

## **FORTIN STREET DEVELOPMENT**

### **Initial Study and Mitigated Negative Declaration**



#### **LEAD AGENCY**

City of Baldwin Park  
14403 E. Pacific Avenue  
Baldwin Park, CA 91706  
Amy L. Harbin, AICP, City Planner

#### **PREPARED BY**

Willdan Engineering  
13191 Crossroads Parkway North  
Suite 405  
Industry, CA 91746

**May 2016**

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## INITIAL STUDY

<b>Project Title</b>	Fortin Street Development - CP-830, TM-73928 & PR 15-38
<b>Lead Agency</b>	City of Baldwin Park 14403 E. Pacific Ave. Baldwin Park, CA 91706
<b>Contact Person</b>	Abraham Tellez, Associate Planner – (626) 960-4011 ext. 456
<b>Project Location</b>	4923-4929 Fortin Street & 15138 Nubia Street & APN 8413-013-025
<b>Project Sponsor's Name and address</b>	Baldwin Park Homes, LLC 1773 San Bernardino Rd., Suite B42 West Covina, CA 91790
<b>General Plan Designations</b>	Single-Family Residential
<b>Zoning</b>	R-1, Single-Family Residential

### **Surrounding Land Uses and Setting**

Incorporated in 1956, the City of Baldwin Park is located approximately 17 miles east of downtown Los Angeles. The intersection of the I-10 (San Bernardino) and I-605 (San Gabriel River) freeways lies near the southwest corner of this 6.8 square mile City. Although Baldwin Park is predominantly a residential bedroom community, recent efforts have placed a greater emphasis on promoting commercial and industrial land uses, infill residential development and mixed use, transit oriented opportunities. However, the City is near “build-out”, focusing efforts on the redevelopment of land, especially within close proximity to the freeway.

According to the 2014 population estimates from the Department of Finance, Baldwin Park has approximately 74,738 persons. Baldwin Park is predominantly a Hispanic working class community and has a larger than average household size than the County average.

The subject property is located in the northeastern portion of the City within an established single-family residential neighborhood known as the Pleasant View Area.

## Project Description

The project involves four properties totaling approximately 1.75 acres (gross—including the dedicated public right-of-way) and .92 acres (net—not including the dedicated public right-of-way and open space area). The City's HdL System indicated that the property identified with Assessor's Parcel Number 8413-013-028 has one dwelling unit containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-032 has one dwelling unit also containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-033 has one dwelling unit containing approximately 960 s.f. of floor area with 2-bedrooms and 1-bathroom. All dwelling units were constructed in 1954. The fourth property (APN 8413-013-025) is vacant. All structures located on the properties will be demolished and cleared. According to the Applicant's submitted information, the properties have several areas of dense brush and trees.

The Applicant is proposing a Tentative Tract Map to subdivide the four lots into a total of fifteen (15) residential lots. Thirteen (13) lots will have access from a new right-of-way that intersects with Fortin Street and two (2) lots will have direct access from Nubia Street. The Applicant will construct and dedicate a new private cul-de-sac that will not meet the minimum development standards by the City's Public Works Department. The City will not accept a street dedication that does not meet minimum standards. This street will remain private.

The Applicant is proposing four (4) different floor plans each containing four (4) bedrooms and between 2.5 and three (3) bathrooms. All of the dwelling units are two (2) stories and have an attached two (2) car garage. Livable floor area ranges between 1,653 and 2,316 square feet with garage floor areas between 452 and 509 square feet. Total floor areas for the units (including the garage) range between 2,098 and 2,778 square feet. Each property will have countable private open space areas ranging between 615 and 2,627 square feet. Proposed lot sizes range between 3,148 and 5,972 square feet.

A variety of elevations are provided for the dwelling units which utilize a variety of materials, including stucco, stucco pop-outs, slate rock, wood shutters, and wrought iron elements. Each of the front yards will be landscaped.

At the current allowable density for this project, the applicant is allowed to construct a maximum of fourteen (14) dwelling units. However, since the Applicant is requesting a conditional use permit for a density bonus, an additional dwelling unit over and above the maximum allowable density is permitted for a total of fifteen (15) dwelling units. Of the fifteen (15) dwelling units, one (1) of the dwelling units will be reserved for a family of low income. Because of the density bonus for the affordable unit, the Applicant has requested several deviations from the existing Municipal Code's minimum requirements such as minimum lot sizes for individual lots, front, side (including second story) and rear yard setbacks, and countable private open space.

Figure 1 Regional Location

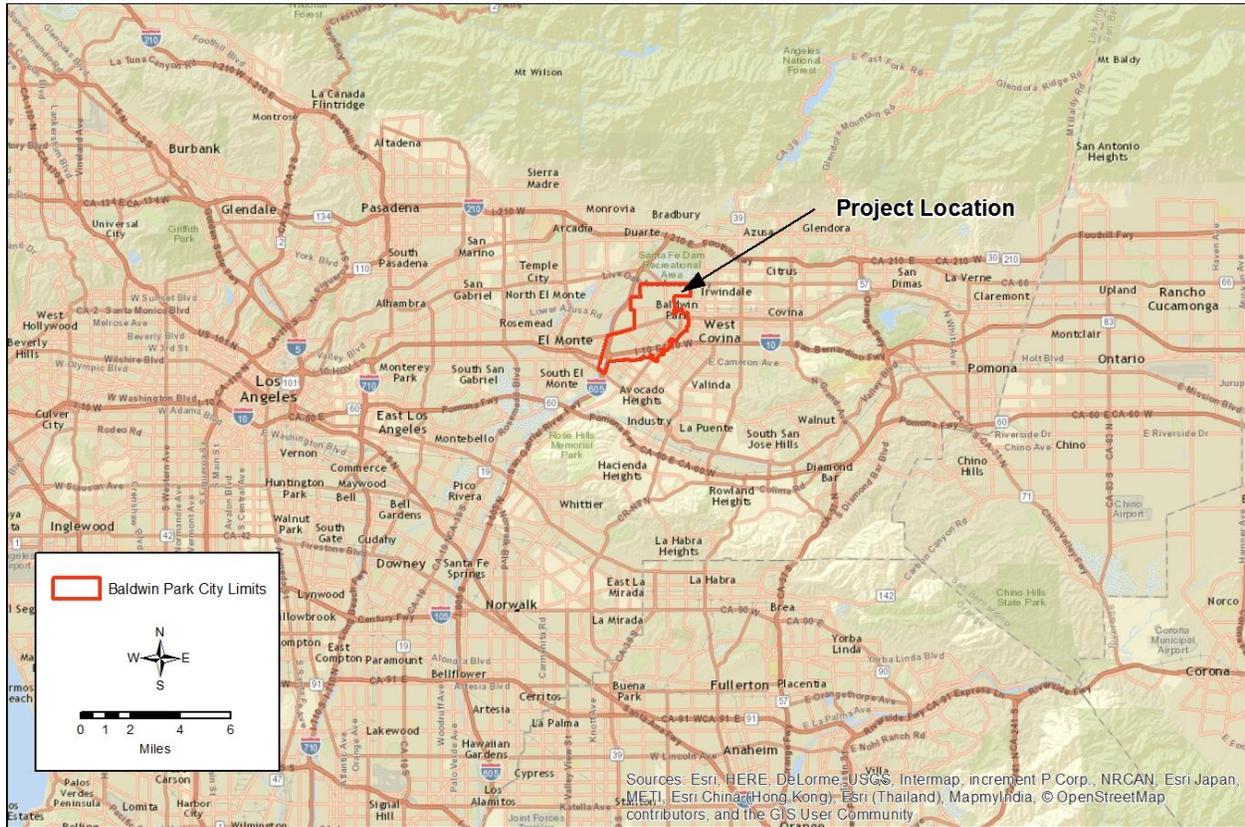
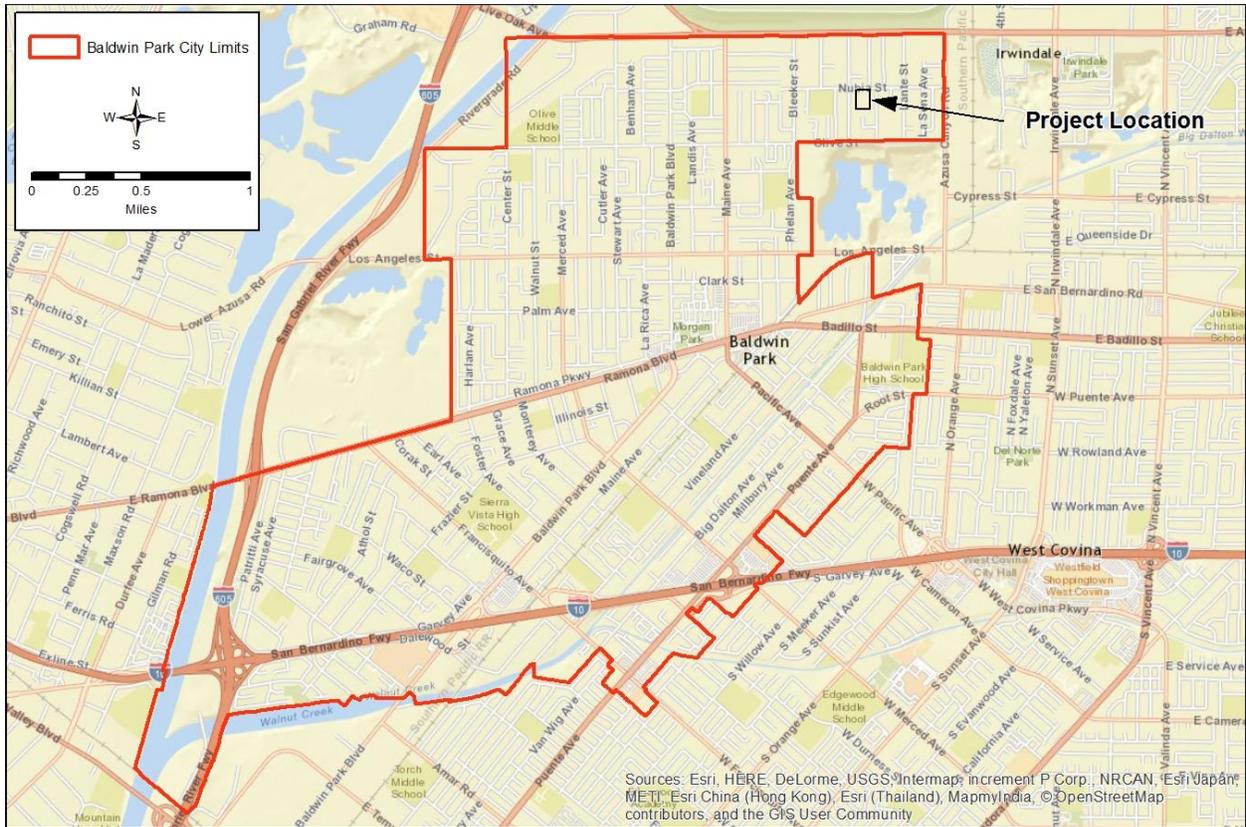


Figure 2 Project Location



### **Other Public Agencies Whose Approval is Required**

No additional public approvals beyond Planning Commission and City Council will be required for this project.

### **Appendices**

Appendix A – CalEEMod Reports

Appendix B – Native American Consultation

## ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED

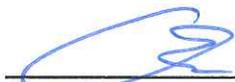
The environmental factors checked below would be potentially affected by this project, involving at least one impact that is “Potentially Significant” or “Potentially Significant Unless Mitigation Incorporated” as indicated by the checklist on the following pages.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Aesthetics                      | <input type="checkbox"/> Agriculture and Forest Resources | <input checked="" type="checkbox"/> Air Quality             |
| <input checked="" type="checkbox"/> Biological Resources | <input checked="" type="checkbox"/> Cultural Resources    | <input type="checkbox"/> Geology/Soils                      |
| <input type="checkbox"/> Greenhouse Gas Emissions        | <input type="checkbox"/> Hazards & Hazardous Materials    | <input type="checkbox"/> Hydrology/Water Quality            |
| <input type="checkbox"/> Land Use/Planning               | <input type="checkbox"/> Mineral Resources                | <input checked="" type="checkbox"/> Noise                   |
| <input type="checkbox"/> Population/Housing              | <input type="checkbox"/> Public Services                  | <input type="checkbox"/> Recreation                         |
| <input type="checkbox"/> Transportation/Traffic          | <input type="checkbox"/> Utilities/Service Systems        | <input type="checkbox"/> Mandatory Findings of Significance |

## DETERMINATION:

On the basis of this initial evaluation:

- I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- I find that although the proposed project could have a significant effect on the environment, because all potential significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

  
\_\_\_\_\_  
Signature

6/8/2016  
\_\_\_\_\_  
Date

Abraham Tellez, Associate Planner  
\_\_\_\_\_  
Printed Name

# ENVIRONMENTAL CHECKLIST

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>I. AESTHETICS</b>				
-- Would the Project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## EXPLANATION OF JUDGEMENTS:

- a) **No Impact.** The project will not have an adverse effect on a scenic vista or result in the obstruction of any scenic views. The project site is not located within or adjacent to any city designated scenic vista. The Baldwin Park General Plan does not designate any scenic vistas that are adjacent to or within close proximity to the site. The project will not impact a scenic vista.
- b) **No Impact.** This project will not result in the damage or destruction of scenic resources or historical buildings. There is no state designated scenic highways adjacent to, or in close proximity, or within discernable viewing distance to the site. There are no scenic resources such as trees, rock outcroppings, or historic buildings within a state scenic highway that are adjacent to or within close proximity that will be removed or altered by the project. The project will not impact any state scenic or historic resources.
- c) **No Impact.** This project will not substantially degrade the existing visual character and quality of the City of Baldwin Park. Through the Design Review process, the project has been reviewed to ensure that the new single-family residences and associated street improvements are aesthetically pleasing and complimentary. All associated outdoor mechanical equipment (i.e. air conditioning units, utility boxes, etc.) will be screened from public view by a decorative wall and decorative and compatible landscaping will be provided throughout the development. Furthermore, the project is compatible with the surrounding adjacent properties and consistent with the Design Guidelines developed by the City.
- d) **No Impact.** Although the project will introduce new sources of light in the area (exterior building illumination, street lighting, etc.), these sources of illumination are not anticipated to be significant. Exterior building lighting would, for example, be shielded and directed downward to prevent spillover lighting onto adjacent properties.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**II. AGRICULTURE AND FOREST RESOURCES**

-- In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment Project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. -- Would the Project:

a) Convert Prime Farmland, Unique Farmland, Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **No Impact.** The proposed project will not convert any type of farmland to a non-agricultural use. The project site is located within a predominately single-family residential neighborhood and there are no agricultural activities on the site or any of the adjacent surrounding properties. The project will not convert prime, unique, or farmland of statewide importance to non-agricultural use and impact farmland.
- b) **No Impact.** The proposed project will not conflict with zoning for agricultural use or a Williamson Act contract, as there is no agricultural zone in the City and the project will not allow agricultural uses. Additionally, none of the properties within the project site are in a Williamson Act contract.
- c) **No Impact.** The project will not conflict with existing zoning for, or cause rezoning of forest land, timberland, or timberland zoned Timberland Production as there are no forests or timberlands in the City of Baldwin Park nor any forest or timberland zoning. The project will not impact any forest or timberland.
- d) **No Impact.** The project will not result in the loss of forest land or conversion of forest land to non-forest use.
- e) **No Impact.** The project will not result in the conversion of farmland to non-agricultural uses, as there is no farmland in the City.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**III. AIR QUALITY**

-- Would the Project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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## EXPLANATION OF JUDGEMENTS:

- a) **No Impact.** The proposed project does not conflict with any applicable air quality plan. The City of Baldwin Park is located within the South Coast Air Basin, which is a non-attainment area for selective pollutants. Air pollution is a regional problem. Pollution levels in Baldwin Park are a result of not only local emissions, but also of those throughout the region.

The South Coast Air Quality Management District (SCAQMD) adopted an updated clean air “blueprint” in August 2003. The 2003 Air Quality Management Plan (AQMP) was approved by the EPA in 2004. The AQMP outlined the air pollution measures needed to meet federal health-based standards for ozone by 2010 and for particulates (PM-10) by 2006. The 2003 AQMP was based upon the federal one-hour ozone standard which was revoked late in 2005 and replaced by an 8-hour federal standard. Because of the revocation of the hourly standard, a new air quality planning cycle was initiated. With the re-designation of the air basin as non-attainment for the 8-hour ozone standard, a new attainment plan was developed and shifted most of the one-hour ozone standard attainment strategies to the 8-hour standard. The attainment date changed from 2010 to 2021. The updated attainment plan also includes strategies to ultimately meet the federal PM-2.5 standard.

Because projected attainment by 2021 requires control technologies that do not exist yet, the SCAQMD requested a voluntary “bump-up” from a “severe non-attainment” area to an “extreme non-attainment” designation for ozone. The extreme designation will allow a longer time period for these technologies to develop. In April 2010, the EPA approved the change in the non-attainment designation from “severe-17” to “extreme.” This reclassification sets a later attainment deadline (2024), but also requires the air basin to adopt even more stringent emissions controls.

The proposed project does not directly relate to the AQMP in that there are no specific air quality programs or regulations governing residential land use projects. Conformity with adopted plans, forecasts and programs relative to population, housing, employment and land use is the primary yardstick by which impact significance of planned growth is determined. The SCAQMD, however, while acknowledging that the AQMP is a growth-accommodating document, does not favor designating regional impacts as less-than-significant just because the proposed development is consistent with regional growth projections. Air quality impact significance for the proposed project has therefore been analyzed on a project-specific basis.

- b) **No Impact.** The project will not result in a cumulative net increase of pollutants for which the region is in non-attainment and will not violate any air quality standard or contribute to the violation (projected or existing).
- c) **Potentially Significant Unless Mitigation Incorporated.** The proposed project will not result in a cumulatively considerable net increase of any criteria pollutant for which the region is in non-attainment. The Southern California Association of Governments and the South Coast Air Quality Management District have adopted a South Coast Air Quality Management Plan (SCAQMP). The proposed project is consistent with that plan and will not have a significant impact upon air quality.

Potential air quality impacts could result from the construction of the proposed project. Accordingly, an analysis of construction-related air quality impacts (as well as operational impacts) utilizing the California Emissions Estimator Model, v. 2013.2. As can be seen in Table AQ-1, below, construction emissions will not exceed SCAQMD thresholds for NOX, VOC, PM<sub>10</sub>, PM<sub>2.5</sub>, SOx or CO. Operational project emissions will also not exceed SCAQMD thresholds.

**Table AQ-1: Emissions Thresholds and Projected Emissions\***

Pollutant**	Construction		Operation	
	SCAQMD Threshold (tons/yr)	Project Emissions (tons/yr)	SCAQMD Threshold (tons/yr)	Project Emissions (tons/yr)
NOx	18.25	2.25	10.04	0.32
VOC (ROG)	13.68	0.89	10.04	0.38
PM <sub>10</sub>	27.38	0.20	27.38	0.19
PM <sub>2.5</sub>	10.04	0.16	10.04	0.06
SOx	27.38	3.42 <sup>(-003)</sup>	27.38	2.92 <sup>(-003)</sup>
CO	100.38	2.07	100.38	1.29

\*Project emissions were estimated using the California Emissions Estimator Model, v. 2013.2, available at <http://www.aqmd.gov/caleemod>. Both construction and operational emission values assume that mitigation measures have been applied.

\*\*Acronyms:  
 NOx = nitrogen oxides  
 VOC = volatile organic compounds, equivalent to ROT = reactive organic gases  
 PM<sub>10</sub> = particulate matter, 10 micrometers or less in diameter (0.0004" or less)  
 PM<sub>2.5</sub> = particulate matter, 2.5 micrometers or less in diameter (0.0001" or less)  
 SOx = sulfur oxides  
 CO = carbon monoxide

Even though the project will not exceed SCAQMD thresholds for either operational or construction emissions, there will be temporary increases in air pollutant emissions during the construction phase. Construction dust and air pollution, however, will be reduced to a less than significant level with mitigation measures.

