



NOTICE OF PREPARATION

DATE: June 28, 2021

TO: Responsible Agencies, Trustee Agencies, and Interested Parties

LEAD AGENCY: City of Garden Grove
 Contact: Chris Chung
 11222 Acacia Parkway
 Garden Grove, California 92507

SUBJECT: Notice of Preparation of a Draft Environmental Impact Report for the City of Garden Grove Focused General Plan Update and Zoning Amendments¹

NOTICE OF PREPARATION REVIEW PERIOD: June 30, 2021 to July 30, 2021

The City of Garden Grove (City) will be the Lead Agency and will prepare a Draft Environmental Impact Report (DEIR) pursuant to the California Environmental Quality Act (CEQA) for the proposed Focused General Plan Update (GPU) and Zoning Amendments (Project). For responsible and trustee agencies, we are interested in your agency’s views as to the appropriate scope and content of the DEIR pertaining to your agency’s statutory responsibilities related to the Project. We will need the name of a contact person for your agency. For interested individuals, we would like to be informed of environmental topics of interest to you regarding the Project.

The City has already determined that an EIR is required for the proposed Focused GPU and Zoning Amendments, however, as permitted by CEQA Guidelines Section 15060(d) (Preliminary Review), the City prepared an Initial Study (see attached) for the Project to determine which potential impacts are required to be analyzed further in the EIR and which impacts do not require any further evaluation (aesthetics, agriculture/forest resources, mineral resources, and wildfire do not require further evaluation).

Pursuant to CEQA Guidelines Section 15082(a)(2), the proposed Project, its location, and its potential environmental effects are described in the **attached Initial Study**. The City welcomes public input during the Notice of Preparation (NOP) review period. Due to the time limits mandated by the CEQA Guidelines, your response must be sent not later than 30 days after your

¹ Per Title 14, California Code of Regulations, California Environmental Quality Act (CEQA) Guidelines, Sections 15082(a), 15103, and 15375

receipt of this notice. If no response or request for additional time is received by the end of the review period, the City may presume that you have no response. (CEQA Guidelines § 15103.)

Please send your comments to:

Chris Chung, Urban Planner
City of Garden Grove
Planning Services Division
11222 Acacia Parkway
Garden Grove, California 92840
(714) 741-5314
chrisc@ggcity.org

To allow for mailing, receipt, and 30-day review of this NOP, the comment period closes on July 30, 2021.



Chris Chung, Urban Planner

6/30/21

Date

SCOPING MEETING

Pursuant to CEQA Guidelines Section 15082(c) (Notice of Preparation and Determination of Scope of EIR), the City will conduct a scoping meeting for the purpose of soliciting comments from adjacent cities, responsible agencies, trustee agencies, and interested parties requesting notice as to the appropriate scope and content of the Draft EIR.

The purpose of the meeting is to present the Project and environmental topics in a public setting and provide an opportunity for the City to hear from the community and interested agencies on what potential environmental issues are important to them. The meeting will include a brief presentation of the proposed Project, the EIR process, and the topics to be analyzed in the EIR. Following the presentation, interested agencies, organizations, and members of the public will be encouraged to offer their views concerning what environmental issues should be included in the Draft EIR.

The Virtual Public Scoping Meeting will be held via Zoom on the following date/time:

Wednesday, July 14, 2021 at 06:00 PM to 08:00 PM

<https://zoom.us/j/98094503234>

Zoom Meeting ID: 980 9450 3234



South Coast Air Quality Management District

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

SENT VIA E-MAIL:

July 20, 2021

chrisc@ggcity.org

Chris Chung, Ianner
City of Garden Grove, Planning Services Division
11222 Acacia Parkway
Garden Grove, California 92840

Notice of Preparation of a Draft Environmental Impact Report for the Garden Grove Focused General Plan Update and Zoning Amendments

South Coast Air Quality Management District (South Coast AQMD) staff appreciates the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Draft Environmental Impact Report (EIR). Please send a copy of the Draft EIR upon its completion and public release directly to South Coast AQMD as copies of the Draft EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses and electronic versions of all emission calculation spreadsheets, and air quality modeling and health risk assessment input and output files (not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

CEQA Air Quality Analysis

Staff recommends that the Lead Agency use South Coast AQMD's CEQA Air Quality Handbook and website¹ as guidance when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the CalEEMod² land use emissions software, which can estimate pollutant emissions from typical land use development and is the only software model maintained by the California Air Pollution Control Officers Association.

South Coast AQMD has developed both regional and localized significance thresholds. South Coast AQMD staff recommends that the Lead Agency quantify criteria pollutant emissions and compare the emissions to South Coast AQMD's CEQA regional pollutant emissions significance thresholds³ and localized significance thresholds (LSTs)⁴ to determine the Proposed Project's air quality impacts. The localized analysis can be conducted by either using the LST screening tables or performing dispersion modeling.

The Lead Agency should identify any potential adverse air quality impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road

¹ South Coast AQMD's CEQA Handbook and other resources for preparing air quality analyses can be found at: <http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook>.

² CalEEMod is available free of charge at: www.caleemod.com.

³ South Coast AQMD's CEQA regional pollutant emissions significance thresholds can be found at: <http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf>.

⁴ South Coast AQMD's guidance for performing a localized air quality analysis can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds>.

mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's regional air quality CEQA *operational* thresholds to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially heavy-duty diesel-fueled vehicles, it is recommended that the Lead Agency perform a mobile source health risk assessment⁵.

The South Coast AQMD's *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*⁶ includes suggested policies that local governments can use in their General Plans or through local planning to prevent or reduce potential air pollution impacts and protect public health. It is recommended that the Lead Agency review this Guidance Document as a tool when making local planning and land use decisions.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook¹, South Coast AQMD's Mitigation Monitoring and Reporting Plan for the 2016 Air Quality Management Plan⁷, and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy⁸.

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact me at lsun@aqmd.gov.

Sincerely,

Lijin Sun

Lijin Sun

Program Supervisor, CEQA IGR

Planning, Rule Development & Area Sources

LS
ORC210706-07
Control Number

⁵ South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: <http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis>.

⁶ South Coast AQMD. 2005. *Guidance Document for Addressing Air Quality Issues in General Plans and Local Planning*. Available at: <http://www.aqmd.gov/docs/default-source/planning/air-quality-guidance/complete-guidance-document.pdf>.

⁷ South Coast AQMD's 2016 Air Quality Management Plan can be found at: <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-mar3-035.pdf> (starting on page 86).

⁸ Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsocial.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

**NATIVE AMERICAN HERITAGE COMMISSION**

July 1, 2021

Chris Chung
City of Garden Grove
11222 Acacia Parkway
Garden Grove, CA 92840

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NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

Re: 2021060714, Garden Grove Focused General Plan Update and Zoning Amendments Project, Orange County

Dear Mr. Chung:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1))). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

- 1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project:** Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

 - a. A brief description of the project.
 - b. The lead agency contact information.
 - c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
 - d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

- 2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report:** A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

 - a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

- 3. Mandatory Topics of Consultation If Requested by a Tribe:** The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

 - a. Alternatives to the project.
 - b. Recommended mitigation measures.
 - c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).

- 4. Discretionary Topics of Consultation:** The following topics are discretionary topics of consultation:

 - a. Type of environmental review necessary.
 - b. Significance of the tribal cultural resources.
 - c. Significance of the project's impacts on tribal cultural resources.
 - d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

- 5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process:** With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

- 6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document:** If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

 - a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
 - b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

- 7. Conclusion of Consultation:** Consultation with a tribe shall be considered concluded when either of the following occurs:
- a.** The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
 - b.** A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).
- 8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document:** Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).
- 9. Required Consideration of Feasible Mitigation:** If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).
- 10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:**
- a.** Avoidance and preservation of the resources in place, including, but not limited to:
 - i.** Planning and construction to avoid the resources and protect the cultural and natural context.
 - ii.** Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
 - b.** Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - i.** Protecting the cultural character and integrity of the resource.
 - ii.** Protecting the traditional use of the resource.
 - iii.** Protecting the confidentiality of the resource.
 - c.** Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
 - d.** Protecting the resource. (Pub. Resource Code §21084.3 (b)).
 - e.** Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
 - f.** Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).
- 11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource:** An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
- a.** The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
 - b.** The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
 - c.** The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. **Tribal Consultation:** If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. **No Statutory Time Limit on SB 18 Tribal Consultation.** There is no statutory time limit on SB 18 tribal consultation.
3. **Confidentiality:** Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. **Conclusion of SB 18 Tribal Consultation:** Consultation should be concluded at the point in which:
 - a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: <http://nahc.ca.gov/resources/forms/>.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
 - a. If part or all of the APE has been previously surveyed for cultural resources.
 - b. If any known cultural resources have already been recorded on or adjacent to the APE.
 - c. If the probability is low, moderate, or high that cultural resources are located in the APE.
 - d. If a survey is required to determine whether previously unrecorded cultural resources are present.
2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. 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.



SOUTHERN CALIFORNIA
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July 30, 2021

Mr. Chris Chung, Urban Planner
City of Garden Grove, Planning Services Division
11222 Acacia Parkway
Garden Grove, California 92840
Phone: (714) 741-5314
E-mail: chrisc@ggcity.org

RE: SCAG Comments on the Notice of Preparation of a Draft Environmental Impact Report for the City of Garden Grove Focused General Plan Update and Zoning Amendments [SCAG NO. IGR10428]

Dear Mr. Chung,

Thank you for submitting the Notice of Preparation of a Draft Environmental Impact Report for the City of Garden Grove Focused General Plan Update and Zoning Amendments (“proposed project”) to the Southern California Association of Governments (SCAG) for review and comment. SCAG is responsible for providing informational resources to regionally significant plans, projects, and programs per the California Environmental Quality Act (CEQA) to facilitate the consistency of these projects with SCAG’s adopted regional plans, to be determined by the lead agencies.¹

Pursuant to Senate Bill (SB) 375, SCAG is the designated Regional Transportation Planning Agency under state law and is responsible for preparation of the Regional Transportation Plan (RTP) including the Sustainable Communities Strategy (SCS). SCAG’s feedback is intended to assist local jurisdictions and project proponents to implement projects that have the potential to contribute to attainment of Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) goals and align with RTP/SCS policies. Finally, SCAG is also the authorized regional agency for Inter-Governmental Review (IGR) of programs proposed for Federal financial assistance and direct Federal development activities, pursuant to Presidential Executive Order 12372.

SCAG staff has reviewed the Notice of Preparation of a Draft Environmental Impact Report for the City of Garden Grove Focused General Plan Update and Zoning Amendments in Orange County. The proposed project includes amendments to the Housing, Land Use, and Safety Elements and the Zoning Code, as well as a new Environmental Justice Element.

When available, please email environmental documentation to IGR@scag.ca.gov providing, at a minimum, the full public comment period for review.

If you have any questions regarding the attached comments, please contact the Inter-Governmental Review (IGR) Program, attn.: Anita Au, Senior Regional Planner, at (213) 236-1874 or IGR@scag.ca.gov. Thank you.

Sincerely,

Rongsheng Luo
Acting Manager, Compliance and Performance Monitoring

¹ Lead agencies such as local jurisdictions have the sole discretion in determining a local project’s consistency with the 2020 RTP/SCS (Connect SoCal) for the purpose of determining consistency for CEQA.

REGIONAL COUNCIL OFFICERS

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**COMMENTS ON THE NOTICE OF PREPARATION OF A
DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE
CITY OF GARDEN GROVE FOCUSED GENERAL PLAN UPDATE AND ZONING AMENDMENTS [SCAG NO. IGR10428]**

CONSISTENCY WITH CONNECT SOCIAL

SCAG provides informational resources to facilitate the consistency of the proposed project with the adopted 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS or Connect SoCal). For the purpose of determining consistency with CEQA, lead agencies such as local jurisdictions have the sole discretion in determining a local project’s consistency with Connect SoCal.

CONNECT SOCIAL GOALS

The SCAG Regional Council fully adopted [Connect SoCal](#) in September 2020. Connect SoCal, also known as the 2020 – 2045 RTP/SCS, builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern. The long-range visioning plan balances future mobility and housing needs with goals for the environment, the regional economy, social equity and environmental justice, and public health. The goals included in Connect SoCal may be pertinent to the proposed project. These goals are meant to provide guidance for considering the proposed project. Among the relevant goals of Connect SoCal are the following:

SCAG CONNECT SOCIAL GOALS	
Goal #1:	<i>Encourage regional economic prosperity and global competitiveness</i>
Goal #2:	<i>Improve mobility, accessibility, reliability and travel safety for people and goods</i>
Goal #3:	<i>Enhance the preservation, security, and resilience of the regional transportation system</i>
Goal #4:	<i>Increase person and goods movement and travel choices within the transportation system</i>
Goal #5:	<i>Reduce greenhouse gas emissions and improve air quality</i>
Goal #6:	<i>Support healthy and equitable communities</i>
Goal #7:	<i>Adapt to a changing climate and support an integrated regional development pattern and transportation network</i>
Goal #8:	<i>Leverage new transportation technologies and data-driven solutions that result in more efficient travel</i>
Goal #9:	<i>Encourage development of diverse housing types in areas that are supported by multiple transportation options</i>
Goal #10:	<i>Promote conservation of natural and agricultural lands and restoration of habitats</i>

For ease of review, we encourage the use of a side-by-side comparison of SCAG goals with discussions of the consistency, non-consistency or non-applicability of the goals and supportive analysis in a table format. Suggested format is as follows:

SCAG CONNECT SOCIAL GOALS	
Goal	Analysis
Goal #1: <i>Encourage regional economic prosperity and global competitiveness</i>	<i>Consistent: Statement as to why; Not-Consistent: Statement as to why; Or Not Applicable: Statement as to why; DEIR page number reference</i>
Goal #2: <i>Improve mobility, accessibility, reliability and travel safety for people and goods</i>	<i>Consistent: Statement as to why; Not-Consistent: Statement as to why; Or Not Applicable: Statement as to why; DEIR page number reference</i>
etc.	etc.

Connect SoCal Strategies

To achieve the goals of Connect SoCal, a wide range of land use and transportation strategies are included in the accompanying twenty (20) technical reports. Of particular note are multiple strategies included in Chapter 3 of Connect SoCal intended to support implementation of the regional Sustainable Communities Strategy (SCS) framed within the context of focusing growth near destinations and mobility options; promoting diverse housing choices; leveraging technology innovations; supporting implementation of sustainability policies; and promoting a Green Region. To view Connect SoCal and the accompanying technical reports, please visit the [Connect SoCal webpage](#). Connect SoCal builds upon the progress from previous RTP/SCS cycles and continues to focus on integrated, coordinated, and balanced planning for land use and transportation that helps the SCAG region strive towards a more sustainable region, while meeting statutory requirements pertinent to RTP/SCSs. These strategies within the regional context are provided as guidance for lead agencies such as local jurisdictions when the proposed project is under consideration.

SCAG staff would like to call your attention to resources available from SCAG’s [Regional Climate Adaptation Framework](#) including the [Southern California Climate Adaptation Planning Guide](#), [Communication and Outreach Toolkit](#), [Library of Model Policies](#), and [SB 379 Compliance Curriculum for Local Jurisdictions](#).

DEMOGRAPHICS AND GROWTH FORECASTS

A key, formative step in projecting future population, households, and employment through 2045 for Connect SoCal was the generation of a forecast of regional and county level growth in collaboration with expert demographers and economists on Southern California. From there, jurisdictional level forecasts were ground-truthed by subregions and local agencies, which helped SCAG identify opportunities and barriers to future development. This forecast helps the region understand, in a very general sense, where we are expected to grow, and allows SCAG to focus attention on areas that are experiencing change and may have increased transportation needs. After a year-long engagement effort with all 197 jurisdictions one-on-one, 82 percent of SCAG’s 197 jurisdictions provided feedback on the forecast of future growth for Connect SoCal. SCAG also sought feedback on potential sustainable growth strategies from a broad range of stakeholder groups – including local jurisdictions, county transportation commissions, other partner agencies, industry groups, community-based organizations, and the general public. Connect SoCal utilizes a bottom-up approach in that total projected growth for each jurisdiction reflects feedback received from jurisdiction staff, including city managers, community development/planning directors, and local staff. Growth at the neighborhood level (i.e., transportation analysis zone (TAZ) reflects entitled projects and adheres to current general and specific plan maximum densities as conveyed by jurisdictions (except in cases where entitled projects and development agreements exceed these capacities as calculated by SCAG). Neighborhood level growth projections also feature strategies that help to reduce greenhouse gas emissions (GHG) from automobiles and light trucks to achieve Southern California’s GHG reduction target, approved by the California Air Resources Board (CARB) in accordance

with state planning law. Connect SoCal’s Forecasted Development Pattern is utilized for long range modeling purposes and does not supersede actions taken by elected bodies on future development, including entitlements and development agreements. SCAG does not have the authority to implement the plan -- neither through decisions about what type of development is built where, nor what transportation projects are ultimately built, as Connect SoCal is adopted at the jurisdictional level. Achieving a sustained regional outcome depends upon informed and intentional local action. To access jurisdictional level growth estimates and forecasts for years 2016 and 2045, please refer to the [Connect SoCal Demographics and Growth Forecast Technical Report](#). The growth forecasts for the region and applicable jurisdictions are below.

	Adopted SCAG Region Wide Forecasts				Adopted City of Garden Grove Forecasts			
	Year 2020	Year 2030	Year 2035	Year 2045	Year 2020	Year 2030	Year 2035	Year 2045
Population	19,517,731	20,821,171	21,443,006	22,503,899	177,369	185,212	186,208	185,829
Households	6,333,458	6,902,821	7,170,110	7,633,451	46,870	48,350	48,646	49,202
Employment	8,695,427	9,303,627	9,566,384	10,048,822	59,164	63,306	63,731	68,249

MITIGATION MEASURES

SCAG staff recommends that you review the [Final Program Environmental Impact Report](#) (Final PEIR) for Connect SoCal for guidance, as appropriate. SCAG’s Regional Council certified the PEIR and adopted the associated Findings of Fact and a Statement of Overriding Considerations (FOF/SOC) and Mitigation Monitoring and Reporting Program (MMRP) on May 7, 2020 and also adopted a PEIR Addendum and amended the MMRP on September 3, 2020 (please see the [PEIR webpage](#) and scroll to the bottom of the page for the PEIR Addendum). The PEIR includes a list of project-level performance standards-based mitigation measures that may be considered for adoption and implementation by lead, responsible, or trustee agencies in the region, as applicable and feasible. Project-level mitigation measures are within responsibility, authority, and/or jurisdiction of project-implementing agency or other public agency serving as lead agency under CEQA in subsequent project- and site- specific design, CEQA review, and decision-making processes, to meet the performance standards for each of the CEQA resource categories.

REGIONAL HOUSING NEEDS ALLOCATION

On March 4, 2021 SCAG’s Regional Council adopted the [6th cycle Final Regional Housing Needs Assessment \(RHNA\) Allocation Plan](#) which covers the planning period October 2021 through October 2029. The 6th cycle Final RHNA allocation for the applicable jurisdiction is below.

SCAG 6 th Cycle Final RHNA Allocation for City of Garden Grove	
Very low income	4,166
Low income	2,801
Moderate income	3,211
Above moderate income	8,990
Total RHNA Allocation	19,168

Sixth cycle housing elements are due to the California Department of Housing and Community Development (HCD) by October 15, 2021. SCAG encourages jurisdictions to prepare the draft housing element in advance of the due date to ensure adequate time to address HCD comments and adopt a final housing element. Jurisdictions that do not have a compliant housing element may be ineligible for certain State funding and grant opportunities and may be at risk for legal action from stakeholders or HCD.

SCAG staff would like to call your attention to SCAG's [HELPR 2.0](#), a web-mapping tool developed by SCAG to help local jurisdictions and stakeholders understand local land use, site opportunities, and environmental sensitivities for aligning housing planning with the state Department of Housing and Community Development's (HCD) [6th cycle housing element requirements](#).

SCAG staff recommends updating Figure 12-1 on page 12-2 of the City of Garden Grove Public Review Draft of the 2021-2029 Housing Element to include the correct above moderate income allocation (8,990 units). Additionally, the City's [Housing Element Update webpage](#) displays outdated Proposed 6th Cycle RHNA Allocation; SCAG staff recommends updating this table to reflect the Final RHNA Allocation.

ENVIRONMENTAL JUSTICE

Per [Senate Bill 1000](#) (SB 1000), local jurisdictions in California with disadvantaged communities are required to develop an Environmental Justice (EJ) Element or consider EJ goals, policies, and objectives in their General Plans when updating two or more General Plan Elements. SCAG staff recommends that you review the [Environmental Justice Technical Report](#) and the updated [Environmental Justice Toolbox](#), which is a resource document to assist local jurisdictions in developing EJ-related goals and policies regarding solutions for EJ-related community issues.

Mail-in Request for Formal Notification
AB 52

Updated 10/09/2019

1. Request received July 2, 2015

Joseph Ontiveros
Cultural Resource Director
Soboba Band of Luiseno Indians
PO BOX 487
San Jacinto, CA 92581

O: (951) 654-5544 x 4137
C: (951) 663-5279

jontiveros@soboba-nsn.gov

2. Request received May 11, 2016

Michael Mirelez
Cultural Resource Coordinator
Torres Martinez Desert Cahuilla Indians
P.O. Box 1160
Thermal, CA 92274

3. Request received June 17, 2017

Christopher "Walking Thunder" Granado
Director of Native American Monitoring
Four Directions Education
Juaneno Band of Mission Indians- Acjachemen Nation
26671 Paseo Tecate
San Juan Capistrano, CA 92675

4. Request received October 9, 2019

Sam Duniap
E-mail TongvaTCR@gmail.com, mobile (909) 262-9351

(Note: See latest NAHC Tribal Consultation List)

NATIVE AMERICAN HERITAGE COMMISSION

April 13, 2021

Chris Chung
City of Garden Grove

Via Email to: chrisc@ggcity.org

Re: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Garden Grove Focused General Plan Update and Zoning Amendments Project, Orange County

Dear Mr. Chung:

Attached is a consultation list of tribes with traditional lands or cultural places located within the boundaries of the above referenced counties or projects.

Government Codes §65352.3 and §65352.4 require local governments to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of avoiding, protecting, and/or mitigating impacts to cultural places when creating or amending General Plans, Specific Plans and Community Plans.

Public Resources Codes §21080.3.1 and §21080.3.2 requires public agencies to consult with California Native American tribes identified by the Native American Heritage Commission (NAHC) for the purpose of avoiding, protecting, and/or mitigating impacts to tribal cultural resources as defined, for California Environmental Quality Act (CEQA) projects.

The law does not preclude local governments and agencies from initiating consultation with the tribes that are culturally and traditionally affiliated within your jurisdiction. The NAHC believes that this is the best practice to ensure that tribes are consulted commensurate with the intent of the law.

Best practice for the AB52 process and in accordance with Public Resources Code §21080.3.1 (d), is to do the following:

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.

The NAHC also recommends, but does not require that lead agencies include in their notification letters, information regarding any cultural resources assessment that has been completed on the area of potential affect (APE), such as:



CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

SECRETARY
Merri Lopez-Keifer
Luiseño

PARLIAMENTARIAN
Russell Attebery
Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain
Apache

COMMISSIONER
Julie Tumamait-Stenslie
Chumash

COMMISSIONER
[Vacant]

COMMISSIONER
[Vacant]

COMMISSIONER
[Vacant]

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

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, such as known archaeological sites;
 - 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;
 - Whether the records search indicates a low, moderate or high probability that unrecorded cultural resources are located in the 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 result of the Sacred Lands File (SFL) check conducted through the Native American Heritage Commission. The request form can be found at <http://nahc.ca.gov/wp-content/uploads/2015/08/Local-Government-Tribal-Consultation-List-Request-Form-Update.pdf>.
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 tribal cultural resource. 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 event, that they do, having the information beforehand well help to facilitate the consultation process.

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance we can assure that our consultation list remains current.

If you have any questions, please contact me at my email address: Andrew.Green@nahc.ca.gov.

Sincerely,



Andrew Green
Cultural Resources Analyst

Attachment



CITY OF GARDEN GROVE

June 8, 2021

Campo Band of Diegueno
Mission Indians
Ralph Goff, Chairperson
36190 Church Road, Suite 1
Campo, CA, 91906

Steve Jones
Mayor

Kim Bernice Nguyen
Mayor Pro Tem - District 6

George S. Brietigam
Council Member - District 1

John R. O'Neill
Council Member - District 2

Diedre Thu-Ha Nguyen
Council Member - District 3

Patrick Phat Bui
Council Member - District 4

Stephanie Klopfenstein
Council Member - District 5

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Goff:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

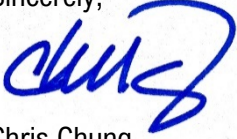
The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

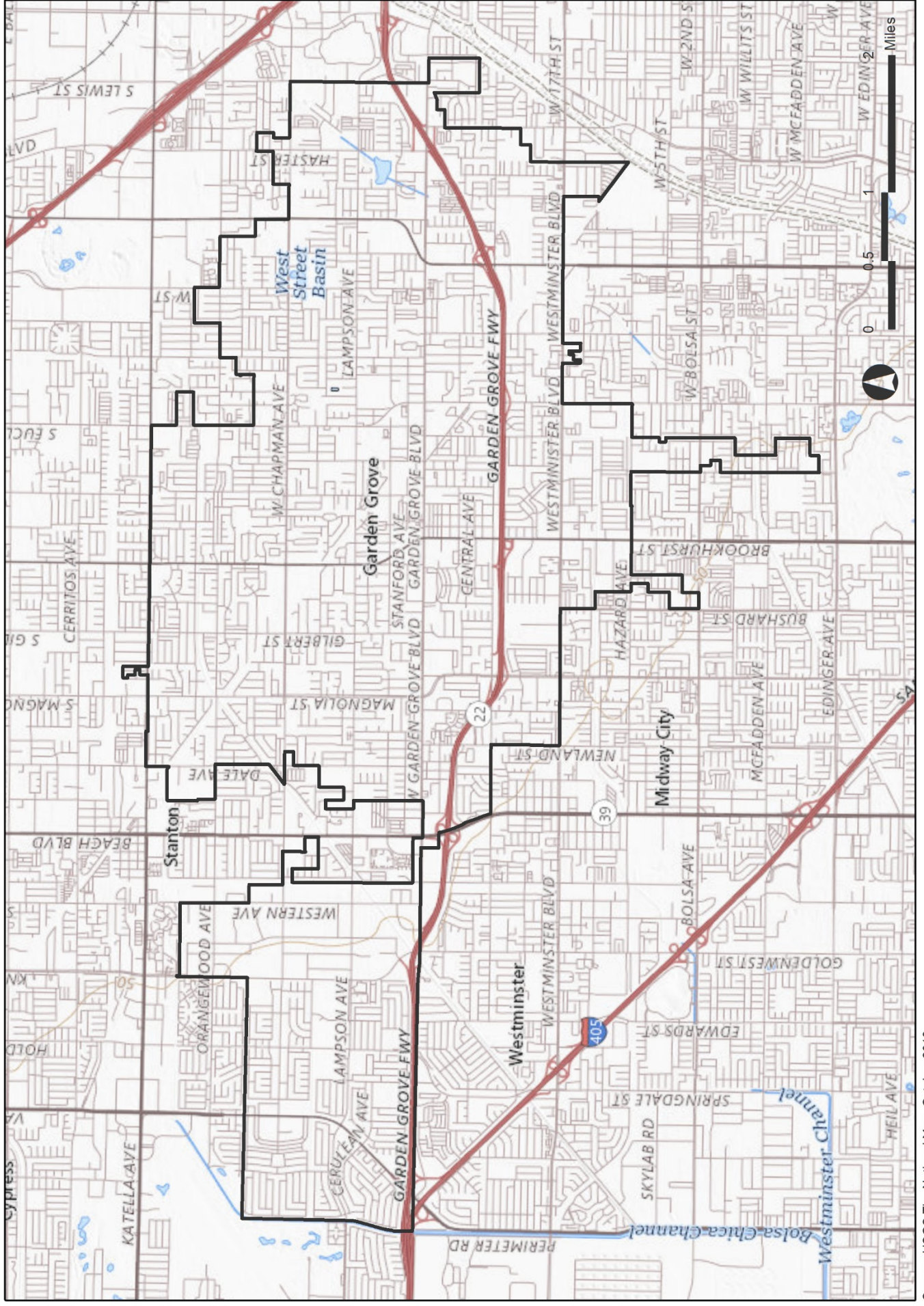
Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Chung", is positioned above the typed name.

Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Gabrielino Tongva Indians of California Tribal Council
Robert Dorame, Chairperson
P.O. Box 490
Bellflower, CA, 90707

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Dorame:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

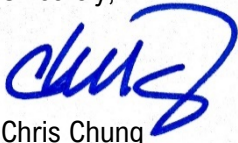
Stephanie Klopfenstein

Council Member - District 5

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

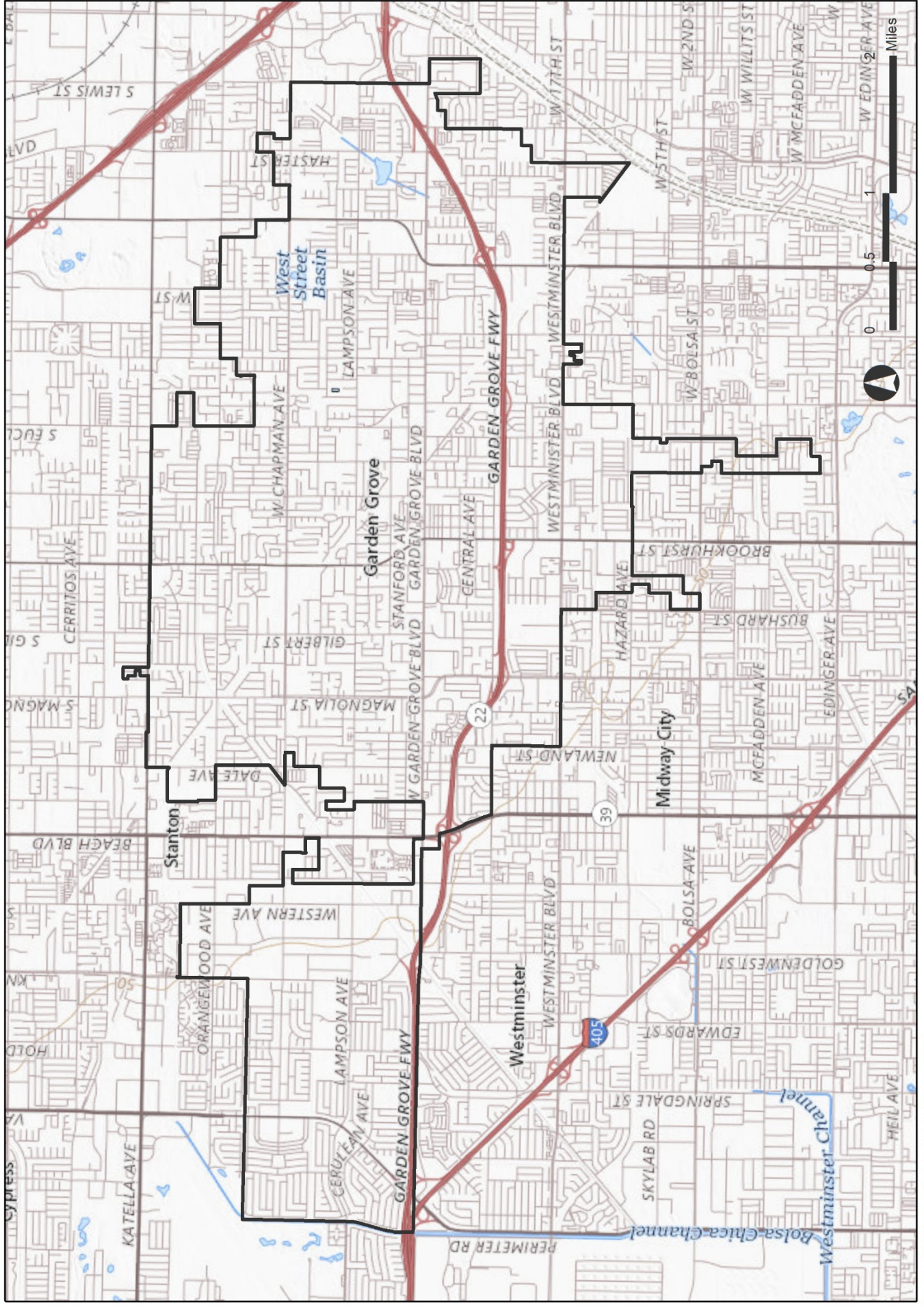
Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Chung", is written over a light gray rectangular background.

Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Ewiiapaayp Band of Kumeyaay Indians
Michael Garcia, Vice Chairperson
4054 Willows Road
Alpine, CA, 91901

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Garcia:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

The point of contact for the City is as follows:

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones
Mayor

Kim Bernice Nguyen
Mayor Pro Tem - District 6

George S. Brietigam
Council Member - District 1

John R. O'Neill
Council Member - District 2

Diedre Thu-Ha Nguyen
Council Member - District 3

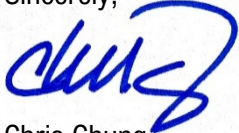
Patrick Phat Bui
Council Member - District 4

Stephanie Klopfenstein
Council Member - District 5

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

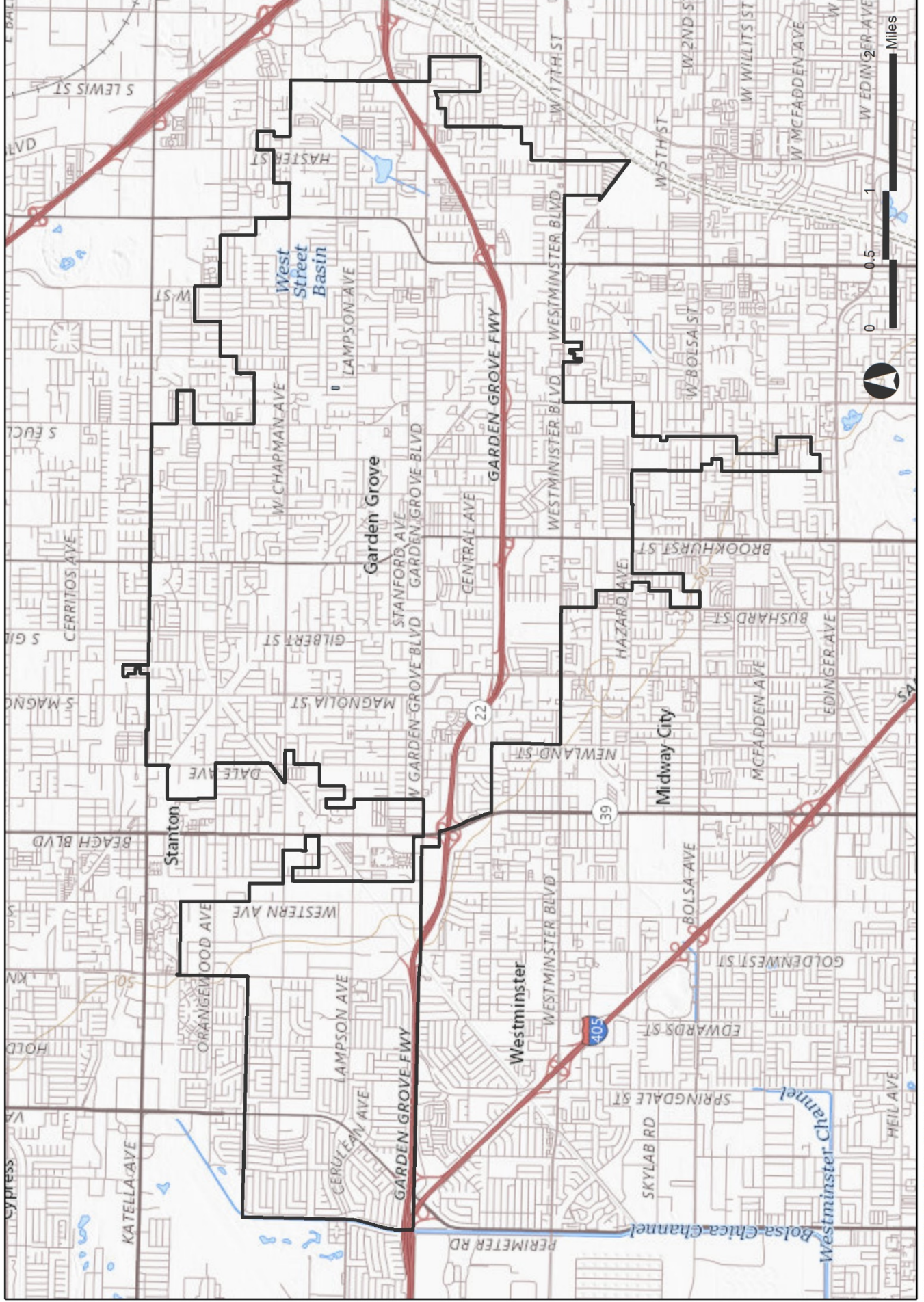
Sincerely,

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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Gabrielino-Tongva Tribe
Charles Alvarez,
23454 Vanowen Street
West Hills, CA, 91307

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Alvarez:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

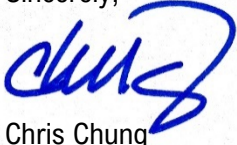
Stephanie Klopfenstein

Council Member - District 5

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

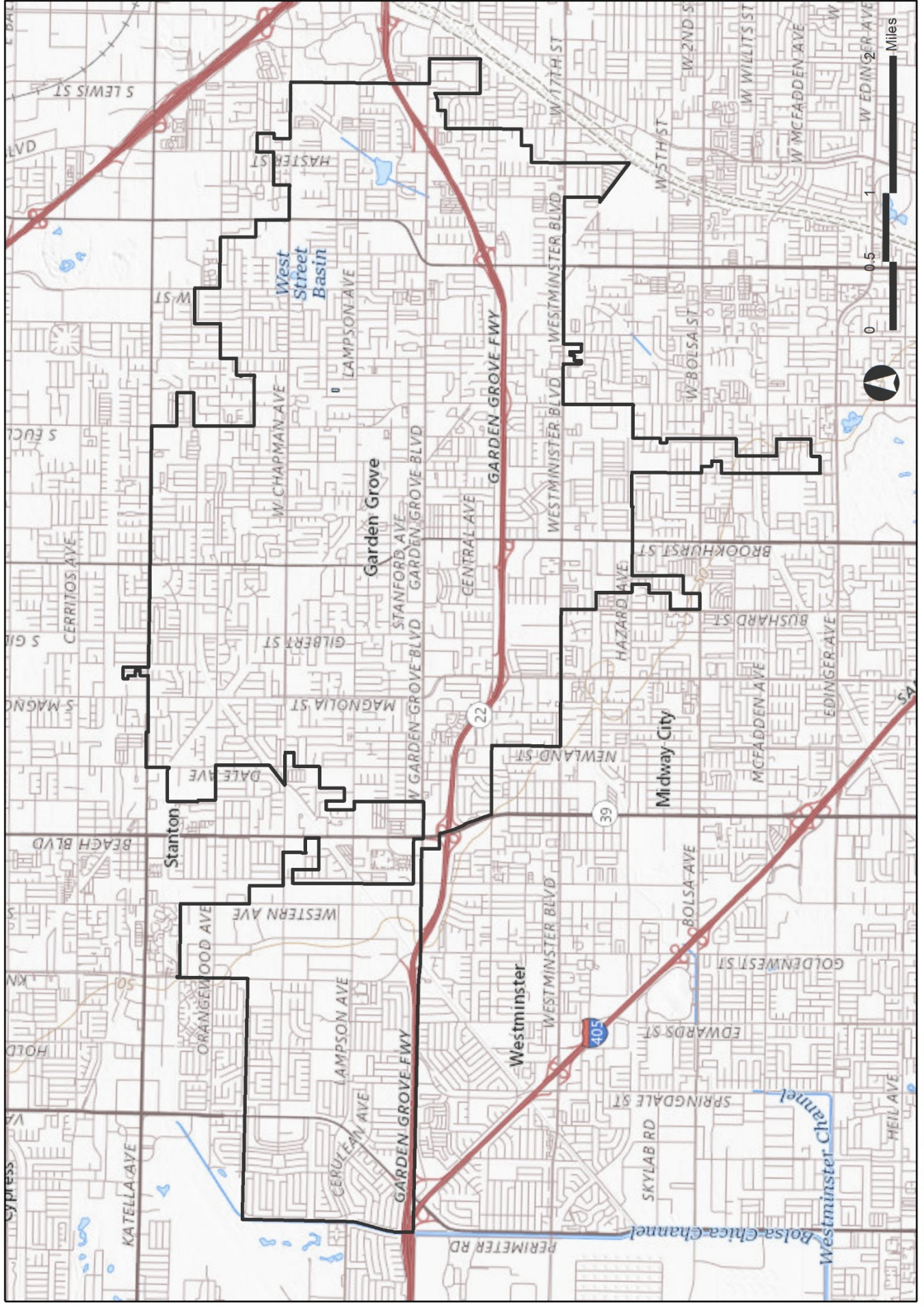
Sincerely,

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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Ewiiapaayp Band of Kumeyaay Indians
Robert Pinto, Chairperson
4054 Willows Road

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Pinto:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

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Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

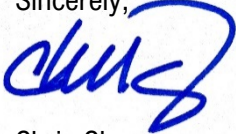
Stephanie Klopfenstein

Council Member - District 5

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

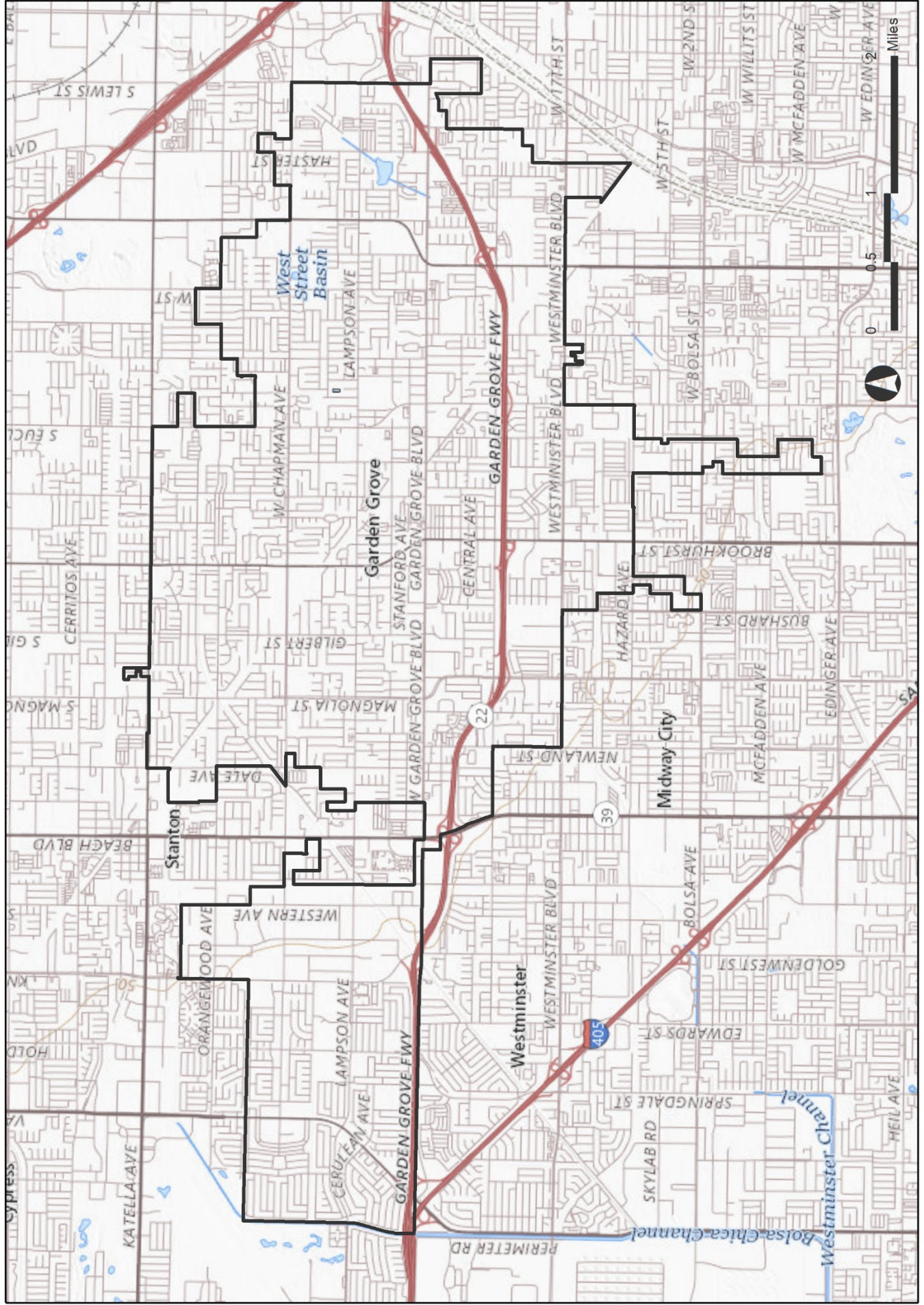
Sincerely,

A handwritten signature in blue ink, appearing to read 'Chris Chung', is written over a light grey rectangular background.

Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Juaneno Band of Mission Indians Acjachemen Nation - Belardes
Matias Belardes, Chairperson
32161 Avenida Los Amigos
San Juan Capistrano, CA, 92675

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Belardes:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones
Mayor

Kim Bernice Nguyen
Mayor Pro Tem - District 6

George S. Brietigam
Council Member - District 1

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Council Member - District 2

Diedre Thu-Ha Nguyen
Council Member - District 3

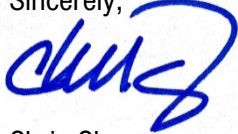
Patrick Phat Bui
Council Member - District 4

Stephanie Klopfenstein
Council Member - District 5

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

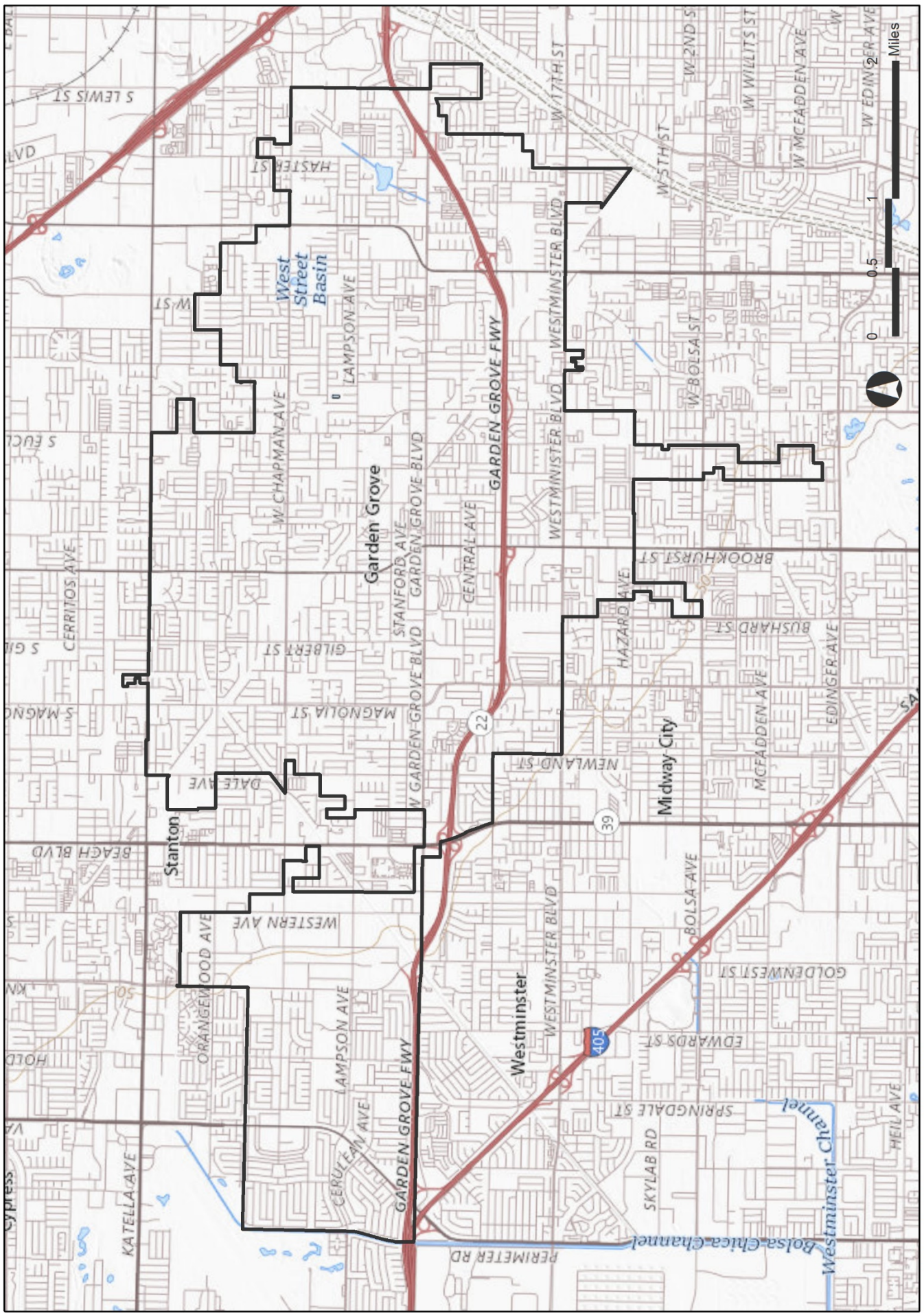
Sincerely,

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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

Stephanie Klopfenstein

Council Member - District 5

June 8, 2021

Gabrieleno Band of Mission Indians - Kizh Nation
Andrew Salas, Chairperson
P.O. Box 393
Covina, CA, 91723

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Salas:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

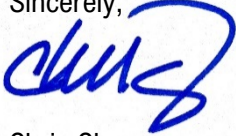
The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

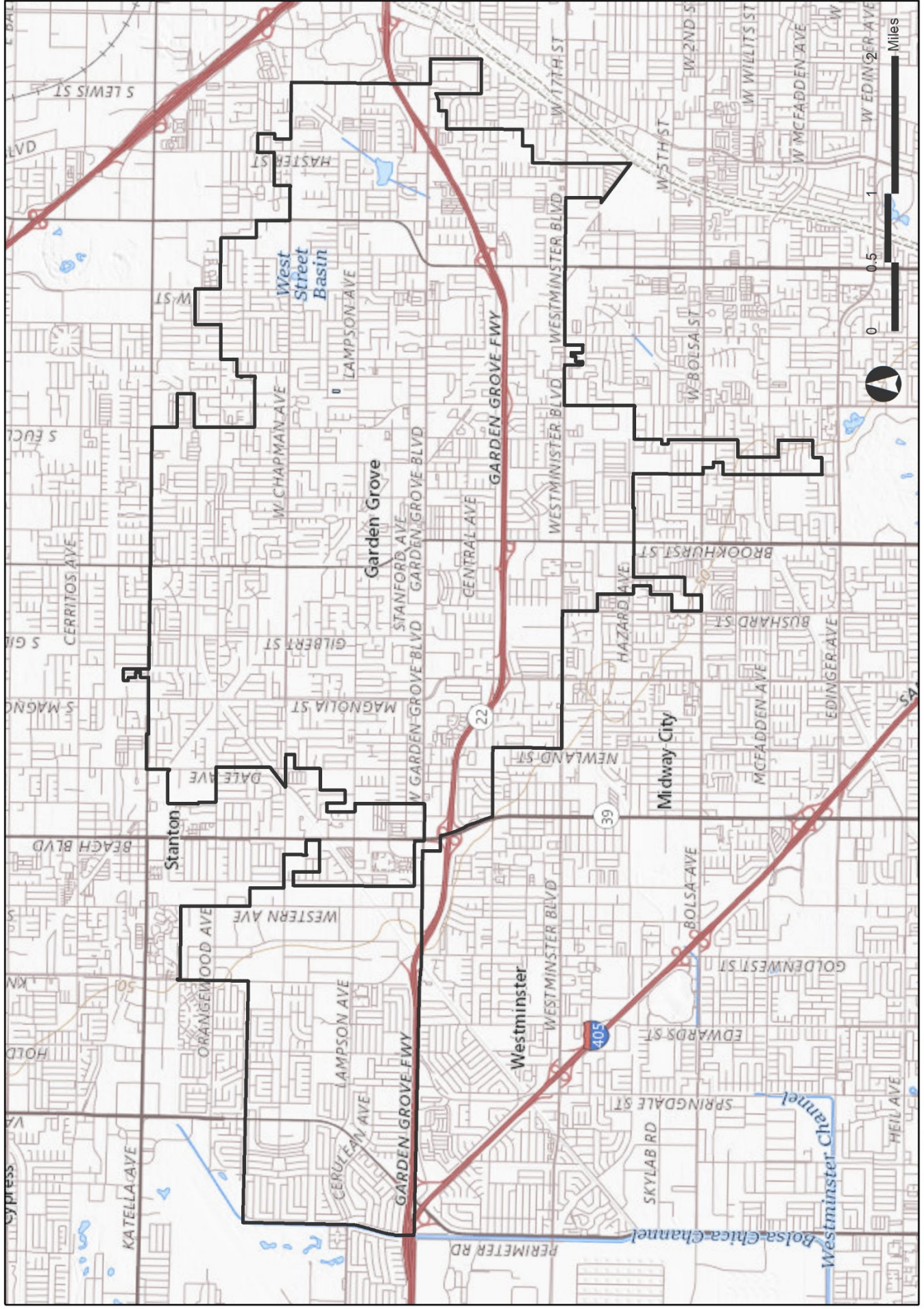
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

La Posta Band of Diegueno Mission Indians
Gwendolyn Parada, Chairperson
8 Crestwood Road
Boulevard, CA, 91905

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Ms. Parada:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

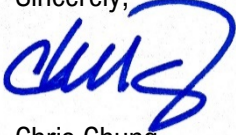
Stephanie Klopfenstein

Council Member - District 5

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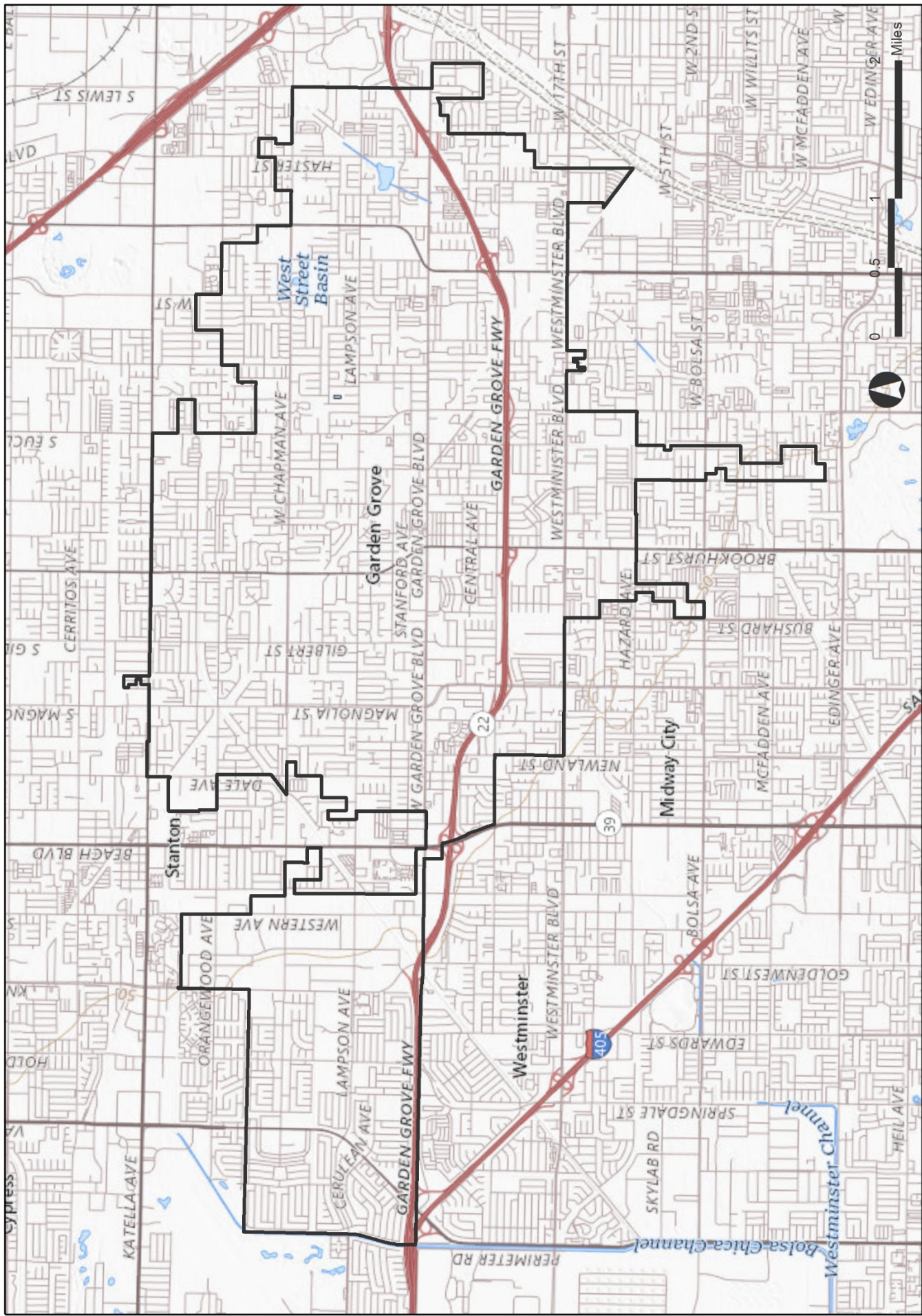
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area



Source: USGS The National Map, October 2018.



