0700e-003</b>	<b>1.0000e-005</b>	<b>1.0800e-003</b>	<b>2.8000e-004</b>	<b>1.0000e-005</b>	<b>2.9000e-004</b>	<b>0.0000</b>	<b>0.9303</b>	<b>0.9303</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9309</b>

**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	tons/yr										MT/yr					
Archit. Coating	0.2785					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0113	0.0145	2.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	2.0426	2.0426	1.3000e-004	0.0000	2.0459
<b>Total</b>	<b>0.2801</b>	<b>0.0113</b>	<b>0.0145</b>	<b>2.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0426</b>	<b>2.0426</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.0459</b>

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**3.7 Architectural Coating - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.1000e-004	3.6200e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9923	0.9923	3.0000e-005	0.0000	0.9930
<b>Total</b>	<b>4.2000e-004</b>	<b>3.1000e-004</b>	<b>3.6200e-003</b>	<b>1.0000e-005</b>	<b>1.1400e-003</b>	<b>1.0000e-005</b>	<b>1.1500e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.9923</b>	<b>0.9923</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9930</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.2785					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6400e-003	0.0113	0.0145	2.0000e-005		6.5000e-004	6.5000e-004		6.5000e-004	6.5000e-004	0.0000	2.0426	2.0426	1.3000e-004	0.0000	2.0459
<b>Total</b>	<b>0.2801</b>	<b>0.0113</b>	<b>0.0145</b>	<b>2.0000e-005</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>		<b>6.5000e-004</b>	<b>6.5000e-004</b>	<b>0.0000</b>	<b>2.0426</b>	<b>2.0426</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>2.0459</b>

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**3.7 Architectural Coating - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.2000e-004	3.1000e-004	3.6200e-003	1.0000e-005	1.1400e-003	1.0000e-005	1.1500e-003	3.0000e-004	1.0000e-005	3.1000e-004	0.0000	0.9923	0.9923	3.0000e-005	0.0000	0.9930
<b>Total</b>	<b>4.2000e-004</b>	<b>3.1000e-004</b>	<b>3.6200e-003</b>	<b>1.0000e-005</b>	<b>1.1400e-003</b>	<b>1.0000e-005</b>	<b>1.1500e-003</b>	<b>3.0000e-004</b>	<b>1.0000e-005</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.9923</b>	<b>0.9923</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9930</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1504	0.7157	2.0626	8.4300e-003	0.7613	6.4200e-003	0.7678	0.2040	5.9700e-003	0.2100	0.0000	780.9148	780.9148	0.0362	0.0000	781.8204
Unmitigated	0.1504	0.7157	2.0626	8.4300e-003	0.7613	6.4200e-003	0.7678	0.2040	5.9700e-003	0.2100	0.0000	780.9148	780.9148	0.0362	0.0000	781.8204

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	586.51	637.24	540.23	2,006,366	2,006,366
Total	586.51	637.24	540.23	2,006,366	2,006,366

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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

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**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	210.1943	210.1943	4.9600e-003	1.0300e-003	210.6245
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	210.1943	210.1943	4.9600e-003	1.0300e-003	210.6245
NaturalGas Mitigated	7.8400e-003	0.0670	0.0285	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6038	77.6038	1.4900e-003	1.4200e-003	78.0649
NaturalGas Unmitigated	7.8400e-003	0.0670	0.0285	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6038	77.6038	1.4900e-003	1.4200e-003	78.0649

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.45424e+006	7.8400e-003	0.0670	0.0285	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6038	77.6038	1.4900e-003	1.4200e-003	78.0649
<b>Total</b>		<b>7.8400e-003</b>	<b>0.0670</b>	<b>0.0285</b>	<b>4.3000e-004</b>		<b>5.4200e-003</b>	<b>5.4200e-003</b>		<b>5.4200e-003</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>77.6038</b>	<b>77.6038</b>	<b>1.4900e-003</b>	<b>1.4200e-003</b>	<b>78.0649</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.45424e+006	7.8400e-003	0.0670	0.0285	4.3000e-004		5.4200e-003	5.4200e-003		5.4200e-003	5.4200e-003	0.0000	77.6038	77.6038	1.4900e-003	1.4200e-003	78.0649
<b>Total</b>		<b>7.8400e-003</b>	<b>0.0670</b>	<b>0.0285</b>	<b>4.3000e-004</b>		<b>5.4200e-003</b>	<b>5.4200e-003</b>		<b>5.4200e-003</b>	<b>5.4200e-003</b>	<b>0.0000</b>	<b>77.6038</b>	<b>77.6038</b>	<b>1.4900e-003</b>	<b>1.4200e-003</b>	<b>78.0649</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	377395	210.1943	4.9600e-003	1.0300e-003	210.6245
<b>Total</b>		<b>210.1943</b>	<b>4.9600e-003</b>	<b>1.0300e-003</b>	<b>210.6245</b>



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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	377395	210.1943	4.9600e-003	1.0300e-003	210.6245
<b>Total</b>		<b>210.1943</b>	<b>4.9600e-003</b>	<b>1.0300e-003</b>	<b>210.6245</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	tons/yr										MT/yr					
Mitigated	0.3770	0.0106	0.9170	5.0000e-005		5.0900e-003	5.0900e-003		5.0900e-003	5.0900e-003	0.0000	1.4993	1.4993	1.4400e-003	0.0000	1.5352
Unmitigated	0.3770	0.0106	0.9170	5.0000e-005		5.0900e-003	5.0900e-003		5.0900e-003	5.0900e-003	0.0000	1.4993	1.4993	1.4400e-003	0.0000	1.5352

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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0278					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3216					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0275	0.0106	0.9170	5.0000e-005		5.0900e-003	5.0900e-003		5.0900e-003	5.0900e-003	0.0000	1.4993	1.4993	1.4400e-003	0.0000	1.5352
<b>Total</b>	<b>0.3770</b>	<b>0.0106</b>	<b>0.9170</b>	<b>5.0000e-005</b>		<b>5.0900e-003</b>	<b>5.0900e-003</b>		<b>5.0900e-003</b>	<b>5.0900e-003</b>	<b>0.0000</b>	<b>1.4993</b>	<b>1.4993</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>1.5352</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0278					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3216					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0275	0.0106	0.9170	5.0000e-005		5.0900e-003	5.0900e-003		5.0900e-003	5.0900e-003	0.0000	1.4993	1.4993	1.4400e-003	0.0000	1.5352
<b>Total</b>	<b>0.3770</b>	<b>0.0106</b>	<b>0.9170</b>	<b>5.0000e-005</b>		<b>5.0900e-003</b>	<b>5.0900e-003</b>		<b>5.0900e-003</b>	<b>5.0900e-003</b>	<b>0.0000</b>	<b>1.4993</b>	<b>1.4993</b>	<b>1.4400e-003</b>	<b>0.0000</b>	<b>1.5352</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	66.5140	0.1905	4.7800e-003	72.6997
Unmitigated	66.5140	0.1905	4.7800e-003	72.6997

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.79871 / 3.65571	66.5140	0.1905	4.7800e-003	72.6997
<b>Total</b>		<b>66.5140</b>	<b>0.1905</b>	<b>4.7800e-003</b>	<b>72.6997</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	5.79871 / 3.65571	66.5140	0.1905	4.7800e-003	72.6997
<b>Total</b>		<b>66.5140</b>	<b>0.1905</b>	<b>4.7800e-003</b>	<b>72.6997</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.3105	0.4911	0.0000	20.5888
Unmitigated	8.3105	0.4911	0.0000	20.5888

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	40.94	8.3105	0.4911	0.0000	20.5888
<b>Total</b>		<b>8.3105</b>	<b>0.4911</b>	<b>0.0000</b>	<b>20.5888</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	40.94	8.3105	0.4911	0.0000	20.5888
<b>Total</b>		<b>8.3105</b>	<b>0.4911</b>	<b>0.0000</b>	<b>20.5888</b>

**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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Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**Rose Hill Court - Construction Phase 2 Nov Rev**  
**Los Angeles-South Coast County, Summer**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	96.00	Dwelling Unit	6.00	96,000.00	275

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2025
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MW hr)</b>	1227.89	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

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



Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

Project Characteristics -

Land Use - Lot acreage for Phase 2 is 3.54, structure square footage is 114,000

Construction Phase - Project Phase 2 is expected to take 18 months

Off-road Equipment - Lead removal activity will be limited to targeted area

Trips and VMT - Closest landfill that accepts asbestos is in Azusa

Closest landfill that accepts hazardous material is Kettleman

Demolition -

Grading - Estimated area of contamination

Woodstoves - No hearth or fireplaces

Construction Off-road Equipment Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	82.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	11.00
tblFireplaces	NumberGas	81.60	0.00
tblFireplaces	NumberNoFireplace	9.60	96.00
tblFireplaces	NumberWood	4.80	0.00
tblGrading	AcresOfGrading	2.25	10.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	MaterialExported	0.00	1,200.00
tblGrading	MaterialImported	0.00	1,200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

## Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	75.00
tblTripsAndVMT	HaulingTripNumber	300.00	60.00
tblWoodstoves	NumberCatalytic	4.80	0.00
tblWoodstoves	NumberNoncatalytic	4.80	0.00

## 2.0 Emissions Summary

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Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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	2.4139	23.1546	24.7633	0.0455	1.3923	1.1008	2.4931	0.2630	1.0249	1.2879	0.0000	4,440.7508	4,440.7508	1.1097	0.0000	4,468.4945
2023	2.1384	19.7599	24.1842	0.0453	6.8159	0.9072	7.2934	3.4543	0.8449	3.8937	0.0000	4,417.4231	4,417.4231	1.1047	0.0000	4,445.0412
2024	54.8394	11.9133	14.9287	0.0316	0.8353	0.4572	1.2925	0.2230	0.4409	0.6638	0.0000	2,972.4759	2,972.4759	0.4147	0.0000	2,981.5849
<b>Maximum</b>	<b>54.8394</b>	<b>23.1546</b>	<b>24.7633</b>	<b>0.0455</b>	<b>6.8159</b>	<b>1.1008</b>	<b>7.2934</b>	<b>3.4543</b>	<b>1.0249</b>	<b>3.8937</b>	<b>0.0000</b>	<b>4,440.7508</b>	<b>4,440.7508</b>	<b>1.1097</b>	<b>0.0000</b>	<b>4,468.4945</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	2.4139	23.1546	24.7633	0.0455	0.8374	1.1008	1.9382	0.1790	1.0249	1.2039	0.0000	4,440.7508	4,440.7508	1.1097	0.0000	4,468.4945
2023	2.1384	19.7599	24.1842	0.0453	2.8726	0.9072	3.3501	1.4055	0.8449	1.8449	0.0000	4,417.4231	4,417.4231	1.1047	0.0000	4,445.0412
2024	54.8394	11.9133	14.9287	0.0316	0.8353	0.4572	1.2925	0.2230	0.4409	0.6638	0.0000	2,972.4759	2,972.4759	0.4147	0.0000	2,981.5849
<b>Maximum</b>	<b>54.8394</b>	<b>23.1546</b>	<b>24.7633</b>	<b>0.0455</b>	<b>2.8726</b>	<b>1.1008</b>	<b>3.3501</b>	<b>1.4055</b>	<b>1.0249</b>	<b>1.8449</b>	<b>0.0000</b>	<b>4,440.7508</b>	<b>4,440.7508</b>	<b>1.1097</b>	<b>0.0000</b>	<b>4,468.4945</b>

## Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	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	49.74	0.00	40.60	54.13	0.00	36.49	0.00	0.00	0.00	0.00	0.00	0.00