**Mitigation Measures:**

Measures to reduce temporary air pollution include the following:

Mitigation Measure III(c)-1: That the applicant shall adhere to the SCAQMD Rule 403 insuring the clean-up construction related dirt on approach routes to the site.

Mitigation Measure III(c)-2: Watering techniques shall be employed to partially mitigate the impact of construction generated dust particles.

Mitigation Measure III(c)-3: Maintenance and servicing of construction equipment shall be conducted to minimize exhaust emissions.

Mitigation Measure III(c)-4: Construction activities shall be halted during Stage 1 and Stage 2 smog alerts.

- d) **No Impact.** Although the project will generate additional vehicular traffic in the area, it is not anticipated that substantial pollutant concentrations will result. The surrounding residences, which are considered sensitive land uses, would not be significantly impacted by project emissions.
- e) **Potentially Significant Unless Mitigation Incorporated.** The proposed project will not create objectionable odors affecting a substantial number of people. The project is not anticipated to use any materials during the life of the project that would generate or create any objectionable odors to either the project residents or adjacent land uses. Any odors that may be generated by

the project will be minimal and not anticipated to significantly impact any adjacent residents. However, construction activities may involve the use of diesel equipment which may result in odors. As a result, the following measure is required.

**Mitigation Measures:**

Mitigation Measure: III(d)-1: To ensure that odors from diesel equipment are kept to a minimum, the project Contractors shall ensure that all diesel trucks and equipment are not left to idle for longer than five minutes. Adherence to this recommendation will reduce odor-related impacts to levels that are less than significant.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**IV. BIOLOGICAL RESOURCES**

-- Would the Project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**IV. BIOLOGICAL RESOURCES**

-- Would the Project:  
conservation plan?

**EXPLANATION OF JUDGEMENTS:**

- a) **No Impact.** The project will not have any effect, either directly or through habitat modifications, on any species identified by the California Department of Fish and Game or the US Fish and Wildlife Service. There are no native plant species on the property. Several of the properties have introduced non-native plants that serve as landscaping for those residential properties. There are no plants or animal species suspected to exist within the project site that would be a candidate, sensitive or special status species. The project will not impact any candidate, sensitive, or special status species associated with the California Department of Fish and Wildlife or the U.S. Fish and Wildlife Service.
- b) **No Impact.** The project will not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in any local or regional plans, policies regulations or by the California Department of Fish and game or by the U.S. Fish and Wildlife Service. Because all of the properties within the project site are developed and located within an urbanized area there is no riparian habitat or other natural communities on the site. The project will not impact riparian or other natural communities.
- c) **No Impact.** The project will not have a substantial effect on federally protected wetlands as defined by Section 404 of the Clean Water Act. There are no federally protected wetlands within the City of Baldwin Park or its vicinity.
- d) **No Impact.** The project will not interfere with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites as the City of Baldwin Park is within an urbanized area and not within five (5) miles of a wildlife corridor.
- e) **Potentially Significant Unless Mitigation Incorporated.** The proposed project may have a significant impact with local policies or ordinances protecting biological resources. The city’s Tree Preservation Ordinance requires the applicant to submit a “Mature Tree Trimming and/or Removal Application” to mitigate the removal of existing mature trees that will be impacted by the development. According to the application on file with the City Planner, a total of 52 trees will be removed for the site. As a result, pursuant to the conditions of the tree application, the applicant will be required to plant a minimum of sixty (60) 24” box trees as identified on the landscaping plan and the tentative tract map.

**Mitigation Measures:**

Measures to reduce the impact on biological resources include the following:

Mitigation Measure IV(e)-1: The applicant shall be required to submit a tree removal application to the City Planner for review and approval.

Mitigation Measure IV(e)-2: The applicant shall plant a minimum of sixty (60) - 24” box trees as identified on the approved landscaping and irrigation plan.

- f) **No Impact.** The project proposal will not conflict with any provisions of an adopted habitat conservation plan, natural community conservation plan or any local, regional or state habitat conservation plan, as the City's General plan does not indicate any of the referenced plans which could be affected by the project proposal.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**V. CULTURAL RESOURCES**

-- Would the Project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** The project will not cause a substantial adverse change in the significance of a historical resource.

Based on the General Plan, there are no known historical resources on the site. However, the project will involve the demolition of three (3) existing residences that are older than 50 years old, and are not considered historically significant and are not registered into the California Register of Historical Resources (CRHR). The results of the records search conducted at the South Central Coastal Information Center (SCCIC), California State University Fullerton indicated that no prehistoric or historic archaeological sites have been recorded within the boundaries of the study area. Furthermore, no evidence of prehistoric activity was found during the field survey of the study area. In addition, the results of the background research, field survey and architectural/historical analysis indicates that none of the buildings that are to be demolished as a result of the project are historically or architecturally significant and none are eligible for listing in the California Register of Historic Resources (CRHR).

- b) **Potentially Significant Unless Mitigation Incorporated.** The project will not cause a substantial adverse change in the significance of an archaeological resource. Nor are there known vertebrate or paleontological resources recorded for this area. However, the presence or absence of such archaeological or paleontological resources cannot be determined until excavation of the project site occurs and there exists a possibility that archaeological or paleontological resources exist at sub-surface levels and may be uncovered during grading and excavation activities for the proposed residential foundations and new public right-of-way. Implementation of the following mitigation measure will ensure that if any such resources are found during construction of the proposed project, they would be handled according to the proper

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regulations and any potential historical and archaeological impacts would be reduced to less than significant levels.

**Mitigation Measures:**

Mitigation Measure V(b)-1: In the event that an archaeological resource is unearthed during construction, all construction related activities shall cease immediately. The Applicant shall seek the advice of a qualified archaeologist to determine if the resource is deemed to be significant. In the event that the archaeological resource has been determined to be significant, the provisions outlined in Title 14; Chapter 3; Article 5; Section 15064.5 of CEQA will apply.

- c) **Potentially Significant Unless Mitigation Incorporated.** The project will not directly or indirectly destroy a unique paleontological resource or geological feature. The Baldwin Park General Plan does not identify the presence of any paleontological resources in Baldwin Park. The project site has been disturbed in the past to construct the existing residences and other site improvements. Although no paleontological resources are known to exist on site, there is a possibility that paleontological resources exist at sub-surface levels on the project site and may be uncovered during grading and excavation activities for the proposed residential foundations and new public right-of-way. Implementation of the following mitigation measure will ensure that if any such resources are found during construction of the proposed project, they would be handled according to the proper regulations and any potential impacts would be reduced to less than significant levels. The following mitigation measure will reduce potential paleontological impacts to less than significant.

**Mitigation Measure:**

Mitigation Measure V(c)-1: If any paleontological materials are encountered during the course of project development, all further development activities shall halt in the area of the discovery and the services of a paleontologist shall then be secured by contacting the Center for Public Paleontology - USC, UCLA, California State University Los Angeles, California State University Long Beach, or the Los Angeles County Natural History Museum - who shall assess the discovered material(s) and prepare a survey, study or report evaluating the impact. The paleontologist's survey, study or report shall contain a recommendation(s), if necessary, for the preservation, conservation, or relocation of the resource. The Applicant shall comply with the recommendations of the evaluating paleontologist, as contained in the survey, study or report to the satisfaction of the City Planner or Community Development Director.

- d) **No Impact.** The project is not expected to disturb any human remains including those outside of formal cemeteries. The City of Baldwin Park does not have any cemeteries and the project site has not been used as a cemetery in the past. In addition, the site has not been used for any activities that have resulted in human remains being present on the property. Should human remains be uncovered during project construction, the California Health and Safety Code (Section 7050.5) states that if human remains are discovered, no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. Thus, State law will mitigate and protect any human remains uncovered during construction. The project will not impact human remains or a formal cemetery.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>VI. GEOLOGY AND SOILS</b>				
-- Would the Project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable as a result of the Project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 1-B of the Uniform Building Code, creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **No Impact.** The proposed project will not expose people or structures to potential substantial adverse effects involving the rupture of a known earthquake fault. According to the City's General Plan, there are no active faults within the City of Baldwin Park, therefore no Alquist-Priolo Special Study Zones are within the City.

Although there are no active faults within the City of Baldwin Park, there are several major faults surrounding the City that have the potential for causing major damage; however, the occurrence of direct ground rupture is not likely according to the City's General Plan. Potential for this type of activity is similar throughout Southern California and no unique or unusual risk is posed by the proposed project.

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According to the Seismic Hazard Zones Map from the State Department of Geology and Mines, the project area is not within a liquefaction zone. According to the Baldwin Park General Plan EIR, the southwest portion of the City is located in a liquefaction hazard zone. As noted above, the City of Baldwin Park is located within a seismically active region of Southern California. Liquefaction hazards occur in areas where groundwater exists near the ground surface. According to the General Plan EIR, the depth to groundwater is more than 50 feet, resulting in low potential for liquefaction.

According to the General Plan EIR, the City of Baldwin Park is not susceptible to dangers from slope instability because the terrain is relatively flat. Therefore, the proposed Health and Sustainability Element will not involve development activity and will not expose people or structures to potential substantial adverse effects, including risk of loss, injury or death involving landslides. No impact will occur.

- b) **Less Than Significant Impact.** Erosion is the condition in which the earth's surface is worn away by the action of water and wind. The City of Baldwin Park is relatively flat and built out. Because the City is primarily built out and covered by urban landscaping or impermeable surfaces, the potential for soil erosion or loss of topsoil is minimal.

Approval of this project will facilitate construction of fifteen (15) single-family residences and a new cul-de-sac street, which will involve disruption and compaction of affected soils. Construction may also result in over covering of the soil. A soils report will be required to be submitted for review and approval by the Engineering Division prior to the preparation of a grading plan. The grading plan will also be required to be reviewed and approved by the City Engineer prior to approval of any development of the site, and will include site-specific grading conditions to address the disruption of soils caused by grading activities.

Increased erosion of soil may occur during the construction of the project, however, because the development will be built in its entirety, exposure of topsoil will be for a limited period of time only. In addition, the site is relatively flat, greatly reducing the erosion potential of the site. In the long term, soil erosion will be reduced, as those areas of the site, which are vacant, will be covered with structures, driveways, right-of-way, and be landscaped.

- c) **Less Than Significant Impact.** The City is not located on a geological unit or soil that is unstable and could result in landslide, spreading liquefaction or collapse according to the Seismic Hazards Zone Map dated March 25, 1999 from the State geologists Office. Liquefaction and seismically induced settlement or ground failure are generally associated with strong seismic shaking in areas where ground water tables are at relatively shallow depths (within 50 feet of the ground surface) and/or when the area is underlain by loose, cohesion less deposits. During a strong ground shaking event, saturated, cohesion less soils may acquire a degree of mobility to the extent that the overlying ground surface distorts. In extreme cases, saturated soils become suspended in groundwater and become fluid-like. Seismic settlement often occurs when loose to medium dense granular soils settle during ground shaking, and can cause structural damage to buildings when settlement is non-uniform. Such ground settlement hazards may be identified by on-site geologic investigations that are required of individual developments.

According to the General Plan EIR, the depth to groundwater is more than 50 feet. Therefore, the potential for liquefaction hazard is low, even in areas that have been designated as being subject to liquefaction (see Section 3.6.a.iii above). There are no known ongoing or planned large-scale extractions of groundwater, gas, oil, or geothermal energy that will cause subsidence within Baldwin Park. Therefore, impacts associated with subsidence will be less than significant.

Lateral spreading is unlikely to occur within the City due to the lack of topography and un-channelized waterbodies. Topsoil, recent alluvium, and weathered bedrock are typically porous and may be subject to hydro-collapse; therefore, these materials can be considered unsuitable for the support of engineered fills and structures. General Plan Public Safety Element Policy 1.2 requires the implementation of Uniform Building Code seismic safety standards for the construction of new buildings. In addition, the California Building Code requires all new

development to have a site specific geology report prepared by a registered geologist or soils expert and submitted to the City for review, which will ensure impacts related to expansive soils will be evaluated on a project-by-project basis. The project will be subject to compliance with Public Safety Policy 1.2 of the General Plan and the California Building Code to ensure potential impacts of liquefaction will be less than significant.

- d) **Less Than Significant Impact.** Expansion and contraction of volume can occur when expansive soils undergo alternating cycles of wetting (swelling) and drying (shrinking). During these cycles, the volume of the soil changes and can cause structural damage to building and infrastructure if the potentially expansive soils were not considered in project design and construction. Compaction of loose soils and poorly consolidated alluvium occur as a result of strong seismic shaking. The amount of compaction may vary from a few inches to several feet and may be significant in areas of thick soil cover. Topsoil, recent alluvium, and weathered bedrock are typically porous and may be subject to hydro-collapse; therefore, these materials can be unsuitable for the support of engineered fills and structures.

Unconsolidated to semi-consolidated alluvium underlie Baldwin Park. Therefore, these soils are considered potentially expansive. The California Building code (CBC) requires that a soil and geological report be prepared for any development, including future development. Presence of expansive soils and identification of measures to eliminate this constraint (such as removal and replacement with suitable engineered materials) will be determined through site-specific geotechnical evaluations to be conducted as part of the project's Plan check process. Such routine procedures will apply to development. As such, potential impacts associated with expansive soils will be less than significant.

- e) **No Impact.** The City of Baldwin Park is served by the Los Angeles Sanitation District with a network of sewer lines. Septic tanks are not used in the City. No impact will occur.

	<b>Potentially Significant Impact</b>	<b>Potentially Significant Unless Mitigation Incorporated</b>	<b>Less than Significant Impact</b>	<b>No Impact</b>
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**VII. GREENHOUSE GAS EMISSIONS**

-- Would the Project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with any applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a-b) **Less Than Significant Impact.** "Greenhouse gases" (so called because of their role in trapping heat near the surface of the earth) emitted by human activity are implicated in global climate change, commonly referred to as "global warming." These greenhouse gases contribute to an increase in the temperature of the earth by allowing incoming short wavelength visible sunlight to penetrate the atmosphere, while restricting outgoing terrestrial long wavelength heat radiation from exiting the atmosphere. The principal greenhouse gases (GHGs) include carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O). Collectively GHGs are measured as carbon dioxide equivalent (CO<sub>2</sub>e).

Fossil fuel consumption in the transportation sector (on-road motor vehicles, off-highway mobile sources, and aircraft) is the single largest source of GHG emissions, accounting for approximately half of GHG emissions globally. Industrial and commercial sources are the second largest contributors of GHG emissions with about one-fourth of total emissions. According to climate scientists, California and the rest of the developed world will have to cut emissions by 80 percent from today's levels to stabilize the amount of CO<sub>2</sub> in the atmosphere and prevent the most severe effects of global climate change.

California has passed several bills and the Governor has signed at least three executive orders regarding greenhouse gases. GHG statues and executive orders (EO) include Assembly Bill (AB) 32, Senate Bill (SB) 1368, Executive Order (EO) S-03-05, EO S-20-06 and EO S-01-07. AB 32, the California Global Warming Solutions Act of 2006, is one of the most significant pieces of environmental legislation that California has adopted. Most notably AB 32 mandates that by 2020, California's GHG emissions be reduced to 1990 levels. California Executive Order S-3-05 provides a more long-range goal and requires an 80 percent reduction of GHG from 1990 levels by 2050.

To meet AB 32 mandates and reduce GHG emissions to 1990 levels means cutting approximately 30 percent from business-as-usual emissions levels projected for 2020, or about 15 percent from today's levels. On a per-capita basis, that means reducing our annual emissions of 14 tons of CO<sub>2</sub> equivalent for every person in California down to about 10 tons per person by 2020.

It should be noted that neither SCAQMD nor the City of Baldwin Park has established a numeric threshold for GHG emissions significance. In the absence of a threshold, a project must be measured against the local jurisdiction's Climate Action Plan's goals, and significance determined accordingly. CalEEMod was used to estimate CO<sub>2</sub> emissions for existing land uses (three single family residences) and for the proposed project, as shown in Table GHG-1, below.

<b>Table GHG-1: GHG Emissions*</b>				
	<b>Construction</b>		<b>Operation**</b>	
<b>Pollutant</b>	<b>Existing Emissions (MT/year)</b>	<b>Project Emissions (MT/year)</b>	<b>Existing Emissions (MT/year)</b>	<b>Project Emissions (MT/year)</b>
CO <sub>2</sub>	N/A	290.62	59.77	286.94
<p>*Note that neither SCAQMD nor the City of Baldwin Park has established a numeric threshold for GHG emission significance. In the absence of a threshold, a project must be measured against the local jurisdiction's Climate Action Plan goals, and significance determined accordingly. CalEEMod was used to estimate CO<sub>2</sub> emissions for existing land use (three small single-family residences) and for the proposed project. The estimated "existing conditions" CO<sub>2</sub> emissions represent the environmental baseline for the project site. See Appendix A for CalEEMod reports.</p> <p>**These values include five factors: area, energy consumption, mobile CO<sub>2</sub> generation, CO<sub>2</sub> generated from waste processing, and CO<sub>2</sub> generated from water pumping and distribution.</p>				

The proposed project is not expected to result in a measurable long-term increase in GHG emissions. The proposed project would not generate or cause significant increase in vehicle trips and, therefore, should not contribute to any potentially significant increases in long-term GHG emissions.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>VIII. HAZARDS AND HAZARDOUS MATERIALS</b>				
-- Would the Project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within ¼ mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site which is included on a list of hazardous material sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project result in a safety hazard for people residing or working in the Project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the Project result in a safety hazard for people residing or working in the Project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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## EXPLANATION OF JUDGEMENTS:

- a) **Less than Significant Impact.** Hazardous materials will be stored and used on the site by the contractor of the proposed project during grading and construction. The types of hazardous materials include diesel fuel, gasoline, lubricants, paints, solvents, etc. It will be the responsibility of the contractor to use and store all hazardous materials in compliance with applicable Federal, state, and local laws and regulations. In the event of an accidental on-site hazardous material spill, the Los Angeles County Fire Department will be called and will be the first responders to the site. The Fire Department will initiate the actions necessary to contain the spill and direct the measures required to safeguard the community, including the on-site workers, adjacent residents.

The proposed project is for residential land uses that does not typically involve routine transport or use of hazardous materials. Therefore, the project will not create a significant hazard to the public through the routine transport use or disposal of hazardous materials. There will not be any hazardous materials associated with the proposed project post-construction.

- b) **Less than Significant Impact.** Reference response to a) above. There will be no significant hazard to the public or the environment regarding the upset or release of hazardous materials into the environment.
- c) **Less than Significant Impact.** Reference response to a) and b) above. One school, Pleasant View Elementary, is located in the vicinity approximately 0.13 miles west of the project. Typical hazardous emissions include air toxins released from a variety of sources such as motor vehicles. Potential emissions could occur at the project site due to operation of machinery during construction and demolition. However, once constructed the project will consist of residential uses, which would not generally emit hazardous materials. During construction and demolition, the project is required to comply with California Environmental Protection Agency regulations to protect air and water quality, as well as soil contaminant levels. As a result of compliance with Cal/EPA laws during construction, project impacts would be less than significant.
- d) **No Impact.** The proposed project is not located on a site that is included on a list of hazardous materials sites.
- e) **No Impact.** The City of Baldwin Park is not located within an airport land use plan influence area, and therefore would not create a hazard to people residing or working in the area.
- f) **No Impact.** Since the project is not within the vicinity of a private airstrip, the project would not create a safety hazard for people residing or working in the project area.
- g) **No Impact.** The project proposal will not impair implementation or physically interfere with the City's adopted emergency plan or emergency evacuation plan.

The Baldwin Park General Plan establishes policies regarding adequate emergency response in the event of a disaster, including Public Safety Policy 1.3 that requires the implementation of emergency procedures contained in the City's Multi-Hazard Functional Plan and Supplemental Emergency Preparedness Plans. The project will not change or interfere with the emergency response plans of the City and does not propose any alteration to vehicle circulation routes that could interfere with such plans. In accordance with City policies, the City will review all development proposals to determine the possible impacts of each development on emergency services. No impact will occur.

Policy 1.3 Continue to implement emergency procedures contained in the City's Multi-Hazard Functional Plan and Supplemental Emergency Preparedness Plans.