CITY OF GARDEN GROVE

June 8, 2021

Gabrieleno/Tongva San Gabriel Band of Mission Indians
Anthony Morales, Chairperson
P.O. Box 693
San Gabriel, CA, 91778

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Morales:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

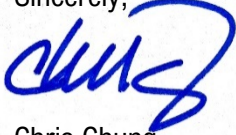
Stephanie Klopfenstein

Council Member - District 5

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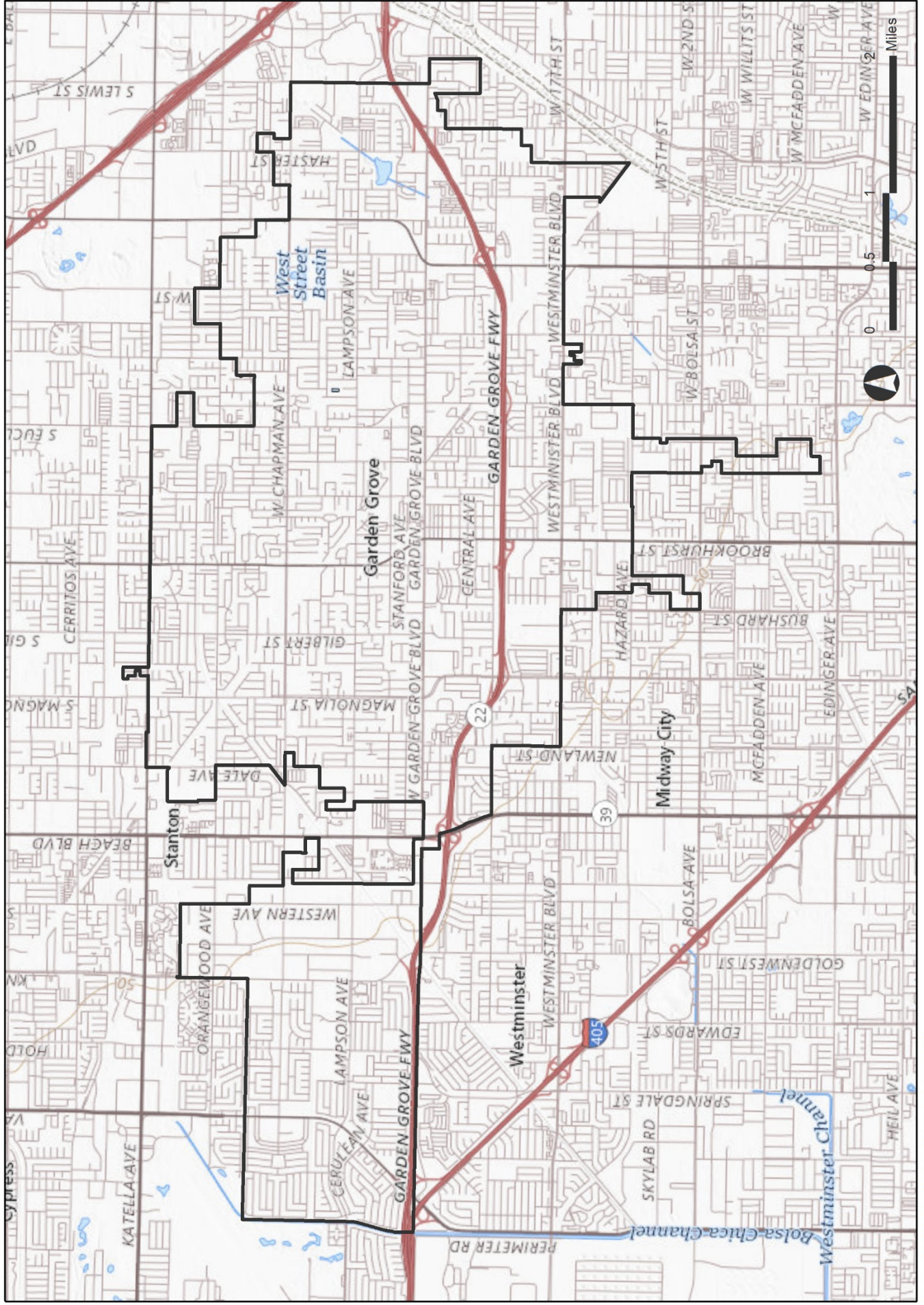
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

La Posta Band of Diegueno Mission Indians
Javaughn Miller, Tribal Administrator
8 Crestwood Road
Boulevard, CA, 91905

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Miller:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

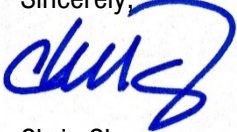
Stephanie Klopfenstein

Council Member - District 5

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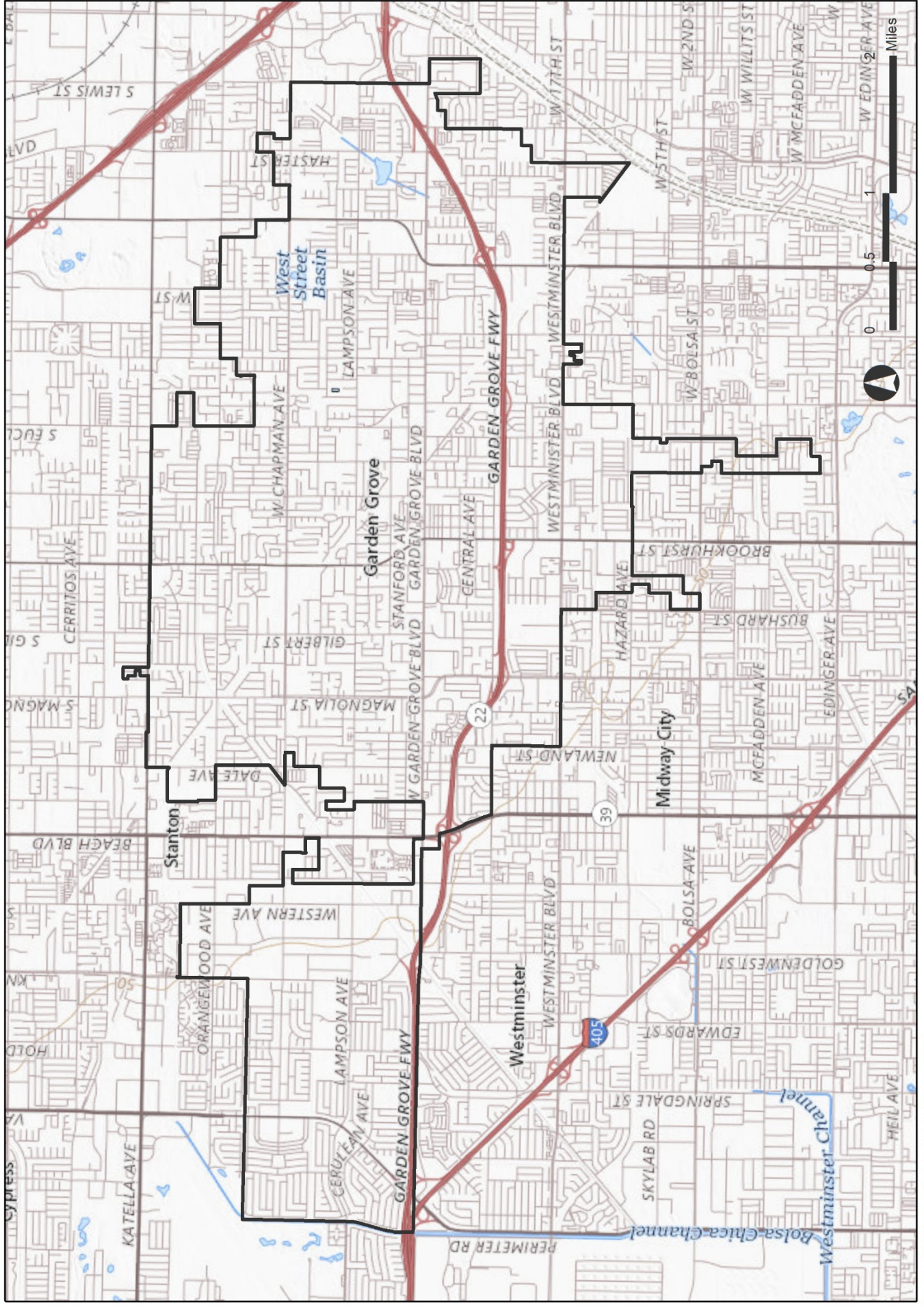
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Gabrielino /Tongva Nation
Sandonne Goad, Chairperson
106 1/2 Judge John Aiso St., #231
Los Angeles, CA, 90012

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Ms. Goad:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

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Council Member - District 3

Patrick Phat Bui

Council Member - District 4

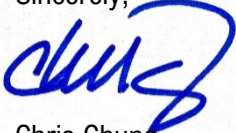
Stephanie Klopfenstein

Council Member - District 5

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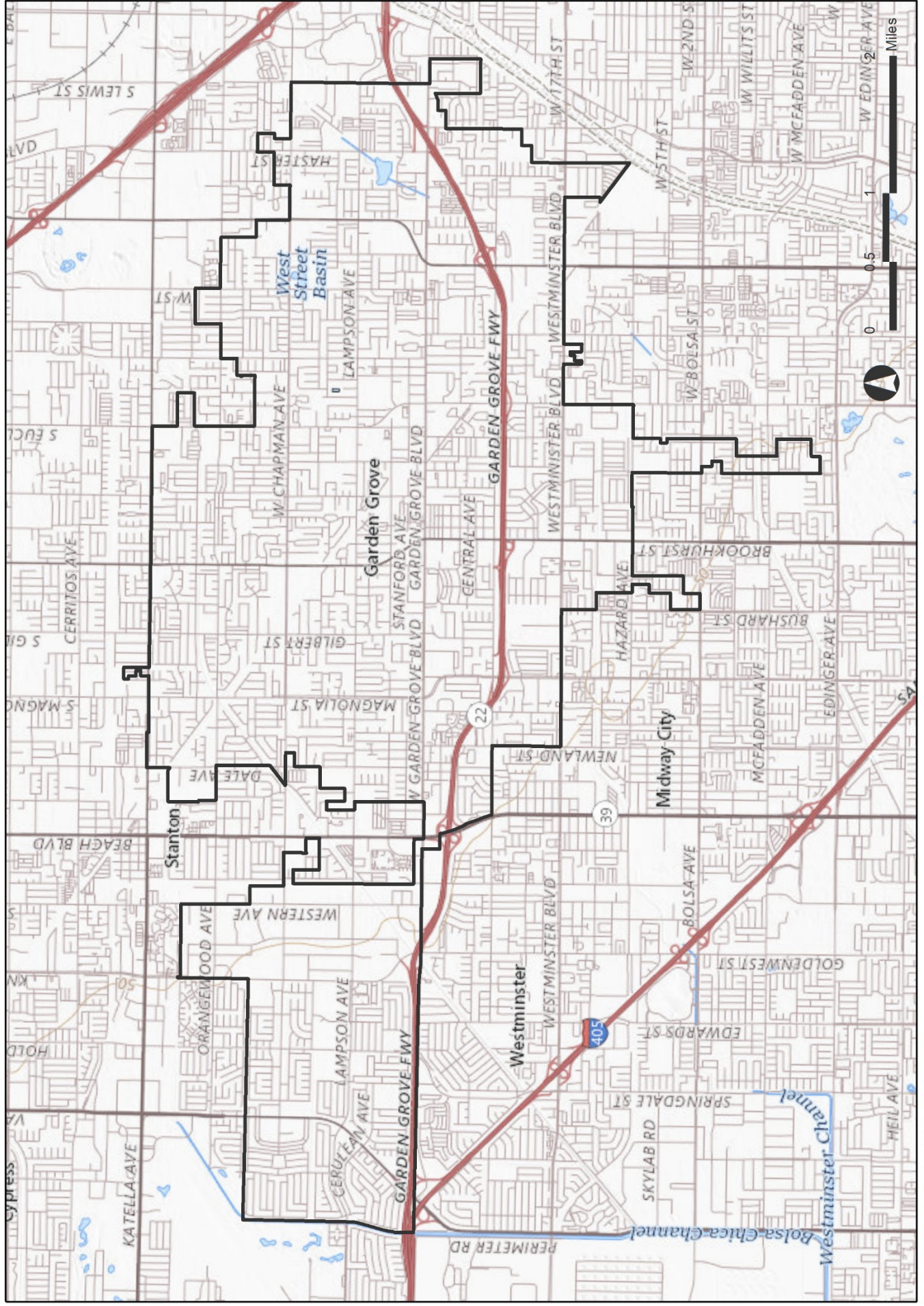
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area



Source: USGS The National Map, October 2018.



CITY OF GARDEN GROVE

June 8, 2021

Manzanita Band of Kumeyaay Nation
Angela Elliott Santos, Chairperson
P.O. Box 1302
Boulevard, CA, 91905

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Santos:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones
Mayor

Kim Bernice Nguyen
Mayor Pro Tem - District 6

George S. Brietigam
Council Member - District 1

John R. O'Neill
Council Member - District 2

Diedre Thu-Ha Nguyen
Council Member - District 3

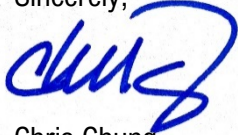
Patrick Phat Bui
Council Member - District 4

Stephanie Klopfenstein
Council Member - District 5

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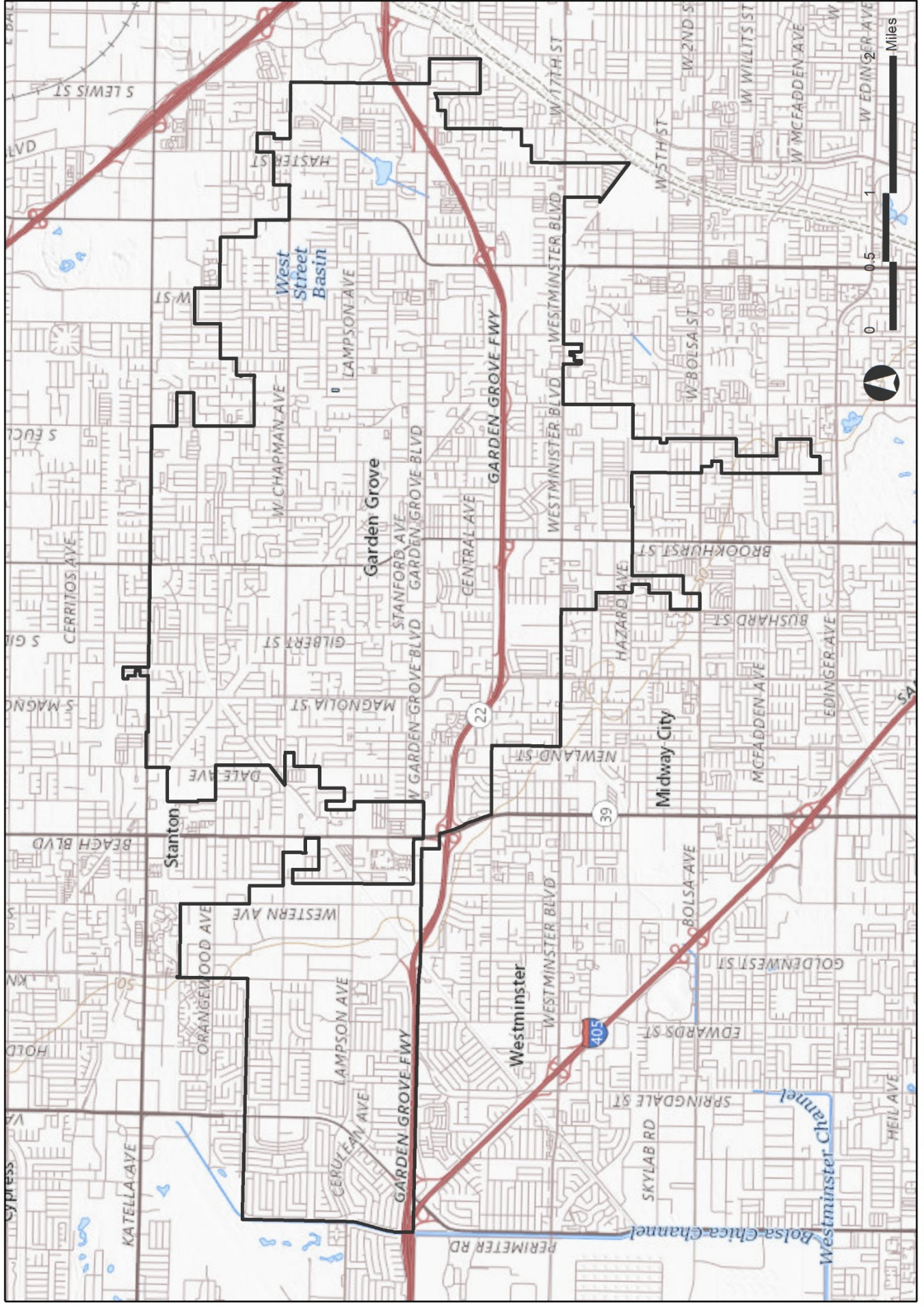
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Sycuan Band of the Kumeyaay Nation
Cody Martinez, Chairperson
1 Kwaaypaay Court
El Cajon, CA, 92019

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Martinez:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

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11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

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Council Member - District 3

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Council Member - District 4

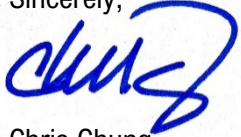
Stephanie Klopfenstein

Council Member - District 5

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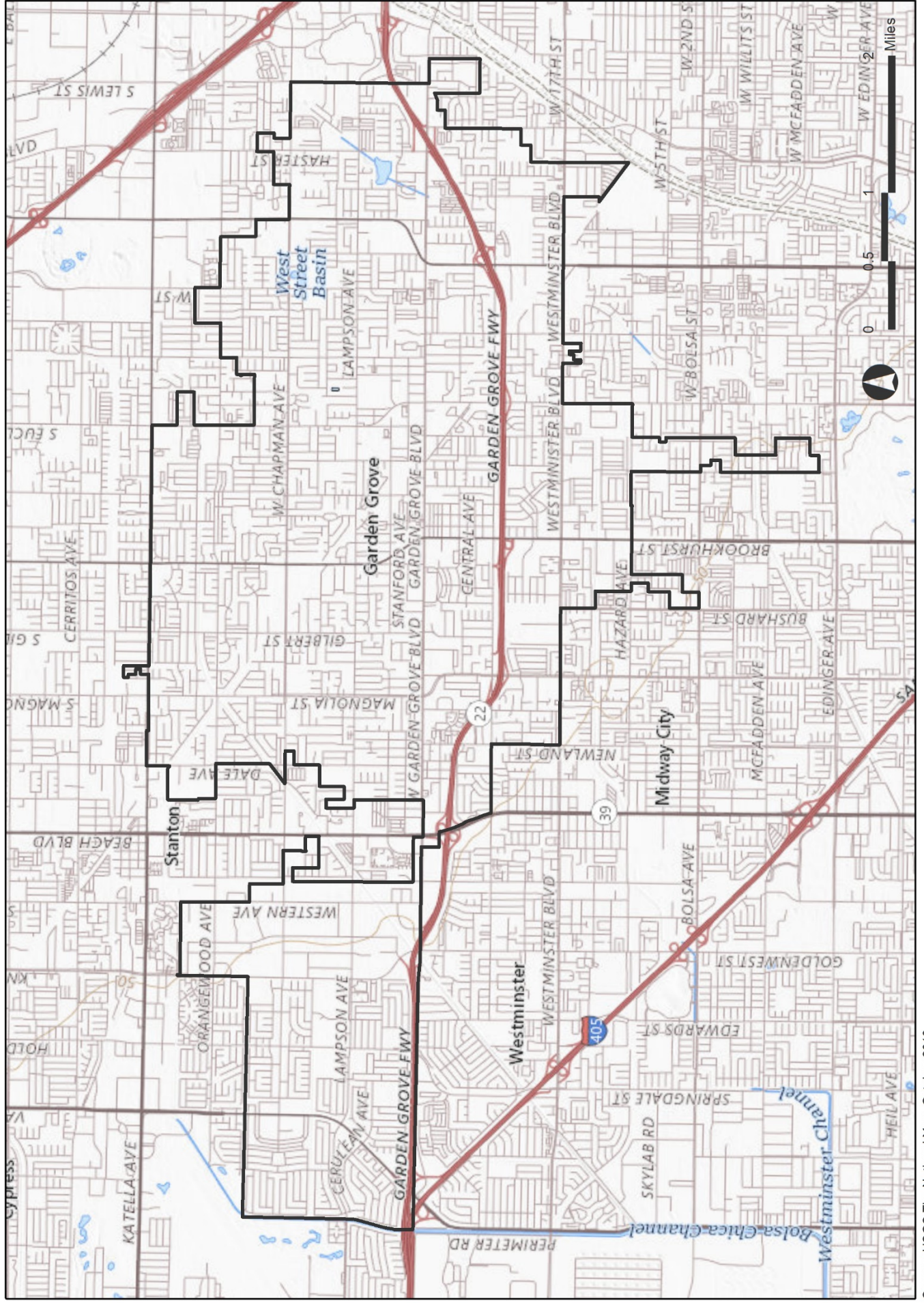
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area



Source: USGS The National Map, October 2018.



CITY OF GARDEN GROVE

June 8, 2021

Mesa Grande Band of Diegueno Mission Indians
Michael Linton, Chairperson
P.O. Box 270
Santa Ysabel, CA, 92070

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Linton:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

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11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

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Council Member - District 2

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Council Member - District 3

Patrick Phat Bui

Council Member - District 4

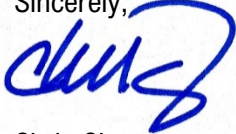
Stephanie Klopfenstein

Council Member - District 5

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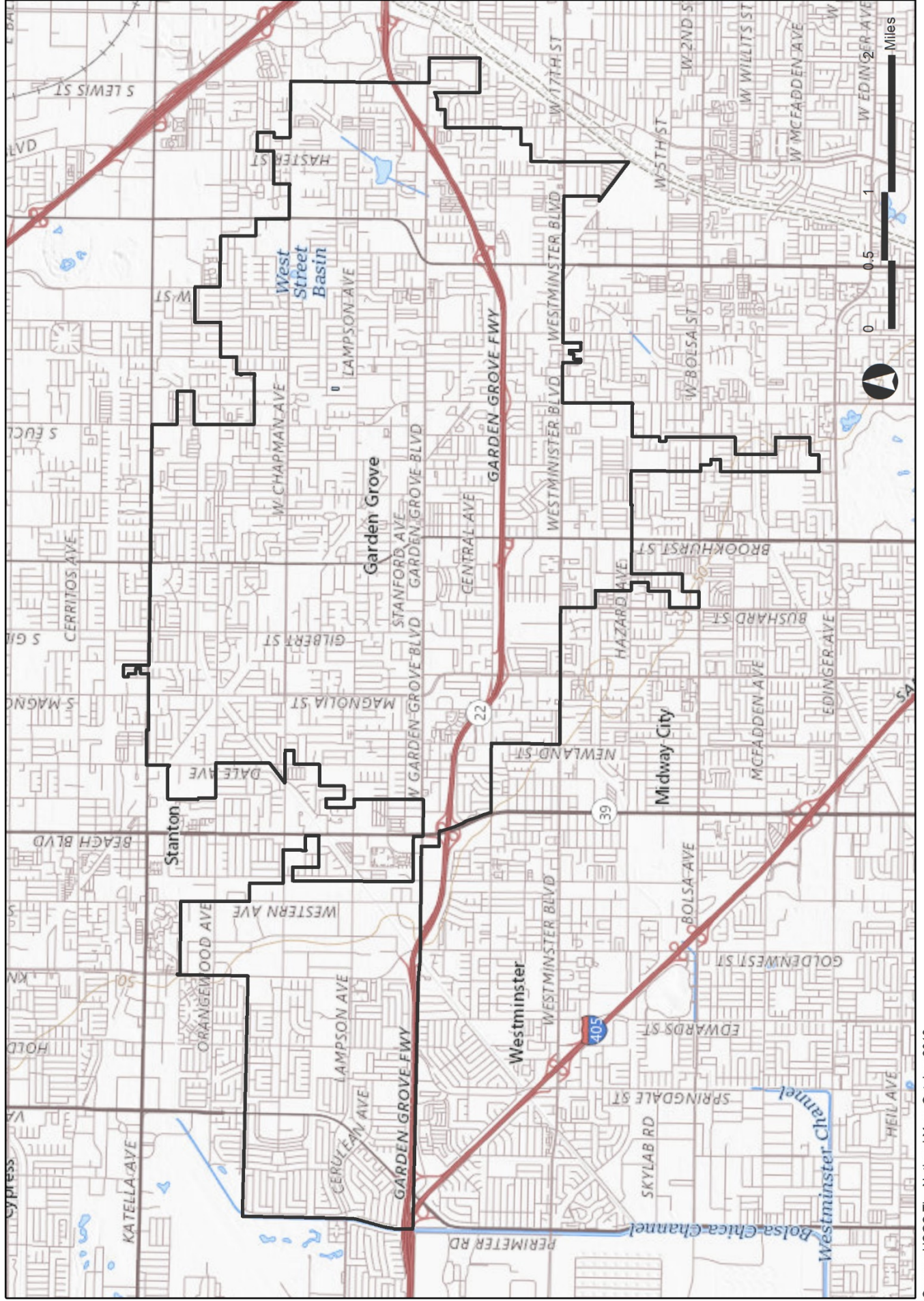
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Pala Band of Mission Indians
Shasta Gaughen, Tribal Historic Preservation Officer, PMB 50,
35008 Pala Temecula Rd.
Pala, CA, 92059

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Ms. Gaughen:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

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City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

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Council Member - District 3

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Council Member - District 4

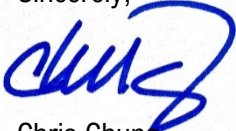
Stephanie Klopfenstein

Council Member - District 5

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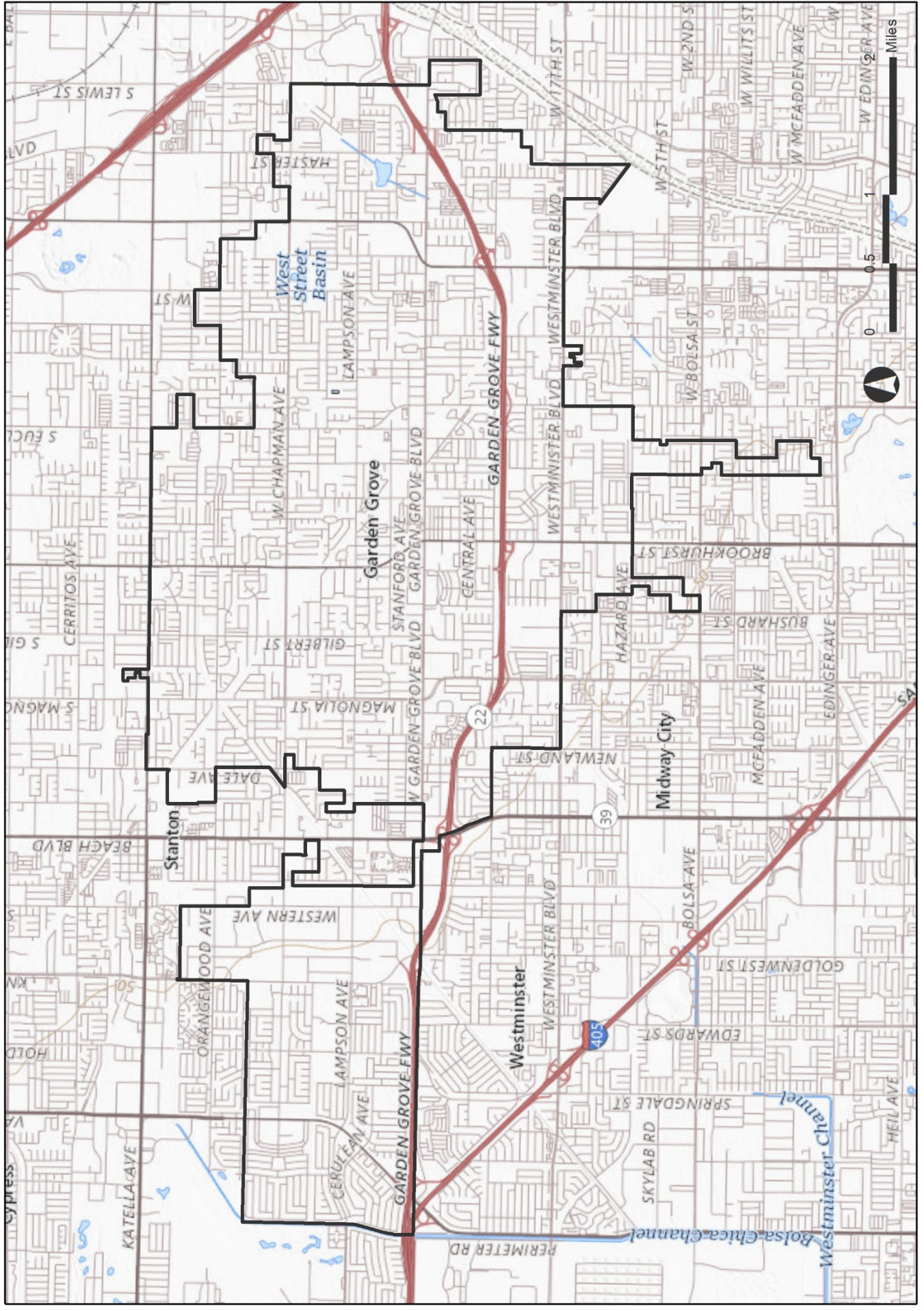
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Santa Rosa Band of Cahuilla Indians
Lovina Redner, Tribal Chair
P.O. Box 391820
Anza, CA, 92539

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Ms. Redner:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

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The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

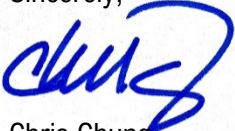
Stephanie Klopfenstein

Council Member - District 5

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

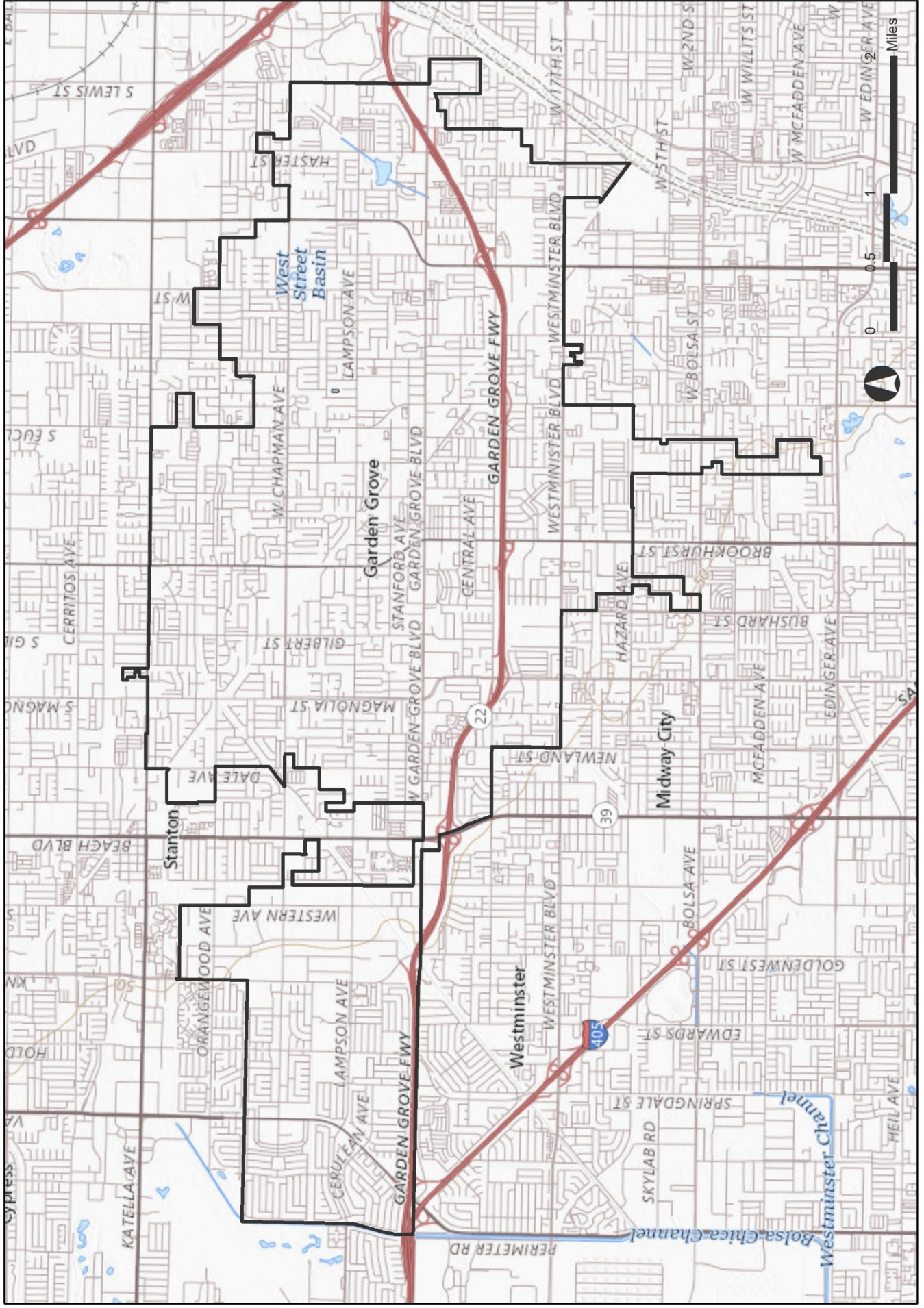
Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Chung", is positioned above the printed name.

Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Soboba Band of Luiseno Indians
Isaiah Vivanco, Chairperson
P. O. Box 487
San Jacinto, CA, 92581

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Vivanco:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

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Council Member - District 3

Patrick Phat Bui

Council Member - District 4

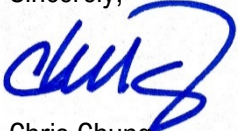
Stephanie Klopfenstein

Council Member - District 5

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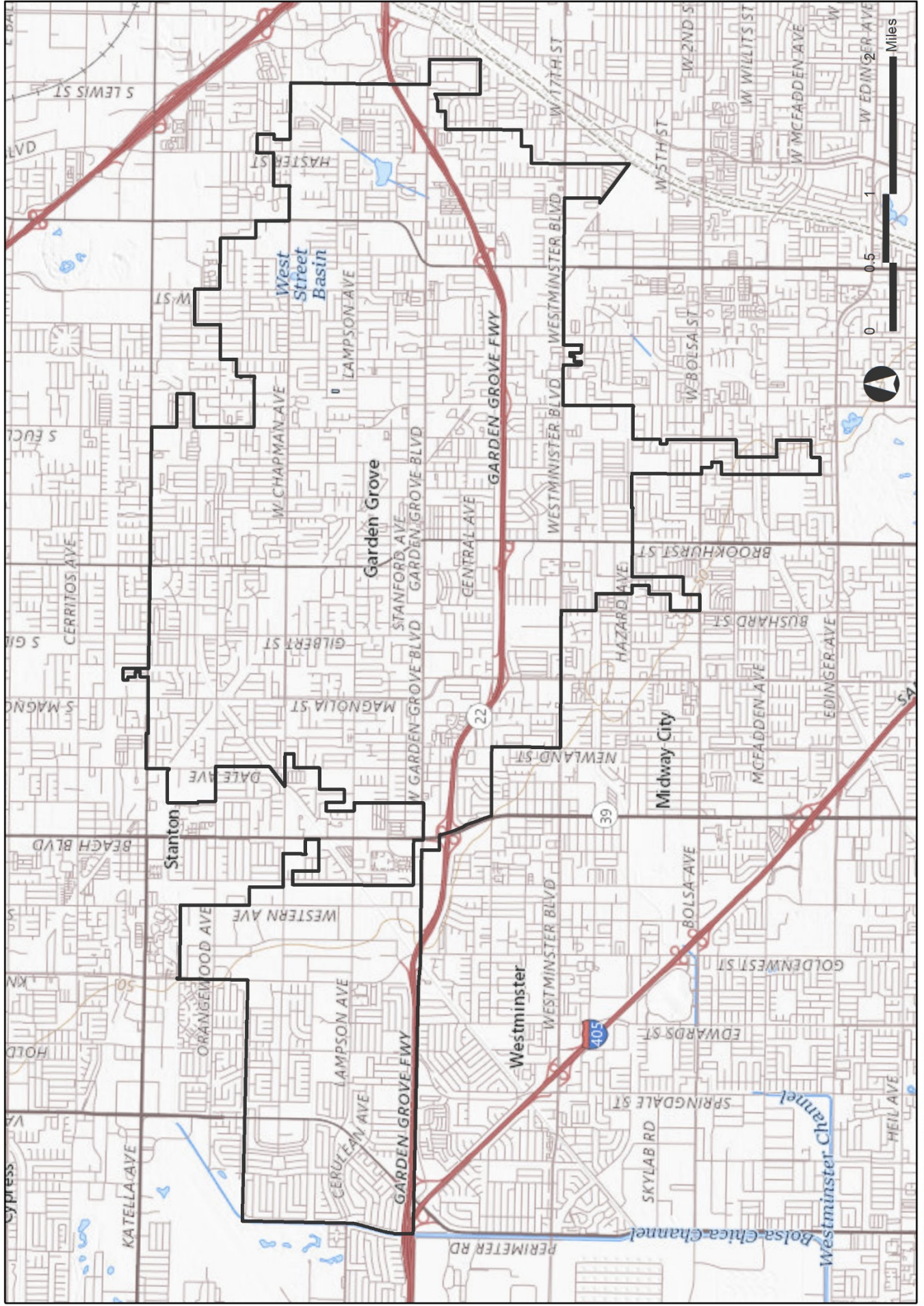
Sincerely,

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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Joseph Ontiveros
Cultural Resource Director
Soboba Band of Luiseno Indians
PO BOX 487
San Jacinto, CA 92581

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

Stephanie Klopfenstein

Council Member - District 5

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Ontiveros:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

Your tribal group is invited to contact the City and participate in AB 52/SB 18 consultation with the City pertaining to the Proposed Project. Please consider this letter and project map information as the formal notification of the Proposed Project.

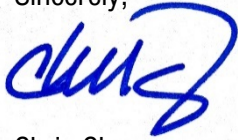
The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

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Thank you for your involvement in this process and your attention to this matter.

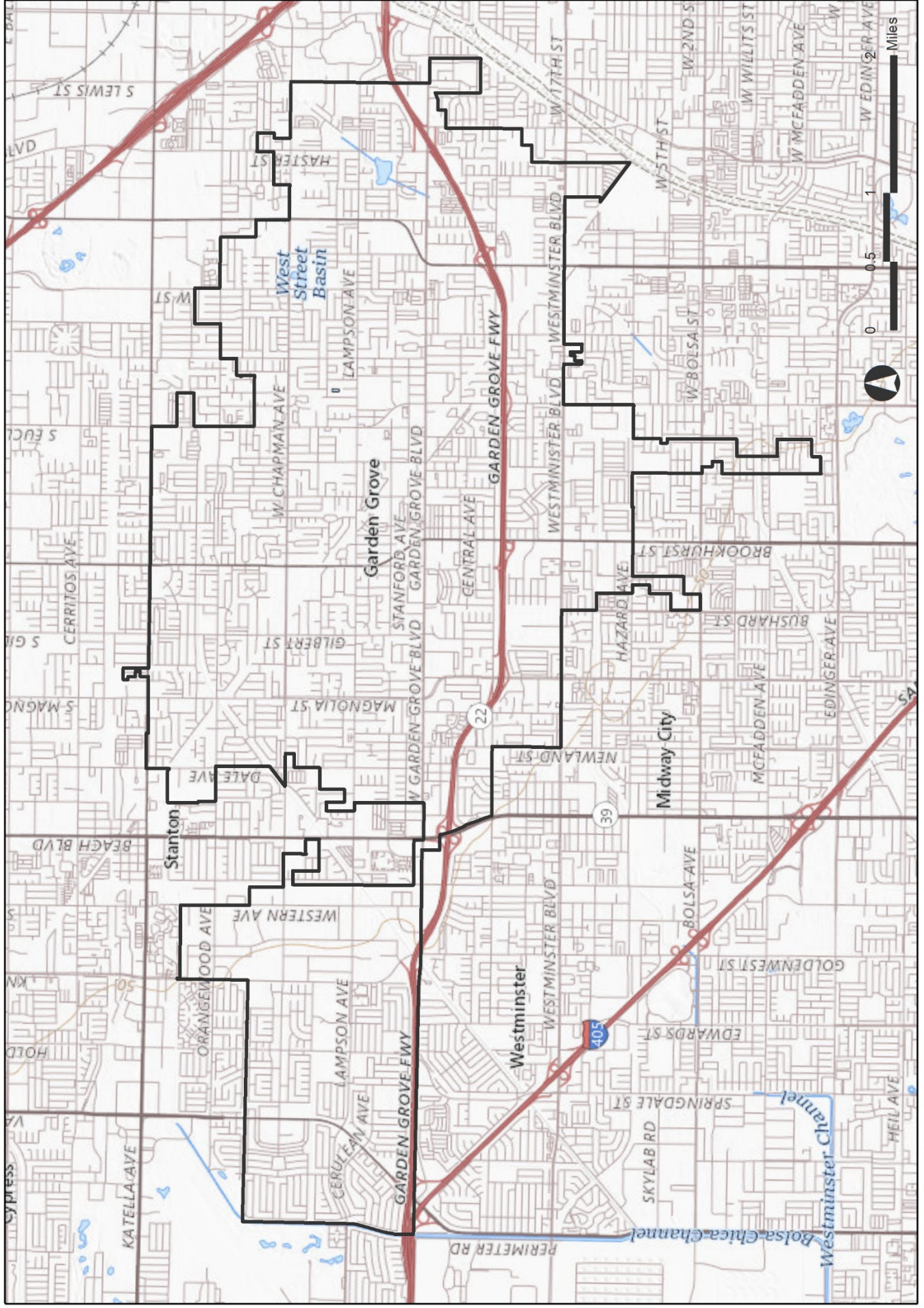
Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Chung", is written over a light blue circular stamp.

Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Michael Mirelez
Cultural Resource Coordinator
Torres Martinez Desert Cahuilla Indians
P.O. Box 1160
Thermal, CA 92274

Steve Jones
Mayor

Kim Bernice Nguyen
Mayor Pro Tem - District 6

George S. Brietigam
Council Member - District 1

John R. O'Neill
Council Member - District 2

Diedre Thu-Ha Nguyen
Council Member - District 3

Patrick Phat Bui
Council Member - District 4

Stephanie Klopfenstein
Council Member - District 5

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Mirelez:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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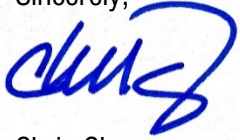
The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

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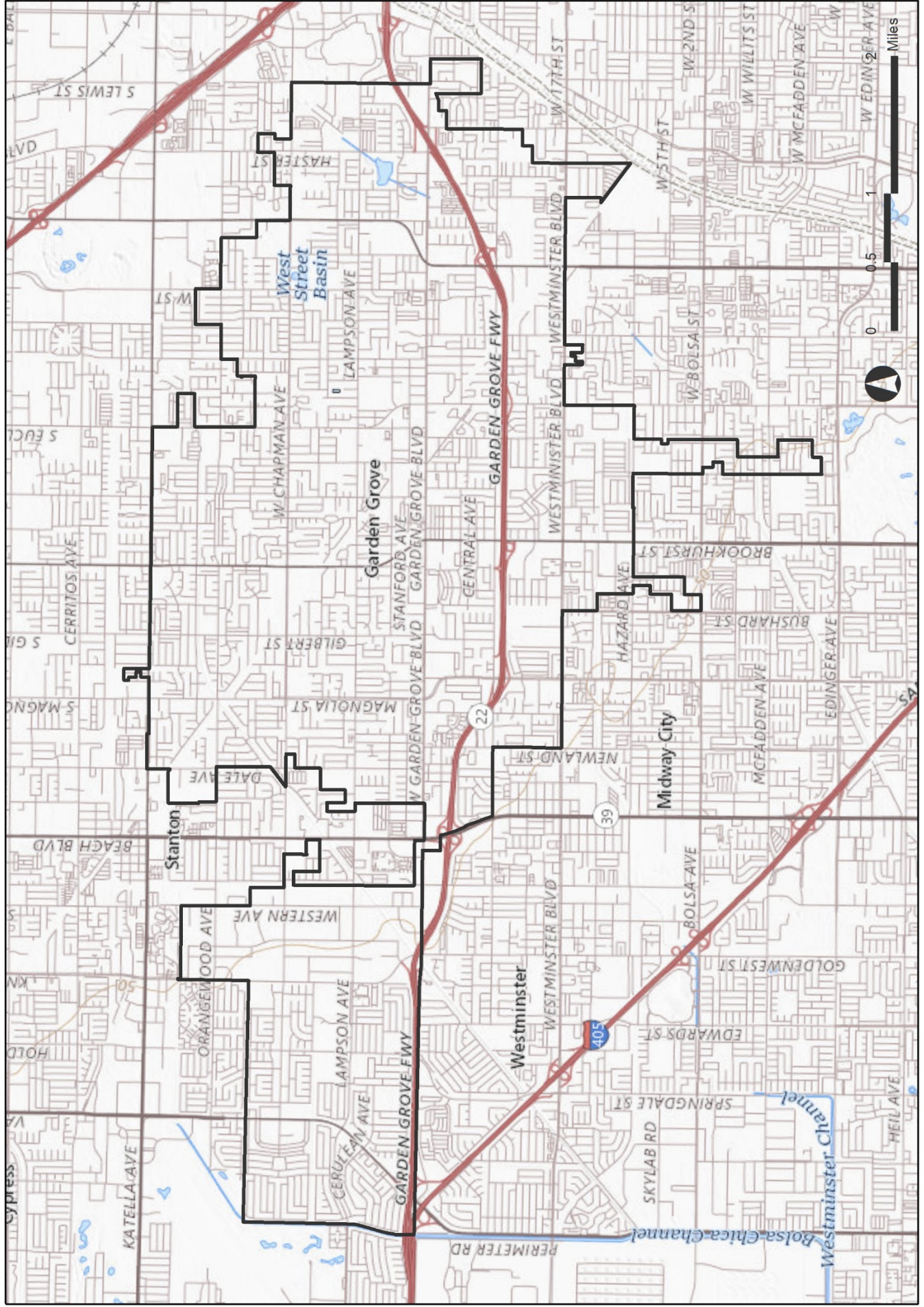
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Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area





CITY OF GARDEN GROVE

June 8, 2021

Christopher "Walking Thunder" Granado
Director of Native American Monitoring
Four Directions Education
Juaneno Band of Mission Indians- Acjachemen Nation
26671 Paseo Tecate
San Juan Capistrano, CA 92675

Steve Jones

Mayor

Kim Bernice Nguyen

Mayor Pro Tem - District 6

George S. Brietigam

Council Member - District 1

John R. O'Neill

Council Member - District 2

Diedre Thu-Ha Nguyen

Council Member - District 3

Patrick Phat Bui

Council Member - District 4

Stephanie Klopfenstein

Council Member - District 5

Subject: Opportunity for Consultation/Tribal Consultation Notification Pursuant to Assembly Bill 52 and Senate Bill 18: City of Garden Focused General Plan Update and Zoning Code Amendment; City of Garden Grove, County of Orange, California

Dear Mr. Granado:

This letter is to notify you that the City of Garden Grove is preparing a focused General Plan Update and Zoning Code Amendment. The project scope is limited to land within City of Garden Grove incorporated city limits (see attached map) in Orange County, California.

The Proposed Project involves an update to the Land Use Element, Safety Element, and the 2021-2029 Housing Element. It also includes the preparation of a new Environmental Justice Element and amendments to the Zoning Code (Title 9 Land Use) to ensure consistency with revisions to the Land Use Element. The proposed Housing Element Update establishes programs, policies, and actions to generally further the goal of meeting the existing and projected housing needs of all family income levels of the community, and specifically to provide evidence of the City's ability to accommodate the Regional Housing Needs Assessment (RHNA) allocation. The project includes an update to the Safety Element to address climate change vulnerability and resiliency. The new Environmental Justice Element focuses on addressing community needs and pollution burden challenges citywide and within disadvantaged communities.

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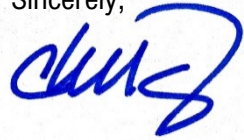
The point of contact for the City is as follows:

Chris Chung, Urban Planner
City of Garden Grove, Community Development Department
11222 Acacia Parkway, P.O. Box 3070
Garden Grove, California 92840
714-741-5312 | chrisc@ggcity.org

The City would appreciate receiving any comments, information, or questions you may have regarding cultural places within Garden Grove. All information provided will be kept confidential.

Thank you for your involvement in this process and your attention to this matter.

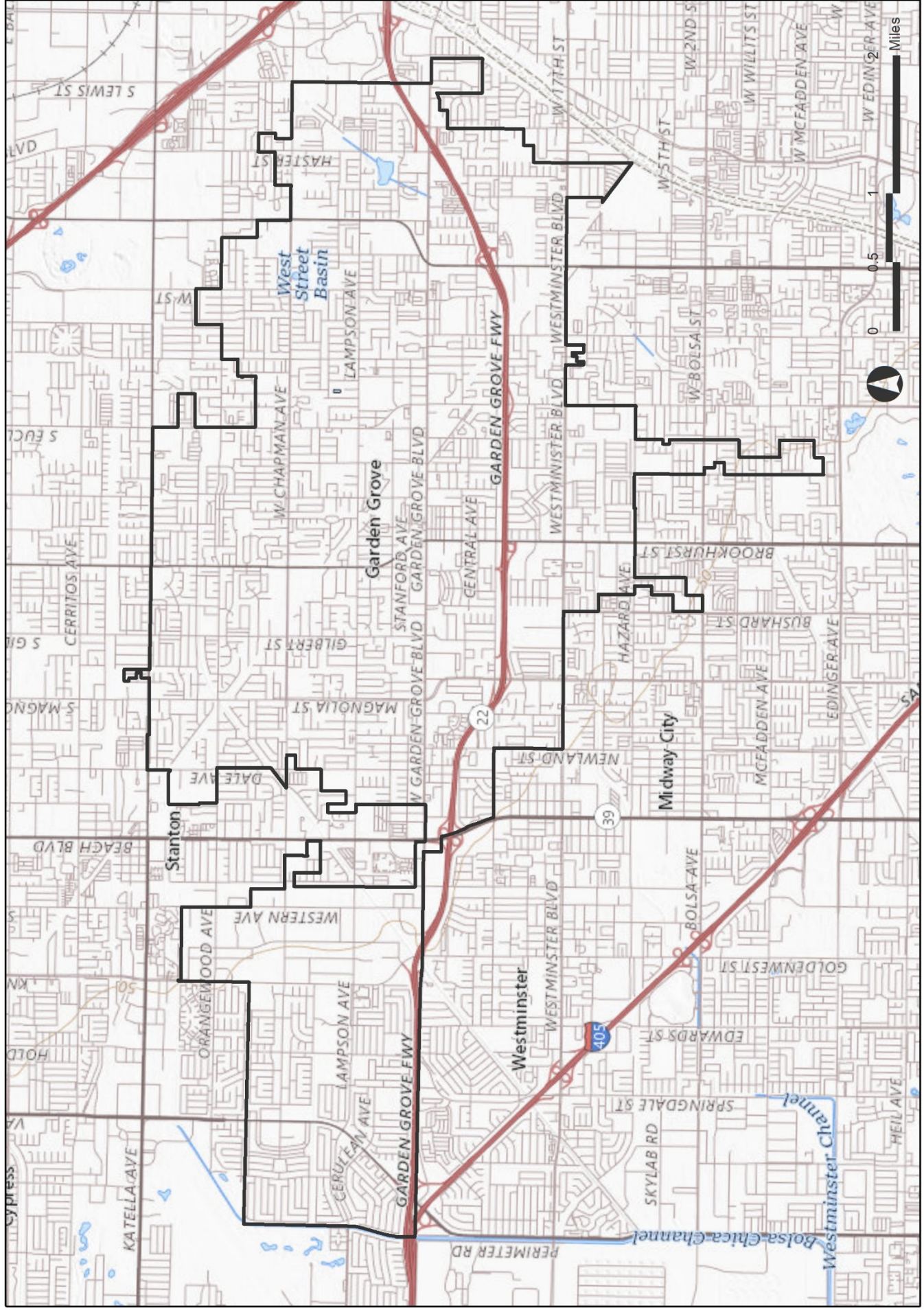
Sincerely,

A handwritten signature in blue ink, appearing to read "Chris Chung", is positioned below the word "Sincerely,".

Chris Chung
Urban Planner

Enclosure: City of Garden Grove Planning Area Map (Exhibit A)

Exhibit A: City of Garden Grove Planning Area



Source: USGS The National Map, October 2018.

Zimbra

chrisc@ci.garden-grove.ca.us

Re: City of Gardena Focused General Plan Update/ 2021-2029 Housing Element

From : Gabrieleno Administration
<admin@gabrielenoindians.org>

Tue, Jun 22, 2021 01:02 PM

Subject : Re: City of Gardena Focused General Plan Update/ 2021-2029 Housing Element**To :** Chris Chung <chrisc@ggcity.org>

Thank you Chris. We ask that you please notify us in the future when development will be taking place.

Thank you
Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723
Office: 844-390-0787
website: www.gabrielenoindians.org



The region where Gabrieleño culture thrived for more than eight centuries encompassed most of Los Angeles County, more than half of *Orange County and portions of Riverside and San Bernardino counties*. It was the labor of the Gabrieleño who built the missions, ranchos and the pueblos of Los Angeles. They were trained in the trades, and they did the construction and maintenance, as well as *the farming and managing of herds of livestock*. *“The Gabrieleño are the ones who did all this work, and they really are the foundation of the early economy of the Los Angeles area “ . “That’s a contribution that Los Angeles has not recognized--the fact that in its early decades, without the Gabrieleño, the community simply would not have survived.”*

On Mon, Jun 21, 2021 at 9:13 AM Chris Chung <chrisc@ggcity.org> wrote:

Good morning,

The project scope involves an update to the City's Housing Element and associated focused updates to respective elements of the General Plan (i.e., Safety Element and Land Use Element), including preparation of the Environmental Justice Element.

There are no specific projects associated that currently involve development/redevelopment of a site with new housing. If and when, in the future, a project is proposed by an applicant to develop/redevelop a site with new housing, the appropriate review and notifications, as necessary, will be provided.

Best Regards,

CHRIS CHUNG**Urban Planner**

City of Garden Grove | Planning Services Division
(714) 741-5314

chrisc@ggcity.org

From: "Administration Gabrieleno" <admin@gabrielenoindians.org>
To: "chrisc" <chrisc@ggcity.org>
Sent: Friday, June 18, 2021 12:49:45 PM
Subject: City of Gardena Focused General Plan Update/ 2021-2029 Housing Element

Hello Chris Chung,
Thank you for your letter dated June 8,2021. Will there be any ground disturbance taking place on the project above or is this just a general plan update?

Admin Specialist
Gabrieleno Band of Mission Indians - Kizh Nation
PO Box 393
Covina, CA 91723
Office: 844-390-0787
website: www.gabrielenoindians.org



The region where Gabrieleño culture thrived for more than eight centuries encompassed most of Los Angeles County, more than half of *Orange County and portions of Riverside and San Bernardino counties*. It was the labor of the Gabrieleño who built the missions, ranchos and the pueblos of Los Angeles. They were trained in the trades, and they did the construction and maintenance, as well as *the farming and managing of herds of livestock*. *“The Gabrieleño are the ones who did all this work, and they really are the foundation of the early economy of the Los Angeles area “*. *“That’s a contribution that Los Angeles has not recognized--the fact that in its early decades, without the Gabrieleño, the community simply would not have survived.”*

Garden Grove Focused General Plan Update and Zoning Amendments Public Review Draft Initial Study

Lead Agency:

City of Garden Grove
Planning Services Division
11222 Acacia Parkway
Garden Grove, California 92840



Consultant to the City:

MIG, Inc.
1650 Spruce Street, Suite 106
Riverside, California 92507
www.migcom.com



June 30, 2021

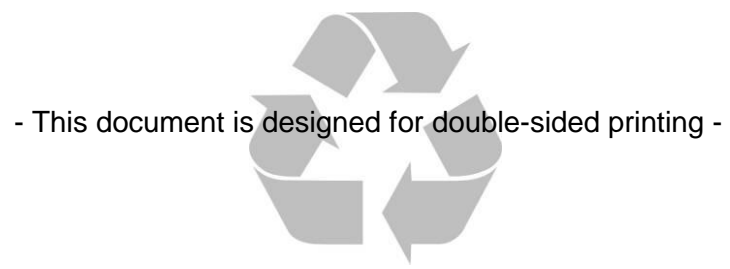


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1 Introduction

Every city and county in California are required to have a general plan that functions as a comprehensive, long-range policy document. For cities, the general plan guides the physical development of the incorporated city (e.g., city limit) and any land outside city boundaries (e.g., unincorporated sphere of influence area) that has a relationship to the city's future growth and development. In the case of the City of Garden Grove there is no unincorporated sphere of influence. The City of Garden Grove's General Plan was last updated in 2008, and the City is proposing to amend three existing General Plan elements (Housing Element, Land Use Element, and Safety Element), and create a new Environmental Justice Element.¹

The Focused General Plan Update ("Focused GPU") and Zoning Code Amendments (collectively, the "Project") will be prepared in compliance with California Government Code Section 65300 et seq. Every city and county in California are required to have a general plan that functions as a comprehensive, long--range policy document. For cities, the general plan guides the physical development of the City. but within the city's.

The California Environmental Quality Act (CEQA) is a statewide environmental law contained in Public Resources Code §§ 21000-21177. The Project is required to undergo an initial environmental review pursuant to CEQA Guidelines § 15063. This Initial Study (IS) is an analysis prepared under the supervision of the City of Garden Grove Community and Economic Development Department, Planning Services Division, acting in its capacity as the CEQA Lead Agency.

The results of the analysis in this Initial Study will be used to inform the preparation of a Program Environmental Impact Report (EIR) for the Project. The Program EIR will be used by the Lead Agency to evaluate the potential environmental impacts of the Project. The Program EIR will also be used for future project-level environmental review of development projects within the City

1.1 – Purpose of CEQA

CEQA was originally enacted in 1970 and has been amended a number of times since then. The legislative intent of these regulations is established in Section 21000 of the California Public Resources Code, as follows:

The Legislature finds and declares as follows:

- a) The maintenance of a quality environment for the people of this state now and in the future is a matter of statewide concern.
- b) It is necessary to provide a high-quality environment that at all times is healthful and pleasing to the senses and intellect of man.
- c) There is a need to understand the relationship between the maintenance of high-quality ecological systems and the general welfare of the people of the state, including their enjoyment of the natural resources of the state.

¹ Senate Bill 1000 requires cities to prepare an Environmental Justice Element to identify and address health risks associated with the location of industrial and polluting land uses near residential uses, and to reduce health risks by promoting of physical activities, improved housing conditions, and food access.

Introduction

- d) The capacity of the environment is limited, and it is the intent of the Legislature that the government of the State takes immediate steps to identify any critical thresholds for the health and safety of the people of the state and take all coordinated actions necessary to prevent such thresholds being reached.
- e) Every citizen has a responsibility to contribute to the preservation and enhancement of the environment.
- f) The interrelationship of policies and practices in the management of natural resources and waste disposal requires systematic and concerted efforts by public and private interests to enhance environmental quality and to control environmental pollution.
- g) It is the intent of the Legislature that all agencies of the state government which regulate activities of private individuals, corporations, and public agencies which are found to affect the quality of the environment, shall regulate such activities so that major consideration is given to preventing environmental damage, while providing a decent home and satisfying living environment for every Californian.

The Legislature further finds and declares that it is the policy of the State to:

- h) Develop and maintain a high-quality environment now and in the future, and take all action necessary to protect, rehabilitate, and enhance the environmental quality of the state.
- i) Take all action necessary to provide the people of this state with clean air and water, enjoyment of aesthetic, natural, scenic, and historic environmental qualities, and freedom from excessive noise.
- j) Prevent the elimination of fish or wildlife species due to man's activities, ensure that fish and wildlife populations do not drop below self-perpetuating levels, and preserve for future generations representations of all plant and animal communities and examples of the major periods of California history.
- k) Ensure that the long-term protection of the environment, consistent with the provision of a decent home and suitable living environment for every Californian, shall be the guiding criterion in public decisions.
- l) Create and maintain conditions under which man and nature can exist in productive harmony to fulfill the social and economic requirements of present and future generations.
- m) Require governmental agencies at all levels to develop standards and procedures necessary to protect environmental quality.
- n) Require governmental agencies at all levels to consider qualitative factors as well as economic and technical factors and long-term benefits and costs, in addition to short-term benefits and costs and to consider alternatives to proposed actions affecting the environment.