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024
Energy	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
Mobile	1.0217	4.4266	13.8181	0.0562	4.9935	0.0413	5.0348	1.3361	0.0384	1.3744		5,732.122 2	5,732.122 2	0.2585		5,738.585 6
<b>Total</b>	<b>3.3710</b>	<b>4.9138</b>	<b>21.8993</b>	<b>0.0591</b>	<b>4.9935</b>	<b>0.1172</b>	<b>5.1107</b>	<b>1.3361</b>	<b>0.1143</b>	<b>1.4503</b>	<b>0.0000</b>	<b>6,251.981 3</b>	<b>6,251.981 3</b>	<b>0.2819</b>	<b>9.2700e-003</b>	<b>6,261.790 6</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	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024
Energy	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
Mobile	1.0217	4.4266	13.8181	0.0562	4.9935	0.0413	5.0348	1.3361	0.0384	1.3744		5,732.122 2	5,732.122 2	0.2585		5,738.585 6
<b>Total</b>	<b>3.3710</b>	<b>4.9138</b>	<b>21.8993</b>	<b>0.0591</b>	<b>4.9935</b>	<b>0.1172</b>	<b>5.1107</b>	<b>1.3361</b>	<b>0.1143</b>	<b>1.4503</b>	<b>0.0000</b>	<b>6,251.981 3</b>	<b>6,251.981 3</b>	<b>0.2819</b>	<b>9.2700e-003</b>	<b>6,261.790 6</b>

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	ROG	NOx	CO	SO2	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	12/1/2022	3/24/2023	5	82	
2	Lead Contamination Removal	Site Preparation	3/26/2023	4/14/2023	5	15	
3	Grading	Grading	4/15/2023	4/24/2023	5	6	
4	Building Construction	Building Construction	4/25/2023	5/20/2024	5	280	
5	Paving	Paving	5/21/2024	6/7/2024	5	14	
6	Architectural Coating	Architectural Coating	6/8/2024	6/24/2024	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 194,400; Residential Outdoor: 64,800; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Lead Contamination Removal	Rubber Tired Dozers	1	8.00	247	0.40
Lead Contamination Removal	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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**

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

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	8	20.00	0.00	345.00	14.70	6.90	23.00	LD_Mix	HDT_Mix	HHDT
Lead Contamination Removal	3	8.00	0.00	60.00	14.70	6.90	75.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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					0.9097	0.0000	0.9097	0.1377	0.0000	0.1377			0.0000			0.0000
Off-Road	2.2962	21.9527	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200		3,823.4627	3,823.4627	1.0772		3,850.3935
<b>Total</b>	<b>2.2962</b>	<b>21.9527</b>	<b>23.7259</b>	<b>0.0396</b>	<b>0.9097</b>	<b>1.0956</b>	<b>2.0053</b>	<b>0.1377</b>	<b>1.0200</b>	<b>1.1577</b>		<b>3,823.4627</b>	<b>3,823.4627</b>	<b>1.0772</b>		<b>3,850.3935</b>



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**3.2 Demolition - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0375	1.1487	0.2942	3.6600e-003	0.2591	3.4400e-003	0.2625	0.0660	3.2900e-003	0.0693		397.5457	397.5457	0.0265		398.2069
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
<b>Total</b>	<b>0.1178</b>	<b>1.2019</b>	<b>1.0374</b>	<b>5.8700e-003</b>	<b>0.4826</b>	<b>5.1900e-003</b>	<b>0.4878</b>	<b>0.1253</b>	<b>4.9000e-003</b>	<b>0.1302</b>		<b>617.2881</b>	<b>617.2881</b>	<b>0.0325</b>		<b>618.1010</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3548	0.0000	0.3548	0.0537	0.0000	0.0537			0.0000			0.0000
Off-Road	2.2962	21.9527	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200	0.0000	3,823.4627	3,823.4627	1.0772		3,850.3935
<b>Total</b>	<b>2.2962</b>	<b>21.9527</b>	<b>23.7259</b>	<b>0.0396</b>	<b>0.3548</b>	<b>1.0956</b>	<b>1.4504</b>	<b>0.0537</b>	<b>1.0200</b>	<b>1.0737</b>	<b>0.0000</b>	<b>3,823.4627</b>	<b>3,823.4627</b>	<b>1.0772</b>		<b>3,850.3935</b>

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**3.2 Demolition - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0375	1.1487	0.2942	3.6600e-003	0.2591	3.4400e-003	0.2625	0.0660	3.2900e-003	0.0693		397.5457	397.5457	0.0265		398.2069
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0803	0.0532	0.7432	2.2100e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		219.7425	219.7425	6.0600e-003		219.8941
<b>Total</b>	<b>0.1178</b>	<b>1.2019</b>	<b>1.0374</b>	<b>5.8700e-003</b>	<b>0.4826</b>	<b>5.1900e-003</b>	<b>0.4878</b>	<b>0.1253</b>	<b>4.9000e-003</b>	<b>0.1302</b>		<b>617.2881</b>	<b>617.2881</b>	<b>0.0325</b>		<b>618.1010</b>

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9097	0.0000	0.9097	0.1377	0.0000	0.1377			0.0000			0.0000
Off-Road	2.0385	18.9643	23.2310	0.0396		0.9041	0.9041		0.8420	0.8420		3,824.7128	3,824.7128	1.0745		3,851.5755
<b>Total</b>	<b>2.0385</b>	<b>18.9643</b>	<b>23.2310</b>	<b>0.0396</b>	<b>0.9097</b>	<b>0.9041</b>	<b>1.8137</b>	<b>0.1377</b>	<b>0.8420</b>	<b>0.9797</b>		<b>3,824.7128</b>	<b>3,824.7128</b>	<b>1.0745</b>		<b>3,851.5755</b>

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**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0245	0.7475	0.2688	3.5000e-003	0.1081	1.4300e-003	0.1095	0.0290	1.3700e-003	0.0303		381.0140	381.0140	0.0247		381.6326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331
<b>Total</b>	<b>0.0999</b>	<b>0.7956</b>	<b>0.9532</b>	<b>5.6200e-003</b>	<b>0.3316</b>	<b>3.1300e-003</b>	<b>0.3347</b>	<b>0.0882</b>	<b>2.9400e-003</b>	<b>0.0912</b>		<b>592.7104</b>	<b>592.7104</b>	<b>0.0302</b>		<b>593.4657</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3548	0.0000	0.3548	0.0537	0.0000	0.0537			0.0000			0.0000
Off-Road	2.0385	18.9643	23.2310	0.0396		0.9041	0.9041		0.8420	0.8420	0.0000	3,824.7128	3,824.7128	1.0745		3,851.5755
<b>Total</b>	<b>2.0385</b>	<b>18.9643</b>	<b>23.2310</b>	<b>0.0396</b>	<b>0.3548</b>	<b>0.9041</b>	<b>1.2588</b>	<b>0.0537</b>	<b>0.8420</b>	<b>0.8957</b>	<b>0.0000</b>	<b>3,824.7128</b>	<b>3,824.7128</b>	<b>1.0745</b>		<b>3,851.5755</b>

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**3.2 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0245	0.7475	0.2688	3.5000e-003	0.1081	1.4300e-003	0.1095	0.0290	1.3700e-003	0.0303		381.0140	381.0140	0.0247		381.6326
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0754	0.0482	0.6844	2.1200e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		211.6964	211.6964	5.4700e-003		211.8331
<b>Total</b>	<b>0.0999</b>	<b>0.7956</b>	<b>0.9532</b>	<b>5.6200e-003</b>	<b>0.3316</b>	<b>3.1300e-003</b>	<b>0.3347</b>	<b>0.0882</b>	<b>2.9400e-003</b>	<b>0.0912</b>		<b>592.7104</b>	<b>592.7104</b>	<b>0.0302</b>		<b>593.4657</b>

**3.3 Lead Contamination Removal - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4644	0.0000	6.4644	3.3588	0.0000	3.3588			0.0000			0.0000
Off-Road	0.9874	10.1985	7.5690	0.0148		0.4726	0.4726		0.4348	0.4348		1,430.1537	1,430.1537	0.4625		1,441.7172
<b>Total</b>	<b>0.9874</b>	<b>10.1985</b>	<b>7.5690</b>	<b>0.0148</b>	<b>6.4644</b>	<b>0.4726</b>	<b>6.9369</b>	<b>3.3588</b>	<b>0.4348</b>	<b>3.7935</b>		<b>1,430.1537</b>	<b>1,430.1537</b>	<b>0.4625</b>		<b>1,441.7172</b>

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**3.3 Lead Contamination Removal - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0665	1.6305	0.7444	9.9500e-003	0.2621	4.2500e-003	0.2663	0.0718	4.0600e-003	0.0759		1,083.5389	1,083.5389	0.0662		1,085.1928
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
<b>Total</b>	<b>0.0967</b>	<b>1.6498</b>	<b>1.0182</b>	<b>0.0108</b>	<b>0.3515</b>	<b>4.9300e-003</b>	<b>0.3564</b>	<b>0.0955</b>	<b>4.6900e-003</b>	<b>0.1002</b>		<b>1,168.2174</b>	<b>1,168.2174</b>	<b>0.0684</b>		<b>1,169.9260</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5211	0.0000	2.5211	1.3099	0.0000	1.3099			0.0000			0.0000
Off-Road	0.9874	10.1985	7.5690	0.0148		0.4726	0.4726		0.4348	0.4348	0.0000	1,430.1537	1,430.1537	0.4625		1,441.7172
<b>Total</b>	<b>0.9874</b>	<b>10.1985</b>	<b>7.5690</b>	<b>0.0148</b>	<b>2.5211</b>	<b>0.4726</b>	<b>2.9937</b>	<b>1.3099</b>	<b>0.4348</b>	<b>1.7447</b>	<b>0.0000</b>	<b>1,430.1537</b>	<b>1,430.1537</b>	<b>0.4625</b>		<b>1,441.7172</b>

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**3.3 Lead Contamination Removal - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0665	1.6305	0.7444	9.9500e-003	0.2621	4.2500e-003	0.2663	0.0718	4.0600e-003	0.0759		1,083.5389	1,083.5389	0.0662		1,085.1928
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0302	0.0193	0.2738	8.5000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		84.6786	84.6786	2.1900e-003		84.7332
<b>Total</b>	<b>0.0967</b>	<b>1.6498</b>	<b>1.0182</b>	<b>0.0108</b>	<b>0.3515</b>	<b>4.9300e-003</b>	<b>0.3564</b>	<b>0.0955</b>	<b>4.6900e-003</b>	<b>0.1002</b>		<b>1,168.2174</b>	<b>1,168.2174</b>	<b>0.0684</b>		<b>1,169.9260</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2841	0.0000	6.2841	2.6735	0.0000	2.6735			0.0000			0.0000
Off-Road	1.1222	11.7275	8.8094	0.0193		0.4959	0.4959		0.4562	0.4562		1,864.8770	1,864.8770	0.6031		1,879.9554
<b>Total</b>	<b>1.1222</b>	<b>11.7275</b>	<b>8.8094</b>	<b>0.0193</b>	<b>6.2841</b>	<b>0.4959</b>	<b>6.7800</b>	<b>2.6735</b>	<b>0.4562</b>	<b>3.1298</b>		<b>1,864.8770</b>	<b>1,864.8770</b>	<b>0.6031</b>		<b>1,879.9554</b>

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**3.4 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
<b>Total</b>	<b>0.0377</b>	<b>0.0241</b>	<b>0.3422</b>	<b>1.0600e-003</b>	<b>0.1118</b>	<b>8.5000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.8000e-004</b>	<b>0.0304</b>		<b>105.8482</b>	<b>105.8482</b>	<b>2.7300e-003</b>		<b>105.9166</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4508	0.0000	2.4508	1.0427	0.0000	1.0427			0.0000			0.0000
Off-Road	1.1222	11.7275	8.8094	0.0193		0.4959	0.4959		0.4562	0.4562	0.0000	1,864.8770	1,864.8770	0.6031		1,879.9554
<b>Total</b>	<b>1.1222</b>	<b>11.7275</b>	<b>8.8094</b>	<b>0.0193</b>	<b>2.4508</b>	<b>0.4959</b>	<b>2.9467</b>	<b>1.0427</b>	<b>0.4562</b>	<b>1.4989</b>	<b>0.0000</b>	<b>1,864.8770</b>	<b>1,864.8770</b>	<b>0.6031</b>		<b>1,879.9554</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.4 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0377	0.0241	0.3422	1.0600e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		105.8482	105.8482	2.7300e-003		105.9166
<b>Total</b>	<b>0.0377</b>	<b>0.0241</b>	<b>0.3422</b>	<b>1.0600e-003</b>	<b>0.1118</b>	<b>8.5000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.8000e-004</b>	<b>0.0304</b>		<b>105.8482</b>	<b>105.8482</b>	<b>2.7300e-003</b>		<b>105.9166</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>		<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>



Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0212	0.7006	0.2169	2.4600e-003	0.0640	8.1000e-004	0.0648	0.0184	7.7000e-004	0.0192		263.9074	263.9074	0.0139		264.2539
Worker	0.2602	0.1662	2.3613	7.3300e-003	0.7713	5.8700e-003	0.7771	0.2045	5.4000e-003	0.2099		730.3526	730.3526	0.0189		730.8242
<b>Total</b>	<b>0.2813</b>	<b>0.8667</b>	<b>2.5782</b>	<b>9.7900e-003</b>	<b>0.8353</b>	<b>6.6800e-003</b>	<b>0.8420</b>	<b>0.2230</b>	<b>6.1700e-003</b>	<b>0.2292</b>		<b>994.2600</b>	<b>994.2600</b>	<b>0.0327</b>		<b>995.0781</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>	<b>0.0000</b>	<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0212	0.7006	0.2169	2.4600e-003	0.0640	8.1000e-004	0.0648	0.0184	7.7000e-004	0.0192		263.9074	263.9074	0.0139		264.2539
Worker	0.2602	0.1662	2.3613	7.3300e-003	0.7713	5.8700e-003	0.7771	0.2045	5.4000e-003	0.2099		730.3526	730.3526	0.0189		730.8242
<b>Total</b>	<b>0.2813</b>	<b>0.8667</b>	<b>2.5782</b>	<b>9.7900e-003</b>	<b>0.8353</b>	<b>6.6800e-003</b>	<b>0.8420</b>	<b>0.2230</b>	<b>6.1700e-003</b>	<b>0.2292</b>		<b>994.2600</b>	<b>994.2600</b>	<b>0.0327</b>		<b>995.0781</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>		<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0207	0.6979	0.2103	2.4500e-003	0.0640	8.0000e-004	0.0648	0.0184	7.6000e-004	0.0192		262.8364	262.8364	0.0137		263.1779
Worker	0.2461	0.1515	2.2013	7.1000e-003	0.7713	5.7800e-003	0.7770	0.2045	5.3200e-003	0.2099		707.7180	707.7180	0.0173		708.1507
<b>Total</b>	<b>0.2668</b>	<b>0.8494</b>	<b>2.4115</b>	<b>9.5500e-003</b>	<b>0.8353</b>	<b>6.5800e-003</b>	<b>0.8419</b>	<b>0.2230</b>	<b>6.0800e-003</b>	<b>0.2291</b>		<b>970.5544</b>	<b>970.5544</b>	<b>0.0310</b>		<b>971.3286</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>	<b>0.0000</b>	<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0207	0.6979	0.2103	2.4500e-003	0.0640	8.0000e-004	0.0648	0.0184	7.6000e-004	0.0192		262.8364	262.8364	0.0137		263.1779
Worker	0.2461	0.1515	2.2013	7.1000e-003	0.7713	5.7800e-003	0.7770	0.2045	5.3200e-003	0.2099		707.7180	707.7180	0.0173		708.1507
<b>Total</b>	<b>0.2668</b>	<b>0.8494</b>	<b>2.4115</b>	<b>9.5500e-003</b>	<b>0.8353</b>	<b>6.5800e-003</b>	<b>0.8419</b>	<b>0.2230</b>	<b>6.0800e-003</b>	<b>0.2291</b>		<b>970.5544</b>	<b>970.5544</b>	<b>0.0310</b>		<b>971.3286</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6180</b>	<b>5.8607</b>	<b>8.8253</b>	<b>0.0136</b>		<b>0.2810</b>	<b>0.2810</b>		<b>0.2594</b>	<b>0.2594</b>		<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0464	0.0286	0.4147	1.3400e-003	0.1453	1.0900e-003	0.1464	0.0385	1.0000e-003	0.0395		133.3382	133.3382	3.2600e-003		133.4197
<b>Total</b>	<b>0.0464</b>	<b>0.0286</b>	<b>0.4147</b>	<b>1.3400e-003</b>	<b>0.1453</b>	<b>1.0900e-003</b>	<b>0.1464</b>	<b>0.0385</b>	<b>1.0000e-003</b>	<b>0.0395</b>		<b>133.3382</b>	<b>133.3382</b>	<b>3.2600e-003</b>		<b>133.4197</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6180</b>	<b>5.8607</b>	<b>8.8253</b>	<b>0.0136</b>		<b>0.2810</b>	<b>0.2810</b>		<b>0.2594</b>	<b>0.2594</b>	<b>0.0000</b>	<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0464	0.0286	0.4147	1.3400e-003	0.1453	1.0900e-003	0.1464	0.0385	1.0000e-003	0.0395		133.3382	133.3382	3.2600e-003		133.4197
<b>Total</b>	<b>0.0464</b>	<b>0.0286</b>	<b>0.4147</b>	<b>1.3400e-003</b>	<b>0.1453</b>	<b>1.0900e-003</b>	<b>0.1464</b>	<b>0.0385</b>	<b>1.0000e-003</b>	<b>0.0395</b>		<b>133.3382</b>	<b>133.3382</b>	<b>3.2600e-003</b>		<b>133.4197</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.6087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>54.7895</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0499	0.0307	0.4466	1.4400e-003	0.1565	1.1700e-003	0.1577	0.0415	1.0800e-003	0.0426		143.5950	143.5950	3.5100e-003		143.6828
<b>Total</b>	<b>0.0499</b>	<b>0.0307</b>	<b>0.4466</b>	<b>1.4400e-003</b>	<b>0.1565</b>	<b>1.1700e-003</b>	<b>0.1577</b>	<b>0.0415</b>	<b>1.0800e-003</b>	<b>0.0426</b>		<b>143.5950</b>	<b>143.5950</b>	<b>3.5100e-003</b>		<b>143.6828</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.6087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>54.7895</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0499	0.0307	0.4466	1.4400e-003	0.1565	1.1700e-003	0.1577	0.0415	1.0800e-003	0.0426		143.5950	143.5950	3.5100e-003		143.6828
<b>Total</b>	<b>0.0499</b>	<b>0.0307</b>	<b>0.4466</b>	<b>1.4400e-003</b>	<b>0.1565</b>	<b>1.1700e-003</b>	<b>0.1577</b>	<b>0.0415</b>	<b>1.0800e-003</b>	<b>0.0426</b>		<b>143.5950</b>	<b>143.5950</b>	<b>3.5100e-003</b>		<b>143.6828</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	1.0217	4.4266	13.8181	0.0562	4.9935	0.0413	5.0348	1.3361	0.0384	1.3744		5,732.122 2	5,732.122 2	0.2585		5,738.585 6
Unmitigated	1.0217	4.4266	13.8181	0.0562	4.9935	0.0413	5.0348	1.3361	0.0384	1.3744		5,732.122 2	5,732.122 2	0.2585		5,738.585 6

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	632.64	687.36	582.72	2,164,170	2,164,170
Total	632.64	687.36	582.72	2,164,170	2,164,170

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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
NaturalGas Unmitigated	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026

**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	4297.58	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
<b>Total</b>		<b>0.0464</b>	<b>0.3961</b>	<b>0.1685</b>	<b>2.5300e-003</b>		<b>0.0320</b>	<b>0.0320</b>		<b>0.0320</b>	<b>0.0320</b>		<b>505.5980</b>	<b>505.5980</b>	<b>9.6900e-003</b>	<b>9.2700e-003</b>	<b>508.6026</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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					
Apartments Low Rise	4.29758	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
<b>Total</b>		<b>0.0464</b>	<b>0.3961</b>	<b>0.1685</b>	<b>2.5300e-003</b>		<b>0.0320</b>	<b>0.0320</b>		<b>0.0320</b>	<b>0.0320</b>		<b>505.5980</b>	<b>505.5980</b>	<b>9.6900e-003</b>	<b>9.2700e-003</b>	<b>508.6026</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	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024
Unmitigated	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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	0.1646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2376	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439		14.2610	14.2610	0.0137		14.6024
<b>Total</b>	<b>2.3029</b>	<b>0.0911</b>	<b>7.9126</b>	<b>4.2000e-004</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>	<b>0.0000</b>	<b>14.2610</b>	<b>14.2610</b>	<b>0.0137</b>	<b>0.0000</b>	<b>14.6024</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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	0.1646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2376	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439		14.2610	14.2610	0.0137		14.6024
<b>Total</b>	<b>2.3029</b>	<b>0.0911</b>	<b>7.9126</b>	<b>4.2000e-004</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>	<b>0.0000</b>	<b>14.2610</b>	<b>14.2610</b>	<b>0.0137</b>	<b>0.0000</b>	<b>14.6024</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

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

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Summer

**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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Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**Rose Hill Court - Construction Phase 2 Nov Rev**  
**Los Angeles-South Coast County, Winter**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	96.00	Dwelling Unit	6.00	96,000.00	275

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2025
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

Project Characteristics -

Land Use - Lot acreage for Phase 2 is 3.54, structure square footage is 114,000

Construction Phase - Project Phase 2 is expected to take 18 months

Off-road Equipment - Lead removal activity will be limited to targeted area

Trips and VMT - Closest landfill that accepts asbestos is in Azusa

Closest landfill that accepts hazardous material is Kettleman

Demolition -

Grading - Estimated area of contamination

Woodstoves - No hearth or fireplaces

Construction Off-road Equipment Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	82.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	11.00
tblFireplaces	NumberGas	81.60	0.00
tblFireplaces	NumberNoFireplace	9.60	96.00
tblFireplaces	NumberWood	4.80	0.00
tblGrading	AcresOfGrading	2.25	10.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	MaterialExported	0.00	1,200.00
tblGrading	MaterialImported	0.00	1,200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00



## Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	75.00
tblTripsAndVMT	HaulingTripNumber	300.00	60.00
tblWoodstoves	NumberCatalytic	4.80	0.00
tblWoodstoves	NumberNoncatalytic	4.80	0.00

## 2.0 Emissions Summary

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Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**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	2.4240	23.1762	24.7135	0.0453	1.3923	1.1009	2.4932	0.2630	1.0250	1.2880	0.0000	4,421.7719	4,421.7719	1.1102	0.0000	4,449.5267
2023	2.1480	19.7721	24.1333	0.0451	6.8159	0.9072	7.2934	3.4543	0.8450	3.8938	0.0000	4,399.2115	4,399.2115	1.1050	0.0000	4,426.8369
2024	54.8455	11.9263	14.7489	0.0311	0.8353	0.4572	1.2925	0.2230	0.4409	0.6639	0.0000	2,924.0716	2,924.0716	0.4145	0.0000	2,933.1728
<b>Maximum</b>	<b>54.8455</b>	<b>23.1762</b>	<b>24.7135</b>	<b>0.0453</b>	<b>6.8159</b>	<b>1.1009</b>	<b>7.2934</b>	<b>3.4543</b>	<b>1.0250</b>	<b>3.8938</b>	<b>0.0000</b>	<b>4,421.7719</b>	<b>4,421.7719</b>	<b>1.1102</b>	<b>0.0000</b>	<b>4,449.5267</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	2.4240	23.1762	24.7135	0.0453	0.8374	1.1009	1.9383	0.1790	1.0250	1.2040	0.0000	4,421.7719	4,421.7719	1.1102	0.0000	4,449.5266
2023	2.1480	19.7721	24.1333	0.0451	2.8726	0.9072	3.3501	1.4055	0.8450	1.8449	0.0000	4,399.2115	4,399.2115	1.1050	0.0000	4,426.8369
2024	54.8455	11.9263	14.7489	0.0311	0.8353	0.4572	1.2925	0.2230	0.4409	0.6639	0.0000	2,924.0716	2,924.0716	0.4145	0.0000	2,933.1728
<b>Maximum</b>	<b>54.8455</b>	<b>23.1762</b>	<b>24.7135</b>	<b>0.0453</b>	<b>2.8726</b>	<b>1.1009</b>	<b>3.3501</b>	<b>1.4055</b>	<b>1.0250</b>	<b>1.8449</b>	<b>0.0000</b>	<b>4,421.7719</b>	<b>4,421.7719</b>	<b>1.1102</b>	<b>0.0000</b>	<b>4,449.5266</b>

## Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	49.74	0.00	40.60	54.13	0.00	36.49	0.00	0.00	0.00	0.00	0.00	0.00

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**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	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024
Energy	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
Mobile	0.9896	4.5267	13.0671	0.0535	4.9935	0.0415	5.0350	1.3361	0.0385	1.3746		5,461.3467	5,461.3467	0.2578		5,467.7921
<b>Total</b>	<b>3.3389</b>	<b>5.0139</b>	<b>21.1482</b>	<b>0.0565</b>	<b>4.9935</b>	<b>0.1174</b>	<b>5.1109</b>	<b>1.3361</b>	<b>0.1144</b>	<b>1.4505</b>	<b>0.0000</b>	<b>5,981.2057</b>	<b>5,981.2057</b>	<b>0.2812</b>	<b>9.2700e-003</b>	<b>5,990.9971</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	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024
Energy	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
Mobile	0.9896	4.5267	13.0671	0.0535	4.9935	0.0415	5.0350	1.3361	0.0385	1.3746		5,461.3467	5,461.3467	0.2578		5,467.7921
<b>Total</b>	<b>3.3389</b>	<b>5.0139</b>	<b>21.1482</b>	<b>0.0565</b>	<b>4.9935</b>	<b>0.1174</b>	<b>5.1109</b>	<b>1.3361</b>	<b>0.1144</b>	<b>1.4505</b>	<b>0.0000</b>	<b>5,981.2057</b>	<b>5,981.2057</b>	<b>0.2812</b>	<b>9.2700e-003</b>	<b>5,990.9971</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	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	12/1/2022	3/24/2023	5	82	
2	Lead Contamination Removal	Site Preparation	3/26/2023	4/14/2023	5	15	
3	Grading	Grading	4/15/2023	4/24/2023	5	6	
4	Building Construction	Building Construction	4/25/2023	5/20/2024	5	280	
5	Paving	Paving	5/21/2024	6/7/2024	5	14	
6	Architectural Coating	Architectural Coating	6/8/2024	6/24/2024	5	11	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 10

Acres of Paving: 0

Residential Indoor: 194,400; Residential Outdoor: 64,800; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)

#### OffRoad Equipment

## Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Lead Contamination Removal	Rubber Tired Dozers	1	8.00	247	0.40
Lead Contamination Removal	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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**

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

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	8	20.00	0.00	345.00	14.70	6.90	23.00	LD_Mix	HDT_Mix	HHDT
Lead Contamination Removal	3	8.00	0.00	60.00	14.70	6.90	75.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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					0.9097	0.0000	0.9097	0.1377	0.0000	0.1377			0.0000			0.0000
Off-Road	2.2962	21.9527	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200		3,823.4627	3,823.4627	1.0772		3,850.3935
<b>Total</b>	<b>2.2962</b>	<b>21.9527</b>	<b>23.7259</b>	<b>0.0396</b>	<b>0.9097</b>	<b>1.0956</b>	<b>2.0053</b>	<b>0.1377</b>	<b>1.0200</b>	<b>1.1577</b>		<b>3,823.4627</b>	<b>3,823.4627</b>	<b>1.0772</b>		<b>3,850.3935</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2022**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0383	1.1646	0.3092	3.6000e-003	0.2591	3.4900e-003	0.2625	0.0660	3.3400e-003	0.0694		391.3953	391.3953	0.0273		392.0768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
<b>Total</b>	<b>0.1278</b>	<b>1.2235</b>	<b>0.9876</b>	<b>5.6800e-003</b>	<b>0.4826</b>	<b>5.2400e-003</b>	<b>0.4878</b>	<b>0.1253</b>	<b>4.9500e-003</b>	<b>0.1303</b>		<b>598.3092</b>	<b>598.3092</b>	<b>0.0330</b>		<b>599.1331</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3548	0.0000	0.3548	0.0537	0.0000	0.0537			0.0000			0.0000
Off-Road	2.2962	21.9527	23.7259	0.0396		1.0956	1.0956		1.0200	1.0200	0.0000	3,823.4627	3,823.4627	1.0772		3,850.3935
<b>Total</b>	<b>2.2962</b>	<b>21.9527</b>	<b>23.7259</b>	<b>0.0396</b>	<b>0.3548</b>	<b>1.0956</b>	<b>1.4504</b>	<b>0.0537</b>	<b>1.0200</b>	<b>1.0737</b>	<b>0.0000</b>	<b>3,823.4627</b>	<b>3,823.4627</b>	<b>1.0772</b>		<b>3,850.3935</b>



Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2022**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0383	1.1646	0.3092	3.6000e-003	0.2591	3.4900e-003	0.2625	0.0660	3.3400e-003	0.0694		391.3953	391.3953	0.0273		392.0768
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0896	0.0589	0.6784	2.0800e-003	0.2236	1.7500e-003	0.2253	0.0593	1.6100e-003	0.0609		206.9139	206.9139	5.7000e-003		207.0563
<b>Total</b>	<b>0.1278</b>	<b>1.2235</b>	<b>0.9876</b>	<b>5.6800e-003</b>	<b>0.4826</b>	<b>5.2400e-003</b>	<b>0.4878</b>	<b>0.1253</b>	<b>4.9500e-003</b>	<b>0.1303</b>		<b>598.3092</b>	<b>598.3092</b>	<b>0.0330</b>		<b>599.1331</b>

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.9097	0.0000	0.9097	0.1377	0.0000	0.1377			0.0000			0.0000
Off-Road	2.0385	18.9643	23.2310	0.0396		0.9041	0.9041		0.8420	0.8420		3,824.7128	3,824.7128	1.0745		3,851.5755
<b>Total</b>	<b>2.0385</b>	<b>18.9643</b>	<b>23.2310</b>	<b>0.0396</b>	<b>0.9097</b>	<b>0.9041</b>	<b>1.8137</b>	<b>0.1377</b>	<b>0.8420</b>	<b>0.9797</b>		<b>3,824.7128</b>	<b>3,824.7128</b>	<b>1.0745</b>		<b>3,851.5755</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0251	0.7545	0.2788	3.4400e-003	0.1081	1.4600e-003	0.1095	0.0290	1.4000e-003	0.0304		375.1546	375.1546	0.0254		375.7890
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724
<b>Total</b>	<b>0.1095</b>	<b>0.8078</b>	<b>0.9023</b>	<b>5.4400e-003</b>	<b>0.3316</b>	<b>3.1600e-003</b>	<b>0.3348</b>	<b>0.0882</b>	<b>2.9700e-003</b>	<b>0.0912</b>		<b>574.4987</b>	<b>574.4987</b>	<b>0.0305</b>		<b>575.2614</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					0.3548	0.0000	0.3548	0.0537	0.0000	0.0537			0.0000			0.0000
Off-Road	2.0385	18.9643	23.2310	0.0396		0.9041	0.9041		0.8420	0.8420	0.0000	3,824.7128	3,824.7128	1.0745		3,851.5755
<b>Total</b>	<b>2.0385</b>	<b>18.9643</b>	<b>23.2310</b>	<b>0.0396</b>	<b>0.3548</b>	<b>0.9041</b>	<b>1.2588</b>	<b>0.0537</b>	<b>0.8420</b>	<b>0.8957</b>	<b>0.0000</b>	<b>3,824.7128</b>	<b>3,824.7128</b>	<b>1.0745</b>		<b>3,851.5755</b>

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**3.2 Demolition - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0251	0.7545	0.2788	3.4400e-003	0.1081	1.4600e-003	0.1095	0.0290	1.4000e-003	0.0304		375.1546	375.1546	0.0254		375.7890
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0844	0.0533	0.6235	2.0000e-003	0.2236	1.7000e-003	0.2253	0.0593	1.5700e-003	0.0609		199.3441	199.3441	5.1300e-003		199.4724
<b>Total</b>	<b>0.1095</b>	<b>0.8078</b>	<b>0.9023</b>	<b>5.4400e-003</b>	<b>0.3316</b>	<b>3.1600e-003</b>	<b>0.3348</b>	<b>0.0882</b>	<b>2.9700e-003</b>	<b>0.0912</b>		<b>574.4987</b>	<b>574.4987</b>	<b>0.0305</b>		<b>575.2614</b>

**3.3 Lead Contamination Removal - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.4644	0.0000	6.4644	3.3588	0.0000	3.3588			0.0000			0.0000
Off-Road	0.9874	10.1985	7.5690	0.0148		0.4726	0.4726		0.4348	0.4348		1,430.1537	1,430.1537	0.4625		1,441.7172
<b>Total</b>	<b>0.9874</b>	<b>10.1985</b>	<b>7.5690</b>	<b>0.0148</b>	<b>6.4644</b>	<b>0.4726</b>	<b>6.9369</b>	<b>3.3588</b>	<b>0.4348</b>	<b>3.7935</b>		<b>1,430.1537</b>	<b>1,430.1537</b>	<b>0.4625</b>		<b>1,441.7172</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.3 Lead Contamination Removal - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0670	1.6739	0.7502	9.9000e-003	0.2621	4.2800e-003	0.2664	0.0718	4.0900e-003	0.0759		1,077.9682	1,077.9682	0.0667		1,079.6367
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
<b>Total</b>	<b>0.1008</b>	<b>1.6952</b>	<b>0.9996</b>	<b>0.0107</b>	<b>0.3515</b>	<b>4.9600e-003</b>	<b>0.3565</b>	<b>0.0955</b>	<b>4.7200e-003</b>	<b>0.1003</b>		<b>1,157.7059</b>	<b>1,157.7059</b>	<b>0.0688</b>		<b>1,159.4256</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.5211	0.0000	2.5211	1.3099	0.0000	1.3099			0.0000			0.0000
Off-Road	0.9874	10.1985	7.5690	0.0148		0.4726	0.4726		0.4348	0.4348	0.0000	1,430.1537	1,430.1537	0.4625		1,441.7172
<b>Total</b>	<b>0.9874</b>	<b>10.1985</b>	<b>7.5690</b>	<b>0.0148</b>	<b>2.5211</b>	<b>0.4726</b>	<b>2.9937</b>	<b>1.3099</b>	<b>0.4348</b>	<b>1.7447</b>	<b>0.0000</b>	<b>1,430.1537</b>	<b>1,430.1537</b>	<b>0.4625</b>		<b>1,441.7172</b>

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**3.3 Lead Contamination Removal - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0670	1.6739	0.7502	9.9000e-003	0.2621	4.2800e-003	0.2664	0.0718	4.0900e-003	0.0759		1,077.9682	1,077.9682	0.0667		1,079.6367
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0338	0.0213	0.2494	8.0000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.3000e-004	0.0243		79.7377	79.7377	2.0500e-003		79.7890
<b>Total</b>	<b>0.1008</b>	<b>1.6952</b>	<b>0.9996</b>	<b>0.0107</b>	<b>0.3515</b>	<b>4.9600e-003</b>	<b>0.3565</b>	<b>0.0955</b>	<b>4.7200e-003</b>	<b>0.1003</b>		<b>1,157.7059</b>	<b>1,157.7059</b>	<b>0.0688</b>		<b>1,159.4256</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					6.2841	0.0000	6.2841	2.6735	0.0000	2.6735			0.0000			0.0000
Off-Road	1.1222	11.7275	8.8094	0.0193		0.4959	0.4959		0.4562	0.4562		1,864.8770	1,864.8770	0.6031		1,879.9554
<b>Total</b>	<b>1.1222</b>	<b>11.7275</b>	<b>8.8094</b>	<b>0.0193</b>	<b>6.2841</b>	<b>0.4959</b>	<b>6.7800</b>	<b>2.6735</b>	<b>0.4562</b>	<b>3.1298</b>		<b>1,864.8770</b>	<b>1,864.8770</b>	<b>0.6031</b>		<b>1,879.9554</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.4 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
<b>Total</b>	<b>0.0422</b>	<b>0.0266</b>	<b>0.3118</b>	<b>1.0000e-003</b>	<b>0.1118</b>	<b>8.5000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.8000e-004</b>	<b>0.0304</b>		<b>99.6721</b>	<b>99.6721</b>	<b>2.5700e-003</b>		<b>99.7362</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.4508	0.0000	2.4508	1.0427	0.0000	1.0427			0.0000			0.0000
Off-Road	1.1222	11.7275	8.8094	0.0193		0.4959	0.4959		0.4562	0.4562	0.0000	1,864.8770	1,864.8770	0.6031		1,879.9554
<b>Total</b>	<b>1.1222</b>	<b>11.7275</b>	<b>8.8094</b>	<b>0.0193</b>	<b>2.4508</b>	<b>0.4959</b>	<b>2.9467</b>	<b>1.0427</b>	<b>0.4562</b>	<b>1.4989</b>	<b>0.0000</b>	<b>1,864.8770</b>	<b>1,864.8770</b>	<b>0.6031</b>		<b>1,879.9554</b>