- h) **No Impact.** The project is within a highly urbanized area and will therefore not expose people or structures to a significant risk of loss, injury or death involving wildland fires.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
<b>IX. HYDROLOGY AND WATER QUALITY</b>				
-- Would the Project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Substantially alter the existing drainage pattern of the site or area, including the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**IX. HYDROLOGY AND WATER QUALITY**

-- Would the Project:

i) Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunami, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** The proposed project will not violate any water quality standards or waste discharge requirements, as the facility will generate minimal amounts of solid waste typical for this particular residential use. The applicant will be required to comply with the City’s local procedures to control storm water runoff to prevent violations of regional water quality standards, in accordance with its permit obligations under the citywide municipal storm water permit program, a component of the NPDES program of the federal Clean Water Act. New project proposals will be required to comply with Chapter 52 of the Municipal Code, which contains regulations to meet federal and State water quality requirements related to storm water runoff. General Plan Open Space and Conservation Policy 5.4 requires the continued enforcement of municipal NPDES Permit to protect and improve the quality of local and regional groundwater resources available to the City. Impacts will be less than significant with the enforcement of these Permit requirements.

Policy 5.4 Continue enforcement of municipal National Pollutant Discharge Elimination System (NPDES) Permit to protect water quality within the San Gabriel River watershed.

- b) **Less than Significant Impact.** The proposed project will not deplete groundwater supplies or interfere with groundwater recharge. Potable water in the City of Baldwin Park is provided by three water companies: Valley County Water District (VCWD), San Gabriel Valley Water Company, and Valley View Mutual Water Company (VMWC). VCWD is the largest water supplier in the City and serves approximately 55,000 people in parts of Baldwin Park and neighboring cities. Its main water source is wells beneath the district’s service area from the Upper San Gabriel Groundwater Basin, including four wells in Baldwin Park. The San Gabriel Valley Water Company supplies water exclusively from groundwater wells to customers in Baldwin Park and surrounding cities.

Most of the wells are located in Baldwin Park and El Monte, and six of the company’s reservoirs serve Baldwin Park. VCWD supplies water to approximately eighty percent of Baldwin Park’s population. VCWD has not reached its maximum capacity for water production from wells. Baldwin Park makes up approximately 48 percent of the VCWD. Total water use in 2010 was 8,313 acre feet per year (AFY) for the entire VCWD service area in 2010 and is projected to increase to 9,536 AFY in 2025. According to the 2010 Urban Water Management Plan, VCWD is capable of meeting all demand scenarios with its current supply including normal year, single dry year, and multiple dry year supply and demand conditions.

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The Urban Water Management Plan indicated that sufficient water supplies are available to protect existing and future water needs within the VCWD service area. The existing water supply is sufficient to meet widespread demand without substantially lowering groundwater levels. The City has identified the protection and conservation of its existing and future water resources within the General Plan, Open Space and Conservation Element policies listed below:

**Goal 5.0      Conserve and protect groundwater supply and water resources.**

Policy 5.1      Encourage water conservation through education, use of drought tolerant landscapes, and water conserving technology.

Policy 5.2      Promote the use of native plant material in landscapes and drought tolerant trees, especially in landscapes of City properties.

Policy 5.3      Encourage use and production of reclaimed water.

- c) **Less than Significant Impact.** The proposed project will not substantially alter the course of an adjacent stream or river, which would result in erosion, or siltation of the site as there is no stream or river running through the City, with the exception of the channelized San Gabriel River located at the City's western edge. The project will be required to implement standard on-site drainage controls and storm water conveyance devices to direct any drainage appropriately during construction. A drainage plan, required to be submitted by the applicant, will be subject to approval by the Public Works Department. Impacts related to erosion and siltation will be less than significant.
- d) **Less Than Significant Impact.** The proposed project will not substantially alter the drainage patterns of the City and will not alter the course of a stream or river, as there are no streams or rivers in the City with the exception of the channelized San Gabriel River. Due to the developed nature of the City, the project will not substantially alter the drainage pattern of the area, and will not substantially increase the rate of surface run-off that will cause flooding on or off site. Impacts associated with on- or off-site flooding will be less than significant.
- e) **Less Than Significant Impact.** The proposed project will not create or contribute run-off, which would exceed the capacity of the existing storm drain system. Nor will the proposed project provide any polluted run-off. Residential and commercial development in a built-out area typically do not generate significant water pollutants through point discharges but do contribute to water quality impacts due to community-wide and regional urban runoff. The project will be required to ensure project-specific and citywide drainage systems have adequate capacity to accommodate the new development. The Zoning Code includes design and maintenance guidelines that requires the project to be designed in a manner that collects surface runoff consistent with the requirements of the NPDES permit. Compliance with the City's Municipal Code Chapter 52: Storm Water and Urban Runoff Pollution Prevention and the Zoning Code design standards relating to drainage will ensure drainage system capacity impacts are less than significant.
- f) **Less Than Significant Impact.** The project will result in an increase in the amount of impervious surfaces on the project site. However, runoff from these impervious surfaces is not anticipated to degrade existing water quality. Furthermore, the applicant will be required to implement the requirements of the National Pollution Elimination Discharge System (NPDES), which regulates water quality runoff and which requires the implementation of Best Management Practices (BMP's) to ensure the quality of water runoff.

Policy 8.03      Reduce the amount of impervious surfaces in the City through selection of materials, site planning, and street design.

- g) **No Impact.** The project proposal will not place housing within a 100-year flood hazard area. Furthermore, the City is not within a Flood Zone. Federal Emergency Management Association (FEMA) has the City of Baldwin Park classified as Zone X—060100.
- h) **No Impact.** The proposal is not within a 100-year flood hazard area. FEMA has classified the City of Baldwin Park as Zone X—060100.

- i) **No Impact.** The project proposal will not expose people or structures to a significant risk of loss involving flooding as a direct result of the failure of a levee or dam. Although the Santa Fe Dam is located directly adjacent to the City across Arrow Highway and is considered to have a DSAC II rating, the Army Corps of Engineers Corps has implemented the following Interim Risk Reduction Measures, or IRRMs:
- Inspection and monitoring
  - Flood mapping
  - Updating the Emergency Action Plan
  - Coordination with local interests/tabletop emergency exercise
  - Installing piezometers adjacent to the outlet conduit
- j) **No Impact.** Since Baldwin Park is an inland City, it could not experience a tsunami and the few bodies of water in Baldwin Park are small enough that they would not be able to produce a seiche large enough to cause any damage. Furthermore, Baldwin Park is an urbanized City with no hillsides to speak of and therefore, damage caused by mudflow would be negligible.

	<b>Potentially Significant Impact</b>	<b>Potentially Significant Unless Mitigation Incorporated</b>	<b>Less than Significant Impact</b>	<b>No Impact</b>
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**X. LAND USE AND PLANNING**

-- Would the Project:

a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the Project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Conflict with an applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **No Impact.** The proposed project will not physically divide an established community. The project is an infill development within an established single-family residential neighborhood.
- b) **Less Than Significant Impact.** The proposed project will not be in conflict with any proposed land use plan, policy or regulation. The current allowable density for this project is a maximum of fourteen dwelling units. However, since the Applicant is requesting a conditional use permit for a density bonus, an additional dwelling unit over and above the maximum allowable density is permitted for a total of fifteen (15) dwelling units. Of the fifteen (15) dwelling units, one (1) of the dwelling units will be reserved for a family of low income. Because of the density bonus for the affordable units, the Applicant is allowed one (1) deviation pursuant to State Law, however, the applicant has requested several deviations from the existing Municipal Code's minimum requirements such as minimum lot sizes for individual lots, front, side (including second story) and rear yard setbacks, and countable private open space. In addition, the new cul-de-sac street

will be considered a private street as it does not meet the minimum development standards by the City's Public Works Department.

- c) **No Impact.** Currently the City has no habitat conservation plans or natural community conservation plans which would be affected by the proposed amendment.

	<b>Potentially Significant Impact</b>	<b>Potentially Significant Unless Mitigation Incorporated</b>	<b>Less than Significant Impact</b>	<b>No Impact</b>
<b>XI. MINERAL RESOURCES</b>				
-- Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **No Impact.** The project will not result in the loss of a known mineral resource that would be of future value to the region or the residents of the State. There are no known mineral resources located within the City of Baldwin Park according to the City's General Plan. The City is largely built out with urban uses that are incompatible with mineral extraction and/or surface mining activities. In a regional context, potential resources in Baldwin Park are limited in extent and inaccessible due to urbanization; thus, impacts on aggregate resources are not considered significant.
- b) **No Impact.** The project will not result in the loss of a locally important mineral resource recovery site as the City's General Plan does not indicate any known mineral resources.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XII. NOISE**

-- Would the Project result in:

a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) A substantial permanent increase in ambient noise levels above levels existing without the Project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the Project vicinity above levels existing without the Project?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the Project expose people residing or working in the Project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the Project expose people residing or working in the Project area to excessive noise?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** The proposed project will not result in the exposure of persons to or generation of noise levels in excess of standards established in the City's General Plan, noise ordinance or applicable standards of other agencies.

Noise levels would increase temporarily during the construction phase of the project. Construction, however, is regulated by the City and is addressed in the Municipal Code (Section 153.140.070) to limit overall noise levels to an acceptable range. (See XI (d), below) Increased population and development will result in increasing noise from a variety of sources commonly found in an urban environment (human activities, mechanical equipment, automobiles, pets, etc.). This increase is considered to be less than significant.

- b) **No Impact.** The project will not result in the exposure of persons to generation of excess ground borne vibration or ground borne noise levels.

- c) **Less Than Significant Impact.** The project could result in increases in ambient noise levels, caused primarily by increased vehicular traffic both on and off site as well as from trash pickup

services once the new residences are occupied. However, none of these noise-related activities is anticipated to create substantial permanent increases of ambient noise levels.

- d) **Potentially Significant Unless Mitigation Incorporation.** The project will generate periodic short-term increases in ambient noise levels above existing levels due to construction activities. Short-term construction related noise impacts, however, would be reduced to less than significant levels with mitigation measures.

**Mitigation Measures:**

Measures to reduce short-term construction-related noise impacts include the following:

Mitigation Measure XII(d)-1: Project construction shall be limited to the period from 7:00 a.m. to 7:00 p.m. on Mondays through Fridays and from 8:00 a.m. to 5:00 p.m. on Saturdays. Construction during other periods or on Sundays would be limited to emergencies and activities determined to be in the interest of the general public.

Mitigation Measure XII(d)-2: Contractors shall comply with all local sound control and noise level rules, regulations, and ordinances that apply to any work performed pursuant to the contract. Each internal combustion engine used for any purpose on the job or related to the job shall be equipped with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated on the project without the said muffler.

- e) **No Impact.** The City of Baldwin Park is not located within an airport land use plan not within two miles of an airport. Therefore, the project will not expose people to excessive noise levels.
- f) **No Impact.** The City of Baldwin Park is not within the vicinity of a private airstrip. Therefore, the project will not expose people to excessive noise levels.

	<b>Potentially Significant Impact</b>	<b>Potentially Significant Unless Mitigation Incorporated</b>	<b>Less than Significant Impact</b>	<b>No Impact</b>
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**XIII. POPULATION AND HOUSING**

-- Would the Project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** The construction of fifteen (15) single-family dwelling units may result in an indirect increase in the local population by attracting new residents to the community. This could result in higher levels of traffic and increased demands on municipal agencies. However, it is not anticipated that this population increase will be significant. The project will involve the demolition of three (3) existing single-family residences, which will then result in a net increase of twelve (12) units. Moreover, the potential result of increased manpower and equipment needed to serve citywide demands brought on by new residential development are evaluated annually.

The net increase of twelve (12) residential units will minimally increase the population of the area, which may result in higher levels of traffic and increased demands on municipal agencies. The increase in population will not create a significant impact. According to the most recent Population and Housing Estimates for Individual Counties from the California Department of Finance, a slight increase would be expected to occur with an average of 4.45 persons per dwelling, which creates an approximate increase of fifty-three (53) persons. The potential result of increased manpower and equipment needed to serve citywide demands are evaluated annually. The provision of fifteen (15) residential units is considered a beneficial impact. The provision of one (1) affordable housing unit reserved for a family of low income will serve a segment of the community that is usually overlooked in the housing development market. The project is in compliance with the City's General Plan.

Goal 3.0 Assist in the development of housing affordable to low and moderate income households.

Policy 3.1 Support the development of affordable housing by providing financial and/or regulatory incentives for projects which include low and moderate income units

- b) **No Impact.** The proposed project will not displace substantial numbers of existing housing necessitating the construction of replacement housing. The three existing dwelling units demolished as part of the development will be replaced with this new construction.
- c) **No Impact.** The proposed project will not displace a substantial number of individuals or families necessitating the construction of replacement housing as the project will be in compliance with the General Plan and applicable zoning regulations.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XIV. PUBLIC SERVICES**

a) Would the Project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

i) Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
v) Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- i. **Less Than Significant Impact.** The proposed project should not result in the additional need for new or altered fire protection and will not alter acceptable service ratios or response times. Whether or not the project would require additional police service or fire staff depends on the total requirements of the City and County. Currently, Station 48 serves this segment of the City, which is located on Arrow Highway in the adjacent City of Irwindale.
- ii. **Less Than Significant Impact.** Police services are already in place to serve this development. An increase in police services would be considered less than significant. The project may result in some increase in police calls.
- iii. **Less Than Significant Impact.** The net impact of the project on the school facilities will be minimal. There would be a slight increase in local school enrollment. If viewed as an isolated occurrence, the project will result in an anticipated net increase in population of up to fifty-three (53.4) persons (12 units x 4.45 persons per unit) with up to twenty-one (21) school-aged children (40% of the total between the ages of 0-20). School impact fees collected prior to occupancy are intended to offset any potential demand for new school facilities. School Development Fees in the amount of \$3.36/sq.ft. shall be paid to the Baldwin Park Unified School District prior to obtaining building permits. These fees are considered to provide full and complete school facilities mitigation.
- iv. **Less Than Significant Impact.** This residential development will not significantly increase the local population. The project is, therefore, not expected to significantly impact the City's existing parks or recreational facilities. The City's Parkland In-Lieu Fee (Quimby Fee) collected prior to occupancy is intended to offset any potential demand for parks and recreational facilities.
- v. **No Impact.** The proposed project will not require the need for new or physically altered public facilities. The City of Baldwin Park is served by one public library; Baldwin Park Library. The

Baldwin Park Library, located at 4181 Baldwin Park Boulevard, is part of the Los Angeles County library system. This allows for seamless borrowing within the County of Los Angeles. The 15,555-square foot library includes a meeting room, children's area, teen space, book drop for 24-hour accessible returns, and a reading room. The library recently underwent a renovation. With the renovations, the library will adequately serve the City. Impacts will be less than significant.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XV. RECREATION**

a) Would the Project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the Project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **No Impact.** The proposed project is not expected to significantly impact the City's existing parks or recreational facilities. The City of Baldwin Park maintains six City-owned parks totaling 26 acres. These include one community park, the 12- acre Morgan Park located in the Central Business District, and five neighborhood parks, Central Park West, Barnes Park, Roadside Park, Walnut Creek Nature Park, and Syhre Park. Residents also have access to approximately 169 acres of joint-use school playground facilities. In addition to the City parks, residents have access to County regional parks within and near the City. The National Recreation and Parks Association (NRPA) established a guideline of 2.5 acres of public park service and facilities per 1000 residents. With a population of approximately 74,738 (2014 Department of Finance), the City should have approximately 192 acres of parks. Based on the 27 acres of public park land, Baldwin Park has about 0.35 acres of park space per 1,000 residents, which is significantly less than NRPA recommendations. Therefore, the City has an existing deficiency.

As a condition of approval for the new development, the City will require a payment of a Parkland In-Lieu Fee (Quimby Fee) to help reduce potential impacts of future development on parks and recreational facilities; thus, deterioration to existing parks and recreation facilities will be less than significant as a result of the development project because parks and recreation facilities will be incrementally expanded or new facilities built to meet future demand. In addition, the following existing General Plan Open Space and Conservation policies require the preservation of existing park space, encourage diverse recreational programs, and require developers to contribute to parks and recreational facilities.

**Goal 1.0 Provide and maintain adequate parks and open space.**

Policy 1.1 Preserve all existing park space, and provide improvements to enhance utilization.

Policy 1.2 Establish as a priority for funding the acquisition and development of parks and recreational facilities in neighborhoods where there is a shortage of parks.

- Policy 1.3 Pursue acquisition of property through purchase or donation to create mini-parks where it is not possible to acquire sufficient acreage for neighborhood parks.
- Policy 1.4 Continue to work cooperatively with the Baldwin Park Unified School District to maintain and expand playground use.

**Goal 2.0 Provide a diversity of recreational programs to meet the needs of all individuals and groups in Baldwin Park.**

- Policy 2.1 Conduct ongoing needs assessment and evaluation of demands for recreational activities, and modify programs where necessary to meet these demands.
- Policy 2.2 Notify City residents of the types of recreation and programs available, and encourage their participation.
- Policy 2.3 Incorporate areas for both active and passive recreation in parks and facilities, and ensure that these are accessible to all age groups, as practical.

**Goal 4.0 Ensure that the costs of park and recreation facilities and programs are borne by those who benefit and contribute to additional demands.**

- Policy 4.1 Require that developers contribute to provide parks and recreational facilities to offset additional demands brought about by new development.
- Policy 4.2 Pursue the utilization of various state and county funding mechanisms to provide additional funding resources.
- Policy 4.3 Establish a formal mechanism by which the City may accept gifts and dedications of parks and open space.
- Policy 4.4 Encourage the development of recreation programs by non-City public and private sports organizations to involve more children and adults in outdoor recreation activity. Use volunteers to operate and maintain programs whenever possible.

b) **No Impact.** The proposed project does not require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment. The City's Development Impact Fee (Quimby Fee) collected prior to occupancy is intended to offset any potential demand for parks and recreational facilities.

	<b>Potentially Significant Impact</b>	<b>Potentially Significant Unless Mitigation Incorporated</b>	<b>Less than Significant Impact</b>	<b>No Impact</b>
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**XVI. TRANSPORTATION/TRAFFIC**

-- Would the Project:

- |  |                          |                          |                                     |                                     |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| a) Conflict with an applicable plan, ordinance or policy establishing a measure of effectiveness for the performance of the circulation system, taking into account all modes of transportation, including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, and freeways, pedestrian and bicycle paths, and mass transit? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and   | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XVI. TRANSPORTATION/TRAFFIC**

-- Would the Project:

travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible use (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bikeways, or pedestrian facilities, or otherwise substantially decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** The proposed project will result in an increase in traffic generated (vehicle trips) during the weekdays. According to the Institute of Transportation Engineers Trip Generation Manual 9<sup>th</sup> Edition, the net increase of twelve (12) residential units will result in an increase of approximately 114 daily vehicle trips. This increase will not conflict with an applicable plan, ordinance or policy affecting the performance of the circulation system. The City's traffic impact fee (\$46.63 per unit), collected prior to occupancy, is will off-set any traffic impacts created by the development.
- b) **No Impact.** The proposal will not exceed a level of service standard established by the Los Angeles County Congestion Management Agency (MTA) for designated roads or highways. The project is not located on a road considered designated by the Los Angeles County Congestion Management Agency (MTA). It is anticipated that the overall development will have a negligible increase in the vehicle trips generated from the site.
- c) **No Impact.** The proposal will not result in a change or increase in air traffic patterns or levels that result in substantial safety risks.
- d) **No Impact.** The proposed project is not anticipated to increase hazards due to a design feature or incompatible uses, as the new cul-de-sac street has been designed in compliance with all minimum development standards.
- e) **No Impact.** The project will not result in inadequate emergency access as the new cul-de-sac street was designed to provide adequate maneuverability for emergency access vehicles.
- f) **No Impact.** The proposed project will not conflict with adopted policies, plans or programs supporting alternative transportation as the new street will provide adequate pedestrian sidewalks and is not identified to provide or maintain any type of a bikeway or provide a public transit facility.