A concise statement of legislative policy, with respect to public agency consideration of projects for some form of approval, is found in Section 21002 of the Public Resources Code, quoted below:

The Legislature finds and declares that it is the policy of the state that public agencies should not approve projects as proposed if there are feasible alternatives or feasible mitigation measures available which would substantially lessen the significant environmental effects of such projects, and that the procedures required by this division are intended to assist public agencies in systematically identifying both the significant effects of proposed projects and the feasible alternatives or feasible mitigation measures which will avoid or substantially lessen such significant effects. The Legislature further finds and declares that in the event specific economic, social, or other conditions make infeasible such project alternatives or such mitigation measures, individual projects may be approved in spite of one or more significant effects thereof.

1.2 – Format and Content of this Initial Study

The following briefly describes the sections within the Initial Study (IS):

Section 1.0, Introduction, provides an introduction to the IS, describes the purpose of CEQA, identifies the organizational format of this IS, as well as summarizes the potential environmental effects of the Project and public review of the IS.

Section 2.0, Project Description, describes the proposed Project and provides a description of proposed discretionary actions required for Project implementation.

Section 3.0, Determination, summarizes the environmental impacts identified in the IS and the determination that an EIR should be prepared.

Section 4.0, Evaluation of Environmental Impacts, presents a summary of the results of the environmental evaluation for the proposed Project, and identifies whether the Project has the potential to result in significant environmental impacts that will be analyzed in detail in the Program EIR. In those cases where the response indicates that the Project is expected to have no impact or less than significant impact the checklist question may be screened out for further review in the Draft Program EIR.

Section 5.0, References, provides a list of references and individuals that were consulted in preparation of this document.

1.3 – Potential Environmental Effects

The City of Garden Grove Community and Economic Development Department, Planning Services Division, directed and supervised the preparation of this IS, which reflects the independent judgment of the City of Garden Grove. The evaluation provided in this IS indicates that the Project would have no impact or less than significant impacts in the following environmental issue areas, and, therefore, further analysis in the Draft Program EIR is not required and will not be provided.

- Aesthetics
- Agricultural and Forestry Resources
- Mineral Resources
- Wildfire

The analysis presented in this Initial Study indicates that the proposed Project has the potential to result in one or more significant direct, indirect, and/or cumulative environmental effects in the environmental issue areas listed below. Therefore, each of these environmental issue areas will be analyzed in the Draft Program EIR.

- Air Quality
- Biological Resources
- Cultural Resources
- Energy
- Geology and Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning

Introduction

- Noise
- Population and Housing
- Public Services
- Recreation
- Transportation
- Tribal Cultural Resources
- Utilities and Service Systems

In many instances the analysis associated with an individual checklist question of an environmental topic found a potential impact to be less than significant.: although that potential impact has been determined to be less than significant, for ease of reference, that determination and analysis will be included in the Draft Program EIR document so that the reader will not have to cross-reference the IS.

1.4 – Public Review of the Initial Study

This Initial Study and Notice of Preparation (NOP) to prepare a Program EIR will be distributed for a 30-day public review period to the following: 1) organizations and individuals who have previously requested such notice in writing to the City of Garden Grove, 2) the State Clearinghouse, Responsible Agencies, Trustee Agencies, and other potentially affected agencies and organizations; and 3) the Orange County Clerk-Recorder.

The NOP identifies the location(s) where the Initial Study and its associated Technical appendices are available for public review. The environmental documentation is available for review at the City's website (<https://ggcity.org/planning/environmental-documents>) and at the following locations:

- City of Garden Grove, Community and Economic Development Department, Planning Services Division, 11222 Acacia Parkway, Garden Grove, California 92840; Phone: (714) 741-5000; Hours: 7:30 AM to 5:30 PM Monday through Thursday and 7:30 AM to 5:30 PM alternating Fridays.
- City of Garden Grove Website: ggcity.org/planning
- Garden Grove Main Library, 11200 Stanford Avenue, Garden Grove, CA 92840; (714) 530-0711; Hours: 11:00 AM to 7:00 PM Tuesday through Thursday and 9:00 AM to 5:00 PM Friday and Saturday.

2 Project Description

2.1 – Project Title

Garden Grove Focused General Plan and Zoning Code Amendments

2.2 – Lead Agency Name and Address

City of Garden Grove
Planning Services Division
11222 Acacia Parkway
Garden Grove, California 92840

2.3 – Project Location

The project location includes the City of Garden Grove corporate boundaries (“Planning Area”). The Planning Area is located in central Orange County, approximately six miles east of the Pacific Ocean and 10 miles west of the Santa Ana Mountains (see Exhibit 1, Regional Context Map. The area within the City’s corporate boundaries total 17.9 square miles (11,464 acres) (See Exhibit 1, Regional Context Map). The city is nine miles west of downtown Long Beach and 25 miles southeast of downtown Los Angeles. Nine cities border the City of Garden Grove: Anaheim, Orange, Santa Ana, Fountain Valley, Westminster, Seal Beach, Los Alamitos, Cypress, and Stanton. Four unincorporated Orange County islands – Southwest Anaheim and three (3) communities within Stanton’s sphere of influence – are located along the city’s northern border. The Planning Area can be seen in Exhibit 3, Planning Area.

2.4 – Project Sponsor’s Name and Address

City of Garden Grove
Planning Services Division
11222 Acacia Parkway
Garden Grove, California 92840

2.5 – General Plan Land Use Designations

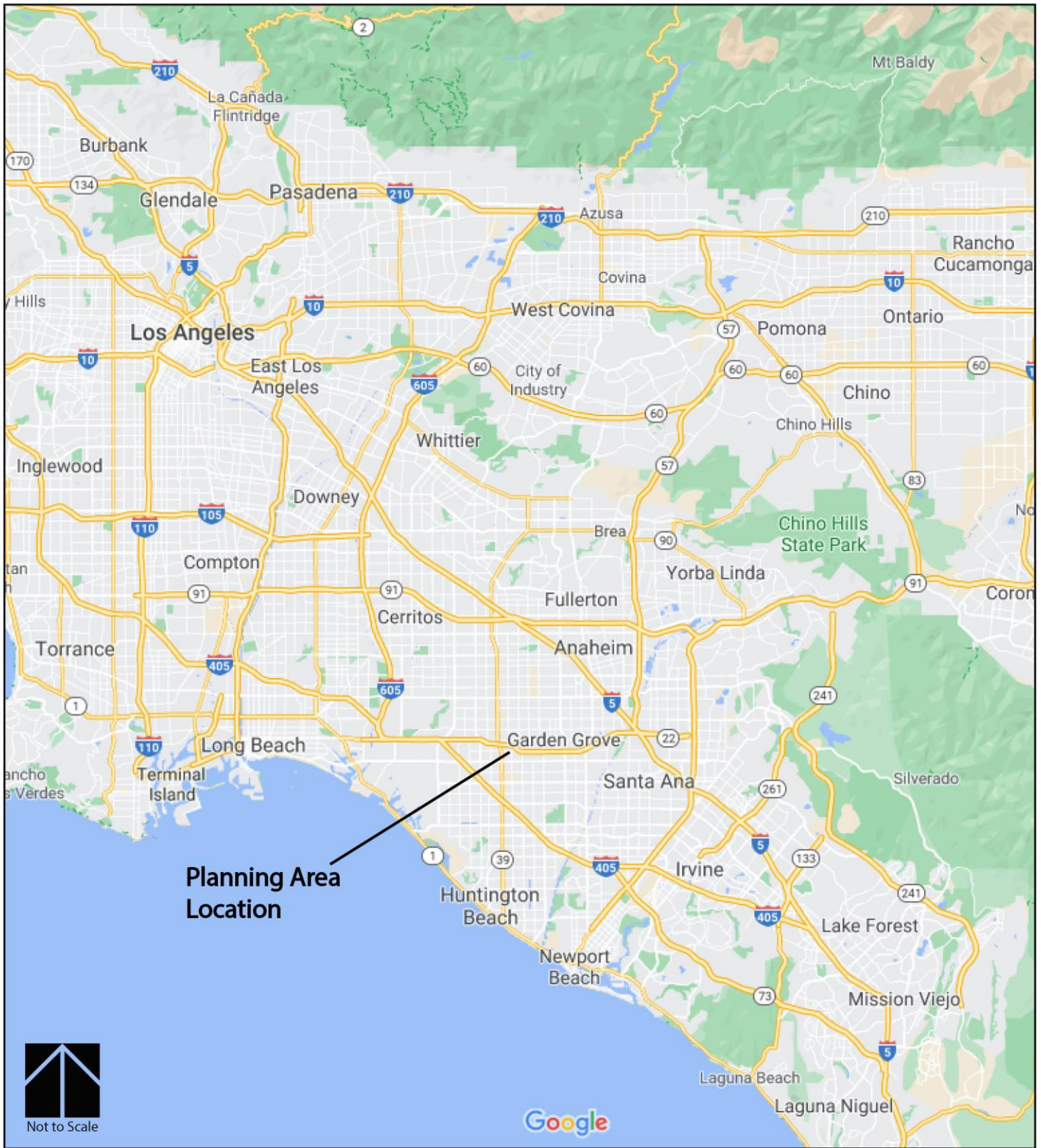
The existing General Plan identifies the following land use designations within the Planning Area: Low Density Residential (LDR); Low Medium Density Residential (LMR); Medium Density Residential (MDR); Medium High Density Residential (MHDR); Community Residential (CR); Light Commercial (LC); Heavy Commercial (HC); Office Professional (OP); International West Mixed Use (IW); Civic Center Mixed Use (CC); Residential/Commercial Mixed Use 1 (RC1); Residential/Commercial Mixed Use 2 (RC2); Residential/Commercial Mixed Use 3 (RC3); Industrial/Commercial Mixed Use (IC); Industrial/Residential Mixed Use 1 (IR1); Industrial/Residential Mixed Use 2 (IR2); Industrial (I); Civic/Institution (CI); Parks and Open Space (OS).

2.6 – Zoning Districts

Zones within the Planning Area include Single-Family Residential (R-1), Limited Multiple Residential (R-2), Multiple-Family Residential (R-3), Neighborhood Commercial (C-1), Community Commercial (C-2), Heavy Commercial (C-3), Office-Professional (O-P), Limited Industrial (M-1),

Project Description

Industrial Park (M-P), and Open Space (O-S), Garden Grove Boulevard Mixed Use 1 (GGMU-1), Garden Grove Boulevard Mixed Use 2 (GGMU-2), Garden Grove Boulevard Mixed Use 3 (GGMU-3), Neighborhood Mixed Use (NMU), Adaptive Reuse (AR), Civic Center East (CC-1), Civic Center Main Street (CC-2), Civic Center Core (CC-3), and Civic Center Open Space (CC-OS). Specific Plans within the Planning Area include the Community Center Specific Plan (CCSP), the Harbor Corridor Specific Plan (HCSP), and the Brookhurst/Chapman Specific Plan (BCSP).



Source: Google Maps

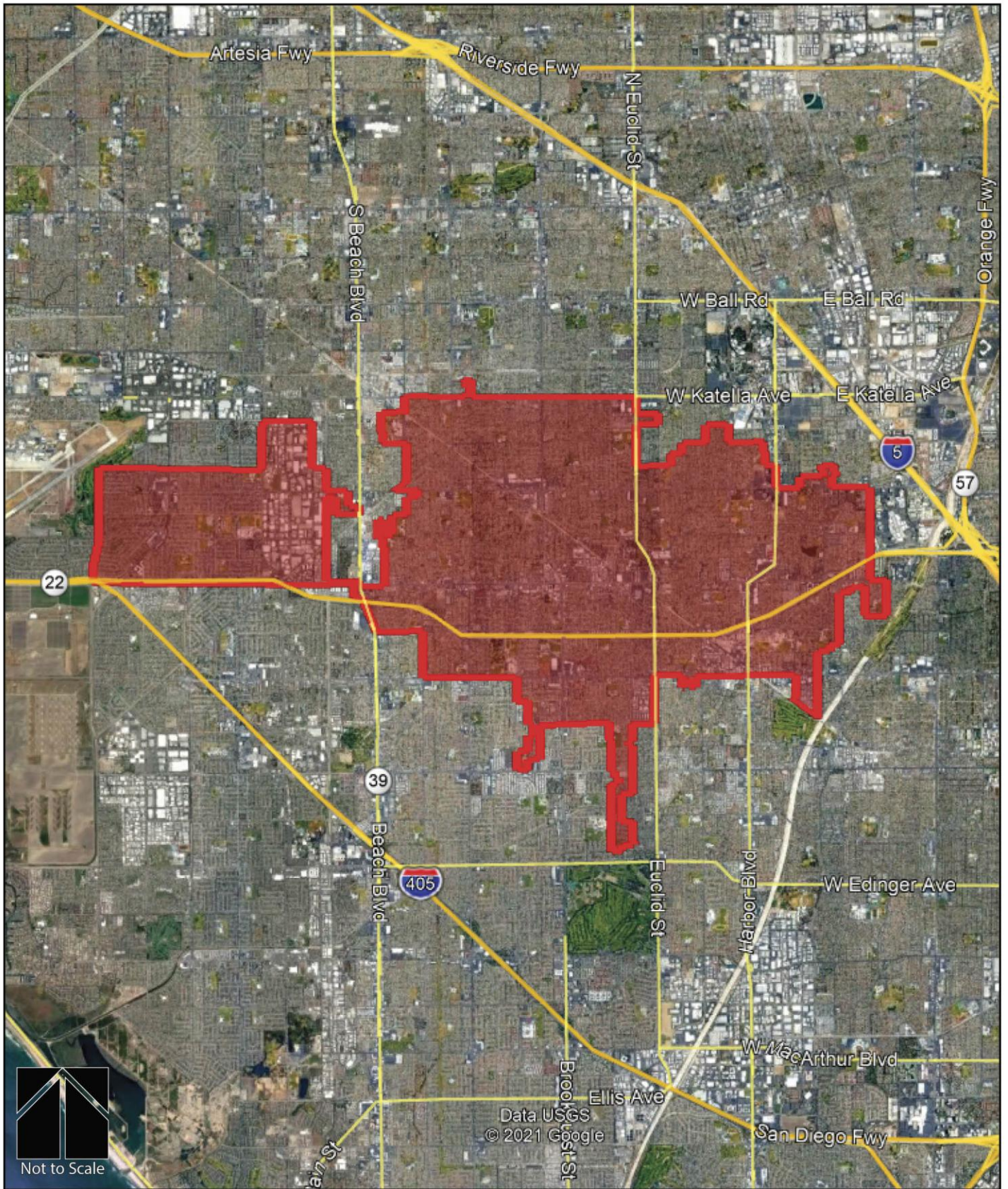
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Exhibit 1 Regional Context Map

Focused General Plan Update and Zoning Amendments
Garden Grove, California



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Source: Google Earth

 - City Boundary

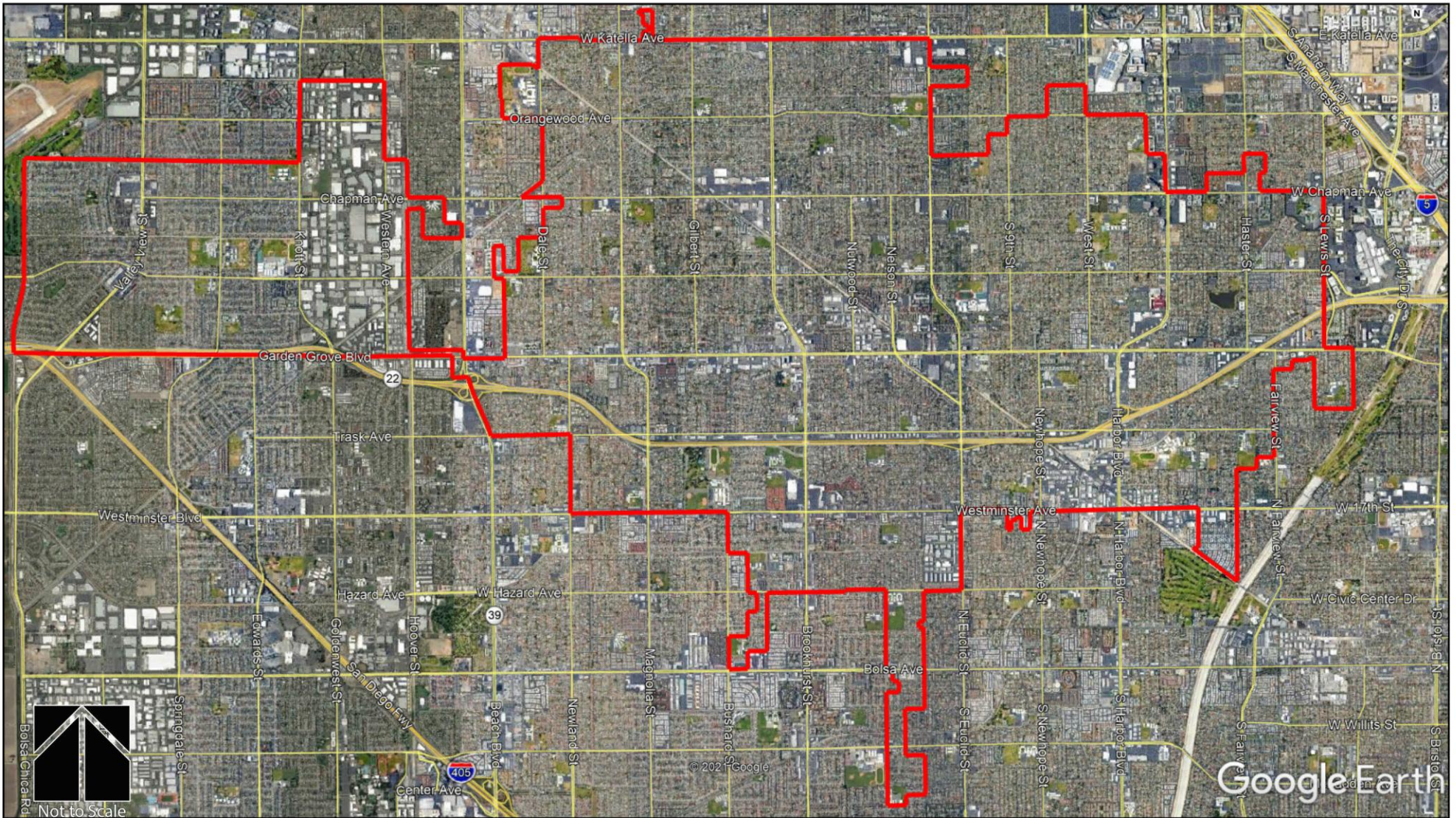
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Exhibit 2 Project Vicinity Map

Focused General Plan Update and Zoning Amendments
Garden Grove, California



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Source: Google Earth

 - Planning Area Boundary

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Exhibit 3 Planning Area
Focused General Plan Update and Zoning Amendments
Garden Grove, California

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2.7 – Environmental Setting

The City of Garden Grove is in the Los Angeles Basin, a coastal alluvial plain nestled between the Santa Monica Mountains, the Pacific Ocean, the Santa Ana Mountains and San Joaquin Hills. Topographically, the city is above sea level, and the elevation gradually increases from west to east. Geologically, the city occupies the Central Block area of the Los Angeles Basin. The Santa Ana River, located east and south of the city, carries waters that originate 70 miles northeast in the San Bernardino Mountains, drains the Santa Ana River Watershed, and recharges the Orange County Coastal Plain Groundwater Basin. Watercourses in the City include the following floodway drainage channels: the Bolsa Chica Channel, the Anaheim City-Barber Channel, the Westminster Channel, and the East Garden Grove-Winterburg Channel.

According to the State Department of Finance, the estimated population of the City in 2020 was 174,801, the fifth largest among Orange County cities. According to the American Community Survey 2014-2018 5-year estimates, the City's housing stock consists of 48,031 total units and place of employment for 84,809 workers.ⁱ Garden Grove's urban development is part of the Census-defined Los Angeles-Long Beach-Anaheim urban area, a densely developed territory with an area of 1,736 square miles and a total population of 12,563,660.ⁱⁱ

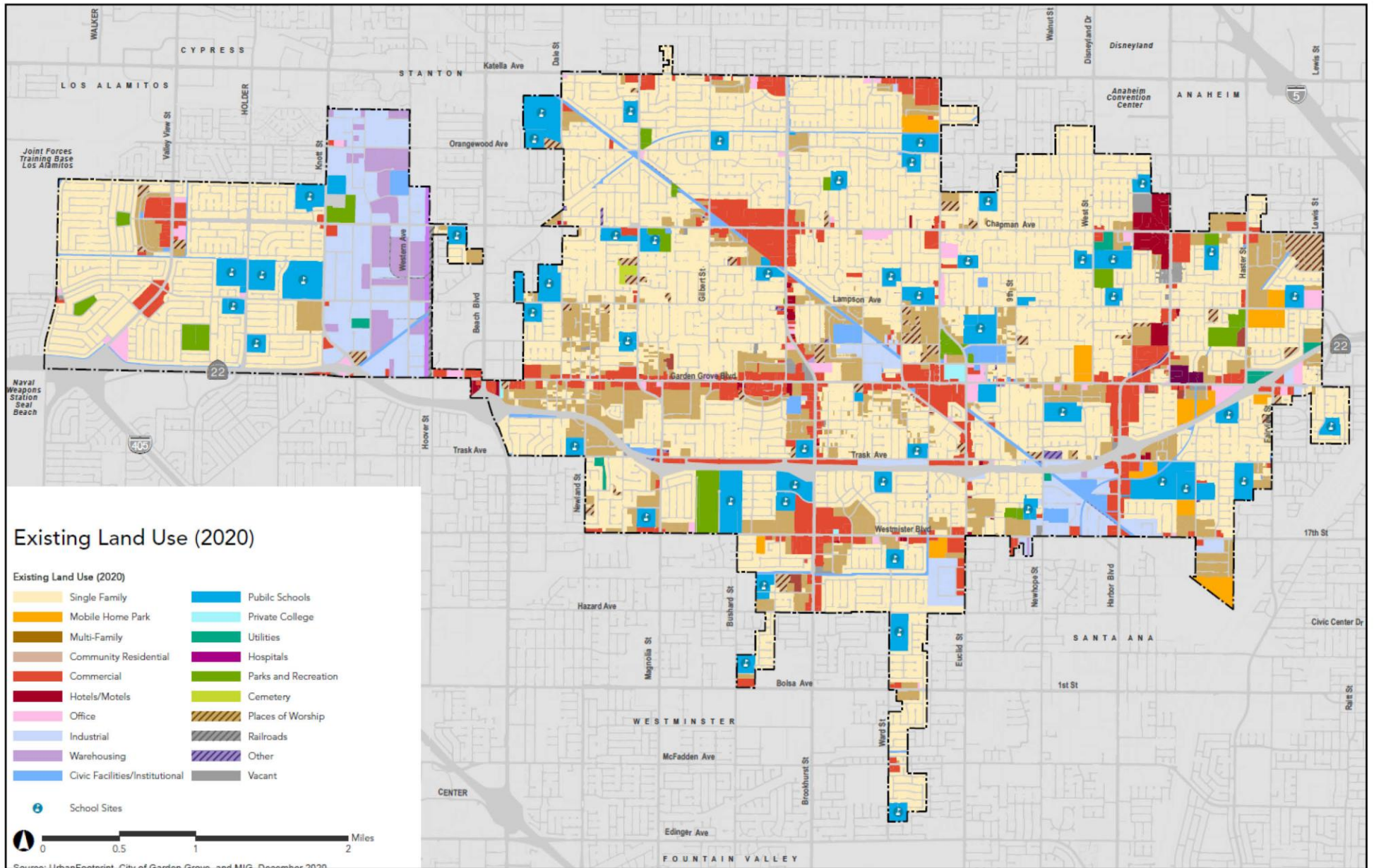
There are several major regional transportation routes within the City borders. The I-405 freeway and the SR-22 freeway converge on the City's western border linking the City to employment centers in Irvine and Long Beach. Arterial roadways of regional importance including Beach Boulevard, Brookhurst Street, Harbor Boulevard, Euclid Street, Valley View Street, and Bolsa Chica Road, provide multiple access points along the routes of the freeways. The Orange County Transportation Authority (OCTA) provides transit service with bus stops at major arterial roadways. The OC Streetcar will introduce passenger railway service between the City and the Santa Ana Regional Transportation Center, with the construction of a station at Harbor Boulevard/Westminster Avenue anticipated to be completed and in operation by 2022.

2.8 – Existing Land Uses

Existing land uses in the Planning Area are divided into six general categories: residential, commercial and industrial, public and institutional, parks and open space, undeveloped (vacant) and other. The Existing Land Use map is shown as Exhibit 4 (Existing Land Use (2020)). Garden Grove's existing land use distribution is described in Table 1 (Existing Land Use 2020). As of 2020, the City's existing land uses (excluding street/freeway right-of-way) are as follows: 65.7 percent residential (approximately 5,845 acres); 18.6 percent commercial and industrial (approximately 1,651 acres); 11.6 percent public facilities and institutions (approximately 1,033 acres); 1.8 percent parks and open space (approximately 163 acres); and 2.3 percent uses designated as other (approximately 204 acres). There are an estimated 48,257 dwelling units within the Planning Area and approximately 30 million square feet of non-residential building area. The Planning Area currently has a population of 174,801 residents.

Table 1
Existing Land Use 2020

Existing Land Use Categories	Acres	Dwelling Units	Non-Residential Building Sq Ft	Population	Employees	Students
Residential						
Single-Family	4,802.9	26,984	--	103,472	--	--
<i>Accessory Dwelling Units</i>	--	681	--	817	--	--
Multi-Family	909.5	18,964	--	64,910	--	--
Mobile Home Park	133.0	1,628	--	5,602	--	--
Subtotal	5,845.4	48,257	--	174,801	--	--
Commercial and Industrial						
Commercial	719.6	--	9,401,900	--	14,754	--
Office	103.4	--	1,992,800	--	5,592	--
Hotel and Accommodations	77.9	--	2,383,500	--	2,071	--
Light Industrial	560.3	--	6,257,400	--	11,828	--
Warehouse and Outdoor Storage	189.8	--	2,533,900	--	2,334	--
Subtotal	1,651.0	--	22,569,500	--	36,579	--
Public Facilities and Institutions						
Civic Facilities	201.8	--	1,071,800	--	1,499	--
Public Schools	767.4	--	5,055,500	--	5,070	31,094
Private College	10.2	--	104,200	--	134	--
Hospital	13.4	--	500,000	--	813	--
Convalescent Home	13.9	--	186,300	--	440	--
Utilities	25.9	--	99,200	--	163	--
Subtotal	1,032.6	--	7,017,000	--	8,119	--
Parks and Open Space						
Parks and Recreation	156.5	--	--	--	--	--
Cemetery	6.6	--	--	--	--	--
Subtotal	163.1	--	--	--	--	--
Other						
Places of Worship	129.9	--	627,900	--	947	--
Railroad Right-of-Way	19.3	--	--	--	--	--
Other	18.7	--	18,100	--	121	--
Vacant	36.4	--	--	--	--	--
Street/Freeway Right-of-Way	2,567.8	--	--	--	--	--
Subtotal	2,772.1	--	646,000	--	1,068	--
Grand Total	11,464.1	48,257	30,232,500	174,801	45,766	31,094
<i>Source: MIG, Inc. 2021</i>						



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Exhibit 4 Existing Land Use (2020)

Focused General Plan Update and Zoning Amendments
Garden Grove, California

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2.9 – Project Characteristics

The Focused General Plan Update (GPU) and Zoning Code Amendments include goals, policies, and programs that will provide City staff and discretionary bodies with a foundation for decisions for long-range planning related to physical development and public services. The Focused GPU and Zoning Amendments are intended to achieve the planning goals set forth in the Housing, Land Use, Safety, and Environmental Justice elements over the long-term. These amendments allow for additional new development for various land uses and serve as a policy guide for determining the appropriate physical development and community services in the City. The Focused GPU and Zoning Amendments include the following objectives for the long-term growth and enhancement of the community:

- *A Safe Community* - Adequately funded, staffed, and equipped police and fire services that provide a timely and effective response to both minor and major public safety concerns. Also, the public safety providers will engage and educate all segments of the community.
- *An Economically Sound Community* - Meet budget challenges by capitalizing on our unique development opportunities and providing enhanced shopping, dining, and entertainment options while improving the aesthetics of the community.
- *A Family-Oriented Community* - Safe, well-kept neighborhoods where all segments of the community feel secure and comfortable, and where residents can feel unburdened from the stresses of the world outside the neighborhood.
- *A Diverse Community* - All segments of the community have a sense of belonging, regardless of race, ethnicity, or age. Also, a community where all feel safe in expressing their uniqueness, while joining and celebrating in their commonality as Americans, Californians, and Garden Grove residents.
- *A Well Maintained Community* - Public infrastructure (i.e., streets, water and sewer systems, storm drains) that is kept in good working order, but results in few inconveniences and disruptions to users during maintenance. Also, future plans that ensure the continued adequacy and availability of these services as the community changes.
- *An informed Community and Well Administered Community* - Good channels of communication shall exist between the general public, community organizations, service providers and the city government. This provides residents and other interested persons both information and opportunities to provide input on proposals being brought before the City's Boards, Commissions, and Council. In addition, the City government shall be adequately staffed and compensated to meet the service needs and goals of the community. City staff shall be encouraged to learn about, and apply, the most efficient and effective methods for providing public services to the community.
- *A High-Quality-of-Life Community* - Public facilities and open spaces that are well maintained and adequate for size and nature of the community, as well as provide recreational opportunities for all segments of the community.