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**3.4 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0422	0.0266	0.3118	1.0000e-003	0.1118	8.5000e-004	0.1126	0.0296	7.8000e-004	0.0304		99.6721	99.6721	2.5700e-003		99.7362
<b>Total</b>	<b>0.0422</b>	<b>0.0266</b>	<b>0.3118</b>	<b>1.0000e-003</b>	<b>0.1118</b>	<b>8.5000e-004</b>	<b>0.1126</b>	<b>0.0296</b>	<b>7.8000e-004</b>	<b>0.0304</b>		<b>99.6721</b>	<b>99.6721</b>	<b>2.5700e-003</b>		<b>99.7362</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968		2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>		<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>

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**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6974	0.2362	2.4000e-003	0.0640	8.5000e-004	0.0649	0.0184	8.1000e-004	0.0193		256.7413	256.7413	0.0147		257.1078
Worker	0.2911	0.1838	2.1512	6.9000e-003	0.7713	5.8700e-003	0.7771	0.2045	5.4000e-003	0.2099		687.7372	687.7372	0.0177		688.1797
<b>Total</b>	<b>0.3134</b>	<b>0.8812</b>	<b>2.3874</b>	<b>9.3000e-003</b>	<b>0.8353</b>	<b>6.7200e-003</b>	<b>0.8420</b>	<b>0.2230</b>	<b>6.2100e-003</b>	<b>0.2292</b>		<b>944.4785</b>	<b>944.4785</b>	<b>0.0324</b>		<b>945.2875</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5233	11.7104	12.6111	0.0221		0.5145	0.5145		0.4968	0.4968	0.0000	2,001.7877	2,001.7877	0.3399		2,010.2858
<b>Total</b>	<b>1.5233</b>	<b>11.7104</b>	<b>12.6111</b>	<b>0.0221</b>		<b>0.5145</b>	<b>0.5145</b>		<b>0.4968</b>	<b>0.4968</b>	<b>0.0000</b>	<b>2,001.7877</b>	<b>2,001.7877</b>	<b>0.3399</b>		<b>2,010.2858</b>



Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.6974	0.2362	2.4000e-003	0.0640	8.5000e-004	0.0649	0.0184	8.1000e-004	0.0193		256.7413	256.7413	0.0147		257.1078
Worker	0.2911	0.1838	2.1512	6.9000e-003	0.7713	5.8700e-003	0.7771	0.2045	5.4000e-003	0.2099		687.7372	687.7372	0.0177		688.1797
<b>Total</b>	<b>0.3134</b>	<b>0.8812</b>	<b>2.3874</b>	<b>9.3000e-003</b>	<b>0.8353</b>	<b>6.7200e-003</b>	<b>0.8420</b>	<b>0.2230</b>	<b>6.2100e-003</b>	<b>0.2292</b>		<b>944.4785</b>	<b>944.4785</b>	<b>0.0324</b>		<b>945.2875</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348		2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>		<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.6949	0.2290	2.3900e-003	0.0640	8.4000e-004	0.0649	0.0184	8.0000e-004	0.0192		255.7456	255.7456	0.0144		256.1065
Worker	0.2763	0.1676	2.0027	6.6800e-003	0.7713	5.7800e-003	0.7770	0.2045	5.3200e-003	0.2099		666.4046	666.4046	0.0162		666.8100
<b>Total</b>	<b>0.2980</b>	<b>0.8625</b>	<b>2.2317</b>	<b>9.0700e-003</b>	<b>0.8353</b>	<b>6.6200e-003</b>	<b>0.8419</b>	<b>0.2230</b>	<b>6.1200e-003</b>	<b>0.2291</b>		<b>922.1502</b>	<b>922.1502</b>	<b>0.0307</b>		<b>922.9165</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.4200	11.0639	12.5172	0.0221		0.4506	0.4506		0.4348	0.4348	0.0000	2,001.9214	2,001.9214	0.3334		2,010.2563
<b>Total</b>	<b>1.4200</b>	<b>11.0639</b>	<b>12.5172</b>	<b>0.0221</b>		<b>0.4506</b>	<b>0.4506</b>		<b>0.4348</b>	<b>0.4348</b>	<b>0.0000</b>	<b>2,001.9214</b>	<b>2,001.9214</b>	<b>0.3334</b>		<b>2,010.2563</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0217	0.6949	0.2290	2.3900e-003	0.0640	8.4000e-004	0.0649	0.0184	8.0000e-004	0.0192		255.7456	255.7456	0.0144		256.1065
Worker	0.2763	0.1676	2.0027	6.6800e-003	0.7713	5.7800e-003	0.7770	0.2045	5.3200e-003	0.2099		666.4046	666.4046	0.0162		666.8100
<b>Total</b>	<b>0.2980</b>	<b>0.8625</b>	<b>2.2317</b>	<b>9.0700e-003</b>	<b>0.8353</b>	<b>6.6200e-003</b>	<b>0.8419</b>	<b>0.2230</b>	<b>6.1200e-003</b>	<b>0.2291</b>		<b>922.1502</b>	<b>922.1502</b>	<b>0.0307</b>		<b>922.9165</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594		1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6180</b>	<b>5.8607</b>	<b>8.8253</b>	<b>0.0136</b>		<b>0.2810</b>	<b>0.2810</b>		<b>0.2594</b>	<b>0.2594</b>		<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.3773	1.2600e-003	0.1453	1.0900e-003	0.1464	0.0385	1.0000e-003	0.0395		125.5545	125.5545	3.0600e-003		125.6309
<b>Total</b>	<b>0.0521</b>	<b>0.0316</b>	<b>0.3773</b>	<b>1.2600e-003</b>	<b>0.1453</b>	<b>1.0900e-003</b>	<b>0.1464</b>	<b>0.0385</b>	<b>1.0000e-003</b>	<b>0.0395</b>		<b>125.5545</b>	<b>125.5545</b>	<b>3.0600e-003</b>		<b>125.6309</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.6180	5.8607	8.8253	0.0136		0.2810	0.2810		0.2594	0.2594	0.0000	1,297.8688	1,297.8688	0.4114		1,308.1547
Paving	0.0000					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.6180</b>	<b>5.8607</b>	<b>8.8253</b>	<b>0.0136</b>		<b>0.2810</b>	<b>0.2810</b>		<b>0.2594</b>	<b>0.2594</b>	<b>0.0000</b>	<b>1,297.8688</b>	<b>1,297.8688</b>	<b>0.4114</b>		<b>1,308.1547</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0521	0.0316	0.3773	1.2600e-003	0.1453	1.0900e-003	0.1464	0.0385	1.0000e-003	0.0395		125.5545	125.5545	3.0600e-003		125.6309
<b>Total</b>	<b>0.0521</b>	<b>0.0316</b>	<b>0.3773</b>	<b>1.2600e-003</b>	<b>0.1453</b>	<b>1.0900e-003</b>	<b>0.1464</b>	<b>0.0385</b>	<b>1.0000e-003</b>	<b>0.0395</b>		<b>125.5545</b>	<b>125.5545</b>	<b>3.0600e-003</b>		<b>125.6309</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.6087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609		281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>54.7895</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0340	0.4063	1.3600e-003	0.1565	1.1700e-003	0.1577	0.0415	1.0800e-003	0.0426		135.2125	135.2125	3.2900e-003		135.2948
<b>Total</b>	<b>0.0561</b>	<b>0.0340</b>	<b>0.4063</b>	<b>1.3600e-003</b>	<b>0.1565</b>	<b>1.1700e-003</b>	<b>0.1577</b>	<b>0.0415</b>	<b>1.0800e-003</b>	<b>0.0426</b>		<b>135.2125</b>	<b>135.2125</b>	<b>3.2900e-003</b>		<b>135.2948</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	54.6087					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.1808	1.2188	1.8101	2.9700e-003		0.0609	0.0609		0.0609	0.0609	0.0000	281.4481	281.4481	0.0159		281.8443
<b>Total</b>	<b>54.7895</b>	<b>1.2188</b>	<b>1.8101</b>	<b>2.9700e-003</b>		<b>0.0609</b>	<b>0.0609</b>		<b>0.0609</b>	<b>0.0609</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0159</b>		<b>281.8443</b>

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**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0561	0.0340	0.4063	1.3600e-003	0.1565	1.1700e-003	0.1577	0.0415	1.0800e-003	0.0426		135.2125	135.2125	3.2900e-003		135.2948
<b>Total</b>	<b>0.0561</b>	<b>0.0340</b>	<b>0.4063</b>	<b>1.3600e-003</b>	<b>0.1565</b>	<b>1.1700e-003</b>	<b>0.1577</b>	<b>0.0415</b>	<b>1.0800e-003</b>	<b>0.0426</b>		<b>135.2125</b>	<b>135.2125</b>	<b>3.2900e-003</b>		<b>135.2948</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 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	0.9896	4.5267	13.0671	0.0535	4.9935	0.0415	5.0350	1.3361	0.0385	1.3746		5,461.3467	5,461.3467	0.2578		5,467.7921
Unmitigated	0.9896	4.5267	13.0671	0.0535	4.9935	0.0415	5.0350	1.3361	0.0385	1.3746		5,461.3467	5,461.3467	0.2578		5,467.7921

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	632.64	687.36	582.72	2,164,170	2,164,170
Total	632.64	687.36	582.72	2,164,170	2,164,170

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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N



Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**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	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
NaturalGas Unmitigated	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026

**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	4297.58	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
<b>Total</b>		<b>0.0464</b>	<b>0.3961</b>	<b>0.1685</b>	<b>2.5300e-003</b>		<b>0.0320</b>	<b>0.0320</b>		<b>0.0320</b>	<b>0.0320</b>		<b>505.5980</b>	<b>505.5980</b>	<b>9.6900e-003</b>	<b>9.2700e-003</b>	<b>508.6026</b>

Rose Hill Court - Construction Phase 2 Nov Rev - Los Angeles-South Coast County, Winter

**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	4.29758	0.0464	0.3961	0.1685	2.5300e-003		0.0320	0.0320		0.0320	0.0320		505.5980	505.5980	9.6900e-003	9.2700e-003	508.6026
<b>Total</b>		<b>0.0464</b>	<b>0.3961</b>	<b>0.1685</b>	<b>2.5300e-003</b>		<b>0.0320</b>	<b>0.0320</b>		<b>0.0320</b>	<b>0.0320</b>		<b>505.5980</b>	<b>505.5980</b>	<b>9.6900e-003</b>	<b>9.2700e-003</b>	<b>508.6026</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	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024
Unmitigated	2.3030	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439	0.0000	14.2610	14.2610	0.0137	0.0000	14.6024

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**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	0.1646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2376	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439		14.2610	14.2610	0.0137		14.6024
<b>Total</b>	<b>2.3029</b>	<b>0.0911</b>	<b>7.9126</b>	<b>4.2000e-004</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>	<b>0.0000</b>	<b>14.2610</b>	<b>14.2610</b>	<b>0.0137</b>	<b>0.0000</b>	<b>14.6024</b>