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XVII. UTILITIES AND SERVICE SYSTEMS**

-- Would the Project:

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the Project from existing entitlements and resources, or are new or expanded entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Result in a determination by the wastewater treatment provider which serves or may serve the Project that it has adequate capacity to serve the Project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Be served by a landfill with sufficient permitted capacity to accommodate the Project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** Wastewater treatment services for the City of Baldwin Park are provided by Los Angeles County Sanitation District (LACSD). Wastewater treatment requirements for the Los Angeles County Sanitation District treatment facilities are established by the Los Angeles Regional Water Quality Control Board (RWQCB). These treatment requirements establish pollutant limits for effluent discharges to receiving waters. The project will not require additional wastewater treatment services that was not accounted for and analyzed in the General Plan EIR. The project will result in typical residential wastewater discharges, and will not require new methods or equipment for treatment that are not currently permitted for the existing treatment plants. The project will not result in an increase in wastewater to such an extent that RWQCB treatment requirements cannot be met. Future development will not interfere with compliance with RWQCB wastewater treatment requirements; thus, no impacts will be less than significant.

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- b) **Less Than Significant Impact.** The proposed project will not require the construction of new water or wastewater treatment facilities or the expansion of existing facilities. Wastewater is treated at the San Jose Creek Water Reclamation Plant near the City of Whittier, where it is treated and reused as groundwater recharge and irrigation of parks, schools, and greenbelts. LACSD indicates that presently no deficiencies or significant treatment capacity limitations exist within their facilities. According to LACSD, the district has adequate capacity to accommodate development associated with implementation of the proposed project.

The Los Angeles County Department of Public Works, Sewer Maintenance Division, and the Baldwin Park Engineering Division consider the sewer line system adequate to handle foreseeable future development. The City has adopted policies in the General Plan to reduce potential growth-related impacts associated with future development. With adherence to the policies identified in the existing General Plan Open Space and Conservation Element, impacts related to the expansion of water and wastewater facilities will be less than significant.

Policy 1.1 Work closely with local water and sewer districts in determining and meeting community needs for water and sewer service.

Policy 1.2 Permit development densities and intensities no higher than the City's ability to provide the necessary public services, utilities, street capacities, and recreational opportunities required for the areas affected by development.

- c) **Less Than Significant Impact.** The project site is not within a flood zone area. The increase in impervious surfaces will marginally increase runoff from the project area. Construction of drainage devices will be subject to standard construction requirements for erosion control and water quality requirements. The project will comply with existing standards and regulations for conveyance of stormwater; thus, impacts to the environment from construction of storm drain infrastructure will be less than significant.
- d) **Less Than Significant Impact.** The project will not affect existing water supplies provided to the City. Potable water in Baldwin Park is provided by three water companies: Valley County Water District (VCWD), San Gabriel Valley Water Company, and Valley View Mutual Water Company (VVMWD). VCWD is the largest water supplier and serves approximately 55,000 people. VCWD has the capacity to produce 15 million gallons of water per day (mgd). However, the average production is 7 to 8 mgd. Water supplied by VCWD is from wells at a depth of approximately 600 feet in the Upper San Gabriel Groundwater Basin. The project will not result in additional demand on water supplies as future development has been previously accounted for and analyzed in the General Plan EIR and will not result in the need for new or expanded water supplies, therefore, impact will be less than significant.
- e) **Less Than Significant Impact.** The proposed project will not result in a determination by the watershed treatment provider that it has inadequate capacity to serve existing and future demands.
- f) **Less Than Significant Impact.** Construction of twelve (12) residential units (net increase) will increase the demand for solid waste disposal; however, the level of solid waste generation is small in comparison to total solid waste disposal on a regional level. The City, in an effort to reduce the amount of solid waste disposed, currently encourages recycling by residents, including the recycling of paper, glass, plastic and aluminum. Waste Management, the City's waste hauler, utilizes the El Sobrante landfill located in the City of Corona, which has enough permitted capacity to accommodate the proposed project's waste disposal needs.

The current capacity for the El Sobrante landfill is approximately 16,054 tons per day of solid waste. The landfill is currently 12% filled with a remaining capacity of 145,530,000 tons from its maximum permitted capacity of 184,930,000 tons and anticipates a closing date of January 1, 2045. Other landfills are also available to serve the City. The Chiquita Canyon Sanitary Landfill, located in Castaic, has a permitted daily capacity of 6,000 tons per day and a total capacity of 63,900,00 cubic yards, with a remaining capacity of 29,300,000 cubic yards. The Chiquita

Canyon Landfill is estimated to close in 2019. Regional plans are underway to transport waste by rail to landfill sites in the desert areas to the east.

Compliance with existing General Plan Open Space and Conservation policies (see below) and County waste reduction programs and policies will reduce the volume of solid waste entering landfills. The project will be required to comply with applicable State and local regulations, thus reducing the amount of landfill waste by at least 50 percent. The City’s recently adopted Health and Sustainability Element includes the section “Reduce, Reuse, Recycle, and Compost” which aims to increase composting, recycling and source reduction citywide to meet and exceed the mandates of the AB 939 (California Recycling Laws). Implementation will help reduce solid waste citywide. Impacts related to sufficient landfill capacity are anticipated to be less than significant.

**Open Space and Conservation Element Goals and Policies**

**Goal 7.0 Reduce the amount of solid waste produced in Baldwin Park.**

- Policy 7.1 Implement goals and policies contained in the City’s Household Hazardous Waste and Source Reduction and Recycling Elements as mandated by AB939, as amended.
- Policy 7.2 Maximize public awareness of all source reduction and recycling programs.
- Policy 7.3 m Encourage composting of organic materials and recycling in general as an alternative to waste disposal.
- Policy 7.4 Encourage participation in local and County waste disposal programs for such household hazardous waste items as automotive products, paints, chemicals, tires, and batteries.

**Health and Sustainability Element Goals and Policies**

- Policy 6.01 Encourage residents and businesses to take an active role in reducing consumption and increase the recycling, reuse, and composting of materials.
- Policy 6.02 Reduce consumption and increase recycling and reuse of materials in City operations.

g) **No Impact.** Residential waste collection in Baldwin Park is disposed of in regional landfills, as described above. The project will be required to comply with State mandates and City regulations regarding reduction/recycling of household waste. No impact will occur.

	<b>Potentially Significant Impact</b>	<b>Potentially Significant Unless Mitigation Incorporated</b>	<b>Less than Significant Impact</b>	<b>No Impact</b>
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**XVIII. MANDATORY FINDINGS OF SIGNIFICANCE**

a) Does the project have the potential to substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self- sustaining levels, eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

	Potentially Significant Impact	Potentially Significant Unless Mitigation Incorporated	Less than Significant Impact	No Impact
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**XVIII. MANDATORY FINDINGS OF SIGNIFICANCE**

- |  |                          |                          |                                     |                                     |
|--|--------------------------|--------------------------|-------------------------------------|-------------------------------------|
| b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/>            |
| c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | <input checked="" type="checkbox"/> |

**EXPLANATION OF JUDGEMENTS:**

- a) **Less Than Significant Impact.** The proposed project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of major periods of California history or prehistory. The area proposed to be developed with the new housing is entirely urbanized and devoid of habitat that would support the presence of sensitive wildlife or plant species. Mitigation has been provided that will address the unlikely uncovering of cultural or paleontological resources during the construction phase of the project.
- b) **Less Than Significant Impact.** The project does have impacts that are individually limited and which are less than significant. Cumulative impacts related to the project include incremental environmental effects that could be termed significant when considering not only this project and its impacts but also cumulative impacts of projects that are located in the same general vicinity. However, cumulative impacts have been previously addressed in the General Plan Environmental Impact Report (EIR). The EIR addressed cumulative environmental impacts resulting from future development that is consistent with the goals, policies, and land use patterns of the city’s adopted General Plan. This project, and similar projects in the same general vicinity, is consistent with the General Plan, and their cumulative environmental effects have already been analyzed and have been determined to be less than significant.
- c) **No Impact.** The project does not create environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly.

## REFERENCES

The following are also referenced where appropriate in the Environmental Checklist Form:

- a. General Plan
- b. Municipal Code
- c. Zoning Code
- d. Emergency Operations Coordinator
- e. Geological Map—Liquefaction Zones
- f. California Emissions Estimator Model, v. 2013.2
- e. U.S. Army Corps of Engineers, Dam Safety Program

# **APPENDIX A**

## **CalEEMod Reports**

## Baldwin Hills PUD - Existing Conditions

### Los Angeles-South Coast County, Annual

### 1.0 Project Characteristics

#### 1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
	0.00		0.00		0
Single Family Housing	3.00	Dwelling Unit	0.42	2,400.00	9

#### 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>	2016
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<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 - The three existing lots are approx. 6000 square feet each. 3 houses: 720, 720 and 960 sf.

Construction Phase - Model run for existing conditions & operational only.

Off-road Equipment - No demo - operational only.

Trips and VMT - Calculations for operational only.

On-road Fugitive Dust - Calculations for operational emissions only.

Grading - Calculating for operational emissions only.

Architectural Coating - Calculations for operational only.

Woodstoves - No known fireplaces in existing residences.

- Water And Wastewater -
- Land Use Change -
- Mobile Land Use Mitigation -
- Area Mitigation -
- Energy Mitigation -
- Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	NumDays	100.00	1.00
tblConstructionPhase	NumDays	10.00	1.00
tblConstructionPhase	NumDays	2.00	1.00
tblConstructionPhase	NumDays	5.00	1.00
tblConstructionPhase	PhaseEndDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseEndDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseEndDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseEndDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseEndDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseStartDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseStartDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseStartDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseStartDate	3/3/2016	3/2/2016
tblConstructionPhase	PhaseStartDate	3/3/2016	3/2/2016
tblFireplaces	NumberGas	2.55	0.00
tblFireplaces	NumberNoFireplace	0.30	0.00
tblFireplaces	NumberWood	0.15	0.00
tblLandUse	LandUseSquareFeet	5,400.00	2,400.00

tblLandUse	LotAcreage	0.97	0.42
tblProjectCharacteristics	OperationalYear	2014	2016
tblWoodstoves	NumberCatalytic	0.15	0.00
tblWoodstoves	NumberNoncatalytic	0.15	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					
2016	0.0129	0.0316	0.0225	3.0000e-005	8.8000e-004	2.1200e-003	3.0000e-003	3.0000e-004	1.9900e-003	2.2900e-003	0.0000	2.9132	2.9132	6.7000e-004	0.0000	2.9274
<b>Total</b>	<b>0.0129</b>	<b>0.0316</b>	<b>0.0225</b>	<b>3.0000e-005</b>	<b>8.8000e-004</b>	<b>2.1200e-003</b>	<b>3.0000e-003</b>	<b>3.0000e-004</b>	<b>1.9900e-003</b>	<b>2.2900e-003</b>	<b>0.0000</b>	<b>2.9132</b>	<b>2.9132</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>2.9274</b>



## 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	0.0106	3.7000e-004	0.0314	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0505	0.0505	5.0000e-005	0.0000	0.0516
Energy	4.8000e-004	4.1200e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	11.0334	11.0334	3.8000e-004	1.5000e-004	11.0870
Mobile	0.0204	0.0639	0.2449	5.5000e-004	0.0370	8.8000e-004	0.0379	9.9100e-003	8.1000e-004	0.0107	0.0000	44.3686	44.3686	1.9000e-003	0.0000	44.4084
Waste						0.0000	0.0000		0.0000	0.0000	0.7490	0.0000	0.7490	0.0443	0.0000	1.6786
Water						0.0000	0.0000		0.0000	0.0000	0.0620	1.1201	1.1821	6.4200e-003	1.6000e-004	1.3669
<b>Total</b>	<b>0.0315</b>	<b>0.0684</b>	<b>0.2780</b>	<b>5.8000e-004</b>	<b>0.0370</b>	<b>1.3800e-003</b>	<b>0.0384</b>	<b>9.9100e-003</b>	<b>1.3100e-003</b>	<b>0.0112</b>	<b>0.8111</b>	<b>56.5727</b>	<b>57.3837</b>	<b>0.0530</b>	<b>3.1000e-004</b>	<b>58.5925</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	tons/yr										MT/yr					
Area	0.0106	3.7000e-004	0.0314	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0505	0.0505	5.0000e-005	0.0000	0.0516
Energy	4.8000e-004	4.1200e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	11.0334	11.0334	3.8000e-004	1.5000e-004	11.0870
Mobile	0.0204	0.0639	0.2449	5.5000e-004	0.0370	8.8000e-004	0.0379	9.9100e-003	8.1000e-004	0.0107	0.0000	44.3686	44.3686	1.9000e-003	0.0000	44.4084
Waste						0.0000	0.0000		0.0000	0.0000	0.3745	0.0000	0.3745	0.0221	0.0000	0.8393
Water						0.0000	0.0000		0.0000	0.0000	0.0620	1.1201	1.1821	6.4200e-003	1.6000e-004	1.3668
<b>Total</b>	<b>0.0315</b>	<b>0.0684</b>	<b>0.2780</b>	<b>5.8000e-004</b>	<b>0.0370</b>	<b>1.3800e-003</b>	<b>0.0384</b>	<b>9.9100e-003</b>	<b>1.3100e-003</b>	<b>0.0112</b>	<b>0.4365</b>	<b>56.5727</b>	<b>57.0092</b>	<b>0.0309</b>	<b>3.1000e-004</b>	<b>57.7531</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	46.18	0.00	0.65	41.76	0.00	1.43

### 2.3 Vegetation

#### Vegetation

		CO2e
Category	tons	MT
Vegetation Land Change		0.0000
<b>Total</b>		<b>0.0000</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	3/2/2016	3/2/2016	5	1	
2	Site Preparation	Site Preparation	3/2/2016	3/2/2016	5	1	
3	Grading	Grading	3/2/2016	3/2/2016	5	1	
4	Building Construction	Building Construction	3/2/2016	3/2/2016	5	1	
5	Paving	Paving	3/2/2016	3/2/2016	5	1	

6	Architectural Coating	Architectural Coating	3/2/2016	3/2/2016	5	1
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**Acres of Grading (Site Preparation Phase): 0.5**

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

**Acres of Paving: 0**

**Residential Indoor: 4,860; Residential Outdoor: 1,620; Non-Residential Indoor: 0; Non-Residential Outdoor: 0 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	1.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Rubber Tired Dozers	1	1.00	255	0.40
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Building Construction	Cranes	1	4.00	226	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Paving	Pavers	1	7.00	125	0.42
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	1.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	0.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

**3.2 Demolition - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6000e-004	5.6200e-003	4.3500e-003	1.0000e-005		4.0000e-004	4.0000e-004		3.8000e-004	3.8000e-004	0.0000	0.5414	0.5414	1.1000e-004	0.0000	0.5437
<b>Total</b>	<b>6.6000e-004</b>	<b>5.6200e-003</b>	<b>4.3500e-003</b>	<b>1.0000e-005</b>		<b>4.0000e-004</b>	<b>4.0000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>0.5414</b>	<b>0.5414</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.0000e-005	3.0000e-005	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0535	0.0535	0.0000	0.0000	0.0535
<b>Total</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0535</b>	<b>0.0535</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0535</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.6000e-004	5.6200e-003	4.3500e-003	1.0000e-005		4.0000e-004	4.0000e-004		3.8000e-004	3.8000e-004	0.0000	0.5414	0.5414	1.1000e-004	0.0000	0.5437
<b>Total</b>	<b>6.6000e-004</b>	<b>5.6200e-003</b>	<b>4.3500e-003</b>	<b>1.0000e-005</b>		<b>4.0000e-004</b>	<b>4.0000e-004</b>		<b>3.8000e-004</b>	<b>3.8000e-004</b>	<b>0.0000</b>	<b>0.5414</b>	<b>0.5414</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5437</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.0000e-005	3.0000e-005	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0535	0.0535	0.0000	0.0000	0.0535
<b>Total</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0535</b>	<b>0.0535</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0535</b>

**3.3 Site Preparation - 2016**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
<b>Total</b>	<b>6.8000e-004</b>	<b>6.8200e-003</b>	<b>3.6700e-003</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>4.2000e-004</b>	<b>6.9000e-004</b>	<b>3.0000e-005</b>	<b>3.8000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>0.4414</b>	<b>0.4414</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4442</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268
<b>Total</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0267</b>	<b>0.0267</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0268</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.7000e-004	0.0000	2.7000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.8000e-004	6.8200e-003	3.6700e-003	0.0000		4.2000e-004	4.2000e-004		3.8000e-004	3.8000e-004	0.0000	0.4414	0.4414	1.3000e-004	0.0000	0.4442
<b>Total</b>	<b>6.8000e-004</b>	<b>6.8200e-003</b>	<b>3.6700e-003</b>	<b>0.0000</b>	<b>2.7000e-004</b>	<b>4.2000e-004</b>	<b>6.9000e-004</b>	<b>3.0000e-005</b>	<b>3.8000e-004</b>	<b>4.1000e-004</b>	<b>0.0000</b>	<b>0.4414</b>	<b>0.4414</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4442</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	1.0000e-005	2.0000e-005	1.7000e-004	0.0000	3.0000e-005	0.0000	3.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0267	0.0267	0.0000	0.0000	0.0268
<b>Total</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0267</b>	<b>0.0267</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0268</b>

**3.4 Grading - 2016**

**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					3.8000e-004	0.0000	3.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	5.6200e-003	4.3500e-003	1.0000e-005		4.0000e-004	4.0000e-004		3.8000e-004	3.8000e-004	0.0000	0.5414	0.5414	1.1000e-004	0.0000	0.5437
<b>Total</b>	<b>6.6000e-004</b>	<b>5.6200e-003</b>	<b>4.3500e-003</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>4.0000e-004</b>	<b>7.8000e-004</b>	<b>2.1000e-004</b>	<b>3.8000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.5414</b>	<b>0.5414</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5437</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.0000e-005	3.0000e-005	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0535	0.0535	0.0000	0.0000	0.0535
<b>Total</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0535</b>	<b>0.0535</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0535</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					3.8000e-004	0.0000	3.8000e-004	2.1000e-004	0.0000	2.1000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.6000e-004	5.6200e-003	4.3500e-003	1.0000e-005		4.0000e-004	4.0000e-004		3.8000e-004	3.8000e-004	0.0000	0.5414	0.5414	1.1000e-004	0.0000	0.5437
<b>Total</b>	<b>6.6000e-004</b>	<b>5.6200e-003</b>	<b>4.3500e-003</b>	<b>1.0000e-005</b>	<b>3.8000e-004</b>	<b>4.0000e-004</b>	<b>7.8000e-004</b>	<b>2.1000e-004</b>	<b>3.8000e-004</b>	<b>5.9000e-004</b>	<b>0.0000</b>	<b>0.5414</b>	<b>0.5414</b>	<b>1.1000e-004</b>	<b>0.0000</b>	<b>0.5437</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	2.0000e-005	3.0000e-005	3.3000e-004	0.0000	5.0000e-005	0.0000	6.0000e-005	1.0000e-005	0.0000	2.0000e-005	0.0000	0.0535	0.0535	0.0000	0.0000	0.0535
<b>Total</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0535</b>	<b>0.0535</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0535</b>

**3.5 Building Construction - 2016****Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-004	6.8500e-003	4.1100e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	0.5346	0.5346	1.6000e-004	0.0000	0.5380
<b>Total</b>	<b>6.9000e-004</b>	<b>6.8500e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.3000e-004</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>0.5346</b>	<b>0.5346</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5380</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	5.3500e-003	5.3500e-003	0.0000	0.0000	5.3500e-003
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.3500e-003</b>	<b>5.3500e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.3500e-003</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	6.9000e-004	6.8500e-003	4.1100e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.3000e-004	4.3000e-004	0.0000	0.5346	0.5346	1.6000e-004	0.0000	0.5380
<b>Total</b>	<b>6.9000e-004</b>	<b>6.8500e-003</b>	<b>4.1100e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.3000e-004</b>	<b>4.3000e-004</b>	<b>0.0000</b>	<b>0.5346</b>	<b>0.5346</b>	<b>1.6000e-004</b>	<b>0.0000</b>	<b>0.5380</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	3.0000e-005	0.0000	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	5.3500e-003	5.3500e-003	0.0000	0.0000	5.3500e-003
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.3500e-003</b>	<b>5.3500e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.3500e-003</b>