The mandatory cyclical update (6th Cycle) to the Housing Element is required by State law to accommodate the City's Regional Housing Needs Allocation (RHNA) goal of 19,168 dwelling units, which represents a roughly 42% increase from the existing 48,257 of dwelling units. Amendments to the Land Use Element, and Zoning Changes to Title 9 of the Municipal Code, identify the range of development density, as well as the areas and sites, that could accommodate the City's RHNA goal pursuant to State law. The contents of the Safety Element and Environmental Justice Element include mandatory climate change adaptation and resiliency strategies, including greenhouse gas reduction, while the content of the Environmental Justice Element includes provisions for reducing

Project Description

pollution burdens; increasing civic engagement; and identifying community needs regarding public facilities and services, healthy food access, physical activity, and safe and sanitary homes.

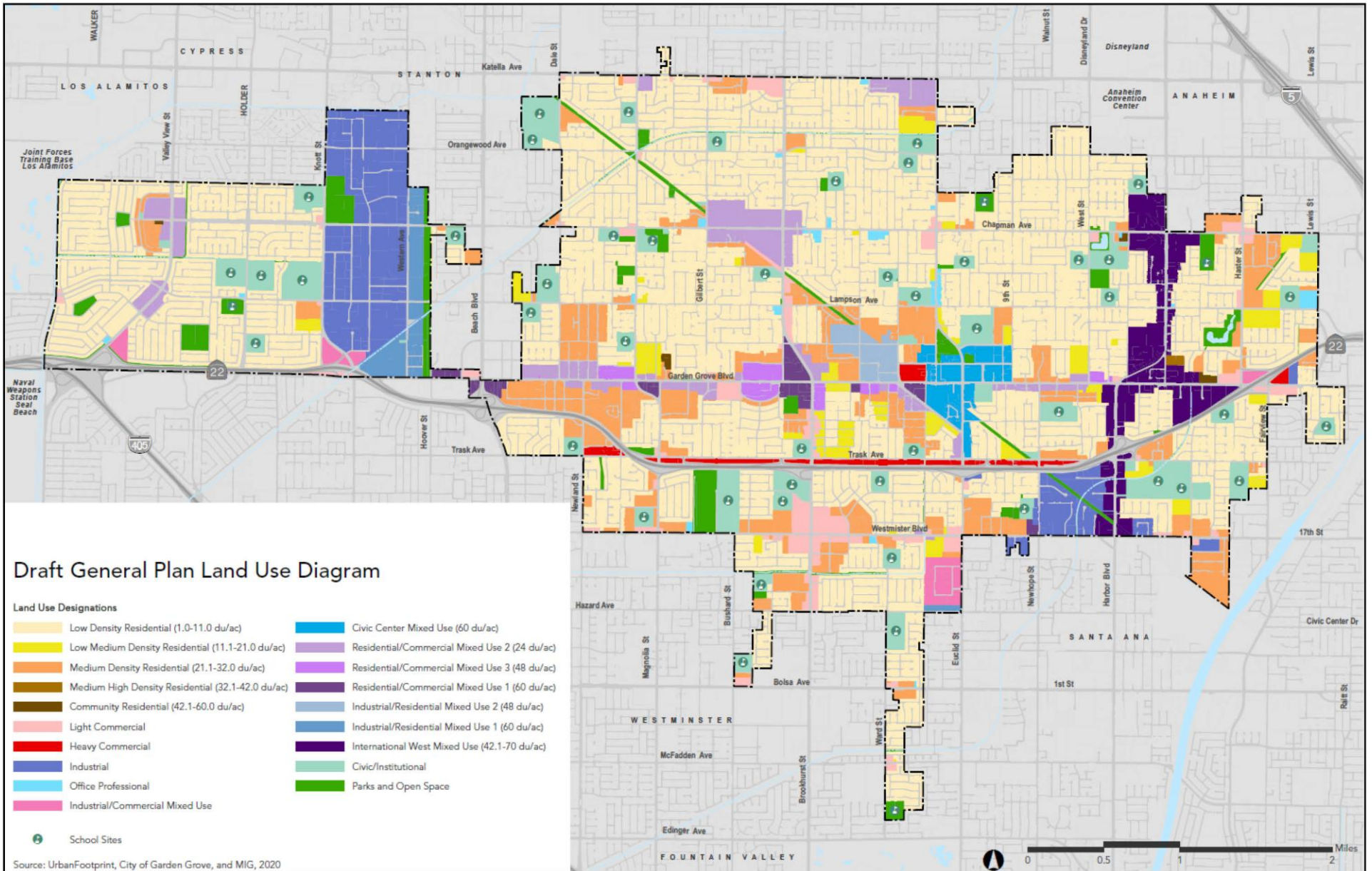
The proposed Focused General Plan Update has a planning horizon year of 2040. Table 2 (Proposed General Plan Buildout (2040)) identifies the estimated General Plan buildout in 2040 to include approximately 68,499 dwelling units, 238,619 residents, 29,718,000 building square feet of non-residential uses, and 49,369 jobs. Exhibit 5 (Proposed Land Use Plan) shows the proposed Land Use Policy Plan under the Focused GPU and Zoning Amendments. Table 3 (Potential GPU Growth) provides a comparison of existing 2020 conditions and potential future 2040 buildout conditions. As shown in Table 3, buildout under the proposed Focused GPU and Zoning Amendments has the potential to result in up to 20,242 additional dwelling units and would support up to 63,818 additional residents within the Planning Area when compared to existing conditions. However, the Focused GPU and Zoning Amendments would potentially result in a reduction of approximately 514,500 square feet of non-residential building space when compared to existing conditions.

**Table 2
Proposed General Plan Buildout 2040**

Existing Land Use Categories	Acres	Dwelling Units	Non-Residential Building Sq Ft	Population	Employees	Students
Residential						
Low Density Residential	4,647.0	25,386	--	90,930	--	--
Accessory Dwelling Units	--	2,828	--	3,394	--	--
Low Medium Density Residential	237.7	3,046	--	10,910	--	--
Medium Density Residential	933.4	18,984	--	67,998	--	--
Medium High Density Residential	4.8	104	--	373	--	--
Community Residential	10.4	331	--	1,186	--	--
Subtotal	5,833.3	50,679	--	174,791	--	--
Commercial and Industrial						
Light Commercial	220.7	--	2,921,500	--	5,527	--
Heavy Commercial	70.8	--	694,900	--	1,094	--
Office Professional	36.8	--	831,100	--	1,731	--
Industrial/Commercial Mixed Use	73.2	--	1,264,400	--	2,253	--
Industrial	575.8	--	6,648,000	--	10,442	--
Subtotal	977.3	--	12,359,900	--	21,047	--
Mixed Use						
Residential/Commercial Mixed Use 1	67.8	3,285	488,700	11,766	1,053	--
Residential/Commercial Mixed Use 2	292.6	3,186	2,249,200	11,412	4,578	--
Residential/Commercial Mixed Use 3	64.1	1,671	495,400	5,985	988	--
Industrial/Residential Mixed Use 1	115.4	2,207	1,056,300	7,905	2,148	--
Industrial/Residential Mixed Use 2	61.8	722	1,114,500	2,586	2,047	--
Civic Center Mixed Use	108.7	1,275	1,256,400	4,567	2,578	--
International West Mixed Use	293.3	5,474	4,902,300	19,067	8,223	--
Subtotal	1,003.7	17,820	11,562,800	63,829	21,615	--

Public Facilities, Parks, and Open Space						
Civic/Institutional	726.5	--	5,795,300	--	6,709	36,080
Parks and Open Space	355.3	--	--	--	--	--
Street/Freeway Right-of-Way	2,567.8	--	--	--	--	--
Subtotal	3,649.7	--	5,795,300	--	6,709	36,080
Proposed GPU Grand Total	11,464.0	68,499	29,718,000	238,619	49,369	36,080
<i>Source: MIG, Inc. 2021</i>						

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Exhibit 5 Proposed Land Use (2040)

Focused General Plan Update and Zoning Amendments
Garden Grove, California

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*Table 3
Potential GPU Growth*

Development Indicators	Existing Conditions (2020)	Future Buildout Conditions (2040)	Buildout Change (Numbers)	Buildout Change (Percentage)
Dwelling Units	48,257	68,499	20,242	41.9%
Population	174,801	238,619	63,818	36.5%
Non-Residential Building SF	30,232,500	29,718,000	(514,500)	-1.7%
<i>Commercial</i>	9,401,900	9,203,300	(198,600)	-2.1%
<i>Office</i>	1,992,800	1,941,500	(51,300)	-2.6%
<i>Accommodations (Hotels/Motels)</i>	2,383,500	3,015,700	632,200	26.5%
	3,600 rooms	4,493 rooms	893 rooms	24.8%
<i>Industrial</i>	8,791,300	8,508,800	(282,500)	-3.2%
<i>Public Facilities/Institutional</i>	7,663,000	7,048,700	(614,300)	-8.0%
Employees	45,766	49,369	3,603	7.9%
Students	31,094	36,080	4,986	16.0%
<i>Source: MIG, Inc. 2021</i>				

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3 Determination

3.1 – Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a 'Potentially Significant Impact' as indicated by the checklist on the following pages.

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

3.2 – Determination

<input type="checkbox"/>	I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
<input type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
<input type="checkbox"/>	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.
<input type="checkbox"/>	I find that although the proposed project could have a significant effect on the environment, because all potentially 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.

Name: Chris Chung, Urban Planner

Date

Determination

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4 Evaluation of Environmental Impacts

4.1 – Aesthetics

Except as provided in Public Resources Code Section 21099, would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within view from a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>

a) Have a substantial adverse effect on a scenic vista?

Less than Significant Impact. Scenic vistas can be impacted by development in two ways. First, a structure may be constructed that blocks the view of a vista. Second, the vista itself may be altered (i.e., development on a scenic hillside). The Garden Grove 2030 General Plan does not identify any scenic vistas within the City.³ The Garden Grove (SR-22) Freeway corridor is not considered to be within or to comprise any portion of a scenic vista. The primary scenic view from within the Planning Area is of the Santa Ana Mountains to the east and the San Gabriel Mountains to the north. Views of the Santa Ana and San Gabriel Mountains are already partially or completely obscured by existing development and landscaping within the Planning Area including buildings, trees, utility poles, and an above-grade freeway (SR-22). Development associated with implementation of the Focused GPU and Zoning Amendments would be required to be consistent with the Garden Grove Municipal Code, including height limitations. As the existing General Plan does not identify any scenic vistas within the City, and views of the mountains to the east and north

are currently partially obstructed by existing development, potential impacts to scenic vistas would be considered less than significant, and no further analysis of impacts to scenic resources is required in the Program EIR.

b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within view from a state scenic highway?

Less than Significant Impact. A scenic resource is defined as an isolated source of aesthetic value such as an old oak tree, a unique rock formation, or a historical structure visible from a scenic highway. The Planning Area is urbanized. There are no state scenic highways within or in the vicinity of the Planning Area, and the existing General Plan does not identify any scenic resources within the City.^{4, 5} The Garden Grove 2030 General Plan does not identify any scenic resources within the City. No site within the Planning Area contains any scenic resource that could be impacted by development supported by the Focused GPU and Zoning Amendments. Impacts to scenic resources would be considered less than significant, and no further analysis of impacts to scenic resources is required in the Program EIR.

c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point.) If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?

Less Than Significant Impact. Degradation of visual character or quality is defined by substantial changes to the existing site appearance through construction of structures such that they are poorly designed or conflict with the site's existing surroundings. The City is within an urbanized area. The proposed Focused GPU and Zoning Amendments include development standards and design guidelines to guide new development within the Planning Area. Any new development activity would be subject to the design guidelines in the updated General Plan and Zoning Code; these guidelines have been crafted to provide for high-quality development and require a design review process to ensure compliance. Over time, application of these guidelines would result in the improved appearance of existing properties as they are redeveloped. Future site-specific development proposals would be required to comply with applicable zoning and other regulations governing scenic quality. For these reasons, impacts would be less than significant and no further analysis of impacts to visual character is required in the Program EIR.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

Less than Significant Impact. New development within the Planning Area would result in new light sources, including the potential for pedestrian lighting, electric illuminated signs, security lighting, parking lot lighting, and streetlights. Developments would be subject to Garden Grove Municipal Code Title 9 (Land Use) to ensure that lighting does not impact adjacent properties and associated day or night views. Title 9 includes lighting standards for zones throughout the City. All exterior lighting is required to be directed away from streets and adjoining properties. This will ensure that developments within the Planning Area are adequately illuminating on-site uses for security purposes without impacting adjacent properties. Impacts to day and night views from lighting would be less than significant with implementation of existing regulations. No further analysis of impacts related to lighting is required in the Program EIR.

Glare is defined as light that enters the eye but is not helpful to sight. Glare is generated during the daytime from reflective surfaces such as glass, polished metals, or snow. Halos (rings of light around a light source) occur at night. In relationship to development, glare can be generated from

projects using reflective building materials. The proposed Focused GPU and Zoning Amendments include development standards and design guidelines that emphasize use of materials that reduce glare. Through the design review process, the City would use these guidelines standards to discourage building approaches that utilize materials that create glare. Thus, with application of the proposed design guidelines, potential light and glare impacts would be considered less than significant and no further analysis of impacts related to light and glare is required in the Program EIR.

4.2 – 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:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or 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 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 or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Convert Prime Farmland, Unique Farmland, or 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?

No Impact. The Planning Area is completely urbanized and does not contain any agricultural uses. There are no areas in the Planning Area designated as Prime Farmland, Unique Farmland, or Farmland or Statewide Importance by the Garden Grove General Plan land use map or by the California Department of Conservation.^{6, 7} The Planning Area is entirely developed and there is no farmland in the City. In addition, the Focused GPU and Zoning Amendments do not include agricultural production as a permitted land use. Therefore, the proposed Focused GPU and Zoning Amendments would not convert any designated farmland to a non-agricultural use. No impacts to these resources could occur and no further analysis of impacts to agricultural or forestry resources is required in the Program EIR.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

No Impact. The Planning Area does not contain any agricultural uses, nor does it include zoning for agricultural uses. There are no active Williamson Act contracts within the Planning Area., No impact would occur and no further analysis is required in the Program EIR.

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))?

No Impact. The Planning Area is a developed urban area with no timberland resources. Neither the General Plan nor the Zoning Code allow for timberland or forest uses, and these resources do not exist within the Planning Area. Therefore, the proposed Focused GPU and Zoning Amendments would not conflict with existing zoning or cause rezoning of forest land. No impact would occur and no further analysis of impacts to forest resources or timberland is required in the Program EIR.

d) Result in loss of forest land or conversion of forest land to non-forest use?

No Impact. Garden Grove is an urban developed city. According to the existing General Plan, no forest lands occur within the City of Garden Grove. The proposed Focused GPU and Zoning Amendments would not result in the loss of forest land or conversion of forest land to non-forest use. No impact would occur and no further analysis of impacts to forest land is required in the Program EIR.

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 or conversion of forest land to non-forest use?

No Impact. No forest lands, farmland or agricultural uses occur or are allowed within the Planning Area. The proposed Focused GPU and Zoning Amendments would not involve changes in the existing environment which would result in conversion of farmland to non-agricultural use or the conversion of forest lands to non-forest use. No impact would occur and no further analysis is required in the Program EIR.

4.3 – Air Quality

Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) 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?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Conflict with or obstruct implementation of the applicable air quality plan?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would allow new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. Pollutant emissions would be generated from stationary sources (buildings and related activities) and mobile sources (vehicles traveling to and from the Planning Area). Depending on the nature of development that occurs, and ability for the proposed Focused GPU and Zoning Amendments to accommodate such growth, conflicts with the assumptions used in the Air Quality Management Plan may occur. New development within the Planning Area would result in construction and operational emissions that could exceed daily thresholds established by the South Coast Air Quality Management District (SCAQMD). Potentially significant impacts related to criteria pollutant emissions and conflicts with the applicable air quality management plan will be evaluated in the Program EIR.

b) 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?

Potentially Significant Impact. The South Coast Air Basin is currently in non-attainment status for ozone and PM_{2.5} criteria pollutants. The proposed Focused GPU and Zoning Amendments would

support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. Pollutant emissions would be generated from stationary sources (buildings and related activities) and mobile sources (vehicles traveling to and from the Planning Area). Depending on the nature of development that occurs, and ability for the proposed Focused GPU and Zoning Amendments to accommodate such growth, implementation of the Focused GPU and Zoning Amendments could result in cumulatively considerable air quality impacts. New development within the Planning Area would result in construction and operational emissions that could exceed daily thresholds established by the South Coast Air Quality Management District (SCAQMD). Potentially significant impacts related to criteria pollutant emissions and cumulatively considerable net increases will be evaluated in the Program EIR.

c) Expose sensitive receptors to substantial pollutant concentrations?

Potentially Significant Impact. While the proposed Focused GPU and Zoning Amendments land use regulations would not permit uses that could result in substantial operational emissions of toxic air contaminants (TACs) (such as warehouses, heavy industrial, or manufacturing facilities), construction activities would occur and could expose sensitive receptors to pollutant concentrations.

A carbon monoxide (CO) hotspot is an area of localized CO pollution that is caused by severe vehicle congestion on major roadways, typically near intersections.⁸ CO hotspots have the potential to violate State and federal CO standards at intersections, even if the broader air basin is in attainment for federal and State levels. The proposed Focused GPU and Zoning Amendments would support increased development over the long term that would result in increased traffic volumes that could result in or contribute substantially to CO hotspots at area intersections. Potentially significant impacts related to substantial pollutant concentration will be evaluated in the Program EIR.

d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people)?

No Impact. According to the California Environmental Protection Agency's Air Quality and Land Use Handbook, land uses associated with odor complaints include livestock operations, wastewater treatment plants, landfills, recycling facilities, waste transfer stations, petroleum refineries, biomass operations, and certain industrial operations (such as coating operations, and fiberglass manufacturing).⁹ The proposed Focused GPU and Zoning Amendments would not support any of these types of uses, and it is not anticipated that new wastewater treatment plants, landfills, or recycling facilities would be required to serve development associated with the Project. Nonetheless, analysis of this topic will be included in the Program EIR.

4.4 – Biological Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
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 Game or U.S. Fish and Wildlife Service?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US 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 checked="" type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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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 Game or U.S. Fish and Wildlife Service?

Potentially Significant Impact. The California Natural Diversity Database (CNDDDB) was consulted to determine the potential for occurrence of sensitive species within or in vicinity of the Planning Area, and the results identified seven sensitive species and three sensitive plants that have been known to occur within the Planning Area.¹⁰ Occurrences were primarily reported along channelized creeks and rivers, but have also been recorded in open space areas throughout the Planning Area. Considering the potential presence of sensitive species in the Planning Area, potential impacts could occur and will be evaluated in the Program EIR.

b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or US Fish and Wildlife Service?

No Impact. The Planning Area is urbanized and lacks any native habitat. According to the United States National Wetlands Inventory (NWI), no riparian habitat or other sensitive natural community identified by the California Department of Fish and Wildlife or US Fish and Wildlife Service occurs within the Planning Area. Therefore, no impact would occur to riparian or other sensitive natural communities as a result of the Focused GPU and Zoning Amendments. Nonetheless, analysis of this topic will be included in the Program EIR.

c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Less than Significant Impact. According to the NWI¹¹, the channelized tributary of the Santa Ana River that runs through the western portion of the Planning Area is classified as R4SBCr, which identifies the water body as a channel with artificial substrate that experiences intermittent water flow and seasonal flooding. In the eastern portion of the Planning Area at Twin Lakes Park, there is a freshwater pond that is classified as PUBHx, which identifies the pond as a nontidal wetland that was man-made with an unconsolidated bottom and is permanently flooded. Finally, there is a Freshwater Pond located southwest of the intersection of Chapman Avenue and West Street that is classified as PUBHx, which identifies the pond as a nontidal wetland that was man-made with an unconsolidated bottom and is permanently flooded. These water features would not be significantly impacted by implementation of the proposed Focused GPU and Zoning Amendments as no future development would occur within any of the locations identified as wetlands. As such, the impact to federally protected wetlands would be considered less than significant. Nonetheless, analysis of this topic will be included in the Draft Program EIR.

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?

Potentially Significant Impact. No riparian habitat occurs within the Planning Area; therefore, the project would not interfere with any fish populations. Furthermore, no native wildlife nurseries occur within the Planning Area. While the Planning Area is completely urbanized, native avian species may still occupy urban sites. For this reason, potentially significant impacts to migratory birds could occur and further analysis will be provided in the Program EIR.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

No Impact. The City of Garden Grove Tree Ordinance protects trees within public highways, parks, or public places. Trees within private developments are not subject to the Tree Ordinance. The Tree Ordinance would apply to future development in the Planning Area. With adherence to existing regulations, development associated with implementation of the Focused GPU and Zoning Amendments would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. Nonetheless, analysis of this topic will be included in the Program EIR.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

No Impact. The Planning Area is not located in an area that would be subject to any Habitat Conservation Plans or Natural Community Conservation Plan. Therefore, the proposed Focused GPU and Zoning Amendments would not conflict with the provisions of any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan. Nonetheless, analysis of this topic will be included in the Program EIR.

4.5 – Cultural Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of formal cemeteries?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Cause a substantial adverse change in the significance of a historical resource as defined in 15064.5?

Potentially Significant Impact. Generally, structures need to be at least 50 years or older to be considered historical resources. Considering the age of development within the Planning Area, many structures are 50 years or older. The Garden Grove 2030 General Plan EIR indicates that while the City does not have any Federal or State-designated historic resources, there are approximately 132 locally significant buildings within the City. The City’s 2030 General Plan identifies a 1986 historic and architectural inventory (*Comprehensive Historical and Architectural Resources Inventory*), which documented 132 buildings as locally-significant resources. With the exception of the Stanley House within Heritage Park, the Harry A. Lake House, and the Reyburn House, which are candidates for nomination to the National Register of Historic Places, the remaining structures identified in the *Comprehensive Historical and Architectural Resources Inventory* are not candidates for any Federal or State-designated historic resource registries. Potentially significant impacts could occur if a structure meeting the definition of a *historical resource* pursuant to CEQA or the City’s local regulations is damaged or destroyed during development activity. Potential impacts to historical resources will be evaluated in the Program EIR.

b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to 15064.5?

Potentially Significant Impact. The City of Garden Grove is a completely urbanized City with limited open space areas. Garden Grove has been extensively developed and the likelihood of identifying previously unidentified archaeological resources in the Planning Area is considered low. Surficial and near-surface archaeological resources in the Planning Area most likely would have been destroyed or recovered as a result of past development. However, some archaeological resources may have been left in place. Furthermore, the proposed Focused GPU and Zoning Amendments support new development that could include subsurface parking, resulting in the disturbance of soils at depths not previously disturbed by existing or past development. Therefore,

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future development could result in significant impacts to archaeological resources not previously identified. Potential impacts to archaeological resources will be evaluated in the Program EIR.

c) Disturb any human remains, including those interred outside of formal cemeteries?

Potentially Significant Impact. There are two formal cemeteries within the Planning Area: Magnolia Memorial Park and Christ Cathedral Memorial Gardens. Considering that the Planning Area is urbanized, surficial and near-surface human remains most likely would have been destroyed or recovered as a result of past development activity. Therefore, the potential for uncovering human remains and other significant resources, such as Tribal Cultural Resources, within the Planning Area is considered unlikely. However, some buried human remains and/or Tribal Cultural Resources may have been left in place during past development in the Planning Area or remain undiscovered due to their depth. Furthermore, the proposed Focused GPU and Zoning Amendments support new development that could include subsurface parking, resulting in the disturbance of soils at depths not previously disturbed by existing or past development. Therefore, future development could result in significant impacts to buried human remains and/or Tribal Cultural Resources. Please also see the Tribal Cultural Resources section below. Potential impacts to these resources will be evaluated in the Program EIR.

4.6 – Energy

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?

Potentially Significant Impact. Electricity in the Planning Area is provided by Southern California Edison (SCE), which obtains its energy supplies from power plants and natural gas fields in southern California, as well as from energy purchased outside its service area and delivered through high voltage transmission lines and pipelines. Power is generated from various sources, including fossil fuel, hydroelectric, nuclear, wind, and geothermal plants, and is fed into the electrical grid system serving Southern California. SCE is subject to California’s Renewables Portfolio Standard, which was established in 2002 under Senate Bill 1078, accelerated in 2006 under Senate Bill 107, and expanded in 2011 under Senate Bill 2. This program requires investor-owned utilities, electric service providers, and community choice aggregators to increase procurement from eligible renewable energy resources to 33 percent of total procurement by 2020. According to the CPUC, as of 2017, SCE already provided 32 percent of its retail electricity from renewable energy resources.¹² As such, the electricity source for the Planning Area is expected to be produced and utilized in an efficient manner.

Individual construction projects that would occur with implementation of the proposed Focused GPU and Zoning Amendments would require the use of nonrenewable construction material, such as concrete, metals, and plastics. Nonrenewable resources and energy would also be consumed during the manufacturing, transportation, and construction of potential developments. The scope of construction activities for individual developments, however, is usually minimal and lasts a short time. Large amounts of energy would not be expended during construction of projects developed under implementation of the proposed Focused GPU and Zoning Amendments. All construction vehicles are required to comply with federal and state standards for on- and off-road vehicles (e.g., emission standards set by the California Air Resources Board), meaning wasteful usage of energy would not occur. Construction-related impacts would therefore be less than significant but will be evaluated in the Program EIR.

The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. Given this fact, it is possible that buildout of the proposed Focused GPU and Zoning Amendments

could result in a potentially significant impact due to wasteful, inefficient, or unnecessary consumption of energy resources. Potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources at buildout of the proposed Focused GPU and Zoning Amendments will be evaluated in the Program EIR.

b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?

Potentially Significant Impact. The California Title 24 Building Code contains energy efficiency standards for developments of all types. These standards address electricity and natural gas efficiency in lighting, water, heating, and air conditioning, as well as the effects of building envelopes (e.g., windows, doors, walls and roofs, etc.) on energy consumption. All future development projects processed under the proposed Focused GPU and Zoning Amendments would be required to comply with the 2019 Title 24 CALGreen standards.

Future developments within the Planning Area would be required to be constructed pursuant to current electrical codes, including Title 24 of the State Building Code, which would satisfy City of Garden Grove General Plan Conservation Element Policy CON-4.1 (integrate energy efficiency and conservation requirements that exceed State standards into the development review and building permit processes) and Policy CON-IMP-4A (adopt Energy Efficiency Standards for new and remodeled buildings that exceed Title 24 building standards). Future developments would also be subject to site plan and design review by the City of Garden Grove. If any exemptions or expedited reviews are feasible, the City would provide such at the time of future development. Therefore, the City would comply with City of Garden Grove General Plan Conservation Element Policy CON-4.2 (create incentives such as expedited permit processing, technical assistance, and other methods that will encourage energy efficiency technology and practices).

The Southern California Association of Governments (SCAG) 2045 RTP/SCS Connect SoCal is a growth strategy and transportation plan whose primary intent is to demonstrate how the SCAG region would meet its GHG reduction target through the year 2045. Because the proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists, it could conflict with the 2045 RTP/SCS Connect SoCal. Therefore, impacts are potentially significant and will be analyzed in the Program EIR.

4.7 – Geology and Soils

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Directly or indirectly cause 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? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input 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, or that would become 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 18-1-B of the Uniform Building Code (1997), creating substantial direct or indirect 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 waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:

a.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? Refer to Division of Mines and Geology Special Publication 42.

Less Than Significant Impact. The City of Garden Grove is located in a seismically active region of Southern California; however, no Alquist-Priolo Earthquake Fault Zones have been identified in the City.¹³ Two fault traces associated with the inactive Pelican Hills Fault Zone traverse the central and western portions of the Planning Area in a northwest-to-southwest trending direction. The Newport-Inglewood, Whittier, and Palos Verdes Faults are active faults that occur within the Planning Area and are the most likely to cause high ground acceleration. The San Andreas Fault has the highest probability of generating a maximum credible earthquake in California. The Norwalk Fault, though closer to the City, is predicted to generate smaller magnitude earthquakes as it is not a designated Alquist-Priolo Earthquake Fault. All future development projects within the Planning Area will be subject to applicable Federal, State, and local building code regulations, including the California Building Code (CBC) seismic standards as approved by the Garden Grove Building and Safety Division. As there are no Alquist-Priolo Earthquake Fault Zones within or in close proximity to the Planning Area, impacts will be less than significant. Nonetheless, analysis of this topic will be included in the Program EIR.

a.ii) Strong seismic ground shaking?

Less Than Significant Impact. The Planning Area is located in Southern California, an area that is subject to strong seismic ground shaking. All future developments within the Planning Area will be subject to the seismic design criteria of the California Building Code (CBC). The 2019 California Building Code (CBC; Title 14, California Code of Regulations, Part 2) contains seismic safety provisions designed to prevent building collapse during a design earthquake. A design earthquake is one with a two percent chance of exceedance in 50 years, or an average return period of 2,475 years. Although structures may be damaged during earthquakes, adherence to seismic design requirements would minimize damage to property as structures would be designed not to collapse. Adherence to existing regulations would reduce the risk of loss, injury, and death; therefore, impacts due to strong ground shaking would be less than significant. Nonetheless, analysis of this topic will be included in the Program EIR.

a.iii) Seismic-related ground failure, including liquefaction?