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**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	0.1646					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1.9008					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.2376	0.0911	7.9126	4.2000e-004		0.0439	0.0439		0.0439	0.0439		14.2610	14.2610	0.0137		14.6024
<b>Total</b>	<b>2.3029</b>	<b>0.0911</b>	<b>7.9126</b>	<b>4.2000e-004</b>		<b>0.0439</b>	<b>0.0439</b>		<b>0.0439</b>	<b>0.0439</b>	<b>0.0000</b>	<b>14.2610</b>	<b>14.2610</b>	<b>0.0137</b>	<b>0.0000</b>	<b>14.6024</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

**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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**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

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**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Apartments Low Rise	96.00	Dwelling Unit	6.00	96,000.00	275

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	33
<b>Climate Zone</b>	9			<b>Operational Year</b>	2025
<b>Utility Company</b>	Los Angeles Department of Water & Power				
<b>CO2 Intensity (lb/MWhr)</b>	1227.89	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

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

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Project Characteristics -

Land Use - Lot acreage for Phase 2 is 3.54, structure square footage is 114,000

Construction Phase - Project Phase 2 is expected to take 18 months

Off-road Equipment - Lead removal activity will be limited to targeted area

Trips and VMT - Closest landfill that accepts asbestos is in Azusa

Closest landfill that accepts hazardous material is Kettleman

Demolition -

Grading - Estimated area of contamination

Woodstoves - No hearth or fireplaces

Construction Off-road Equipment Mitigation -

Water Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	0	15
tblConstructionPhase	NumDays	20.00	82.00
tblConstructionPhase	NumDays	10.00	15.00
tblConstructionPhase	NumDays	20.00	6.00
tblConstructionPhase	NumDays	230.00	280.00
tblConstructionPhase	NumDays	20.00	14.00
tblConstructionPhase	NumDays	20.00	11.00
tblFireplaces	NumberGas	81.60	0.00
tblFireplaces	NumberNoFireplace	9.60	96.00
tblFireplaces	NumberWood	4.80	0.00
tblGrading	AcresOfGrading	2.25	10.00
tblGrading	AcresOfGrading	0.00	6.00
tblGrading	MaterialExported	0.00	1,200.00
tblGrading	MaterialImported	0.00	1,200.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00

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tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	2.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	3.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	4.00	2.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	3.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	6.00
tblOffRoadEquipment	UsageHours	7.00	6.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	23.00
tblTripsAndVMT	HaulingTripLength	20.00	180.00
tblTripsAndVMT	HaulingTripNumber	300.00	60.00
tblWoodstoves	NumberCatalytic	4.80	0.00
tblWoodstoves	NumberNoncatalytic	4.80	0.00

## 2.0 Emissions Summary

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0266	0.2552	0.2720	5.0000e-004	0.0152	0.0121	0.0273	2.8700e-003	0.0113	0.0141	0.0000	44.1949	44.1949	0.0111	0.0000	44.4718
2023	0.2381	1.8614	2.1703	4.5300e-003	0.1833	0.0790	0.2623	0.0611	0.0751	0.1362	0.0000	393.2908	393.2908	0.0661	0.0000	394.9440
2024	0.3916	0.6512	0.8240	1.7100e-003	0.0432	0.0254	0.0686	0.0116	0.0244	0.0360	0.0000	145.7989	145.7989	0.0194	0.0000	146.2838
<b>Maximum</b>	<b>0.3916</b>	<b>1.8614</b>	<b>2.1703</b>	<b>4.5300e-003</b>	<b>0.1833</b>	<b>0.0790</b>	<b>0.2623</b>	<b>0.0611</b>	<b>0.0751</b>	<b>0.1362</b>	<b>0.0000</b>	<b>393.2908</b>	<b>393.2908</b>	<b>0.0661</b>	<b>0.0000</b>	<b>394.9440</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2022	0.0266	0.2552	0.2720	5.0000e-004	9.1000e-003	0.0121	0.0212	1.9400e-003	0.0113	0.0132	0.0000	44.1949	44.1949	0.0111	0.0000	44.4718
2023	0.2381	1.8614	2.1703	4.5300e-003	0.1256	0.0790	0.2046	0.0383	0.0751	0.1134	0.0000	393.2905	393.2905	0.0661	0.0000	394.9437
2024	0.3916	0.6512	0.8240	1.7100e-003	0.0432	0.0254	0.0686	0.0116	0.0244	0.0360	0.0000	145.7987	145.7987	0.0194	0.0000	146.2837
<b>Maximum</b>	<b>0.3916</b>	<b>1.8614</b>	<b>2.1703</b>	<b>4.5300e-003</b>	<b>0.1256</b>	<b>0.0790</b>	<b>0.2046</b>	<b>0.0383</b>	<b>0.0751</b>	<b>0.1134</b>	<b>0.0000</b>	<b>393.2905</b>	<b>393.2905</b>	<b>0.0661</b>	<b>0.0000</b>	<b>394.9437</b>

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	ROG	NOx	CO	SO2	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	26.41	0.00	17.82	31.40	0.00	12.72	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	12-1-2022	2-28-2023	0.7453	0.7453
2	3-1-2023	5-31-2023	0.5306	0.5306
3	6-1-2023	8-31-2023	0.4725	0.4725
4	9-1-2023	11-30-2023	0.4684	0.4684
5	12-1-2023	2-29-2024	0.4521	0.4521
6	3-1-2024	5-31-2024	0.4197	0.4197
7	6-1-2024	8-31-2024	0.3569	0.3569
		Highest	0.7453	0.7453

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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4066	0.0114	0.9891	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	1.6172	1.6172	1.5500e-003	0.0000	1.6559
Energy	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	310.4339	310.4339	6.9600e-003	2.6400e-003	311.3954
Mobile	0.1622	0.7720	2.2248	9.1000e-003	0.8212	6.9300e-003	0.8281	0.2201	6.4400e-003	0.2265	0.0000	842.3351	842.3351	0.0391	0.0000	843.3119
Waste						0.0000	0.0000		0.0000	0.0000	8.9641	0.0000	8.9641	0.5298	0.0000	22.2081
Water						0.0000	0.0000		0.0000	0.0000	1.9844	69.7611	71.7454	0.2055	5.1500e-003	78.4176
<b>Total</b>	<b>0.5773</b>	<b>0.8557</b>	<b>3.2447</b>	<b>9.6100e-003</b>	<b>0.8212</b>	<b>0.0183</b>	<b>0.8395</b>	<b>0.2201</b>	<b>0.0178</b>	<b>0.2378</b>	<b>10.9484</b>	<b>1,224.1472</b>	<b>1,235.0957</b>	<b>0.7828</b>	<b>7.7900e-003</b>	<b>1,256.9889</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.4066	0.0114	0.9891	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	1.6172	1.6172	1.5500e-003	0.0000	1.6559
Energy	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	310.4339	310.4339	6.9600e-003	2.6400e-003	311.3954
Mobile	0.1622	0.7720	2.2248	9.1000e-003	0.8212	6.9300e-003	0.8281	0.2201	6.4400e-003	0.2265	0.0000	842.3351	842.3351	0.0391	0.0000	843.3119
Waste						0.0000	0.0000		0.0000	0.0000	8.9641	0.0000	8.9641	0.5298	0.0000	22.2081
Water						0.0000	0.0000		0.0000	0.0000	1.9844	69.7611	71.7454	0.2055	5.1500e-003	78.4176
<b>Total</b>	<b>0.5773</b>	<b>0.8557</b>	<b>3.2447</b>	<b>9.6100e-003</b>	<b>0.8212</b>	<b>0.0183</b>	<b>0.8395</b>	<b>0.2201</b>	<b>0.0178</b>	<b>0.2378</b>	<b>10.9484</b>	<b>1,224.1472</b>	<b>1,235.0957</b>	<b>0.7828</b>	<b>7.7900e-003</b>	<b>1,256.9889</b>

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

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	12/1/2022	3/24/2023	5	82	
2	Lead Contamination Removal	Site Preparation	3/26/2023	4/14/2023	5	15	
3	Grading	Grading	4/15/2023	4/24/2023	5	6	
4	Building Construction	Building Construction	4/25/2023	5/20/2024	5	280	
5	Paving	Paving	5/21/2024	6/7/2024	5	14	
6	Architectural Coating	Architectural Coating	6/8/2024	6/24/2024	5	11	

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

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 0**

**Residential Indoor: 194,400; Residential Outdoor: 64,800; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	1	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Lead Contamination Removal	Rubber Tired Dozers	1	8.00	247	0.40
Lead Contamination Removal	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	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	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	8.00	132	0.36
Paving	Rollers	1	7.00	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**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	8	20.00	0.00	345.00	14.70	6.90	23.00	LD_Mix	HDT_Mix	HHDT
Lead Contamination Removal	3	8.00	0.00	60.00	14.70	6.90	180.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	69.00	10.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Reduce Vehicle Speed on Unpaved Roads

**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	tons/yr										MT/yr					
Fugitive Dust					0.0100	0.0000	0.0100	1.5200e-003	0.0000	1.5200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0253	0.2415	0.2610	4.4000e-004		0.0121	0.0121		0.0112	0.0112	0.0000	38.1545	38.1545	0.0108	0.0000	38.4232
<b>Total</b>	<b>0.0253</b>	<b>0.2415</b>	<b>0.2610</b>	<b>4.4000e-004</b>	<b>0.0100</b>	<b>0.0121</b>	<b>0.0221</b>	<b>1.5200e-003</b>	<b>0.0112</b>	<b>0.0127</b>	<b>0.0000</b>	<b>38.1545</b>	<b>38.1545</b>	<b>0.0108</b>	<b>0.0000</b>	<b>38.4232</b>

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**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0131	3.3100e-003	4.0000e-005	2.7900e-003	4.0000e-005	2.8300e-003	7.1000e-004	4.0000e-005	7.5000e-004	0.0000	3.9413	3.9413	2.7000e-004	0.0000	3.9480
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.7000e-004	7.6700e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0991	2.0991	6.0000e-005	0.0000	2.1006
<b>Total</b>	<b>1.3100e-003</b>	<b>0.0137</b>	<b>0.0110</b>	<b>6.0000e-005</b>	<b>5.2000e-003</b>	<b>6.0000e-005</b>	<b>5.2600e-003</b>	<b>1.3500e-003</b>	<b>6.0000e-005</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>6.0405</b>	<b>6.0405</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>6.0486</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-003	0.0000	3.9000e-003	5.9000e-004	0.0000	5.9000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0253	0.2415	0.2610	4.4000e-004		0.0121	0.0121		0.0112	0.0112	0.0000	38.1544	38.1544	0.0108	0.0000	38.4232
<b>Total</b>	<b>0.0253</b>	<b>0.2415</b>	<b>0.2610</b>	<b>4.4000e-004</b>	<b>3.9000e-003</b>	<b>0.0121</b>	<b>0.0160</b>	<b>5.9000e-004</b>	<b>0.0112</b>	<b>0.0118</b>	<b>0.0000</b>	<b>38.1544</b>	<b>38.1544</b>	<b>0.0108</b>	<b>0.0000</b>	<b>38.4232</b>



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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	4.2000e-004	0.0131	3.3100e-003	4.0000e-005	2.7900e-003	4.0000e-005	2.8300e-003	7.1000e-004	4.0000e-005	7.5000e-004	0.0000	3.9413	3.9413	2.7000e-004	0.0000	3.9480
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.9000e-004	6.7000e-004	7.6700e-003	2.0000e-005	2.4100e-003	2.0000e-005	2.4300e-003	6.4000e-004	2.0000e-005	6.6000e-004	0.0000	2.0991	2.0991	6.0000e-005	0.0000	2.1006
<b>Total</b>	<b>1.3100e-003</b>	<b>0.0137</b>	<b>0.0110</b>	<b>6.0000e-005</b>	<b>5.2000e-003</b>	<b>6.0000e-005</b>	<b>5.2600e-003</b>	<b>1.3500e-003</b>	<b>6.0000e-005</b>	<b>1.4100e-003</b>	<b>0.0000</b>	<b>6.0405</b>	<b>6.0405</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>6.0486</b>