**3.6 Paving - 2016**

**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	5.6000e-004	5.3100e-003	3.6500e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.1000e-004	3.1000e-004	0.0000	0.4915	0.4915	1.3000e-004	0.0000	0.4943
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>5.6000e-004</b>	<b>5.3100e-003</b>	<b>3.6500e-003</b>	<b>1.0000e-005</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.4915</b>	<b>0.4915</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4943</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0962	0.0962	1.0000e-005	0.0000	0.0964
<b>Total</b>	<b>4.0000e-005</b>	<b>6.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0962</b>	<b>0.0962</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0964</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	5.6000e-004	5.3100e-003	3.6500e-003	1.0000e-005		3.3000e-004	3.3000e-004		3.1000e-004	3.1000e-004	0.0000	0.4915	0.4915	1.3000e-004	0.0000	0.4943
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>5.6000e-004</b>	<b>5.3100e-003</b>	<b>3.6500e-003</b>	<b>1.0000e-005</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>		<b>3.1000e-004</b>	<b>3.1000e-004</b>	<b>0.0000</b>	<b>0.4915</b>	<b>0.4915</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>0.4943</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	4.0000e-005	6.0000e-005	6.0000e-004	0.0000	1.0000e-004	0.0000	1.0000e-004	3.0000e-005	0.0000	3.0000e-005	0.0000	0.0962	0.0962	1.0000e-005	0.0000	0.0964
<b>Total</b>	<b>4.0000e-005</b>	<b>6.0000e-005</b>	<b>6.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>1.0000e-004</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.0962</b>	<b>0.0962</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.0964</b>

**3.7 Architectural Coating - 2016**

**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	9.3900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8000e-004	1.1900e-003	9.4000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1277	0.1277	2.0000e-005	0.0000	0.1280
<b>Total</b>	<b>9.5700e-003</b>	<b>1.1900e-003</b>	<b>9.4000e-004</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.1277</b>	<b>0.1277</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.1280</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</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	9.3900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.8000e-004	1.1900e-003	9.4000e-004	0.0000		1.0000e-004	1.0000e-004		1.0000e-004	1.0000e-004	0.0000	0.1277	0.1277	2.0000e-005	0.0000	0.1280
<b>Total</b>	<b>9.5700e-003</b>	<b>1.1900e-003</b>	<b>9.4000e-004</b>	<b>0.0000</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>		<b>1.0000e-004</b>	<b>1.0000e-004</b>	<b>0.0000</b>	<b>0.1277</b>	<b>0.1277</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.1280</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>							

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0204	0.0639	0.2449	5.5000e-004	0.0370	8.8000e-004	0.0379	9.9100e-003	8.1000e-004	0.0107	0.0000	44.3686	44.3686	1.9000e-003	0.0000	44.4084
Unmitigated	0.0204	0.0639	0.2449	5.5000e-004	0.0370	8.8000e-004	0.0379	9.9100e-003	8.1000e-004	0.0107	0.0000	44.3686	44.3686	1.9000e-003	0.0000	44.4084

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Single Family Housing	28.71	30.24	26.31	97,682	97,682
Total	28.71	30.24	26.31	97,682	97,682

#### 4.3 Trip Type Information

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

LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.533598	0.058434	0.178244	0.125508	0.038944	0.006283	0.016425	0.031066	0.002453	0.003157	0.003691	0.000543	0.001655

#### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

### 5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.2626	6.2626	2.9000e-004	6.0000e-005	6.2871
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	6.2626	6.2626	2.9000e-004	6.0000e-005	6.2871
NaturalGas Mitigated	4.8000e-004	4.1200e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7709	4.7709	9.0000e-005	9.0000e-005	4.7999
NaturalGas Unmitigated	4.8000e-004	4.1200e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7709	4.7709	9.0000e-005	9.0000e-005	4.7999

### 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					
Single Family Housing	89402.8	4.8000e-004	4.1200e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7709	4.7709	9.0000e-005	9.0000e-005	4.7999
<b>Total</b>		<b>4.8000e-004</b>	<b>4.1200e-003</b>	<b>1.7500e-003</b>	<b>3.0000e-005</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>4.7709</b>	<b>4.7709</b>	<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>4.7999</b>

**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	tons/yr										MT/yr					
Single Family Housing	89402.8	4.8000e-004	4.1200e-003	1.7500e-003	3.0000e-005		3.3000e-004	3.3000e-004		3.3000e-004	3.3000e-004	0.0000	4.7709	4.7709	9.0000e-005	9.0000e-005	4.7999
<b>Total</b>		<b>4.8000e-004</b>	<b>4.1200e-003</b>	<b>1.7500e-003</b>	<b>3.0000e-005</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>		<b>3.3000e-004</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>4.7709</b>	<b>4.7709</b>	<b>9.0000e-005</b>	<b>9.0000e-005</b>	<b>4.7999</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Single Family Housing	21884.3		6.2626	2.9000e-004	6.0000e-005	6.2871
<b>Total</b>			<b>6.2626</b>	<b>2.9000e-004</b>	<b>6.0000e-005</b>	<b>6.2871</b>

#### Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Single Family Housing	21884.3		6.2626	2.9000e-004	6.0000e-005	6.2871
<b>Total</b>			<b>6.2626</b>	<b>2.9000e-004</b>	<b>6.0000e-005</b>	<b>6.2871</b>

### 6.0 Area Detail

#### 6.1 Mitigation Measures Area

No Hearths Installed

	ROG	NOx	CO	SO2	Fugitive 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	0.0106	3.7000e-004	0.0314	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0505	0.0505	5.0000e-005	0.0000	0.0516
Unmitigated	0.0106	3.7000e-004	0.0314	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0505	0.0505	5.0000e-005	0.0000	0.0516

## 6.2 Area by SubCategory

### Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.6700e-003					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	9.9000e-004	3.7000e-004	0.0314	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0505	0.0505	5.0000e-005	0.0000	0.0516
<b>Total</b>	<b>0.0106</b>	<b>3.7000e-004</b>	<b>0.0314</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.0505</b>	<b>0.0505</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0516</b>

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	9.4000e-004					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	8.6700e-003					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	9.9000e-004	3.7000e-004	0.0314	0.0000		1.7000e-004	1.7000e-004		1.7000e-004	1.7000e-004	0.0000	0.0505	0.0505	5.0000e-005	0.0000	0.0516
<b>Total</b>	<b>0.0106</b>	<b>3.7000e-004</b>	<b>0.0314</b>	<b>0.0000</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>		<b>1.7000e-004</b>	<b>1.7000e-004</b>	<b>0.0000</b>	<b>0.0505</b>	<b>0.0505</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.0516</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

	Total CO2	CH4	N2O	CO2e	
Category	tons/yr	MT/yr			
Mitigated	1.1821	6.4200e-003	1.6000e-004	1.3668	
Unmitigated	1.1821	6.4200e-003	1.6000e-004	1.3669	

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Single Family Housing	0.195462 / 0.123226		1.1821	6.4200e-003	1.6000e-004	1.3669
<b>Total</b>			<b>1.1821</b>	<b>6.4200e-003</b>	<b>1.6000e-004</b>	<b>1.3669</b>

**Mitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Single Family Housing	0.195462 / 0.123226		1.1821	6.4200e-003	1.6000e-004	1.3668
<b>Total</b>			<b>1.1821</b>	<b>6.4200e-003</b>	<b>1.6000e-004</b>	<b>1.3668</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		0.3745	0.0221	0.0000	0.8393
Unmitigated		0.7490	0.0443	0.0000	1.6786

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Single Family Housing	3.69		0.7490	0.0443	0.0000	1.6786
<b>Total</b>			<b>0.7490</b>	<b>0.0443</b>	<b>0.0000</b>	<b>1.6786</b>

**Mitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Single Family Housing	1.845		0.3745	0.0221	0.0000	0.8393
<b>Total</b>			<b>0.3745</b>	<b>0.0221</b>	<b>0.0000</b>	<b>0.8393</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 Vegetation**

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		Total CO2	CH4	N2O	CO2e
Category	tons	MT			
Unmitigated		0.0000	0.0000	0.0000	0.0000

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final		Total CO2	CH4	N2O	CO2e
	Acres	tons	MT			
Others	0.6 / 0.6		0.0000	0.0000	0.0000	0.0000
<b>Total</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

**Baldwin Park PUD**  
**Los Angeles-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	0.83	Acre	0.83	36,154.80	0
Single Family Housing	15.00	Dwelling Unit	0.92	27,000.00	39

**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>	2017
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	630.89	<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 - This is a dense detached sf project on 0.92 acre.  
 Population assumed to be 39; U.S. Census average of 2.63 persons per household produces 39.45.  
 "parking" used for street infrastructure, sidewalks, etc.

Construction Phase - All durations are from the project developer.

Off-road Equipment -

Off-road Equipment - Information provided by applicant.

Off-road Equipment - Applicant specifies 3.

Off-road Equipment -

Off-road Equipment - Applicant specifies 3.

Demolition -

Grading -

Woodstoves - No woodstoves. No. of gas fireplaces per developer. Days/year assumes mild southern California/L.A. basin weather.

Water And Wastewater - No septic tanks would be installed for the project.

Land Use Change -

15 detached 2-story units, avg. footprint = 1248 sq. ft.  $(1248 \times 15)/43560 = 0.43$  acre for buildings. Assume 15 20' x 18' driveways.  $(20 \times 18 \times 15)/43560 = 0.12$  acre for driveways. Remaining area assumed landscaped:  $0.92 - 0.43 - 0.12 = 0.37$  acre.

Sequestration -

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Area Mitigation -

Energy Mitigation - Assume high-efficiency lighting per Title 24.

Water Mitigation -

Waste Mitigation -

Table Name	Column Name	Default Value	New Value
tblFireplaces	FireplaceWoodMass	1,019.20	0.00
tblFireplaces	NumberGas	12.75	5.00
tblFireplaces	NumberNoFireplace	1.50	5.00
tblFireplaces	NumberWood	0.75	0.00
tblGrading	MaterialImported	0.00	7,400.00
tblLandUse	LotAcreage	4.87	0.92
tblLandUse	Population	43.00	39.00
tblProjectCharacteristics	OperationalYear	2014	2017
tblSequestration	NumberOfNewTrees	0.00	60.00
tblWoodstoves	NumberCatalytic	0.75	0.00
tblWoodstoves	NumberNoncatalytic	0.75	0.00
tblWoodstoves	WoodstoveDayYear	25.00	0.00

tblWoodstoves	WoodstoveWoodMass	999.60	0.00
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## 2.0 Emissions Summary

### 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					
2017	0.8858	2.5191	2.0680	3.4200e-003	0.0558	0.1496	0.2054	0.0187	0.1434	0.1621	0.0000	289.5830	289.5830	0.0493	0.0000	290.6183
<b>Total</b>	<b>0.8858</b>	<b>2.5191</b>	<b>2.0680</b>	<b>3.4200e-003</b>	<b>0.0558</b>	<b>0.1496</b>	<b>0.2054</b>	<b>0.0187</b>	<b>0.1434</b>	<b>0.1621</b>	<b>0.0000</b>	<b>289.5830</b>	<b>289.5830</b>	<b>0.0493</b>	<b>0.0000</b>	<b>290.6183</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					
2017	0.8858	2.5191	2.0680	3.4200e-003	0.0463	0.1496	0.1959	0.0141	0.1434	0.1575	0.0000	289.5828	289.5828	0.0493	0.0000	290.6180
<b>Total</b>	<b>0.8858</b>	<b>2.5191</b>	<b>2.0680</b>	<b>3.4200e-003</b>	<b>0.0463</b>	<b>0.1496</b>	<b>0.1959</b>	<b>0.0141</b>	<b>0.1434</b>	<b>0.1575</b>	<b>0.0000</b>	<b>289.5828</b>	<b>289.5828</b>	<b>0.0493</b>	<b>0.0000</b>	<b>290.6180</b>



## 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	0.2857	1.8200e-003	0.1563	1.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	1.4534	1.4534	2.8000e-004	2.0000e-005	1.4660
Energy	2.4100e-003	0.0206	8.7600e-003	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	55.1671	55.1671	1.9000e-003	7.4000e-004	55.4348
Mobile	0.0939	0.2991	1.1277	2.7800e-003	0.1851	4.1400e-003	0.1893	0.0496	3.8100e-003	0.0534	0.0000	215.7499	215.7499	8.8000e-003	0.0000	215.9347
Waste						0.0000	0.0000		0.0000	0.0000	3.2458	0.0000	3.2458	0.1918	0.0000	7.2741
Water						0.0000	0.0000		0.0000	0.0000	0.3101	5.6005	5.9106	0.0321	8.1000e-004	6.8343
<b>Total</b>	<b>0.3819</b>	<b>0.3215</b>	<b>1.2927</b>	<b>2.9200e-003</b>	<b>0.1851</b>	<b>6.7400e-003</b>	<b>0.1919</b>	<b>0.0496</b>	<b>6.4100e-003</b>	<b>0.0560</b>	<b>3.5559</b>	<b>277.9709</b>	<b>281.5268</b>	<b>0.2349</b>	<b>1.5700e-003</b>	<b>286.9440</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	tons/yr										MT/yr					
Area	0.2857	1.8200e-003	0.1563	1.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	1.4534	1.4534	2.8000e-004	2.0000e-005	1.4660
Energy	2.4100e-003	0.0206	8.7600e-003	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	53.0953	53.0953	1.8000e-003	7.2000e-004	53.3549
Mobile	0.0938	0.2988	1.1267	2.7800e-003	0.1849	4.1300e-003	0.1890	0.0495	3.8000e-003	0.0533	0.0000	215.5029	215.5029	8.7900e-003	0.0000	215.6875
Waste						0.0000	0.0000		0.0000	0.0000	1.6229	0.0000	1.6229	0.0959	0.0000	3.6371
Water						0.0000	0.0000		0.0000	0.0000	0.2480	4.7527	5.0007	0.0257	6.5000e-004	5.7404
<b>Total</b>	<b>0.3819</b>	<b>0.3212</b>	<b>1.2917</b>	<b>2.9200e-003</b>	<b>0.1849</b>	<b>6.7300e-003</b>	<b>0.1916</b>	<b>0.0495</b>	<b>6.4000e-003</b>	<b>0.0559</b>	<b>1.8710</b>	<b>274.8043</b>	<b>276.6753</b>	<b>0.1325</b>	<b>1.3900e-003</b>	<b>279.8860</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	0.01	0.09	0.08	0.00	0.12	0.15	0.11	0.12	0.16	0.11	47.38	1.14	1.72	43.61	11.46	2.46

### 2.3 Vegetation

#### Vegetation

		CO2e
Category	tons	MT
New Trees		42.4800
Vegetation Land Change		0.0000
<b>Total</b>		<b>42.4800</b>

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2017	1/27/2017	5	20	
2	Site Preparation	Site Preparation	1/28/2017	1/31/2017	5	2	
3	Grading	Grading	2/1/2017	2/6/2017	5	4	
4	Building Construction	Building Construction	2/7/2017	11/13/2017	5	200	
5	Paving	Paving	11/14/2017	11/27/2017	5	10	

6	Architectural Coating	Architectural Coating	11/28/2017	12/11/2017	5	10
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**Acres of Grading (Site Preparation Phase): 1**

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

**Acres of Paving: 0**

**Residential Indoor: 54,675; Residential Outdoor: 18,225; Non-Residential Indoor: 54,232; Non-Residential Outdoor: 18,077 (Architectural Coating – sqft)**

**OffRoad Equipment**

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Rubber Tired Dozers	1	8.00	255	0.40
Demolition	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Site Preparation	Graders	1	8.00	174	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	255	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Grading	Graders	1	6.00	174	0.41
Grading	Rubber Tired Dozers	1	6.00	255	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Building Construction	Cranes	1	6.00	226	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	125	0.42

Paving	Paving Equipment	1	8.00	130	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**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	5	13.00	0.00	11.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	925.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	7	21.00	8.00	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	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Replace Ground Cover

Water Exposed Area

**3.2 Demolition - 2017**

**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					1.1800e-003	0.0000	1.1800e-003	1.8000e-004	0.0000	1.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4126
<b>Total</b>	<b>0.0272</b>	<b>0.2659</b>	<b>0.2087</b>	<b>2.4000e-004</b>	<b>1.1800e-003</b>	<b>0.0161</b>	<b>0.0172</b>	<b>1.8000e-004</b>	<b>0.0150</b>	<b>0.0152</b>	<b>0.0000</b>	<b>22.2938</b>	<b>22.2938</b>	<b>5.6600e-003</b>	<b>0.0000</b>	<b>22.4126</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	1.4900e-003	1.1900e-003	0.0000	9.0000e-005	2.0000e-005	1.2000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.3691	0.3691	0.0000	0.0000	0.3692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
<b>Total</b>	<b>6.0000e-004</b>	<b>2.2400e-003</b>	<b>9.0000e-003</b>	<b>2.0000e-005</b>	<b>1.5100e-003</b>	<b>3.0000e-005</b>	<b>1.5600e-003</b>	<b>4.1000e-004</b>	<b>3.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.7071</b>	<b>1.7071</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.7087</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.3000e-004	0.0000	5.3000e-004	8.0000e-005	0.0000	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0272	0.2659	0.2087	2.4000e-004		0.0161	0.0161		0.0150	0.0150	0.0000	22.2938	22.2938	5.6600e-003	0.0000	22.4125
<b>Total</b>	<b>0.0272</b>	<b>0.2659</b>	<b>0.2087</b>	<b>2.4000e-004</b>	<b>5.3000e-004</b>	<b>0.0161</b>	<b>0.0166</b>	<b>8.0000e-005</b>	<b>0.0150</b>	<b>0.0151</b>	<b>0.0000</b>	<b>22.2938</b>	<b>22.2938</b>	<b>5.6600e-003</b>	<b>0.0000</b>	<b>22.4125</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	9.0000e-005	1.4900e-003	1.1900e-003	0.0000	9.0000e-005	2.0000e-005	1.2000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	0.3691	0.3691	0.0000	0.0000	0.3692
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.1000e-004	7.5000e-004	7.8100e-003	2.0000e-005	1.4200e-003	1.0000e-005	1.4400e-003	3.8000e-004	1.0000e-005	3.9000e-004	0.0000	1.3380	1.3380	7.0000e-005	0.0000	1.3395
<b>Total</b>	<b>6.0000e-004</b>	<b>2.2400e-003</b>	<b>9.0000e-003</b>	<b>2.0000e-005</b>	<b>1.5100e-003</b>	<b>3.0000e-005</b>	<b>1.5600e-003</b>	<b>4.1000e-004</b>	<b>3.0000e-005</b>	<b>4.4000e-004</b>	<b>0.0000</b>	<b>1.7071</b>	<b>1.7071</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>1.7087</b>

**3.3 Site Preparation - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3100e-003	0.0242	0.0159	2.0000e-005		1.3100e-003	1.3100e-003		1.2000e-003	1.2000e-003	0.0000	1.5895	1.5895	4.9000e-004	0.0000	1.5997
<b>Total</b>	<b>2.3100e-003</b>	<b>0.0242</b>	<b>0.0159</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>1.3100e-003</b>	<b>7.1100e-003</b>	<b>2.9500e-003</b>	<b>1.2000e-003</b>	<b>4.1500e-003</b>	<b>0.0000</b>	<b>1.5895</b>	<b>1.5895</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5997</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.0000e-005	5.0000e-005	4.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0823	0.0823	0.0000	0.0000	0.0824
<b>Total</b>	<b>3.0000e-005</b>	<b>5.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0823</b>	<b>0.0823</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0824</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.6100e-003	0.0000	2.6100e-003	1.3300e-003	0.0000	1.3300e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.3100e-003	0.0242	0.0159	2.0000e-005		1.3100e-003	1.3100e-003		1.2000e-003	1.2000e-003	0.0000	1.5895	1.5895	4.9000e-004	0.0000	1.5997
<b>Total</b>	<b>2.3100e-003</b>	<b>0.0242</b>	<b>0.0159</b>	<b>2.0000e-005</b>	<b>2.6100e-003</b>	<b>1.3100e-003</b>	<b>3.9200e-003</b>	<b>1.3300e-003</b>	<b>1.2000e-003</b>	<b>2.5300e-003</b>	<b>0.0000</b>	<b>1.5895</b>	<b>1.5895</b>	<b>4.9000e-004</b>	<b>0.0000</b>	<b>1.5997</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	3.0000e-005	5.0000e-005	4.8000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0823	0.0823	0.0000	0.0000	0.0824
<b>Total</b>	<b>3.0000e-005</b>	<b>5.0000e-005</b>	<b>4.8000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0823</b>	<b>0.0823</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0824</b>