Less than Significant Impact. Liquefaction is a phenomenon that occurs when soil undergoes transformation from a solid state to a liquefied condition due to the effects of increased pore-water pressure. This typically occurs where susceptible soils (particularly soils in the medium sand to silt range) are located over a high groundwater table. A high groundwater table is described as one within 50 feet of the surface. According to the City of Garden Grove 2030 General Plan (Exhibit SAF-2), a majority of the Planning Area has been subject to historic occurrence of liquefaction, or local geological, geotechnical, and groundwater conditions indicate a potential for permanent ground displacement such that mitigation, as defined in Public Resources Code Section 2693(c),

would be required. Appropriate measures that reduce the ground shaking and liquefaction effects of earthquakes are identified in the California Building Code, including specific provisions for seismic design, and addressed in the City of Garden Grove General Plan goals and policies, including Goal SAF-6, Policy SAF-6.1, and SAF-6.3 of the Safety Element. Development within the City requires investigation for liquefaction potential. The Seismic Hazards Mapping Act specifies that the lead agency of a project may withhold development permits until geologic or soils investigations are conducted for specific sites and mitigation measures are incorporated into plans to reduce hazards associated with seismicity and unstable soils. If a geologic report concludes liquefaction impacts cannot be reduced to less than significant, with mitigation as necessary, development will not be permitted. Given the highly developed nature of the Planning Area, the proposed Focused GPU and Zoning Amendments would not result in direct or indirect seismic-related ground failure, including liquefaction with compliance with existing CBC regulations (Chapter 18), which would limit liquefaction impacts from future developments to less than significant. Nonetheless, analysis of this item will be included in the Program EIR.

a.iv) **Landslides?**

No Impact. Structures built below or on slopes subject to failure or landslides may expose people and structures to harm. The Planning Area is a flat urbanized setting devoid of steep slopes. Further, the Planning Area is not mapped as an area of potential earthquake-induced landslide movement on the State of California Seismic Hazards Zones Map. Therefore, future development within the Planning Area would not expose people or structures to injury or loss due to landslides. Nonetheless, analysis of this item will be included in the Program EIR.

b) **Result in substantial soil erosion or the loss of topsoil?**

Less than Significant Impact. There is a low likelihood of native topsoil occurring in the Planning Area because it has been almost entirely developed and covered with paving and structures. Future development within the Planning Area would have the potential to expose superficial soils to wind and water erosion during construction activities. However, wind erosion would be minimized through soil stabilization measures required by SCAQMD Rule 403 (Fugitive Dust), such as daily watering. Water erosion would be prevented through the City of Garden Grove's standard erosion control practices required pursuant to the CBC and the National Pollution Discharge Elimination System (NPDES), such as the use of silt fencing or sandbags. Following the construction of potential future developments, sites would be covered completely by paving, structures, and landscaping. Therefore, impacts due to erosion of topsoil would be less than significant with implementation of existing regulations. Nonetheless, analysis of this item will be included in the Program EIR.

c) **Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?**

Less Than Significant Impact. Lateral spreading of the ground surface during a seismic activity usually occurs along the weak shear zones within a liquefiable soil layer and has been observed to generally take place toward a free face (i.e., retaining wall, slope, or channel) and to lesser extent on ground surfaces with a very gentle slope. Liquefaction is a phenomenon that occurs when soil undergoes transformation from a solid state to a liquefied condition due to the effects of increased pore-water pressure. This typically occurs where susceptible soils (particularly soils in the medium sand to silt range) are located over a high groundwater table. Affected soils lose all strength during liquefaction and foundation failure can occur. According to the Seismic Hazard Evaluation of the Anaheim 7.5-minute quadrangle, approximately two-thirds of the Planning Area is located in Zone

of Required Investigation for liquefaction. This indicates that the area has been subject to historic occurrence of liquefaction, or local geological, geotechnical, and groundwater conditions indicate a potential for permanent ground displacement such that mitigation as defined in Public Resources Code Section 2693(c) would be required. Appropriate measures that reduce the ground shaking and liquefaction effects of earthquakes are identified in the California Building Code, including specific provisions for seismic design, and addressed in the City of Garden Grove General Plan goals and policies, including Goal SAF-6, Policy SAF-6.1, and SAF-6.3 of the Safety Element. Development within the City requires investigation for liquefaction potential. The Seismic Hazards Mapping Act specifies that the lead agency of a project may withhold development permits until geologic or soils investigations are conducted for specific sites and mitigation measures are incorporated into plans to reduce hazards associated with seismicity and unstable soils. If a geologic report concludes liquefaction impacts cannot be reduced to less than significant, with mitigation as necessary, development will not be permitted. Given the highly developed nature of the Planning Area, the requirement that new development prepare a site-specific geology report (Garden Grove General Plan Safety Element Policy SAF-IMP-6C) and adherence to the California Building Code, future development that would occur under the proposed Focused GPU and Zoning Amendments would result in a less-than-significant impact related to unstable soils. Nonetheless, analysis of this topic will be included in the Program EIR.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1997), creating substantial direct or indirect risks to life or property?

Less than Significant Impact. The Planning Area is comprised of more than 11,400 acres, and site specific soil conditions throughout the area vary. Because the Planning Area is completely developed, subsurface soils in most cases, would have been excavated and compacted in accordance with standard building code practices, including removal of any expansive or other non-engineered soils. Future development within the Planning Area would be subject to standard building code practices for soils and foundations. In addition, Safety Element SAF-IMP-6C would require a site specific analysis for projects that are subject to expansive soils. With adherence to existing regulations (including Policy SAF-IMP-6C), impacts related to expansive soils would be less than significant. Nonetheless, analysis of this topic will be included in the Program EIR.

e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?

No Impact. No development within the Planning Area would require septic systems as a fully functional wastewater system is in place. No septic tank impact could occur. Nonetheless, analysis of this topic will be included in the Program EIR.

f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Potentially Significant Impact. Paleontological resources are buried fossil remains. Surficial and near-surface paleontological resources in the Planning Area most likely would have been destroyed or recovered as a result of past development and redevelopment; therefore, it is unlikely that paleontological resources are located within the Planning Area. However, the proposed Focused GPU and Zoning Amendments support development that could include subsurface parking resulting in the disturbance of soils and bedrock at depths not previously disturbed by existing or past development. As such, future development could result in impacts to such paleontological resources. Potential impacts to paleontological resources will be evaluated in the Program EIR.

4.8 – Greenhouse Gas Emissions

Would the project:	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
A) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) **Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?**

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would allow for an increase in the intensity and density of development within the Planning Area which would generate greenhouse gas (GHG) emissions from energy demand, mobile, water demand, wastewater generation, and solid waste generation sources. GHG emissions could directly or indirectly have a significant impact on the environment. Potential impacts related to GHG emissions will be evaluated in the Program EIR.

b) **Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?**

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would allow for an increase in the amount of development within the Planning Area and could conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHG. Potential impacts related to GHG emissions and efforts to reduce GHG emissions will be evaluated in the Program EIR.

4.9 – Hazards and Hazardous Materials

Would the Project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter 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 materials 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 checked="" type="checkbox"/>	<input 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 result in a safety hazard or excessive noise for people residing or working in the project area?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Less Than Significant Impact. Implementation of the proposed Focused GPU and Zoning Amendments could result in a significant hazard to the public if future development includes the routine transport, use, or disposal of hazardous materials during construction or operation, or places housing near a facility that routinely transports, uses, or disposes of hazardous materials. Future construction under the proposed Focused GPU and Zoning Amendments would involve the use and transport of hazardous materials such as asphalt, paints, and other solvents. Construction activities could also produce hazardous wastes associated with the use of such products. Development under the proposed Focused GPU and Zoning Amendments would require ordinary construction activities and would not require a substantial or uncommon amount of hazardous materials. All hazardous materials are required to be utilized and transported in accordance with their labeling pursuant to federal and state law. Routine construction practices include good housekeeping measures to prevent/contain/clean-up spills and contamination from fuels, solvents, concrete wastes, and other waste materials. Therefore, future construction-related impacts would be less than significant. Nonetheless, analysis of this topic will be included in the Program EIR.

The routine use, transport, or disposal of hazardous materials is primarily associated with industrial uses, which require such materials for manufacturing operations or produce hazardous wastes as by-products of production. The proposed Focused GPU and Zoning Amendments do not support uses that would result in substantial use, transport, and/or disposal of hazardous materials or wastes typically associated with heavy industrial uses. While the proposed Focused GPU and Zoning Amendments would include light industrial and industrial mixed-use designations, these land use designations would not permit the above-described activities. Operation of future commercial and residential uses within the Planning Area would result in the use of hazardous materials common to these types of land uses, including paints and other solvents, cleaners, and pesticides. The remnants of these and other products are disposed of as household hazardous waste (HHW), which also include used batteries, electronic wastes, and other wastes that are prohibited or discouraged from being disposed of at local landfills. Future developments within the Planning Area would be required to adhere to existing federal, state and local regulations pertaining to HHW. Use of common household hazardous materials and their disposal does not present a substantial health risk to the community. Therefore, the Project would not result in significant impacts involving use, storage, transport or disposal of hazardous wastes and substances.

Based on the preceding analysis of future construction and operational activities within the Planning Area, impacts associated with the routine transport, use of hazardous materials or wastes would be less than significant with implementation of existing regulations. Nonetheless, analysis of this topic will be included in the Program EIR.

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?

Potentially Significant Impact. *Asbestos.* Activities associated with the demolition of the existing structures in the Planning Area that were constructed in the 1950s and 1960s may pose a hazard with regard to asbestos-containing materials (ACM). ACM were used on a widespread basis in building construction prior to and into the 1980s. Asbestos generally does not pose a threat when it remains intact. When asbestos is disturbed and becomes airborne, such as during demolition activities, significant impacts to human health could occur. Construction workers completing demolition activities, as well as surrounding uses, have the potential to be exposed to airborne

asbestos emissions due to the potential presence of ACM. SCAQMD Rule 1403 (Asbestos Emissions from Demolition/Renovation Activities) requires work practices that limit asbestos emissions from building demolition and renovation activities, including the removal and disturbance of ACM.¹⁴ This rule is designed to protect uses and persons adjacent to demolition or renovation activity from exposure to asbestos emissions. Rule 1403 requires a certified inspector to survey any facility being demolished or renovated for the presence of all friable and Class I and Class II non-friable ACM. The applicant must also notify SCAQMD of their intent to perform demolition or renovation of any buildings that may contain asbestos prior to demolition and requires that all ACM is removed prior to any demolition. Rule 1403 also establishes notification procedures, removal procedures, handling and clean-up procedures, storage, disposal, landfilling requirements, and warning label requirements, including HEPA filtration, the glovebag method, wetting, and some methods of dry removal that must be implemented when disturbing appreciable amounts of ACM (more than 100 square feet of surface area). Adherence to SCAQMD Rule 1403 would ensure that impacts related to the release of ACM are less than significant. No further analysis related to asbestos is required.

Lead-Based Paints. Exposure of construction workers to lead-based paint during demolition activities is also of concern, similar to exposure to asbestos. Exposure of surrounding land uses to lead from demolition activities is generally not a concern because demolition activities do not result in appreciable emissions of lead.¹⁵ Specific testing is required to determine if paint or other materials used in the construction of buildings within the Planning Area contains significant levels of lead. Improper disposal of lead-based paint can contaminate soil and subsurface groundwater in and under landfills not properly equipped to handle hazardous levels of this material. If lead-based paint exists in structures proposed for future demolition within the Planning Area, 8 CCR Section 1532.1 (California Construction Safety Orders for Lead) would be applicable, requiring exposure assessment and compliance measures to keep worker exposure below actionable levels. Future demolition within the Planning Area would also be subject to Title 22 requirements for the disposal of solid waste contaminated with excessive levels of lead. Testing, monitoring, containment, and disposal of lead-based materials will comply with all Cal/OSHA standards and regulations under California Construction Safety Orders for Lead section 1532. Adherence to existing regulations would ensure that impacts related to the release of lead based paints would be less than significant. No further analysis related to lead-based paints is required.

According to the State Water Resources Control Board, there are ten open cases of leaking underground storage tanks (LUST) within the Planning Area.¹⁶ The potential exists for some contamination to be exposed during redevelopment activities and in the event of reasonably foreseeable upset and accident conditions. Therefore, potentially significant impacts could occur as a result of implementation of the proposed Focused GU and Zoning Amendments. The potential impact related to accidental release of hazardous materials will be evaluated in the Program EIR.

c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Less Than Significant Impact. There are several schools throughout the Planning Area. The proposed Focused GPU and Zoning Amendments do not support uses that would result in substantial use, transport, and/or disposal of hazardous materials or wastes typically associated with industrial uses. Operation of future developments within the Planning Area would result in the use of widely used common hazardous materials, which typically include paints and other solvents, cleaners, and pesticides. The remnants of these and other products are disposed of as household hazardous waste (HHW), which also includes used batteries, electronic wastes, and other wastes that are prohibited or discouraged from being disposed of at local landfills. Implementation of the Project would not result in significant impacts involving use, storage, transport or disposal of

hazardous wastes and substances. Use of common household hazardous materials and their disposal does not present a substantial health risk to the community. Project impacts would be less than significant. Nonetheless, analysis of this topic will be included in the Draft Program EIR.

d) Be located on a site which is included on a list of hazardous materials 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?

Potentially Significant Impact. No property within the Planning Area is identified on the *Cortese List*, which includes hazardous waste and substance sites listed by the Department of Toxic Substances Control (DTSC), hazardous solid waste disposal sites as listed by the SWRCB, Cease and Desist Order (CDO) or Cleanup and Abatement Order (CAO) sites as issued by the SWRCB, or hazardous waste facilities subject to corrective action by the DTSC.^{17 18 19 20} However, there are ten leaking underground storage tank sites, in addition to seven Cleanup Program sites within the Planning Area.²¹ The potential exists for some contamination to be exposed during redevelopment activities. Therefore, potentially significant impacts could result due to implementation of the proposed Focused GU and Zoning Amendments: this topic will be evaluated in the Program EIR.

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 or excessive noise for people residing or working in the project area?

Potentially Significant Impact. There are no public airports or private airstrips within two miles of the Planning Area. However, the Joint Forces Training Base - Los Alamitos (JFTBLA) is located immediately west of the Planning Area. New development associated with implementation of the proposed Focused GPU and Zoning Amendments could be exposed to safety hazards or excessive noise, and this topic will be analyzed within the Program EIR.

f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Less than Significant Impact. Implementation of the proposed Focused GPU and Zoning Amendments, and future development within the Planning Area, would not result in permanent road closures or other features that could physically impact rescue and evacuation efforts within or surrounding the Planning Area. Per state Fire and Building Codes, sufficient space will have to be provided around buildings on future development sites for emergency personnel and equipment access and emergency evacuation both during the construction and operational phases of new development. All elements of future development within the Planning Area would be sited with sufficient clearance from existing and proposed structures so as not to interfere with emergency access to and evacuation from the facility. All future developments would be required to comply with the California Fire Code, as enforced by the Orange County Fire Authority, and as adopted by the Garden Grove Municipal Code (Chapter 18.32: Fire Code). The proposed Focused GPU and Zoning Amendments would not impair implementation of or physically interfere with an adopted emergency response plan or evacuation plan. Impacts to emergency response or evaluation plans from the Project will be less than significant. Nonetheless, analysis of this topic will be included in the Program EIR.

g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

No Impact. As noted by CALFIRE Fire Hazard Severity Zone Maps, the entire Planning Area is urbanized, not located in a State Responsibility Area, and is not considered an area of high

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wildland fire threat.²² Furthermore, as determined by the City of Garden Grove 2030 General Plan Land Use Element, the City is not located in a fire threat zone. Therefore, implementation of the proposed Focused GPU and Zoning Amendments would not expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires. Nonetheless, analysis of this topic will be included in the Program EIR.

4.10 – Hydrology and Water Quality

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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, or through the addition of impervious surfaces, in a manner which would:				
i) result in substantial erosion or siltation on-or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or-offsite;	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iii) 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; or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv) Impede or redirect flood flows?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?

Less than Significant Impact. Future development within the Planning Area would be subject to the provisions of the National Pollution Discharge Elimination System (NPDES) to protect downstream water quality pursuant to the Clean Water Act (CWA). Discharges into stormwater drains or channels from construction sites of one acre or larger are regulated by the General Permit for Storm Water Discharges Associated with Construction Activity (Order 2009-0009-DWQ as amended by 2010-0014-DWQ and 2012-0006-DWQ) issued by the State Water Quality Control Board. The General Permit was issued pursuant to the NPDES regulations of the Environmental Protection Agency (EPA), as authorized by the Clean Water Act. Compliance with the General Permit involves developing and implementing a Storm Water Pollution Prevention Plan (SWPPP) specifying best management practices (BMPs). The SWPPP BMPs would follow the guidelines set forth by the State Water Resources Control Board (SWRCB).

On November 8, 2010, the California Regional Water Quality Control Board (RWQCB), Santa Ana Region, adopted an updated NPDES Municipal Permit, Order No. R8-2009-0030, as amended by Order No. R8-2010-0062 (Municipal Permit) to regulate discharges to storm water conveyance systems within Orange County. Proponents of future projects within the Planning Area would be required to comply with NPDES permit requirements through the preparation and implementation of a SWPPP and Erosion Control Plan for construction activities. The City implements NPDES requirements through Municipal Code Chapter 6.40 (Stormwater Quality). Impacts to water quality due to construction activities would be less than significant with implementation of existing regulations. Nonetheless, analysis of water quality impacts from construction activities will be included in the Draft Program EIR.

Operationally, Garden Grove Municipal Code Chapter 6.40 requires that future development and uses incorporate post-construction BMPs into their designs as outlined by the City of Garden Grove's Local Standard Urban Stormwater Management Plan (SUSMP). The Municipal Code also identifies the City's minimum BMP requirements as: 1) source control BMPs including storm drain stenciling and signage, properly designated and covered material and trash storage areas, and the use of efficient irrigation systems; 2) low impact development (LID) BMPs providing retention, slow runoff, minimization of impervious footprint, directing runoff into landscaping, and promoting water conservation; 3) provide buffer zones for natural water bodies; 4) implement requirements outlined in the Municipal Code and the City's BMP Manual during grading and construction activities; 5) submittal of proof of ongoing long term maintenance for all structural post-construction BMPs.

Applications for future development would be required to submit: 1) checklist for new development and redevelopment projects; 2) grading plan checklist; 3) post-construction BMP plan (water quality technical report or Stormwater Quality Management Plan); 4) Operation and Maintenance Plan; and 5) hydrology and hydraulics study. Therefore, the potential impacts to water quality resulting from operation of future developments within the Planning Area would be less than significant with implementation of existing regulations. Nonetheless, analysis of water quality impacts will be included in the Program EIR.

b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support long-term development and redevelopment within the Planning Area at densities and intensities higher than currently exists. This growth could result in a substantial increase in the use

of groundwater resources that could ultimately result in the lowering of the water table, thereby impacting operation of existing wells. The project could have a potentially significant impact related to groundwater supplies, and potential impacts to groundwater supplies and groundwater recharge will be evaluated in the Program EIR.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces, in a manner which would:

i) Result in substantial erosion or siltation on-or off-site?

No Impact. The Planning Area is completely urbanized with a fully functional storm drain system. There is a channelized drainage canal that runs through the western portion of the Planning Area and the Santa Ana River is located less than a mile east of the Planning Area. The drainage pattern of properties within the Planning Area has been engineered through past and present development to avoid alteration of these channels and rivers and not result in on- or off-site erosion as all properties convey storm water to the existing storm drain system. Future development within the Planning Area would be subject to entitlement and building permit requirements which require submittal of grading and drainage plans that identify on-site drainage design and the provisions for cross-lot drainage and/or conveyance to off-site facilities (see Municipal Code Chapter 6.40, for design standards and performance requirements). Implementation of existing requirements would ensure that on- and off-site erosion does not occur as a result of implementation of the proposed Focused GPU and Zoning Amendments. Therefore, the Project will not result in substantial erosion or siltation on- or off-site. Nonetheless, analysis of on- and off-site erosion will be included in the Program EIR.

ii) Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or-offsite?

No Impact. The Planning Area is completely urbanized with a fully functional storm drain system. There is a channelized drainage canal that runs through the western portion of the Planning Area and the Santa Ana River is located less than a mile east of the Planning Area. The drainage pattern of properties within the Planning Area have been engineered through past and present development to avoid alteration of these channels and rivers and not result in on- or off-site flooding as all properties convey storm water to the existing storm drain system. Future development within the Planning Area would be subject to entitlement and building permit requirements which require submittal of grading and drainage plans that identify on-site drainage design and the provisions for cross-lot drainage and/or conveyance to off-site facilities (see Municipal Code Chapter 6.40, for design standards and performance requirements). Implementation of existing requirements would ensure that on- and off-site flooding do not occur as a result of implementation of the proposed Focused GPU and Zoning Amendments. Therefore, the Project will not substantially increase the rate or amount of surface runoff in a manner which would result in flooding on-or-offsite. Nonetheless, analysis of impacts related to on- and off-site flooding will be included in the Program EIR.

iii) 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?

Less Than Significant Impact. The Planning Area is fully urbanized. Remaining pervious surfaces consist of landscaped areas, park space, and roadway medians. Future development within the Planning Area could result in new development patterns that could increase impervious surfaces on specific sites, which could result in additional stormwater runoff to local and regional storm drain

and flood control facilities. However, pursuant to NPDES requirements and current focus on Low Impact Development (LID) standards, no increase in stormwater runoff from any development within the Planning Area would be permitted. Any calculated increase in stormwater runoff, as identified in a future project's WQMP, would be required to be absorbed and/or retained on site. Therefore, implementation of the proposed Focused GPU and Zoning Amendments would be expected to result in a less-than-significant impact related to stormwater drainage systems. Nonetheless, analysis of impacts related to storm drain capacity will be included in the Program EIR.

iv) Impede or redirect flood flows?

Potentially Significant Impact. Portions of the Planning Area are located in a Special Flood Hazard Area, as mapped by the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps. As such, the Planning Area is subject to inundation by the 1% annual chance flood.²³ As the Planning Area could experience flooding, this potential impact is considered potentially significant and will be evaluated in the Program EIR.

d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?

Potentially Significant Impact. The Planning Area is not located in a tsunami or seiche zone. Portions of the Planning Area are located in a Special Flood Hazard Area, as mapped by the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps; therefore, the Planning Area is subject to inundation by the 1% annual chance flood. Future developments within the Planning Area would be subject to potential flood hazards and risk of impacts related to release of pollutants due to inundation. As the Planning Area could experience flooding, this potential impact is considered potentially significant and impacts related to flood hazards will be evaluated in the Program EIR.

e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

Potentially significant Impact. The proposed Focused GPU and Zoning Amendments would support long-term development and redevelopment within the Planning Area at densities and intensities higher than what currently exists. This growth could result in a substantial increase in the use of groundwater resources that could ultimately result in the lowering of the water table, thereby impacting operation of existing wells. Therefore, implementation of the proposed Focused GPU and Zoning Amendments could potentially conflict with or obstruct implementation of the applicable groundwater management plan. Impacts to groundwater levels will be evaluated in the EIR.

4.11 – Land Use and Planning

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
A) Physically divide an established community?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Physically divide an established community?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support long-term development and redevelopment within the Planning Area at densities and intensities higher than what currently exists. Given this fact, it is possible that an established community could be physically divided as a result of implementation of the Project. Impacts related to division of established communities will be analyzed further in the EIR.

b) Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support development and redevelopment within the Planning Area at densities and intensities higher than currently exists. The Garden Grove General Plan contains many policies, some of which may compete with each other. It is possible that specific development proposed and in conformance with the Focused GPU and Zoning Amendments may not meet every policy within the General Plan. Given this fact, it is possible that implementation of the Project could cause a significant environmental impact due to a conflict with a land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect. For example, the policies and provisions of the updated Housing Element (6th Cycle) are required by State law to accommodate the City’s Regional Housing Needs Allocation (RHNA) goal of 19,168 dwelling units will likely conflict with SCAG’s 2020 RTP/SCS (Connect SoCal) because the growth projections used for the RTC/SCS does not include the City’s RHNA goal. Impacts related to potential policy conflicts will be analyzed further in the Program EIR.

4.12 – Mineral Resources

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
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"/>

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?**

No Impact. No known mineral resources exist within the City of Garden Grove.²⁴ Therefore, the proposed Focused GPU and Zoning Amendments would not result in the loss of availability of important minerals. No further analysis is required in the Program EIR.

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?**

No Impact. According to the City of Garden Grove General Plan 2030 Conservation Element, no known mineral resource recovery site exists within the Planning Area. Therefore, the proposed Focused GPU and Zoning Amendments would not 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. No further analysis is required in the Program EIR.

4.13 – Noise

Would the project result in:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Potentially Significant Impact. Construction activities and ongoing activities associated with new development within the Planning Area would generate temporary, periodic, and potentially permanent sources of noise. Temporary noise increases would be generated by construction activities. Periodic noise would be generated from common urban sources such as delivery loading and unloading, landscape maintenance, and special events. Permanent increases in ambient noise would result from incremental increase in traffic volumes due to more intense development than existing conditions. Potential increases in noise levels could result in the exceedance of General Plan and/or Municipal Code noise standards. Potential impacts will be evaluated further in the Program EIR.

b) Generation of excessive groundborne vibration or groundborne noise levels?

Potentially Significant Impact. Construction activities and ongoing operational activities associated with new development within the Planning Area could generate temporary, periodic, and potentially permanent sources of noise and vibration. Temporary vibration impacts would be generated by construction activities. Permanent increase in vibration could result from incremental increase in traffic volumes due to more intense development or other operational sources.

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Increases in vibration could result in impacts to current residents and structures. Potential impacts will be evaluated further in the Program EIR.

c) For a project located within the vicinity of a private airstrip or 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?

Potentially Significant Impact. The Joint Forces Training Base - Los Alamitos (JFTBLA) is located immediately adjacent to the western boundary of the Planning Area. A large portion of the Planning Area is located within the land use compatibility plan for the base. As such, impacts related to excessive noise could be potentially significant and will be analyzed in the Program EIR.

4.14 – Population and Housing

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Induce substantial unplanned 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Induce substantial unplanned 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)?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments are designed specifically to encourage growth in the Planning Area through the development of new mixed-use development and multifamily housing. This could result in previously unanticipated growth in the Planning Area. Potential impacts related to substantial growth will be evaluated in the Program EIR.

b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments include no physical changes to the Planning Area or provisions that would remove existing housing. The proposed Focused GPU and Zoning Amendments are designed to encourage new development of residential uses, would support housing over the long-term, and continues the use of zoning districts for mixed-use development. Buildout of the proposed Focused GPU and Zoning Amendments has the potential to result in an additional 20,242 dwelling units in the Planning Area, which would allow for the City to meet its State-mandated Regional Housing Needs Allocation (RHNA). However, since the Focused GPU and Zoning Amendments include up zoning and the redesignation of residential land uses, there is the potential for future displacement of existing residents. Potential impacts related to displacement of substantial numbers of existing people or housing will be evaluated in the Program EIR.

4.15 – Public Services

Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, 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:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Fire protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Police protection?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Parks?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Other public facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) **Fire protection?**

Potentially Significant Impact. The Planning Area is served by the Orange County Fire Authority (OCFA).²⁵ Fire services are funded through taxes which would incrementally increase as new development occurs within the Planning Area. Facilities are expanded or renovated incrementally as growth in the Planning Area increases. The future construction of fire protection facilities would be subject to standard environmental review processes to determine if potentially significant impacts would occur and appropriate mitigation measures would be incorporated, as necessary, pursuant to CEQA. However, because the proposed Focused GPU and Zoning Amendments would support increased development and redevelopment within the Planning Area at densities and intensities higher than currently exists, impacts to fire protection facilities could be potentially significant. As such, potential impacts related to impacts to fire protection services will be evaluated in the Program EIR.

b) **Police protection?**

Potentially Significant Impact. The Planning Area is served by the Garden Grove Police Department.²⁶ Police protection facilities would be expanded or renovated incrementally as development and police service demand in the Planning Area increases. The future construction of police facilities would be subject to standard environmental review processes to determine if potentially significant impacts would occur and appropriate mitigation measures would be incorporated, as necessary, pursuant to CEQA. However, because the proposed Focused GPU and Zoning Amendments would support increased development and redevelopment within the Planning Area at densities and intensities higher than currently exists, impacts to police protection facilities could be potentially significant. As such, potential impacts related to impacts to police protection services will be evaluated in the Program EIR.

c) **Schools?**

Less than Significant Impact. The Planning Area is served by the Garden Grove Unified School District.²⁷ Schools are funded through development impact fees pursuant to the Leroy F. Green School Facilities Act and would be paid prior to issuance of building permits. School facilities would be expanded or renovated incrementally as growth in the Planning Area increases. The future construction of school facilities would be subject to standard environmental review processes to determine if potentially significant impacts would occur and appropriate mitigation measures would be incorporated, as necessary, pursuant to CEQA. Impacts would be less than significant with implementation of existing regulations. Nonetheless, analysis of this topic will be included in the Program EIR.

d) **Parks?**

Potentially Significant Impact. Parks within the City are maintained by the Community Services – Parks & Recreation Department. The dedication of parkland or payment of in-lieu fees is regulated pursuant to Municipal Code Chapter 9.44.030 (In-Lieu Park Fees (Quimby)). Parks and recreation facilities would be expanded or renovated incrementally as growth in the Planning Area increases. Construction of parks and recreation facilities would be subject to standard environmental review processes to determine if potentially significant impacts would occur and appropriate mitigation measures would be incorporated, as necessary, pursuant to CEQA. However, because the proposed Focused GPU and Zoning Amendments would support increased development and redevelopment within the Planning Area at densities and intensities higher than currently exists, impacts to park facilities could be potentially significant. As such, potential impacts related to impacts to park facilities will be evaluated in the Program EIR.

e) **Other public facilities?**

Potentially Significant Impact. The Planning Area is served by three public libraries: the Garden Grove Main Library, the Chapman Branch Library, and the Tibor Rubin Library.²⁸ Library services are funded through taxes and funding would incrementally increase as new development occurs within the Planning Area. Library facilities would be expanded or renovated incrementally as demand in the Planning Area increases. The future construction of library facilities would be subject to standard environmental review processes to determine if potentially significant impacts would occur and appropriate mitigation measures would be incorporated, as necessary, pursuant to CEQA. However, because the proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists, impacts to library facilities could be potentially significant. As such, potential impacts related to impacts to library facilities will be evaluated in the Program EIR.

4.16 – Recreation

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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?