**3.2 Demolition - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0273	0.0000	0.0273	4.1300e-003	0.0000	4.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0612	0.5689	0.6969	1.1900e-003		0.0271	0.0271		0.0253	0.0253	0.0000	104.0916	104.0916	0.0292	0.0000	104.8227
<b>Total</b>	<b>0.0612</b>	<b>0.5689</b>	<b>0.6969</b>	<b>1.1900e-003</b>	<b>0.0273</b>	<b>0.0271</b>	<b>0.0544</b>	<b>4.1300e-003</b>	<b>0.0253</b>	<b>0.0294</b>	<b>0.0000</b>	<b>104.0916</b>	<b>104.0916</b>	<b>0.0292</b>	<b>0.0000</b>	<b>104.8227</b>

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**3.2 Demolition - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.4000e-004	0.0231	8.1900e-003	1.0000e-004	3.1800e-003	4.0000e-005	3.2300e-003	8.5000e-004	4.0000e-005	9.0000e-004	0.0000	10.3025	10.3025	6.8000e-004	0.0000	10.3196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2800e-003	1.6400e-003	0.0192	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.5154	5.5154	1.4000e-004	0.0000	5.5190
<b>Total</b>	<b>3.0200e-003</b>	<b>0.0247</b>	<b>0.0274</b>	<b>1.6000e-004</b>	<b>9.7500e-003</b>	<b>9.0000e-005</b>	<b>9.8600e-003</b>	<b>2.6000e-003</b>	<b>9.0000e-005</b>	<b>2.6900e-003</b>	<b>0.0000</b>	<b>15.8180</b>	<b>15.8180</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>15.8385</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0106	0.0000	0.0106	1.6100e-003	0.0000	1.6100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0612	0.5689	0.6969	1.1900e-003		0.0271	0.0271		0.0253	0.0253	0.0000	104.0915	104.0915	0.0292	0.0000	104.8226
<b>Total</b>	<b>0.0612</b>	<b>0.5689</b>	<b>0.6969</b>	<b>1.1900e-003</b>	<b>0.0106</b>	<b>0.0271</b>	<b>0.0378</b>	<b>1.6100e-003</b>	<b>0.0253</b>	<b>0.0269</b>	<b>0.0000</b>	<b>104.0915</b>	<b>104.0915</b>	<b>0.0292</b>	<b>0.0000</b>	<b>104.8226</b>

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**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.4000e-004	0.0231	8.1900e-003	1.0000e-004	3.1800e-003	4.0000e-005	3.2300e-003	8.5000e-004	4.0000e-005	9.0000e-004	0.0000	10.3025	10.3025	6.8000e-004	0.0000	10.3196
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2800e-003	1.6400e-003	0.0192	6.0000e-005	6.5700e-003	5.0000e-005	6.6300e-003	1.7500e-003	5.0000e-005	1.7900e-003	0.0000	5.5154	5.5154	1.4000e-004	0.0000	5.5190
<b>Total</b>	<b>3.0200e-003</b>	<b>0.0247</b>	<b>0.0274</b>	<b>1.6000e-004</b>	<b>9.7500e-003</b>	<b>9.0000e-005</b>	<b>9.8600e-003</b>	<b>2.6000e-003</b>	<b>9.0000e-005</b>	<b>2.6900e-003</b>	<b>0.0000</b>	<b>15.8180</b>	<b>15.8180</b>	<b>8.2000e-004</b>	<b>0.0000</b>	<b>15.8385</b>

**3.3 Lead Contamination Removal - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0485	0.0000	0.0485	0.0252	0.0000	0.0252	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4100e-003	0.0765	0.0568	1.1000e-004		3.5400e-003	3.5400e-003		3.2600e-003	3.2600e-003	0.0000	9.7306	9.7306	3.1500e-003	0.0000	9.8093
<b>Total</b>	<b>7.4100e-003</b>	<b>0.0765</b>	<b>0.0568</b>	<b>1.1000e-004</b>	<b>0.0485</b>	<b>3.5400e-003</b>	<b>0.0520</b>	<b>0.0252</b>	<b>3.2600e-003</b>	<b>0.0285</b>	<b>0.0000</b>	<b>9.7306</b>	<b>9.7306</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>9.8093</b>

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**3.3 Lead Contamination Removal - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0275	0.0130	1.7000e-004	4.6400e-003	8.0000e-005	4.7100e-003	1.2700e-003	7.0000e-005	1.3500e-003	0.0000	17.2660	17.2660	1.0400e-003	0.0000	17.2919
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.9200e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5515	0.5515	1.0000e-005	0.0000	0.5519
<b>Total</b>	<b>1.3800e-003</b>	<b>0.0277</b>	<b>0.0149</b>	<b>1.8000e-004</b>	<b>5.3000e-003</b>	<b>9.0000e-005</b>	<b>5.3700e-003</b>	<b>1.4400e-003</b>	<b>7.0000e-005</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>17.8176</b>	<b>17.8176</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>17.8438</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0189	0.0000	0.0189	9.8200e-003	0.0000	9.8200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	7.4100e-003	0.0765	0.0568	1.1000e-004		3.5400e-003	3.5400e-003		3.2600e-003	3.2600e-003	0.0000	9.7306	9.7306	3.1500e-003	0.0000	9.8093
<b>Total</b>	<b>7.4100e-003</b>	<b>0.0765</b>	<b>0.0568</b>	<b>1.1000e-004</b>	<b>0.0189</b>	<b>3.5400e-003</b>	<b>0.0225</b>	<b>9.8200e-003</b>	<b>3.2600e-003</b>	<b>0.0131</b>	<b>0.0000</b>	<b>9.7306</b>	<b>9.7306</b>	<b>3.1500e-003</b>	<b>0.0000</b>	<b>9.8093</b>

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**3.3 Lead Contamination Removal - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.1500e-003	0.0275	0.0130	1.7000e-004	4.6400e-003	8.0000e-005	4.7100e-003	1.2700e-003	7.0000e-005	1.3500e-003	0.0000	17.2660	17.2660	1.0400e-003	0.0000	17.2919
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.3000e-004	1.6000e-004	1.9200e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5515	0.5515	1.0000e-005	0.0000	0.5519
<b>Total</b>	<b>1.3800e-003</b>	<b>0.0277</b>	<b>0.0149</b>	<b>1.8000e-004</b>	<b>5.3000e-003</b>	<b>9.0000e-005</b>	<b>5.3700e-003</b>	<b>1.4400e-003</b>	<b>7.0000e-005</b>	<b>1.5300e-003</b>	<b>0.0000</b>	<b>17.8176</b>	<b>17.8176</b>	<b>1.0500e-003</b>	<b>0.0000</b>	<b>17.8438</b>

**3.4 Grading - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0189	0.0000	0.0189	8.0200e-003	0.0000	8.0200e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3700e-003	0.0352	0.0264	6.0000e-005		1.4900e-003	1.4900e-003		1.3700e-003	1.3700e-003	0.0000	5.0754	5.0754	1.6400e-003	0.0000	5.1164
<b>Total</b>	<b>3.3700e-003</b>	<b>0.0352</b>	<b>0.0264</b>	<b>6.0000e-005</b>	<b>0.0189</b>	<b>1.4900e-003</b>	<b>0.0203</b>	<b>8.0200e-003</b>	<b>1.3700e-003</b>	<b>9.3900e-003</b>	<b>0.0000</b>	<b>5.0754</b>	<b>5.0754</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.1164</b>

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**3.4 Grading - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	9.6000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2758	0.2758	1.0000e-005	0.0000	0.2760
<b>Total</b>	<b>1.1000e-004</b>	<b>8.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2758</b>	<b>0.2758</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2760</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					7.3500e-003	0.0000	7.3500e-003	3.1300e-003	0.0000	3.1300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.3700e-003	0.0352	0.0264	6.0000e-005		1.4900e-003	1.4900e-003		1.3700e-003	1.3700e-003	0.0000	5.0754	5.0754	1.6400e-003	0.0000	5.1164
<b>Total</b>	<b>3.3700e-003</b>	<b>0.0352</b>	<b>0.0264</b>	<b>6.0000e-005</b>	<b>7.3500e-003</b>	<b>1.4900e-003</b>	<b>8.8400e-003</b>	<b>3.1300e-003</b>	<b>1.3700e-003</b>	<b>4.5000e-003</b>	<b>0.0000</b>	<b>5.0754</b>	<b>5.0754</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>5.1164</b>

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**3.4 Grading - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1000e-004	8.0000e-005	9.6000e-004	0.0000	3.3000e-004	0.0000	3.3000e-004	9.0000e-005	0.0000	9.0000e-005	0.0000	0.2758	0.2758	1.0000e-005	0.0000	0.2760
<b>Total</b>	<b>1.1000e-004</b>	<b>8.0000e-005</b>	<b>9.6000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>3.3000e-004</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>0.2758</b>	<b>0.2758</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2760</b>

**3.5 Building Construction - 2023**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1363	1.0481	1.1287	1.9700e-003		0.0461	0.0461		0.0445	0.0445	0.0000	162.5312	162.5312	0.0276	0.0000	163.2212
<b>Total</b>	<b>0.1363</b>	<b>1.0481</b>	<b>1.1287</b>	<b>1.9700e-003</b>		<b>0.0461</b>	<b>0.0461</b>		<b>0.0445</b>	<b>0.0445</b>	<b>0.0000</b>	<b>162.5312</b>	<b>162.5312</b>	<b>0.0276</b>	<b>0.0000</b>	<b>163.2212</b>

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**3.5 Building Construction - 2023**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0634	0.0203	2.2000e-004	5.6400e-003	7.0000e-005	5.7100e-003	1.6300e-003	7.0000e-005	1.7000e-003	0.0000	21.1831	21.1831	1.1500e-003	0.0000	21.2119
Worker	0.0234	0.0169	0.1979	6.3000e-004	0.0677	5.2000e-004	0.0682	0.0180	4.8000e-004	0.0185	0.0000	56.7676	56.7676	1.4600e-003	0.0000	56.8042
<b>Total</b>	<b>0.0254</b>	<b>0.0803</b>	<b>0.2182</b>	<b>8.5000e-004</b>	<b>0.0733</b>	<b>5.9000e-004</b>	<b>0.0739</b>	<b>0.0196</b>	<b>5.5000e-004</b>	<b>0.0202</b>	<b>0.0000</b>	<b>77.9507</b>	<b>77.9507</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>78.0161</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1363	1.0481	1.1287	1.9700e-003		0.0461	0.0461		0.0445	0.0445	0.0000	162.5310	162.5310	0.0276	0.0000	163.2210
<b>Total</b>	<b>0.1363</b>	<b>1.0481</b>	<b>1.1287</b>	<b>1.9700e-003</b>		<b>0.0461</b>	<b>0.0461</b>		<b>0.0445</b>	<b>0.0445</b>	<b>0.0000</b>	<b>162.5310</b>	<b>162.5310</b>	<b>0.0276</b>	<b>0.0000</b>	<b>163.2210</b>



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**3.5 Building Construction - 2023**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.9400e-003	0.0634	0.0203	2.2000e-004	5.6400e-003	7.0000e-005	5.7100e-003	1.6300e-003	7.0000e-005	1.7000e-003	0.0000	21.1831	21.1831	1.1500e-003	0.0000	21.2119
Worker	0.0234	0.0169	0.1979	6.3000e-004	0.0677	5.2000e-004	0.0682	0.0180	4.8000e-004	0.0185	0.0000	56.7676	56.7676	1.4600e-003	0.0000	56.8042
<b>Total</b>	<b>0.0254</b>	<b>0.0803</b>	<b>0.2182</b>	<b>8.5000e-004</b>	<b>0.0733</b>	<b>5.9000e-004</b>	<b>0.0739</b>	<b>0.0196</b>	<b>5.5000e-004</b>	<b>0.0202</b>	<b>0.0000</b>	<b>77.9507</b>	<b>77.9507</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>78.0161</b>

**3.5 Building Construction - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0717	0.5587	0.6321	1.1100e-003		0.0228	0.0228		0.0220	0.0220	0.0000	91.7137	91.7137	0.0153	0.0000	92.0955
<b>Total</b>	<b>0.0717</b>	<b>0.5587</b>	<b>0.6321</b>	<b>1.1100e-003</b>		<b>0.0228</b>	<b>0.0228</b>		<b>0.0220</b>	<b>0.0220</b>	<b>0.0000</b>	<b>91.7137</b>	<b>91.7137</b>	<b>0.0153</b>	<b>0.0000</b>	<b>92.0955</b>