### 3.4 Grading - 2017

#### 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					0.0103	0.0000	0.0103	5.1100e-003	0.0000	5.1100e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7700e-003	0.0396	0.0264	3.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	2.6112	2.6112	8.0000e-004	0.0000	2.6280
<b>Total</b>	<b>3.7700e-003</b>	<b>0.0396</b>	<b>0.0264</b>	<b>3.0000e-005</b>	<b>0.0103</b>	<b>2.1300e-003</b>	<b>0.0124</b>	<b>5.1100e-003</b>	<b>1.9600e-003</b>	<b>7.0700e-003</b>	<b>0.0000</b>	<b>2.6112</b>	<b>2.6112</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.6280</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9800e-003	0.1255	0.0997	3.4000e-004	7.9200e-003	1.7600e-003	9.6700e-003	2.1700e-003	1.6100e-003	3.7900e-003	0.0000	31.0372	31.0372	2.3000e-004	0.0000	31.0420
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1647	0.1647	1.0000e-005	0.0000	0.1649
<b>Total</b>	<b>8.0400e-003</b>	<b>0.1255</b>	<b>0.1007</b>	<b>3.4000e-004</b>	<b>8.1000e-003</b>	<b>1.7600e-003</b>	<b>9.8500e-003</b>	<b>2.2200e-003</b>	<b>1.6100e-003</b>	<b>3.8400e-003</b>	<b>0.0000</b>	<b>31.2018</b>	<b>31.2018</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>31.2068</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					4.6100e-003	0.0000	4.6100e-003	2.3000e-003	0.0000	2.3000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.7700e-003	0.0396	0.0264	3.0000e-005		2.1300e-003	2.1300e-003		1.9600e-003	1.9600e-003	0.0000	2.6112	2.6112	8.0000e-004	0.0000	2.6280
<b>Total</b>	<b>3.7700e-003</b>	<b>0.0396</b>	<b>0.0264</b>	<b>3.0000e-005</b>	<b>4.6100e-003</b>	<b>2.1300e-003</b>	<b>6.7400e-003</b>	<b>2.3000e-003</b>	<b>1.9600e-003</b>	<b>4.2600e-003</b>	<b>0.0000</b>	<b>2.6112</b>	<b>2.6112</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.6280</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	7.9800e-003	0.1255	0.0997	3.4000e-004	7.9200e-003	1.7600e-003	9.6700e-003	2.1700e-003	1.6100e-003	3.7900e-003	0.0000	31.0372	31.0372	2.3000e-004	0.0000	31.0420
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	9.0000e-005	9.6000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1647	0.1647	1.0000e-005	0.0000	0.1649
<b>Total</b>	<b>8.0400e-003</b>	<b>0.1255</b>	<b>0.1007</b>	<b>3.4000e-004</b>	<b>8.1000e-003</b>	<b>1.7600e-003</b>	<b>9.8500e-003</b>	<b>2.2200e-003</b>	<b>1.6100e-003</b>	<b>3.8400e-003</b>	<b>0.0000</b>	<b>31.2018</b>	<b>31.2018</b>	<b>2.4000e-004</b>	<b>0.0000</b>	<b>31.2068</b>

### 3.5 Building Construction - 2017

#### 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	0.2955	1.9109	1.4311	2.2000e-003		0.1226	0.1226		0.1182	0.1182	0.0000	184.5473	184.5473	0.0387	0.0000	185.3605
<b>Total</b>	<b>0.2955</b>	<b>1.9109</b>	<b>1.4311</b>	<b>2.2000e-003</b>		<b>0.1226</b>	<b>0.1226</b>		<b>0.1182</b>	<b>0.1182</b>	<b>0.0000</b>	<b>184.5473</b>	<b>184.5473</b>	<b>0.0387</b>	<b>0.0000</b>	<b>185.3605</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.5600e-003	0.0667	0.0900	1.8000e-004	4.9100e-003	9.8000e-004	5.8900e-003	1.4000e-003	9.0000e-004	2.3000e-003	0.0000	15.6723	15.6723	1.1000e-004	0.0000	15.6747
Worker	8.2200e-003	0.0121	0.1262	2.9000e-004	0.0230	2.1000e-004	0.0232	6.1100e-003	2.0000e-004	6.3100e-003	0.0000	21.6134	21.6134	1.1800e-003	0.0000	21.6381
<b>Total</b>	<b>0.0148</b>	<b>0.0788</b>	<b>0.2161</b>	<b>4.7000e-004</b>	<b>0.0279</b>	<b>1.1900e-003</b>	<b>0.0291</b>	<b>7.5100e-003</b>	<b>1.1000e-003</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>37.2856</b>	<b>37.2856</b>	<b>1.2900e-003</b>	<b>0.0000</b>	<b>37.3128</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	0.2955	1.9109	1.4311	2.2000e-003		0.1226	0.1226		0.1182	0.1182	0.0000	184.5471	184.5471	0.0387	0.0000	185.3603
<b>Total</b>	<b>0.2955</b>	<b>1.9109</b>	<b>1.4311</b>	<b>2.2000e-003</b>		<b>0.1226</b>	<b>0.1226</b>		<b>0.1182</b>	<b>0.1182</b>	<b>0.0000</b>	<b>184.5471</b>	<b>184.5471</b>	<b>0.0387</b>	<b>0.0000</b>	<b>185.3603</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	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	6.5600e-003	0.0667	0.0900	1.8000e-004	4.9100e-003	9.8000e-004	5.8900e-003	1.4000e-003	9.0000e-004	2.3000e-003	0.0000	15.6723	15.6723	1.1000e-004	0.0000	15.6747
Worker	8.2200e-003	0.0121	0.1262	2.9000e-004	0.0230	2.1000e-004	0.0232	6.1100e-003	2.0000e-004	6.3100e-003	0.0000	21.6134	21.6134	1.1800e-003	0.0000	21.6381
<b>Total</b>	<b>0.0148</b>	<b>0.0788</b>	<b>0.2161</b>	<b>4.7000e-004</b>	<b>0.0279</b>	<b>1.1900e-003</b>	<b>0.0291</b>	<b>7.5100e-003</b>	<b>1.1000e-003</b>	<b>8.6100e-003</b>	<b>0.0000</b>	<b>37.2856</b>	<b>37.2856</b>	<b>1.2900e-003</b>	<b>0.0000</b>	<b>37.3128</b>

**3.6 Paving - 2017****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	5.9300e-003	0.0605	0.0452	7.0000e-005		3.6700e-003	3.6700e-003		3.3800e-003	3.3800e-003	0.0000	6.1129	6.1129	1.8400e-003	0.0000	6.1515
Paving	1.0900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.0200e-003</b>	<b>0.0605</b>	<b>0.0452</b>	<b>7.0000e-005</b>		<b>3.6700e-003</b>	<b>3.6700e-003</b>		<b>3.3800e-003</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>6.1129</b>	<b>6.1129</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>6.1515</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	3.8000e-004	3.9100e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6690	0.6690	4.0000e-005	0.0000	0.6698
<b>Total</b>	<b>2.5000e-004</b>	<b>3.8000e-004</b>	<b>3.9100e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6690</b>	<b>0.6690</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6698</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	5.9300e-003	0.0605	0.0452	7.0000e-005		3.6700e-003	3.6700e-003		3.3800e-003	3.3800e-003	0.0000	6.1129	6.1129	1.8400e-003	0.0000	6.1515
Paving	1.0900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>7.0200e-003</b>	<b>0.0605</b>	<b>0.0452</b>	<b>7.0000e-005</b>		<b>3.6700e-003</b>	<b>3.6700e-003</b>		<b>3.3800e-003</b>	<b>3.3800e-003</b>	<b>0.0000</b>	<b>6.1129</b>	<b>6.1129</b>	<b>1.8400e-003</b>	<b>0.0000</b>	<b>6.1515</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e-004	3.8000e-004	3.9100e-003	1.0000e-005	7.1000e-004	1.0000e-005	7.2000e-004	1.9000e-004	1.0000e-005	2.0000e-004	0.0000	0.6690	0.6690	4.0000e-005	0.0000	0.6698
<b>Total</b>	<b>2.5000e-004</b>	<b>3.8000e-004</b>	<b>3.9100e-003</b>	<b>1.0000e-005</b>	<b>7.1000e-004</b>	<b>1.0000e-005</b>	<b>7.2000e-004</b>	<b>1.9000e-004</b>	<b>1.0000e-005</b>	<b>2.0000e-004</b>	<b>0.0000</b>	<b>0.6690</b>	<b>0.6690</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.6698</b>

### 3.7 Architectural Coating - 2017

#### 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	0.5245					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6600e-003	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795
<b>Total</b>	<b>0.5262</b>	<b>0.0109</b>	<b>9.3400e-003</b>	<b>1.0000e-005</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.2795</b>

#### Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.2000e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2058	0.2058	1.0000e-005	0.0000	0.2061
<b>Total</b>	<b>8.0000e-005</b>	<b>1.2000e-004</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.2058</b>	<b>0.2058</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2061</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	0.5245					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.6600e-003	0.0109	9.3400e-003	1.0000e-005		8.7000e-004	8.7000e-004		8.7000e-004	8.7000e-004	0.0000	1.2766	1.2766	1.3000e-004	0.0000	1.2795
<b>Total</b>	<b>0.5262</b>	<b>0.0109</b>	<b>9.3400e-003</b>	<b>1.0000e-005</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>		<b>8.7000e-004</b>	<b>8.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>1.3000e-004</b>	<b>0.0000</b>	<b>1.2795</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	1.2000e-004	1.2000e-003	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.2058	0.2058	1.0000e-005	0.0000	0.2061
<b>Total</b>	<b>8.0000e-005</b>	<b>1.2000e-004</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.2058</b>	<b>0.2058</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.2061</b>

### 4.0 Operational Detail - Mobile

#### 4.1 Mitigation Measures Mobile

Increase Density

Integrate Below Market Rate Housing

	ROG	NOx	CO	SO2	Fugitive 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	0.0938	0.2988	1.1267	2.7800e-003	0.1849	4.1300e-003	0.1890	0.0495	3.8000e-003	0.0533	0.0000	215.5029	215.5029	8.7900e-003	0.0000	215.6875
Unmitigated	0.0939	0.2991	1.1277	2.7800e-003	0.1851	4.1400e-003	0.1893	0.0496	3.8100e-003	0.0534	0.0000	215.7499	215.7499	8.8000e-003	0.0000	215.9347

#### 4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	143.55	151.20	131.55	488,409	487,836
<b>Total</b>	<b>143.55</b>	<b>151.20</b>	<b>131.55</b>	<b>488,409</b>	<b>487,836</b>

#### 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
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
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LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
0.532559	0.058242	0.178229	0.125155	0.038934	0.006273	0.016761	0.032323	0.002478	0.003154	0.003685	0.000544	0.001663

### 5.0 Energy Detail

#### 4.4 Fleet Mix

Historical Energy Use: N

#### 5.1 Mitigation Measures Energy

Install High Efficiency Lighting

	ROG	NOx	CO	SO2	Fugitive 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	29.2410	29.2410	1.3400e-003	2.8000e-004	29.3554
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	31.3127	31.3127	1.4400e-003	3.0000e-004	31.4353
NaturalGas Mitigated	2.4100e-003	0.0206	8.7600e-003	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8544	23.8544	4.6000e-004	4.4000e-004	23.9996
NaturalGas Unmitigated	2.4100e-003	0.0206	8.7600e-003	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8544	23.8544	4.6000e-004	4.4000e-004	23.9996

## 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					
Single Family Housing	447014	2.4100e-003	0.0206	8.7600e-003	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8544	23.8544	4.6000e-004	4.4000e-004	23.9996
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.4100e-003</b>	<b>0.0206</b>	<b>8.7600e-003</b>	<b>1.3000e-004</b>		<b>1.6700e-003</b>	<b>1.6700e-003</b>		<b>1.6700e-003</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>23.8544</b>	<b>23.8544</b>	<b>4.6000e-004</b>	<b>4.4000e-004</b>	<b>23.9996</b>

### Mitigated

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Single Family Housing	447014	2.4100e-003	0.0206	8.7600e-003	1.3000e-004		1.6700e-003	1.6700e-003		1.6700e-003	1.6700e-003	0.0000	23.8544	23.8544	4.6000e-004	4.4000e-004	23.9996
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>2.4100e-003</b>	<b>0.0206</b>	<b>8.7600e-003</b>	<b>1.3000e-004</b>		<b>1.6700e-003</b>	<b>1.6700e-003</b>		<b>1.6700e-003</b>	<b>1.6700e-003</b>	<b>0.0000</b>	<b>23.8544</b>	<b>23.8544</b>	<b>4.6000e-004</b>	<b>4.4000e-004</b>	<b>23.9996</b>

### 5.3 Energy by Land Use - Electricity

#### Unmitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	109421		31.3127	1.4400e-003	3.0000e-004	31.4353
<b>Total</b>			<b>31.3127</b>	<b>1.4400e-003</b>	<b>3.0000e-004</b>	<b>31.4353</b>

#### Mitigated

	Electricity Use		Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	tons/yr	MT/yr			
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	102181		29.2410	1.3400e-003	2.8000e-004	29.3554
<b>Total</b>			<b>29.2410</b>	<b>1.3400e-003</b>	<b>2.8000e-004</b>	<b>29.3554</b>

## 6.0 Area Detail

### 6.1 Mitigation Measures Area

Use Low VOC Paint - Residential Interior

Use Low VOC Paint - Residential Exterior

Use only Natural Gas Hearths

	ROG	NOx	CO	SO2	Fugitive 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	0.2857	1.8200e-003	0.1563	1.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	1.4534	1.4534	2.8000e-004	2.0000e-005	1.4660
Unmitigated	0.2857	1.8200e-003	0.1563	1.0000e-005		9.3000e-004	9.3000e-004		9.3000e-004	9.3000e-004	0.0000	1.4534	1.4534	2.8000e-004	2.0000e-005	1.4660

## 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	0.0525					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2000e-004	0.0000	1.0000e-005	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.2007	1.2007	2.0000e-005	2.0000e-005	1.2080
Landscaping	4.8700e-003	1.8200e-003	0.1563	1.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	0.2527	0.2527	2.5000e-004	0.0000	0.2580
<b>Total</b>	<b>0.2857</b>	<b>1.8200e-003</b>	<b>0.1563</b>	<b>1.0000e-005</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>1.4534</b>	<b>1.4534</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>1.4660</b>

**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	0.0525					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.2282					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	1.2000e-004	0.0000	1.0000e-005	0.0000		8.0000e-005	8.0000e-005		8.0000e-005	8.0000e-005	0.0000	1.2007	1.2007	2.0000e-005	2.0000e-005	1.2080
Landscaping	4.8700e-003	1.8200e-003	0.1563	1.0000e-005		8.5000e-004	8.5000e-004		8.5000e-004	8.5000e-004	0.0000	0.2527	0.2527	2.5000e-004	0.0000	0.2580
<b>Total</b>	<b>0.2857</b>	<b>1.8200e-003</b>	<b>0.1563</b>	<b>1.0000e-005</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>		<b>9.3000e-004</b>	<b>9.3000e-004</b>	<b>0.0000</b>	<b>1.4534</b>	<b>1.4534</b>	<b>2.7000e-004</b>	<b>2.0000e-005</b>	<b>1.4660</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

- Install Low Flow Bathroom Faucet
- Install Low Flow Kitchen Faucet
- Install Low Flow Toilet
- Install Low Flow Shower
- Use Water Efficient Irrigation System
- Use Water Efficient Landscaping

		Total	CH4	N2O	CO2e
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		CO2			
Category	tons/yr	MT/yr			
Mitigated		5.0007	0.0257	6.5000e-004	5.7404
Unmitigated		5.9106	0.0321	8.1000e-004	6.8343

## 7.2 Water by Land Use

### Unmitigated

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Other Asphalt Surfaces	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.97731 / 0.61613		5.9106	0.0321	8.1000e-004	6.8343
<b>Total</b>			<b>5.9106</b>	<b>0.0321</b>	<b>8.1000e-004</b>	<b>6.8343</b>

**Mitigated**

	Indoor/Outdoor Use		Total CO2	CH4	N2O	CO2e
Land Use	Mgal	tons/yr	MT/yr			
Other Asphalt Surface	0 / 0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	0.781848 / 0.578547		5.0007	0.0257	6.5000e-004	5.7404
<b>Total</b>			<b>5.0007</b>	<b>0.0257</b>	<b>6.5000e-004</b>	<b>5.7404</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Institute Recycling and Composting Services

**Category/Year**

		Total CO2	CH4	N2O	CO2e
	tons/yr	MT/yr			
Mitigated		1.6229	0.0959	0.0000	3.6371
Unmitigated		3.2458	0.1918	0.0000	7.2741

## 8.2 Waste by Land Use

### Unmitigated

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	15.99		3.2458	0.1918	0.0000	7.2741
<b>Total</b>			<b>3.2458</b>	<b>0.1918</b>	<b>0.0000</b>	<b>7.2741</b>

**Mitigated**

	Waste Disposed		Total CO2	CH4	N2O	CO2e
Land Use	tons	tons/yr	MT/yr			
Other Asphalt Surfaces	0		0.0000	0.0000	0.0000	0.0000
Single Family Housing	7.995		1.6229	0.0959	0.0000	3.6371
<b>Total</b>			<b>1.6229</b>	<b>0.0959</b>	<b>0.0000</b>	<b>3.6371</b>

**9.0 Operational Offroad**

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

**10.0 Vegetation**

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		Total CO2	CH4	N2O	CO2e
Category	tons	MT			
Unmitigated		42.4800	0.0000	0.0000	42.4800

### 10.1 Vegetation Land Change

#### Vegetation Type

	Initial/Final		Total CO2	CH4	N2O	CO2e
	Acres	tons	MT			
Others	0.86 / 0.37		0.0000	0.0000	0.0000	0.0000
<b>Total</b>			<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>

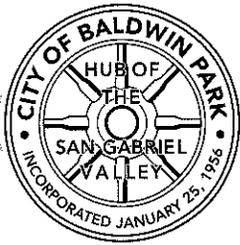
### 10.2 Net New Trees

#### Species Class

	Number of Trees		Total CO2	CH4	N2O	CO2e
		tons	MT			
Miscellaneous	60		42.4800	0.0000	0.0000	42.4800
<b>Total</b>			<b>42.4800</b>	<b>0.0000</b>	<b>0.0000</b>	<b>42.4800</b>

# Appendix B

## Native American Consultation



May 23, 2016

Willdan Group  
Attn: Salvador Lopez  
13191 Crossroads Parkway South, Suite #405  
Industry, CA 91746

**Subject:** Assembly Bill 52 Consultation for the DC Corp Project; 15-single-family detached dwelling units, including 1 affordable unit, Baldwin Park, County of Los Angeles, California

The City of Baldwin Park (City) sent letters detailing the proposed DC Corp Project (Project) and providing information as to how the Native American contacts to whom the letters were sent could initiate consultation. The letters were sent in compliance with Chapter 532, Statutes of 2014 (i.e. Assembly Bill [AB] 52) and Public Resources Code [PRC] 21080.3.1. The results of the notification process are summarized below.

## **METHODS**

A Sacred Lands File Search (SLF) was requested from the Native American Heritage Commission (NAHC) on March 23, 2016. The NAHC responded in a letter dated March 29, 2016, that stated that the results of the SLF were negative. The NAHC's response also provided a list of Native American contacts for the purposes of AB 52 consultation:

- Gabrieleno/Tongva San Gabriel Band of Mission Indians, Anthony Morales, Chairperson
- Gabrielino/Tongva Nation, Sandonne Goad, Chairperson
- Gabrielino Tongva Indians of California Tribal Council, Robert F. Dorame, Tribal Chair/Cultural Resources
- Gabrielino-Tongva Tribe, Linda Candelaria, Co-Chairperson
- Gabrieleno Band of Mission Indians – Kizh Nation, Andrew Salas, Chairperson
- Soboba Band of Luiseño Indians, Rosemary Morillo, Chairperson

On April 5, 2016, the City of Baldwin Park sent letters to all of the Native American contacts listed above. The letters described the Project and included a map of the

Project area. The letters also stated that the recipient has 30 days upon receipt of the letter to enter into consultation for the proposed Project per AB 52, and provided a City contact.