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**3.5 Building Construction - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0700e-003	0.0356	0.0111	1.2000e-004	3.1800e-003	4.0000e-005	3.2200e-003	9.2000e-004	4.0000e-005	9.6000e-004	0.0000	11.9049	11.9049	6.4000e-004	0.0000	11.9209
Worker	0.0125	8.7000e-003	0.1040	3.4000e-004	0.0382	2.9000e-004	0.0385	0.0101	2.7000e-004	0.0104	0.0000	31.0378	31.0378	7.6000e-004	0.0000	31.0566
<b>Total</b>	<b>0.0136</b>	<b>0.0443</b>	<b>0.1151</b>	<b>4.6000e-004</b>	<b>0.0414</b>	<b>3.3000e-004</b>	<b>0.0417</b>	<b>0.0111</b>	<b>3.1000e-004</b>	<b>0.0114</b>	<b>0.0000</b>	<b>42.9426</b>	<b>42.9426</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>42.9775</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0717	0.5587	0.6321	1.1100e-003		0.0228	0.0228		0.0220	0.0220	0.0000	91.7136	91.7136	0.0153	0.0000	92.0954
<b>Total</b>	<b>0.0717</b>	<b>0.5587</b>	<b>0.6321</b>	<b>1.1100e-003</b>		<b>0.0228</b>	<b>0.0228</b>		<b>0.0220</b>	<b>0.0220</b>	<b>0.0000</b>	<b>91.7136</b>	<b>91.7136</b>	<b>0.0153</b>	<b>0.0000</b>	<b>92.0954</b>

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**3.5 Building Construction - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.0700e-003	0.0356	0.0111	1.2000e-004	3.1800e-003	4.0000e-005	3.2200e-003	9.2000e-004	4.0000e-005	9.6000e-004	0.0000	11.9049	11.9049	6.4000e-004	0.0000	11.9209
Worker	0.0125	8.7000e-003	0.1040	3.4000e-004	0.0382	2.9000e-004	0.0385	0.0101	2.7000e-004	0.0104	0.0000	31.0378	31.0378	7.6000e-004	0.0000	31.0566
<b>Total</b>	<b>0.0136</b>	<b>0.0443</b>	<b>0.1151</b>	<b>4.6000e-004</b>	<b>0.0414</b>	<b>3.3000e-004</b>	<b>0.0417</b>	<b>0.0111</b>	<b>3.1000e-004</b>	<b>0.0114</b>	<b>0.0000</b>	<b>42.9426</b>	<b>42.9426</b>	<b>1.4000e-003</b>	<b>0.0000</b>	<b>42.9775</b>

**3.6 Paving - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3300e-003	0.0410	0.0618	9.0000e-005		1.9700e-003	1.9700e-003		1.8200e-003	1.8200e-003	0.0000	8.2419	8.2419	2.6100e-003	0.0000	8.3072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.3300e-003</b>	<b>0.0410</b>	<b>0.0618</b>	<b>9.0000e-005</b>		<b>1.9700e-003</b>	<b>1.9700e-003</b>		<b>1.8200e-003</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>8.2419</b>	<b>8.2419</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>8.3072</b>

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**3.6 Paving - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.7200e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8106	0.8106	2.0000e-005	0.0000	0.8111
<b>Total</b>	<b>3.3000e-004</b>	<b>2.3000e-004</b>	<b>2.7200e-003</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8106</b>	<b>0.8106</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8111</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	4.3300e-003	0.0410	0.0618	9.0000e-005		1.9700e-003	1.9700e-003		1.8200e-003	1.8200e-003	0.0000	8.2418	8.2418	2.6100e-003	0.0000	8.3072
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.3300e-003</b>	<b>0.0410</b>	<b>0.0618</b>	<b>9.0000e-005</b>		<b>1.9700e-003</b>	<b>1.9700e-003</b>		<b>1.8200e-003</b>	<b>1.8200e-003</b>	<b>0.0000</b>	<b>8.2418</b>	<b>8.2418</b>	<b>2.6100e-003</b>	<b>0.0000</b>	<b>8.3072</b>

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**3.6 Paving - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.3000e-004	2.3000e-004	2.7200e-003	1.0000e-005	1.0000e-003	1.0000e-005	1.0000e-003	2.6000e-004	1.0000e-005	2.7000e-004	0.0000	0.8106	0.8106	2.0000e-005	0.0000	0.8111
<b>Total</b>	<b>3.3000e-004</b>	<b>2.3000e-004</b>	<b>2.7200e-003</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>1.0000e-005</b>	<b>1.0000e-003</b>	<b>2.6000e-004</b>	<b>1.0000e-005</b>	<b>2.7000e-004</b>	<b>0.0000</b>	<b>0.8106</b>	<b>0.8106</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.8111</b>

**3.7 Architectural Coating - 2024**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	6.7000e-003	9.9600e-003	2.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4063
<b>Total</b>	<b>0.3013</b>	<b>6.7000e-003</b>	<b>9.9600e-003</b>	<b>2.0000e-005</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.4043</b>	<b>1.4043</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4063</b>

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**3.7 Architectural Coating - 2024**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	2.3000e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6859	0.6859	2.0000e-005	0.0000	0.6863
<b>Total</b>	<b>2.8000e-004</b>	<b>1.9000e-004</b>	<b>2.3000e-003</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>1.0000e-005</b>	<b>8.5000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.6859</b>	<b>0.6859</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6863</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	9.9000e-004	6.7000e-003	9.9600e-003	2.0000e-005		3.4000e-004	3.4000e-004		3.4000e-004	3.4000e-004	0.0000	1.4043	1.4043	8.0000e-005	0.0000	1.4063
<b>Total</b>	<b>0.3013</b>	<b>6.7000e-003</b>	<b>9.9600e-003</b>	<b>2.0000e-005</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>		<b>3.4000e-004</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.4043</b>	<b>1.4043</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>1.4063</b>

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**3.7 Architectural Coating - 2024**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.8000e-004	1.9000e-004	2.3000e-003	1.0000e-005	8.4000e-004	1.0000e-005	8.5000e-004	2.2000e-004	1.0000e-005	2.3000e-004	0.0000	0.6859	0.6859	2.0000e-005	0.0000	0.6863
<b>Total</b>	<b>2.8000e-004</b>	<b>1.9000e-004</b>	<b>2.3000e-003</b>	<b>1.0000e-005</b>	<b>8.4000e-004</b>	<b>1.0000e-005</b>	<b>8.5000e-004</b>	<b>2.2000e-004</b>	<b>1.0000e-005</b>	<b>2.3000e-004</b>	<b>0.0000</b>	<b>0.6859</b>	<b>0.6859</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6863</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.1622	0.7720	2.2248	9.1000e-003	0.8212	6.9300e-003	0.8281	0.2201	6.4400e-003	0.2265	0.0000	842.3351	842.3351	0.0391	0.0000	843.3119
Unmitigated	0.1622	0.7720	2.2248	9.1000e-003	0.8212	6.9300e-003	0.8281	0.2201	6.4400e-003	0.2265	0.0000	842.3351	842.3351	0.0391	0.0000	843.3119

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	632.64	687.36	582.72	2,164,170	2,164,170
Total	632.64	687.36	582.72	2,164,170	2,164,170

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	0.544880	0.044491	0.207704	0.117752	0.014693	0.006272	0.020732	0.032141	0.002572	0.001984	0.005239	0.000700	0.000841

5.0 Energy Detail

Historical Energy Use: N



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**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	226.7265	226.7265	5.3500e-003	1.1100e-003	227.1905
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	226.7265	226.7265	5.3500e-003	1.1100e-003	227.1905
NaturalGas Mitigated	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.7074	83.7074	1.6000e-003	1.5300e-003	84.2049
NaturalGas Unmitigated	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.7074	83.7074	1.6000e-003	1.5300e-003	84.2049

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.56862e+006	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.7074	83.7074	1.6000e-003	1.5300e-003	84.2049
<b>Total</b>		<b>8.4600e-003</b>	<b>0.0723</b>	<b>0.0308</b>	<b>4.6000e-004</b>		<b>5.8400e-003</b>	<b>5.8400e-003</b>		<b>5.8400e-003</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>83.7074</b>	<b>83.7074</b>	<b>1.6000e-003</b>	<b>1.5300e-003</b>	<b>84.2049</b>

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**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.56862e+006	8.4600e-003	0.0723	0.0308	4.6000e-004		5.8400e-003	5.8400e-003		5.8400e-003	5.8400e-003	0.0000	83.7074	83.7074	1.6000e-003	1.5300e-003	84.2049
<b>Total</b>		<b>8.4600e-003</b>	<b>0.0723</b>	<b>0.0308</b>	<b>4.6000e-004</b>		<b>5.8400e-003</b>	<b>5.8400e-003</b>		<b>5.8400e-003</b>	<b>5.8400e-003</b>	<b>0.0000</b>	<b>83.7074</b>	<b>83.7074</b>	<b>1.6000e-003</b>	<b>1.5300e-003</b>	<b>84.2049</b>

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	407077	226.7265	5.3500e-003	1.1100e-003	227.1905
<b>Total</b>		<b>226.7265</b>	<b>5.3500e-003</b>	<b>1.1100e-003</b>	<b>227.1905</b>

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**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	407077	226.7265	5.3500e-003	1.1100e-003	227.1905
<b>Total</b>		<b>226.7265</b>	<b>5.3500e-003</b>	<b>1.1100e-003</b>	<b>227.1905</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	tons/yr										MT/yr					
Mitigated	0.4066	0.0114	0.9891	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	1.6172	1.6172	1.5500e-003	0.0000	1.6559
Unmitigated	0.4066	0.0114	0.9891	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	1.6172	1.6172	1.5500e-003	0.0000	1.6559

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**6.2 Area by SubCategory**

**Unmitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0300					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3469					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0297	0.0114	0.9891	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	1.6172	1.6172	1.5500e-003	0.0000	1.6559
<b>Total</b>	<b>0.4066</b>	<b>0.0114</b>	<b>0.9891</b>	<b>5.0000e-005</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>1.6172</b>	<b>1.6172</b>	<b>1.5500e-003</b>	<b>0.0000</b>	<b>1.6559</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.0300					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.3469					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	0.0297	0.0114	0.9891	5.0000e-005		5.4900e-003	5.4900e-003		5.4900e-003	5.4900e-003	0.0000	1.6172	1.6172	1.5500e-003	0.0000	1.6559
<b>Total</b>	<b>0.4066</b>	<b>0.0114</b>	<b>0.9891</b>	<b>5.0000e-005</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>		<b>5.4900e-003</b>	<b>5.4900e-003</b>	<b>0.0000</b>	<b>1.6172</b>	<b>1.6172</b>	<b>1.5500e-003</b>	<b>0.0000</b>	<b>1.6559</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	71.7454	0.2055	5.1500e-003	78.4176
Unmitigated	71.7454	0.2055	5.1500e-003	78.4176

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.25479 / 3.94323	71.7454	0.2055	5.1500e-003	78.4176
<b>Total</b>		<b>71.7454</b>	<b>0.2055</b>	<b>5.1500e-003</b>	<b>78.4176</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	6.25479 / 3.94323	71.7454	0.2055	5.1500e-003	78.4176
<b>Total</b>		<b>71.7454</b>	<b>0.2055</b>	<b>5.1500e-003</b>	<b>78.4176</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	8.9641	0.5298	0.0000	22.2081
Unmitigated	8.9641	0.5298	0.0000	22.2081

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	44.16	8.9641	0.5298	0.0000	22.2081
<b>Total</b>		<b>8.9641</b>	<b>0.5298</b>	<b>0.0000</b>	<b>22.2081</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	44.16	8.9641	0.5298	0.0000	22.2081
<b>Total</b>		<b>8.9641</b>	<b>0.5298</b>	<b>0.0000</b>	<b>22.2081</b>

**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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