## RESULTS

The City of Baldwin Park received one response. On May 5, 2016, the City received a letter from one of the above mentioned Native American contacts expressing no specific concerns. Any further details on the content of the letter are subject to strict confidentiality between the City and that contact.

No additional responses were received within the 30-day period. Attached are letters used to notify the Native American contacts. The first letter attached is in complete form, which includes a location map, a local map, and an aerial photograph. The remaining five letters attached were also sent with the same maps, but are attached with only the first two pages of the letter to avoid redundancy.

Sincerely,

COMMUNITY DEVELOPMENT & HOUSING DEPARTMENT



Abraham Tellez  
Associate Planner  
Planning Division

Attachments:

1. NAHC Sacred Lands File Request
2. NAHC Response
3. NAHC Email Correspondence
4. Native American Consultation Letters



March 23, 2016

Rob Wood  
Associate Environmental Planner  
Native American Heritage Commission  
1550 Harbor Blvd. Suite #100  
Sacramento, CA 95691

RE: AB 52 Consultation and Sacred Lands File Search for (1) 47 Single-Family Detached Dwelling Unit Project (Pacific Avenue) **AND** (2) 15 Single-Family Detached Dwelling Unit Project (Fortin Street), City of Baldwin Park, Los Angeles County, California.

Dear Mr. Wood:

Attached please find two maps showing the location of the two Projects noted above, (#1) a 47 dwelling unit project and (#2) a 15 dwelling unit project in the City of Baldwin Park (CITY), Los Angeles County.

**Project #1** is located at 14827-14839 Pacific Avenue between Puente Avenue and Big Dalton Avenue; Los Angeles County Assessor's Parcel Numbers: 8438-015-037, 043, 047 and 059.

**Project #2** includes the addresses 4923-4929 Fortin Street and 15138 Nubia Street; Los Angeles County Assessor's Parcel Numbers: 8413-013-028, 032, 033, and 025.

There will be ground disturbance associated with each of these projects. Per Assembly Bill 52 and the California environmental Quality Act, specifically Public Resources Code 21080.3.1 and Chapter 532 Statutes of 2014 (i.e. AB 52), the City of Baldwin Park is requesting a Sacred Lands File search for the project areas. Please notify me at the information listed below of any Native American cultural resources that might be impacted.

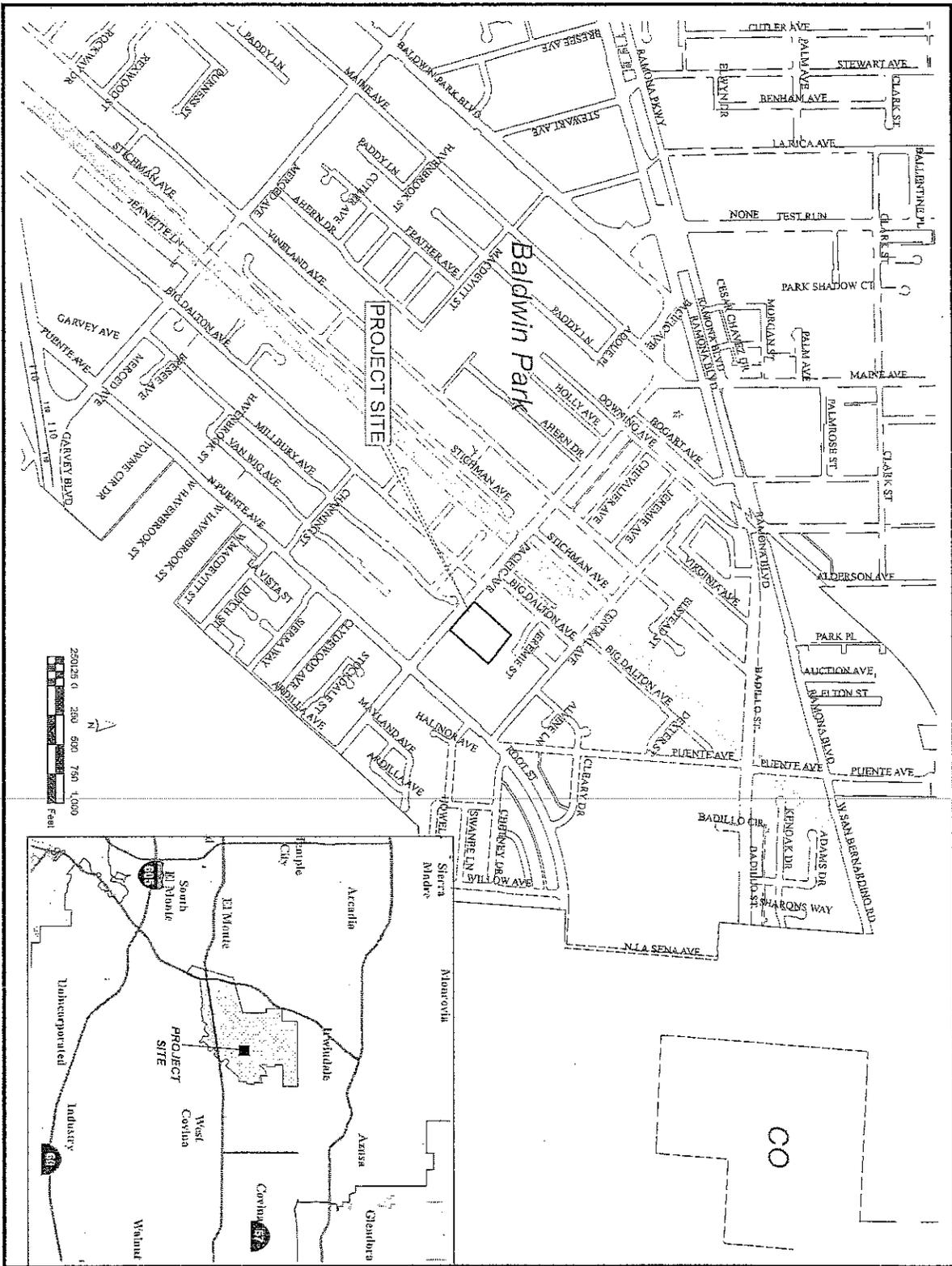
Thank you very much for your assistance. If you have any questions, please contact me at (626) 960-4011, extension 475 or by email at [Aharbin@baldwinpark.com](mailto:Aharbin@baldwinpark.com).

Sincerely,

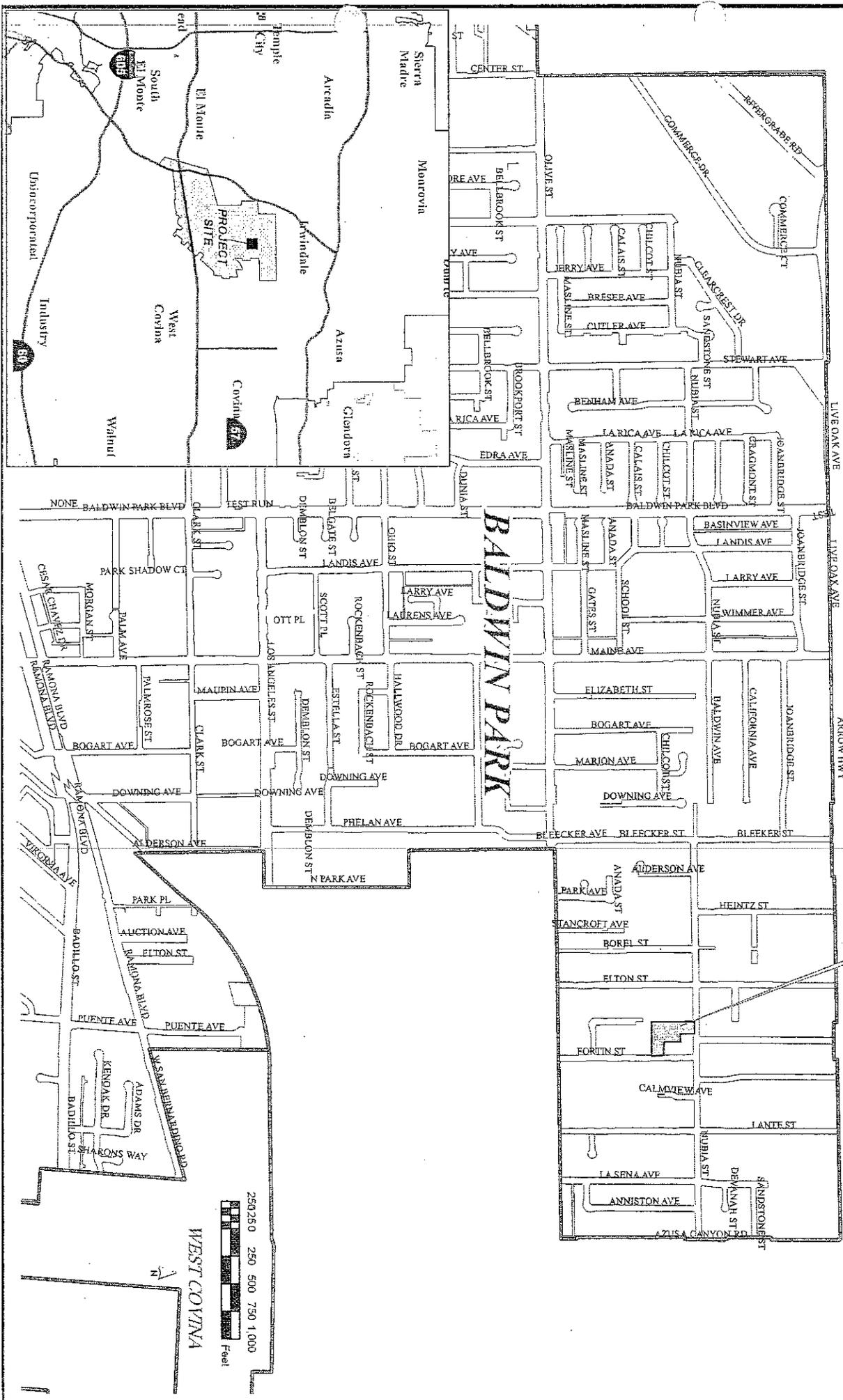
COMMUNITY DEVELOPMENT DEPARTMENT

  
Amy L. Harbin, AICP  
City Planner  
Planning Division

Attachments



Project #1



IRVINDALE

Project Site

Project #2

**NATIVE AMERICAN HERITAGE COMMISSION**

1550 Harbor Blvd., Suite 100  
West Sacramento, CA 95691  
(916) 373-3710  
(916) 373-5471 FAX



March 29, 2016

Amy L. Harbin  
City of Baldwin Park

Sent via e-mail: Aharbin@baldwinpark.com  
Number of Pages: 3

RE: The Proposed Pacific Avenue 47 Single-Family Detached Dwellings and Fortin Street 15 Single-Family Detached Dwelling Unit Projects, City of Baldwin Park, Baldwin Park USGS Quadrangle, Los Angeles County, California

Dear Ms. Harbin:

Attached is a consultation list of tribes with traditional lands or cultural places located within the boundaries of the above referenced counties. Please note that the intent above reference codes is to mitigate impacts to tribal cultural resources, as defined, for California Environmental Quality Act (CEQA) projects.

As of July 1, 2015, Public Resources Code Sections 21080.3.1 and 21080.3.2 require public agencies to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose mitigating impacts to tribal cultural resources:

Within 14 days of determining that an application for a project is complete or a decision by a public agency to undertake a project, the lead agency shall provide formal notification to the designated contact of, or a tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, which shall be accomplished by means of at least one written notification that includes a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation pursuant to this section. (Public Resources Code Section 21080.3.1(d))

The law does not preclude agencies from initiating consultation with the tribes that are culturally and traditionally affiliated with their jurisdictions. The NAHC believes that in fact that this is the best practice to ensure that tribes are consulted commensurate with the intent of the law.

In accordance with Public Resources Code Section 21080.3.1(d), formal notification must include a brief description of the proposed project and its location, the lead agency contact information, and a notification that the California Native American tribe has 30 days to request consultation. The NAHC believes that agencies should also include with their notification letters information regarding any cultural resources assessment that has been completed on the APE, such as:

1. The results of any record search that may have been conducted at an Information Center of the California Historical Resources Information System (CHRIS), including, but not limited to:
  - A listing of any and all known cultural resources have already been recorded on or adjacent to the APE;
  - Copies of any and all cultural resource records and study reports that may have been provided by the Information Center as part of the records search response;
  - If the probability is low, moderate, or high that cultural resources are located in the APE.
  - Whether the records search indicates a low, moderate or high probability that unrecorded cultural resources are located in the potential APE; and

- If a survey is recommended by the Information Center to determine whether previously unrecorded cultural resources are present.
2. The results of any archaeological inventory survey that was conducted, including:
    - Any report that may contain site forms, site significance, and suggested mitigation measures.

All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum, and not be made available for public disclosure in accordance with Government Code Section 6254.10.
  3. The results of any Sacred Lands File (SFL) check conducted through Native American Heritage Commission. A search of the SFL was completed for the USGS quadrangle information provided with negative results.
  4. Any ethnographic studies conducted for any area including all or part of the potential APE; and
  5. Any geotechnical reports regarding all or part of the potential APE.

Lead agencies should be aware that records maintained by the NAHC and CHRIS is not exhaustive, and a negative response to these searches does not preclude the existence of a cultural place. A tribe may be the only source of information regarding the existence of a tribal cultural resource.

This information will aid tribes in determining whether to request formal consultation. In the case that they do, having the information beforehand will help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify me. With your assistance we are able to assure that our consultation list contains current information.

If you have any questions, please contact me at my email address: [gayle.totton@nahc.ca.gov](mailto:gayle.totton@nahc.ca.gov).

Sincerely,



Gayle Totton, M.A., PhD.  
Associate Governmental Program Analyst

Native American Heritage Commission  
Tribal Consultation List  
Los Angeles County  
March 29, 2016

Gabrieleno/Tongva San Gabriel Band of Mission Indians  
Anthony Morales, Chairperson ✓  
P.O. Box 693  
San Gabriel , CA 91778  
GTTribalcouncil@aol.com  
(626) 483-3564 Cell

Gabrielino Tongva

Soboba Band of Luiseno Indians  
Rosemary Morillo, Chairperson ✓  
P. O. Box 487  
San Jacinto , CA 92583  
rmorillo@soboba-nsn.gov  
(951) 654-2765

Luiseno  
Cahuilla

Gabrielino /Tongva Nation ✓  
Sandonne Goad, Chairperson  
106 1/2 Judge John Aiso St., #231  
Los Angeles , CA 90012  
sgoad@gabrielino-tongva.com  
(951) 807-0479

Gabrielino Tongva

Gabrielino Tongva Indians of California Tribal Council  
Robert F. Dorame, Tribal Chair/Cultural Resources  
P.O. Box 490  
Bellflower , CA 90707  
gtongva@verizon.net  
(562) 761-6417 Voice/Fax

Gabrielino Tongva ✓

Gabrielino-Tongva Tribe ✓  
Linda Candelaria, Co-Chairperson  
1999 Avenue of the Stars, Suite 1100  
Los Angeles , CA 90067

Gabrielino

(626) 676-1184 Cell

Gabrieleno Band of Mission Indians - Kizh Nation ✓  
Andrew Salas, Chairperson  
P.O. Box 393  
Covina , CA 91723  
gabrielenoindians@yahoo.com  
(626) 926-4131

Gabrielino

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list applicable only for consultation with Native American tribes under Public Resources Code Sections 21080.3.1 for the proposed Pacific Avenue 47 Single-Family Detached Dwelling Unit and Fortin Street 15 Single-Family Detached Dwelling Unit Projects, City of Baldwin Park, Los Angeles County, California.

## Amy Harbin

---

**From:** Totton, Gayle@NAHC <Gayle.Totton@NAHC.CA.GOV>  
**Sent:** Tuesday, March 29, 2016 1:03 PM  
**To:** Amy Harbin  
**Subject:** RE: Sacred Lands File search request

Hi Amy,

I'm glad the sites were helpful. I'll get that request processed for you today.

Best,  
Gayle

Gayle Totton, M.A., PhD.  
Associate Governmental Program Analyst  
Native American Heritage Commission

---

**From:** Amy Harbin [AHarbin@baldwinpark.com]  
**Sent:** Tuesday, March 29, 2016 11:02 AM  
**To:** Totton, Gayle@NAHC  
**Cc:** Abraham Tellez  
**Subject:** RE: Sacred Lands File search request

Hi Gayle,

Thanks for your email and the links to the websites. This is the first time for us, so the guidance is extremely helpful.

For both projects we found that each are within the Baldwin Quad, Township 1 South/Range 10 West.

Please let me know if you need anything else.

Thanks again,

Amy

Amy L. Harbin, AICP | City Planner

City of Baldwin Park | Community Development Department

14403 E. Pacific Avenue | Baldwin Park, California 91706

T 626.960.4011 x475

[www.baldwinpark.com](http://www.baldwinpark.com)

City Hall is closed every Friday.

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

From: Totton, Gayle@NAHC [<mailto:Gayle.Totton@NAHC.CA.GOV>]

Sent: Tuesday, March 29, 2016 9:54 AM

To: Amy Harbin

Subject: Sacred Lands File search request

Good morning Ms. Harbin,

I received your request for an AB 52 consultation list and a Sacred Lands File (SLF) search on the Pacific Avenue 47-unit project and the Fortin Street 15-unit project this morning. For the SLF search, I need the following information on the projects:

USGS Quadrangle name - I believe these projects are in the Baldwin Park Quad (you can verify this at [http://store.usgs.gov/b2c\\_usgs/usgs/maplocator/\(ctype=areaDetails&xcm=r3standardpitrex\\_prd&care=%24ROOT&layout=6\\_1\\_61\\_48&uiarea=2\)/.do](http://store.usgs.gov/b2c_usgs/usgs/maplocator/(ctype=areaDetails&xcm=r3standardpitrex_prd&care=%24ROOT&layout=6_1_61_48&uiarea=2)/.do) ) Township and Range (you can find these at <http://www.earthpoint.us/TownshipsSearchByLatLon.aspx> ) Section (if available, but not necessary)

While I can do the search using just the USGS quadrangle, the more precise you can be for the locations, the better.

Unfortunately, I cannot do the search using APN numbers.

Thank you,

Gayle Totton, M.A., PhD.

Associate Governmental Program Analyst

Native American Heritage Commission

## TRANSMITTAL AB-52 CONSULTATION REPORT

Andrew Salas, Chairman  
Gabrieleno Band of Mission Indians – Kizh Nation  
P.O. Box 393  
Covina, California 91723  
E-mail: gabrielenoindians@yahoo.com

---

**DATE:** April 5, 2016.

**PROJECT NAME:** DC Corp Project; 15--single-family detached dwelling units, including 1 affordable Unit.

**ADDRESS:** 4923-4929 Fortin Street, 15138 Nubia Street Assessor Parcel Numbers (APNs): 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033. City of Baldwin Park, Los Angeles County.

**CONTACT:** Questions, comments, and/or a request for formal consultation shall be submitted to the following contact person at the City of Baldwin Park within 30 days of receipt of this report:

Abraham Tellez, Associate Planner  
Planning Division  
14403 E. Pacific Avenue, Baldwin Park, CA 91706  
(626) 960-4011, extension 456  
ATellez@baldwinpark.com

**APPLICANT:** Baldwin Park Homes, LLC, (David Cook, Owner) 1773 W. San Bernardino Road, Suite B42, West Covina, CA 91790

**PROJECT DESCRIPTION:** The City of Baldwin Park Community Development Department, Planning Division, in its capacity as the Lead Agency, is reviewing an application that would allow for the construction and subsequent occupancy of fifteen (15) single-family detached dwelling units within a 1.75-acre site. The DC Corp, project ("proposed project") site is located at 4923-4929 Fortin Street and 15138 Nubia Street within the City of Baldwin Park in Los Angeles County, California; Nubia Street forms the northern project boundary; Fortin Street forms the eastern boundary Masline Avenue lies to the south and Elton Street is to the west.

Overall, the project affects a total of four (4) parcels. The project proposes development on four of these parcels which include County of Los Angeles Assessor Parcel Numbers (APNs) 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033.. The project involves four properties totaling approximately 1.75 acres (gross—including the private street and small amount of open space area) The City records indicate that the property identified with Assessor's Parcel Number 8413-013-028 has one dwelling unit containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-032 has one dwelling unit also containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-033 has one dwelling unit containing approximately 960 s.f. of floor area with 2-bedrooms and 1-bathroom. All dwelling units were constructed in 1954. The fourth property (APN 8413-013-025) is vacant. All structures located on the properties will be demolished and

cleared. According to aerial information, the properties have several areas of dense brush and trees. The project site is surrounded primarily by single story, single-family detached dwelling units.

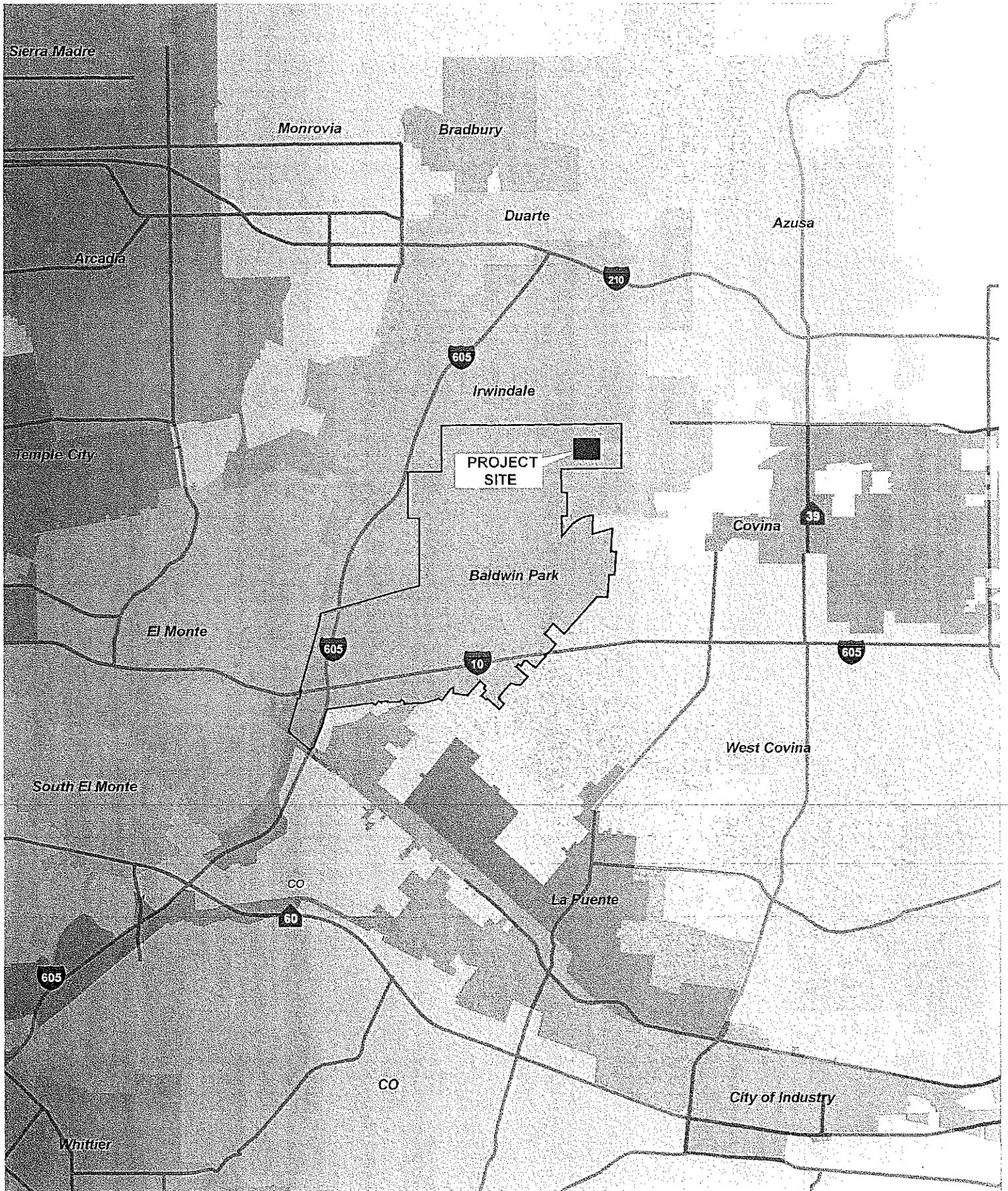
The Applicant is proposing a Tentative Tract Map to subdivide the four lots into a total of fifteen (15) residential lots, which will have access from a new private street that intersects with Fortin Street. In addition, two (2) lots will have direct access from Nubia Street. The Applicant will construct a private street and cul-de-sac which meets the minimum development standards by the City's Public Works Department and Los Angeles County Fire Department.

At the current allowable density for this project, the applicant is allowed to construct a maximum of fourteen (14) dwelling units. However, since the Applicant is requesting a conditional use permit for a density bonus, an additional dwelling unit over and above the maximum allowable density is permitted for a total of fifteen (15) dwelling units. Of the fifteen (15) dwelling units, one (1) of the dwelling units will be reserved for a family of low income. Because of the density bonus for the affordable units, the Applicant has requested several deviations from the existing Municipal Code's minimum requirements, including, but not limited to, 2<sup>nd</sup> story setbacks and private open space.

**ENVIRONMENTAL SETTING:** The project site is located within the corporate boundaries of the Baldwin Park which is located in the eastern portion of Los Angeles County, in the central area of the San Gabriel Valley. Surrounding cities include El Monte on the west, Irwindale on the north, West Covina on the east, Industry and Unincorporated Los Angeles County on the south. Regional access to the City is provided by the San Bernardino Freeway (Interstate I-10) that extends through the southern third of the City in an east-west orientation. The project site is located in the midst of an urbanized area that includes residential uses along all the site's frontages. About 1/4 mile to the north of the site is an industrially zoned area.

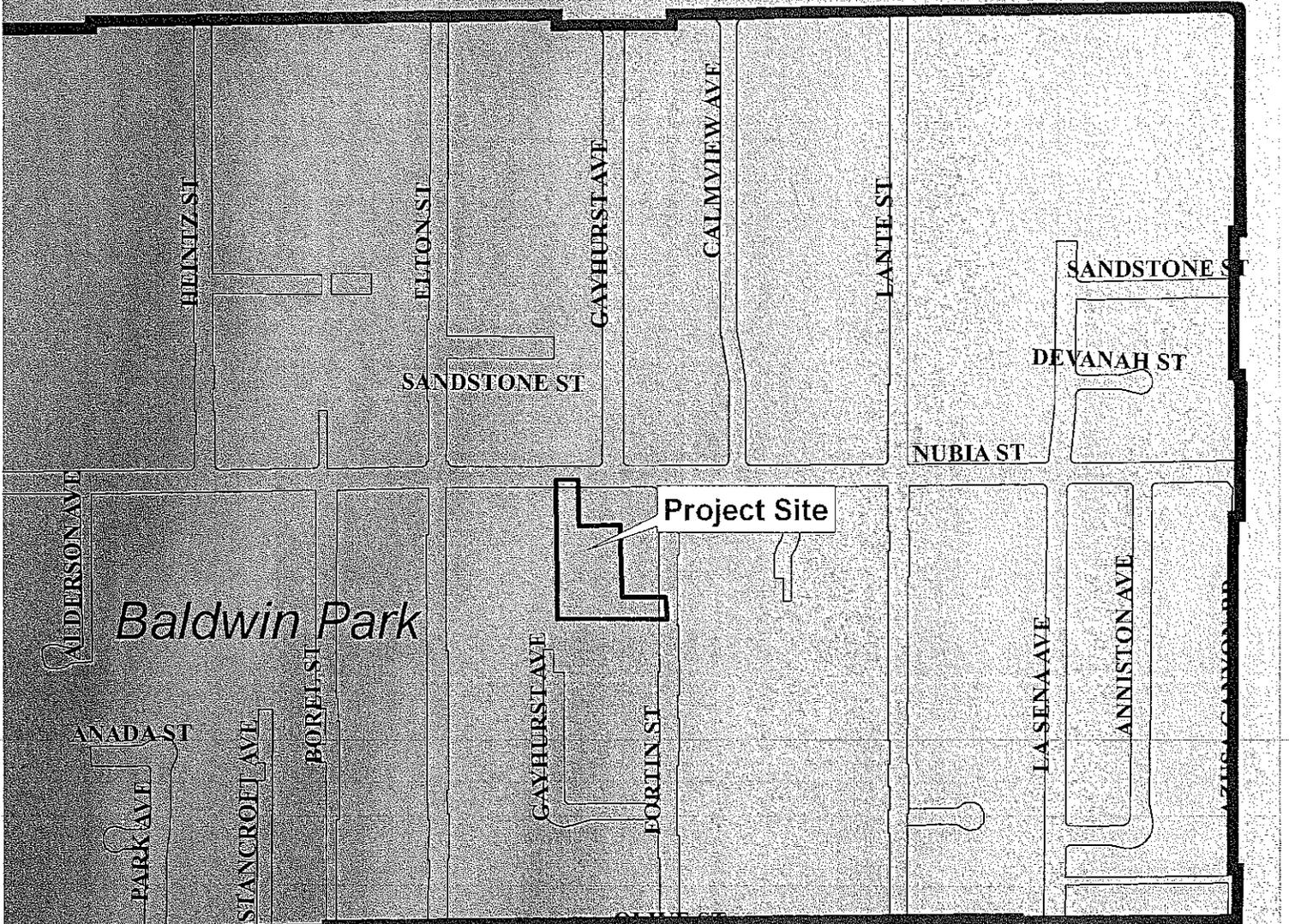
**FINDINGS:** The City of Baldwin Park has determined that a Mitigated Negative Declaration is the appropriate CEQA document for the proposed project.





City of Baldwin Park Site/Project Location Map  
Neighboring Cities

# Irwindale



LOCAL MAP



AERIAL PHOTOGRAPH

## TRANSMITTAL AB-52 CONSULTATION REPORT

Anthony Morales, Chair  
Gabrieleno/Tongva San Gabriel Band of Mission Indians  
P.O. Box 693  
San Gabriel, California 91778  
E-mail: GTTribalcouncil@aol.com

---

**DATE:** April 5, 2016.

**PROJECT NAME:** DC Corp Project; 15—single-family detached dwelling units, including 1 affordable Unit.

**ADDRESS:** 4923-4929 Fortin Street, 15138 Nubia Street Assessor Parcel Numbers (APNs): 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033. City of Baldwin Park, Los Angeles County.

**CONTACT:** Questions, comments, and/or a request for formal consultation shall be submitted to the following contact person at the City of Baldwin Park within 30 days of receipt of this report:

Abraham Tellez, Associate Planner  
Planning Division  
14403 E. Pacific Avenue, Baldwin Park, CA 91706  
(626) 960-4011, extension 456  
ATellez@baldwinpark.com

**APPLICANT:** Baldwin Park Homes, LLC, (David Cook, Owner) 1773 W. San Bernardino Road, Suite B42, West Covina, CA 91790

**PROJECT DESCRIPTION:** The City of Baldwin Park Community Development Department, Planning Division, in its capacity as the Lead Agency, is reviewing an application that would allow for the construction and subsequent occupancy of fifteen (15) single-family detached dwelling units within a 1.75-acre site. The DC Corp, project ("proposed project") site is located at 4923-4929 Fortin Street and 15138 Nubia Street within the City of Baldwin Park in Los Angeles County, California; Nubia Street forms the northern project boundary; Fortin Street forms the eastern boundary Masline Avenue lies to the south and Elton Street is to the west.

Overall, the project affects a total of four (4) parcels. The project proposes development on four of these parcels which include County of Los Angeles Assessor Parcel Numbers (APNs) 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033. The project involves four properties totaling approximately 1.75 acres (gross—including the private street and small amount of open space area) The City records indicate that the property identified with Assessor's Parcel Number 8413-013-028 has one dwelling unit containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-032 has one dwelling unit also containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-033 has one dwelling unit containing approximately 960 s.f. of floor area with 2-bedrooms and 1-bathroom. All dwelling units were constructed in 1954. The fourth property (APN 8413-013-025) is vacant. All structures located on the properties will be demolished and

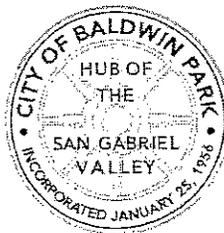
cleared. According to aerial information, the properties have several areas of dense brush and trees. The project site is surrounded primarily by single story, single-family detached dwelling units.

The Applicant is proposing a Tentative Tract Map to subdivide the four lots into a total of fifteen (15) residential lots, which will have access from a new private street that intersects with Fortin Street. In addition, two (2) lots will have direct access from Nubia Street. The Applicant will construct a private street and cul-de-sac which meets the minimum development standards by the City's Public Works Department and Los Angeles County Fire Department.

At the current allowable density for this project, the applicant is allowed to construct a maximum of fourteen (14) dwelling units. However, since the Applicant is requesting a conditional use permit for a density bonus, an additional dwelling unit over and above the maximum allowable density is permitted for a total of fifteen (15) dwelling units. Of the fifteen (15) dwelling units, one (1) of the dwelling units will be reserved for a family of low income. Because of the density bonus for the affordable units, the Applicant has requested several deviations from the existing Municipal Code's minimum requirements, including, but not limited to, 2<sup>nd</sup> story setbacks and private open space.

**ENVIRONMENTAL SETTING:** The project site is located within the corporate boundaries of the Baldwin Park which is located in the eastern portion of Los Angeles County, in the central area of the San Gabriel Valley. Surrounding cities include El Monte on the west, Irwindale on the north, West Covina on the east, Industry and Unincorporated Los Angeles County on the south. Regional access to the City is provided by the San Bernardino Freeway (Interstate I-10) that extends through the southern third of the City in an east-west orientation. The project site is located in the midst of an urbanized area that includes residential uses along all the site's frontages. About 1/4 mile to the north of the site is an industrially zoned area.

**FINDINGS:** The City of Baldwin Park has determined that a Mitigated Negative Declaration is the appropriate CEQA document for the proposed project.



## TRANSMITTAL AB-52 CONSULTATION REPORT

Sandonne Goad, Chair  
Gabrielino/Tongva Nation  
106 1/2 Judge John Aiso St. #231  
Los Angeles, CA 90012  
E-mail: sgoad@gabrielino-tongva.com

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**DATE:** April 5, 2016.

**PROJECT NAME:** DC Corp Project; 15--single-family detached dwelling units, including 1 affordable Unit.

**ADDRESS:** 4923-4929 Fortin Street, 15138 Nubia Street Assessor Parcel Numbers (APNs): 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033. City of Baldwin Park, Los Angeles County.

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Abraham Tellez, Associate Planner  
Planning Division  
14403 E. Pacific Avenue, Baldwin Park, CA 91706  
(626) 960-4011, extension 456  
ATellez@baldwinpark.com

**APPLICANT:** Baldwin Park Homes, LLC, (David Cook, Owner) 1773 W. San Bernardino Road, Suite B42, West Covina, CA 91790

**PROJECT DESCRIPTION:** The City of Baldwin Park Community Development Department, Planning Division, in its capacity as the Lead Agency, is reviewing an application that would allow for the construction and subsequent occupancy of fifteen (15) single-family detached dwelling units within a 1.75-acre site. The DC Corp, project ("proposed project") site is located at 4923-4929 Fortin Street and 15138 Nubia Street within the City of Baldwin Park in Los Angeles County, California; Nubia Street forms the northern project boundary; Fortin Street forms the eastern boundary Masline Avenue lies to the south and Elton Street is to the west.

Overall, the project affects a total of four (4) parcels. The project proposes development on four of these parcels which include County of Los Angeles Assessor Parcel Numbers (APNs) 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033.. The project involves four properties totaling approximately 1.75 acres (gross—including the private street and small amount of open space area) The City records indicate that the property identified with Assessor's Parcel Number 8413-013-028 has one dwelling unit containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-032 has one dwelling unit also containing approximately 720 s.f. of floor area with 2-bedrooms and 1-bathroom. Assessor's Parcel Number 8413-013-033 has one dwelling unit containing approximately 960 s.f. of floor area with 2-bedrooms and 1-bathroom. All dwelling units were constructed in 1954. The fourth property (APN 8413-013-025) is vacant. All structures located on the properties will be demolished and

cleared. According to aerial information, the properties have several areas of dense brush and trees. The project site is surrounded primarily by single story, single-family detached dwelling units.

The Applicant is proposing a Tentative Tract Map to subdivide the four lots into a total of fifteen (15) residential lots, which will have access from a new private street that intersects with Fortin Street. In addition, two (2) lots will have direct access from Nubia Street. The Applicant will construct a private street and cul-de-sac which meets the minimum development standards by the City's Public Works Department and Los Angeles County Fire Department.

At the current allowable density for this project, the applicant is allowed to construct a maximum of fourteen (14) dwelling units. However, since the Applicant is requesting a conditional use permit for a density bonus, an additional dwelling unit over and above the maximum allowable density is permitted for a total of fifteen (15) dwelling units. Of the fifteen (15) dwelling units, one (1) of the dwelling units will be reserved for a family of low income. Because of the density bonus for the affordable units, the Applicant has requested several deviations from the existing Municipal Code's minimum requirements, including, but not limited to, 2<sup>nd</sup> story setbacks and private open space.

**ENVIRONMENTAL SETTING:** The project site is located within the corporate boundaries of the Baldwin Park which is located in the eastern portion of Los Angeles County, in the central area of the San Gabriel Valley. Surrounding cities include El Monte on the west, Irwindale on the north, West Covina on the east, Industry and Unincorporated Los Angeles County on the south. Regional access to the City is provided by the San Bernardino Freeway (Interstate I-10) that extends through the southern third of the City in an east-west orientation. The project site is located in the midst of an urbanized area that includes residential uses along all the site's frontages. About 1/4 mile to the north of the site is an industrially zoned area.

**FINDINGS:** The City of Baldwin Park has determined that a Mitigated Negative Declaration is the appropriate CEQA document for the proposed project.



## TRANSMITTAL AB-52 CONSULTATION REPORT

Robert Dorame, Tribal Chair  
Gabrielino Tongva Indians of California Tribal Council  
PO Box 490  
Bellflower, CA 90707  
E-mail: gtongva@verizon.net

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**DATE:** April 5, 2016.

**PROJECT NAME:** DC Corp Project; 15—single-family detached dwelling units, including 1 affordable Unit.

**ADDRESS:** 4923-4929 Fortin Street, 15138 Nubia Street Assessor Parcel Numbers (APNs): 8413-013-025, 8413-013-028, 8413-013-032 and 8413-013-033. City of Baldwin Park, Los Angeles County.

**CONTACT:** Questions, comments, and/or a request for formal consultation shall be submitted to the following contact person at the City of Baldwin Park within 30 days of receipt of this report:

Abraham Tellez, Associate Planner  
Planning Division  
14403 E. Pacific Avenue, Baldwin Park, CA 91706  
(626) 960-4011, extension 456  
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## TRANSMITTAL AB-52 CONSULTATION REPORT

Linda Candelaria, Co-Chair  
Gabrielino-Tongva Tribe  
1999 Avenue of the Stars, Suite #1100  
Los Angeles, CA 90067  
E-mail:

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**DATE:** April 5, 2016.

**PROJECT NAME:** DC Corp Project; 15—single-family detached dwelling units, including 1 affordable Unit.

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**FINDINGS:** The City of Baldwin Park has determined that a Mitigated Negative Declaration is the appropriate CEQA document for the proposed project.



## TRANSMITTAL AB-52 CONSULTATION REPORT

Rosemary Morillo, Chair  
Soboba Band of Luiseno Indians  
PO Box 487  
San Jacinto, CA 92583  
E-mail: rmorillo@soboba-nsn.gov

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**DATE:** April 5, 2016.

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