Potentially Significant Impact. Development and redevelopment activity within the Planning Area would result in new residential units, resulting in the incremental increase in demand for local and regional park facilities. Garden Grove has a well-developed park and trails system. The proposed Focused GPU and Zoning Amendments include development incentives that are anticipated to result in the provision both public and private recreation spaces within the Planning Area. Also, future residential development within the Planning Area would be subject to Municipal Code Chapter 9.44.030 (In-Lieu Park Fees (Quimby)) requiring the dedication of parkland or the payment of fees for parks and recreational facilities. In addition, the proposed Environmental Justice Element calls for increased access to parks and recreation facilities. The design features of the proposed Focused GPU and Zoning Amendments, coupled with the development impact fee requirements of the Municipal Code, would help to compensate for the incremental increase in demand for parks and recreation facilities associated with new residential development. However, because the proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists, impacts to existing parks and recreation facilities could be potentially significant. As such, potential impacts related to existing parks and recreation facilities will be evaluated in the Program EIR.

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?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments include incentives and standards for the provision of open space within the Planning Area. The construction and operation of these types of facilities generally do not result in substantial impacts to the environment. The development of on-site open space recreation facilities would be accessory to the primary development on individual sites, so recreation facility development impacts would likely include nominal construction activities such as fine grading, pouring of concrete, installation of playground and other activity facilities, minor construction of accessory

buildings such as bathrooms, and installation of landscaping and outdoor lighting. These types of construction activities generally do not result in significant impacts to the environment and are common in urban environments. However, because the proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists, impacts related to the construction of new parks and recreation facilities could be potentially significant. As such, potential impacts related to construction of new parks and recreation facilities will be evaluated in the Program EIR.

4.17 – Transportation and Traffic

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. Development growth within the Planning Area could result in increased trip generation that could potentially impact the performance of the local and regional circulation system and could potentially conflict with a program plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities. Potential impacts from the proposed Focused GPU and Zoning Amendments will be evaluated in the Program EIR.

b) Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b)?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. Development growth within the Planning Area could result in substantial increases in vehicle miles traveled (VMT) and, therefore, could potentially conflict with or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b). A VMT analysis will be prepared and potential impacts from the proposed Focused GPU and Zoning Amendments will be evaluated in the Program EIR.

c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

No Impact. The proposed Focused GPU and Zoning Amendments do not include any altered street alignments or roadway configurations that could result in hazardous traffic conditions. The proposed Focused GPU and Zoning Amendments do not include any land use designations or zoning districts that support uses that could conflict with normal traffic operations. No impact would occur. Nonetheless, analysis of this topic will be included in the Program EIR.

d) Result in inadequate emergency access?

Less than Significant Impact. Future development projects within the Planning Area would be subject to fire code requirements and Orange County Fire Authority (OCFA) review and approval, thus providing for adequate emergency access. Adequate emergency access is provided in the forms of primary and secondary ingress and egress, adequate driveway width and slope to accommodate emergency vehicles, fire hydrant placement, and/or access requirements for gated facilities. Adequate emergency access would be required during both the construction and operational phases of any new development proposed as part of implementation of the proposed Focused GPU and Zoning Amendments. The proposed Focused GPU and Zoning Amendments do not include any development standards that would interfere with implementation of emergency access requirements. Impacts would be less than significant with adherence to existing regulations. Nonetheless, analysis of this topic will be included in the Program EIR.

4.18 – Tribal Cultural Resources

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a Cultural Native American tribe, and that is:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
a) Listed or eligible for listing in the California Register of Historical resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k), or	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a Cultural Native American tribe, and that is:

a) Listed or eligible for listing in the California Register of Historical resources, or in a local register of historical resources as defined in Public Resources Code Section 5020.1(k)?

Potentially Significant Impact. Assembly Bill 52 (AB 52) specifies that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource, as defined, is a project that may have a significant effect on the environment. Generally, AB 52 requires a lead agency to begin consultation with a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project, if the tribe requested to the lead agency, in writing, to be informed by the lead agency of proposed projects in that geographic area and the tribe requests consultation, prior to determining whether a negative declaration, mitigated negative declaration, or environmental impact report is required for a project. The tribe must respond, in writing, within 30 days of receipt of the formal notification to request

consultation. AB 52 specifies examples of mitigation measures that may be considered to avoid or minimize impacts on tribal cultural resources.

Senate Bill 18 (SB 18) incorporates the protection of California traditional tribal cultural places into land use planning for cities, counties, and agencies by establishing responsibilities for local governments to contact, refer plans to, and consult with California Native American tribes as part of the adoption or amendment of any general or specific plan proposed on or after March 1, 2005. SB18 requires public notice to be sent to tribes listed on the Native American Heritage Commission's SB18 Tribal Consultation list within the geographical areas affected by the proposed changes. Tribes must respond to a local government notice within 90 days (unless a shorter time frame has been agreed upon by the tribe), indicating whether or not they want to consult with the local government. Consultations are for the purpose of preserving or mitigating impacts to places, features, and objects described in Sections 5097.9 and 5097.993 of the Public Resources Code that may be affected by the proposed adoption or amendment to a general or specific plan.

Ground-disturbing activities associated with development carried out under the proposed Focused GPU and Zoning Code Amendments could result in damage to or destruction of Tribal Cultural Resources (TCR) as defined in *Public Resources Code section 5020.1(k)*. Archaeological materials associated with past occupation within the Planning Area are likely to exist and have the potential to provide important cultural and scientific information. The Focused GPU supports development that could include but is not limited to the new construction of residential housing, commercial buildings and warehouses, road improvements, and supporting infrastructure, resulting in the disturbance of soils at depths not previously disturbed by existing or past development. The potential for uncovering significant tribal cultural resources within the Planning Area during earthmoving construction activities is unknown. Nevertheless, ground-disturbing activities associated with proposed development projects within the Planning Area, where excavation depths exceed those previously attained or in un-surveyed parcels, have the potential to impact TCRs. Impacts will be further evaluated in the Program EIR.

b) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1? In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.

Potentially Significant Impact. As stated in response 4.18.a above, the potential for uncovering significant tribal cultural resources within the Planning Area during earthmoving construction activities is unknown. Moreover, ground--disturbing activities associated with proposed development projects within the Planning Area, where excavation depths exceed those previously attained or in un-surveyed parcels, have the potential to impact TCRs. Impacts will be further evaluated in the Program EIR.

4.19 – Utilities and Service Systems

Would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

a) Require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. This could potentially result in an increase in water demand and wastewater discharges. These increases could result in the need for new construction and or

expansion of conveyance facilities and changes in associated permits. Potential impacts to water and wastewater facilities will be evaluated in the Program EIR.

As discussed in Section 4.10.c.iii (Hydrology and Water Quality), the Planning Area is fully urbanized. Remaining pervious surfaces consist of landscaped areas, park space, and roadway medians. Future development within the Planning Area could result in new development patterns that could increase impervious surfaces on specific sites, which could result in additional stormwater runoff to local and regional storm drain and flood control facilities. However, pursuant to the applicable NPDES requirements and current focus on Low Impact Development (LID) standards, no increase in stormwater runoff from any development within the Planning Area would be permitted. Any calculated increase in stormwater runoff, as identified in a future project's WQMP, would be required to be absorbed and/or retained on site. Therefore, no increase in stormwater runoff is anticipated and storm drain capacity would not be impacted as a result of implementation of the proposed Focused GPU and Zoning Amendments. Nonetheless this issue will be addressed in the Program EIR.

As discussed in Section 4.6.a (Energy), given the fact that the proposed Focused GPU and Zoning Amendments would support development and redevelopment within the Planning Area at densities and intensities higher than what currently exists, it is possible that buildout of the proposed Focused GPU and Zoning Amendments could result in a potentially significant impact due to wasteful, inefficient, or unnecessary consumption of energy resources. This includes both electricity and natural gas resources which could have the effect of requiring or resulting in the relocation or construction of new or expanded facilities, the construction or relocation of which could cause significant environmental effects. Impacts related to relocation or construction of new or expanded facilities as a result of buildout of the proposed Focused GPU and Zoning Amendments will be evaluated in the Program EIR.

Although not expected to result in significant impacts, potential impacts to telecommunications facilities will also be evaluated in the Program EIR.

b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. This will result in an increase in water demand within the Planning Area. These increases could challenge current and/or future facilities, resulting in the need for new construction and or expansion of conveyance facilities and changes in associated permits. In addition, future development facilitated by the proposed Focused GPU and Zoning Amendments will result in an increase in water demand that could require the development of new or expanded supplies. Potential impacts related to water supplies will be evaluated in the Program EIR.

c) 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?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. This will result in an increase in wastewater discharges that could challenge current and/or future facilities, resulting in the need for new construction and or expansion of facilities. Potential impacts to wastewater facilities will be evaluated in the Program EIR.

d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?

Potentially Significant Impact. There are several landfills that will serve the Planning Area over the long-term depending on daily intake limits and annual capacity limitations. The proposed Focused GPU and Zoning Amendments would support new development and redevelopment within the Planning Area at densities and intensities higher than currently exists. This could result in an increase in the generation of solid waste in excess of the capacity of local landfills. Potential impacts related to the generation of excess solid waste will be evaluated in the Program EIR.

e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?

Less than Significant Impact. All uses within the Planning Area would be subject to applicable local and State regulations related to solid waste disposal and recycling, and no portion of the proposed Focused GPU and Zoning Amendments would conflict with implementation of such regulations. Impacts relating to adherence to existing regulations would be considered less than significant. Nonetheless, analysis of this topic will be included in the Program EIR.

4.20 – Wildfire

If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildlife risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk of that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

a) Substantially impair an adopted emergency response plan or emergency evacuation plan?

No Impact. As noted in Section 4.9.g (Hazards and Hazardous Materials), CALFIRE Fire Hazard Severity Zone Maps show that the entire Planning Area is urbanized, is not located in a State Responsibility Area, and is not considered an area of high fire threat. Furthermore, as determined by the City of Garden Grove 2030 General Plan Land Use Element, the City is not located in a fire threat zone. Therefore, implementation of the proposed Focused GPU and Zoning Amendments would not substantially impair an adopted emergency response plan or emergency evacuation plan. No further analysis of wildland fires is required.

b) Due to slope, prevailing winds, and other factors, exacerbate wildlife risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?

No Impact. As noted in Section 4.9.g (Hazards and Hazardous Materials), CALFIRE Fire Hazard Severity Zone Maps show that the entire Planning Area is urbanized and not considered an area of

high fire threat. Furthermore, as determined by the City of Garden Grove 2030 General Plan Land Use Element, the City is not located in a fire threat zone. Therefore, implementation of the proposed Focused GPU and Zoning Amendments would not exacerbate wildfire risks and thereby expose persons to pollutant concentrations from wildfire. No further analysis of wildland fires is required in the EIR.

c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk of that may result in temporary or ongoing impacts to the environment?

No Impact. As noted in Section 4.9.g (Hazards and Hazardous Materials), CALFIRE Fire Hazard Severity Zone Maps show that the entire Planning Area is urbanized and not considered an area of high fire threat. Furthermore, as determined by the City of Garden Grove 2030 General Plan Land Use Element, the City is not located in a fire threat zone. Therefore, implementation of the proposed Focused GPU and Zoning Amendments would not require the installation or maintenance of associated infrastructure that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment. No further analysis of wildland fires is required in the EIR.

d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

No Impact. As noted in Section 4.9.g (Hazards and Hazardous Materials), CALFIRE Fire Hazard Severity Zone Maps show that the entire Planning Area is urbanized and not considered an area of high fire threat. Furthermore, as determined by the City of Garden Grove 2030 General Plan Land Use Element, the City is not located in a fire threat zone. Therefore, implementation of the proposed Focused GPU and Zoning Amendments would not expose people or structures to significant risks related to wildfire. No further analysis of wildland fires is required in the EIR.

4.21 – Mandatory Findings of Significance

	Potentially Significant Impact	Less Than Significant with Mitigation Incorporation	Less Than Significant Impact	No Impact
a) Does the project 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 the major periods of California history or prehistory?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

a) Does the project 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 the major periods of California history or prehistory?

Potentially Significant Impact. The proposed Focused GPU and Zoning Amendments could result in significant impacts related to local and regional emissions of criteria pollutants which could degrade the quality of the environment. The proposed Focused GPU and Zoning Amendments could also result in significant impacts related to greenhouse gas emissions which could degrade the quality of the environment. The proposed Focused GPU and Zoning Amendments may also impact biological, historical, cultural, and/or paleontological resources. Based on the preceding analysis of potential impacts described in Sections 4.1 through 4.20 of this IS, this Project could degrade the quality of the environment, substantially impact biological resources, and/or eliminate important examples of the major periods of California history or prehistory. Impacts are potentially significant. Thus, an EIR will be prepared.

b) Does the project have impacts that are individually limited, but cumulatively considerable?

Potentially Significant Impact. Cumulative impacts could result from the interactions of environmental changes resulting from one proposed project with changes resulting from other past, present, and future projects that affect the same resources, utilities and infrastructure systems,

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public services, transportation network elements, air basin, watershed, or other physical conditions. Such impacts could be short term and temporary, usually consisting of overlapping construction impacts, as well as long term due to the permanent land use changes involved in the proposed Focused GPU and Zoning Amendments. Based on the preceding analysis in Sections 4.1 through 4.20, the proposed Focused GPU and Zoning Amendments have the potential to contribute considerably to short- and long-term cumulative impacts at local, regional, and global contexts. Cumulative impacts are potentially significant. Thus, an EIR will be prepared.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?

Potentially Significant Impact. The analysis documented in Section 4.1 through 4.20 identifies potential direct and indirect impacts to human beings related to air quality, biological resources, cultural resources, energy, paleontological resources, greenhouse gas emissions, hazards and hazardous materials, hydrology and water quality, noise, population and housing, public services, recreation, transportation, tribal cultural resources and utilities and services systems. Impacts are potentially significant. Thus, an EIR will be prepared.

5.1 – List of Preparers

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5.2 – Persons and Organizations Consulted

None

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5275 Orange Avenue
Cypress, CA 90630

Southern California Gas Company
District Operations Manager
12631 Monarch Avenue
Garden Grove, CA 92841

Orange County Sanitation District
10844 Ellis Avenue
Fountain Valley, CA 92708

City of Westminster
Planning Division
8200 Westminster Blvd
Westminster, CA 92683

Spectrum Pacific West LLC
General Manager
7142 Chapman Avenue
Garden Grove, CA 92841

Garden Grove Sanitation District
(Republic Services)
1131 N. Blue Gum Street
Anahiem, CA 92806

City of Los Alamitos
Planning Division
3191 Katella Ave,
Los Alamitos, CA 90720

Orange County Public Library
Garden Grove Regional Branch
11200 Stanford Avenue
Garden Grove, CA 92840

Orange County Clerk-Recorder
601 N. Ross Street
Santa Ana, CA 92701

City of Stanton
Planning Division
7800 Katella Ave
Stanton, CA 90680

City of Fountain Valley
Planning Services Division
10200 Slater Ave
Fountain Valley, CA 92708

Garden Grove Unified School
District
Gabriela Mafi, Ed.D
Superintendent
10331 Stanford Ave

City of Seal Beach
Planning Division
211 Eighth Street
Seal Beach, CA 90740

OC Development Services
County Service Center
601 North Ross Street
Santa Ana, CA 92701

State Clearinghouse
1400 10th St #12
Sacramento, CA 95814

City of Orange
Planning Division
300 E. Chapman Ave
Orange, CA 92866

City of Santa Ana
Planning Division
20 Civic Center Plaza
Santa Ana, CA 92701

Orange County Fire Authority
Planning and Development
1 Fire Authority Road
Irvine, CA 92602

Orange County LAFCO
2677 N. Main St., Suite 1050
Santa Ana, CA 92705

SCAG
900 Wilshire Blvd, Ste 1700
Los Angeles, California 90017

COG
1 Civic Center Plaza
Irvine, CA 92606

SCAQMD
21865 Copley Dr.
Diamond Bar, CA 91765

Joint Forces Training Base
11206 Lexington Dr
Los Alamitos, CA 90720

Orange County Transit Authority
550 S. Main Street
Orange, CA 92868

Union Pacific Railroad

Safety Department
Attn: Joel Strafelda
1400 Douglas St.
Omaha, NE 68179

Native American
Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691

Caltrans-District 12
1750 E 4th St #100
Santa Ana, CA 92705

City of Garden Grove Focused General Plan Update (Land Use, 2021-2029 Housing, Safety, and Environmental Justice Elements): Goals, Policies, and Implementation

Land Use Element

Well-Planned Growth with a Mix Of Uses

- Goal LU—1:** The City of Garden Grove is a well-planned community with sufficient land uses and intensities to meets the needs of anticipated growth and achieve the community’s vision.
- Policy LU-1.1** Identify appropriate locations for residential and non-residential development to accommodate growth through the year 2030 on the Land Use Diagram (Exhibit LU-3).
- Policy LU-1.2** Encourage modern residences in areas designated as Mixed Use. Mixed-use housing should minimize impacts on designated single-family neighborhoods.
- Policy LU-1.3** Support the production of housing citywide that is affordable to lower- and moderate-income households consistent with the policies and targets set forth in the Housing Element,
- Policy LU-1.4** Encourage a wide variety of retail and commercial services, such as restaurants and cultural arts/entertainment, in appropriate locations.
- Policy LU-1.5** Encourage active and inviting pedestrian-friendly street environments that include a variety of uses within commercial and mixed-use areas.
- Policy LU-1.6** Mixed Use should be designed to:
- Create a pleasant walking environment to encourage pedestrian activity.
 - Create lively streetscapes, interesting urban spaces, and attractive landscaping.
 - Provide convenient shopping opportunities for residents close to their residence.
 - Integrate with surrounding uses to become a part of the neighborhood rather than an isolated project.
 - Use architectural elements or themes from the surrounding area, as appropriate.
 - Provide appropriate transition between land use designations to minimize neighbor compatibility conflicts.

- Policy LU-1.7 Encourage workplace development in close proximity to residences in areas designated as Mixed Use.
- Policy LU-1.8 Encourage the design of new commercial developments as integrated centers, rather than as small individual strip developments.
- Policy LU-1.9 Discourage strip commercial development and encourage a pattern of alternating land uses along major arterials with “nodes” of commercial development either separated or mixed with other uses such as residential, industrial, or institutional.
- Policy LU-1.10 Designate areas for urban land uses where adequate levels of public facilities and services exist or are planned.
- Policy LU-1.11 Promote future patterns of urban development and land use that reduce infrastructure construction costs and make better use of existing and planned public facilities
- Policy LU-1.12 Consider the use of development transfer rights to facilitate more suitable and appropriate development and land uses beneficial to the City.
- Policy LU-1.13 Encourage and support public/private partnerships to facilitate common development goals between the City and private entities.
- LU-IMP-1A Evaluate proposed amendments to the Land Use Diagram (**Exhibit LU-3**) to consider the effects such amendments will have on the City’s ability to achieve its goals.
- LU-IMP-1B Evaluate mixed-use projects to ensure that there is an adequate mix of uses on the site and in the area.
- LU-IMP-1C Participate in Joint Power Authorities (JPAs) and other organizations formed for the purpose of facilitating production of affordable housing.
- LU-IMP-1D Periodically review Zoning Code provisions to ensure that standards and project review processes further the City’s housing production and economic development objectives.

Neighborhood Preservation

Goal LU-2 Stable, well-maintained residential neighborhoods in Garden Grove

- Policy LU-2.1 Protect residential areas from the effects of potentially incompatible uses. Where new commercial or industrial development is allowed adjacent to residentially zoned districts, maintain standards for circulation, noise, setbacks, buffer areas, landscaping, and architecture which ensure compatibility between the uses.

- Policy LU-2.2 Strive to provide a diverse mix of housing types, along with uniformly high standards of residential property maintenance to preserve residents' real estate values and their high quality of life.
- Policy LU-2.3 Prohibit uses that lead to deterioration of residential neighborhoods or adversely impact the safety or the residential character of a residential neighborhood.
- Policy LU-2.4 Assure that the type and intensity of land use are consistent with those of the immediate neighborhood.
- Policy LU-2.5 Continue to provide rehabilitation assistance to those neighborhoods where it is needed, with the understanding that subsequent code enforcement will be used to protect the City's investment in the area.
- Policy LU-2.6 Ensure that every neighborhood has a unique community image that is incorporated and reflected in public facilities, streetscapes, signage, and entryways proposed for each neighborhood.
- Policy LU-2.7 Ensure that the distinct character of Garden Grove's neighborhoods is respected and reflected in all new development or redevelopment, especially infill development.
- Policy LU-2.8 Identify parking strategies that can alleviate on-street and off-street parking supply challenges within residential neighborhoods.
- LU-IMP-2A Continue to monitor maintenance standards in neighborhoods to maintain high standards of appearance and stability in the neighborhood.
- LU-IMP-2B Review new development with the goal of ensuring it is similar in scale to the adjoining residential neighborhood to preserve its character.
- LU-IMP-2C Encourage the use of property owner and other neighborhood-based associations to reduce crime and vandalism, maintain neighborhood amenities, and provide neighborhood social support through welcoming programs for newcomers, interest group meetings, block parties, and other social events.
- LU-IMP-2D Identify owners who are unable physically or financially to maintain their residences. Use appropriate funding to assist in the maintenance or improvement of ill-maintained housing.

Multi-Family Developments

- Goal LU-3 Higher-density residential development along major thoroughfares and in areas well served by public transit, retail and service businesses, public services, and public gathering places**
- Policy LU-3.1 Preserve existing and encourage new multi-family residential development in the Focus Areas, allowing mixed use in older or underutilized commercial

centers. Such housing provides convenient access to jobs and activities and supplies a resident clientele to support commercial sales and services in mixed-use areas.

- Policy LU-3.2 Support development of multi-family housing that provides a diversity of densities, types, and prices that meet the needs of all household income levels.
- Policy LU-3.3 Encourage developers to build housing projects at or maximum allowable densities.
- Policy LU-3.4 Consider expanding affordable housing opportunities for lower income households in all land use designations that allow residential uses through the creation of a housing overlay zone or other similar tools.
- LU-IMP-3A Ensure that the design of new residential projects avoids sole pedestrian access onto a major corridor, but instead provides primary or secondary access via intersecting local streets or cul-de-sacs, with the goals of providing buffers from excessive street noise.
- LU-IMP-3B Require that the design of multi-family housing in mixed-use areas and on major corridors provide a buffer between the corridor and lower-density residential areas.
- LU-IMP-3C Require attractive side and rear facades and landscaping on multi-family housing and mixed-use structures to improve the streetscape and create a visual transition to lower-density residential areas.
- LU-IMP-3D Front multi-family housing on local streets with appropriate setbacks to be consistent with neighborhood development patterns.
- LU-IMP-3E Use programs and incentives outlined in the Housing Element to produce all types of desired multi-family housing.

Land Use Compatibility

Goal LU-4 Uses compatible with one another.

- Policy LU-4.1 Locate higher-density residential uses within proximity of commercial uses to encourage pedestrian traffic, and to provide a consumer base for commercial uses.
- Policy LU-4.2 Ensure that infill development is well planned and allows for increased density in Focus Areas along established transportation corridors.
- Policy LU-4.3 Allow for mixed-use development at varying intensities in Focus Areas as a means of revitalizing underutilized parcels.
- Policy LU-4.4 Avoid intrusion of non-residential uses incompatible with established residential neighborhoods.

- Policy LU-4.5 Require that commercial and industrial developments adjoining residential uses be adequately screened and buffered from residential areas.
- Policy LU-4.6 Where residential/commercial or residential/industrial mixed use is permitted, ensure compatible integration of adjacent uses to minimize conflicts.
- Policy LU-4.7 Ensure that the locations of business establishments that offer adult merchandise for sale or rent or liquor sales are located in appropriate locations in order to protect the health, safety, and welfare of citizens.
- Policy LU-4.8 Ensure that minimum allowable distances are maintained between the adult or liquor sales businesses and other land uses defined as sensitive to their presence, including but not limited to churches, schools, parks and playgrounds, day care centers, and the like.
- Policy LU-4.9 Require that new residential development adjacent to or near industrial districts and freeways incorporate site design and building approaches that guard against potentially adverse noise and air quality impacts.
- LU-IMP-4A Monitor existing and review all requests to expand intensive commercial or industrial uses.
- LU-IMP-4B Continue to monitor and record criminal incidents at existing and relocated adult businesses, bars and liquor stores, as well as in residential neighborhoods adjacent to these uses.

Vital Commercial Centers

- Goal LU-5 Economically viable, vital, and attractive commercial centers throughout the City that serve the needs of the community.**
- Policy LU-5.1 Work with property owners of vacant commercially zoned property to develop their sites into appropriate, economically viable projects.
- Policy LU-5.2 Look for ways to provide incentives to encourage lot consolidation and parcel assemblage to provide expanded opportunities for coordinated commercial development.
- Policy-5.32 Encourage consolidation of parking and reciprocal access agreements between adjacent business and commercial center property owners.
- LU-IMP-5A Analyze the current inventory of developed and undeveloped commercial sites in the City in order to advise commercial property owners on the character and extent of economically viable commercial development that can be supported.
- LU-IMP-5B Outreach to commercial center owners to present the topics of lot consolidation, parcel assemblage, and parking/reciprocal access agreements.
- LU-IMP-5C Encourage commercial center owners to consider lot consolidation, parcel assemblage, and parking /reciprocal access agreements.

Revitalization Of Commercial Corridors And Aging Commercial Centers

Goal LU-6	Revitalization of aging, underused, or deteriorated commercial corridors, centers, and properties.
Policy LU-6.1	Monitor the uses and development proposed in commercial corridors to determine the viability of existing and proposed development.
Policy LU-6.2	Encourage a mix of retail and commercial services along major corridors and in centers to meet the community's needs.
Policy LU-6.3	Encourage properties along corridors and in centers to be improved through maintenance or rehabilitation to prevent decline or encourage redevelopment.
Policy LU-6.4	Work with property owner(s) of commercial developments that have been, or are currently, in a state of deterioration to revitalize these centers.
Policy LU-6.5	Work with property owners of marginally successful commercial developments to improve their properties.
Policy LU-6.6	Ensure appropriate and compatible signage is provided within commercial centers.
Policy LU-6.7	Examine the possible transition of underused, shallow lot commercial uses to alternative uses, including residential uses as allowed by zoning regulations.
LU-IMP-6A	Require project proponents to conduct economic/market feasibility studies to assess the appropriate quantity and mix of non-residential uses in the area.
LU-IMP-6B	Monitor the appearance of commercial properties to prevent evidence of decline by requiring improved maintenance and rehabilitation, as necessary.
LU-IMP-6C	Encourage façade renovation, enhanced parking area landscaping, improved lighting, development of pad buildings, and the use of pedestrian amenities, such as fountains, plazas, promenades, seating, and like features.
LU-IMP-6D	Assist property owner(s) to secure financing for the appropriate rehabilitation of the commercial center.
LU-IMP-6E	Apply City plans and codes to the sites to ensure that current and rehabilitated facilities meet City standards for maintenance, landscaping, and community design.
LU-IMP-6F	Rezone under-performing commercial properties to effectively transition them to more viable land uses, with an emphasis on high-density housing for all income levels at appropriate locations.
LU-IMP-6G	Revise the sign section of the Zoning Code.

High-Quality Industrial Areas

Goal LU-7	Industrial areas that contribute in terms of jobs and the economic impacts they provide
Policy LU-7.1	Tailor zoning regulations for industrial uses to ensure that future uses are in concert with the City's overall land use goals and policies.
Policy LU-7.2	Limit redesignations or rezoning of land from industrial use, unless the land is within Focus Area E2 or Focus Area L. Avoid encroachments of incompatible land uses in close proximity to industrial land.
Policy LU-7.3	Monitor the appearance of industrial properties to prevent areas of decline by requiring improved maintenance or rehabilitation, as necessary.
LU-IMP-7A	Develop a citywide strategy to retain industrial businesses and promote the City to potential industrial users.
LU-IMP-7B	Require improved maintenance and rehabilitation of industrial buildings and sites, as necessary.
LU-IMP-7C	Apply City plans and codes to industrial building and sites to ensure that current and rehabilitated facilities meet City standards for maintenance, landscaping, and community design.

OCTA Right-Of-Way

Goal LU-8	The OCTA Right-of-Way offers great potential for alternative transportation systems, as well as for recreation or parklands that could benefit the residents of Garden Grove.
Policy LU-8.1	Consult with OCTA to ensure the proper maintenance of the right-of-way until beneficial interim uses and improvements are developed on the right-of-way.
Policy LU-8.2	Expand bicycle, pedestrian, transit connections, and recreational opportunities along the OCTA right-of-way.
LU-IMP-8A	Consult with appropriate agencies to address soil contamination on the OCTA right-of-way.
LU-IMP-8B	Consult with OCTA, stakeholders, and residents to expand pedestrian and bicycle trails, as well as recreational opportunities within and along the OCTA right-of-way.

Focus Area A (International West)

Goal LU-9	Creation of a tourism- and entertainment-related destination area that will benefit all residents, businesses, and visitors.
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- Policy LU-9.1 Capture the benefits of the tourist trade generated by the Disneyland Resort and the Anaheim Convention Center.
- Policy LU-9.2 Support and enhance the commercial centers at the intersection of Harbor Boulevard and Garden Grove Boulevard.
- Policy LU-9.3 Explore the opportunities offered by properties located between Harbor Plaza and the Garden Grove Freeway.
- Policy LU-9.4 Continue to explore opportunities to construct a convention center near the intersection of Harbor Boulevard and Chapman Avenue.
- Policy LU-9.5 Protect residential and other sensitive areas from any external impacts of tourist- or entertainment-related uses by separation of incompatible land uses, and buffering or screening, as necessary.
- Policy LU-9.6 Locate tourist- or entertainment-related uses with adequate access to freeways or major arterials to encourage both local and regional patronage.
- LU-IMP-9A Target future sites for hotels and other tourist-serving uses within International West.
- LU-IMP-9B Prepare and implement a Corridor Plan for the International West Area. The Corridor Plan could include a Master Plan, Specific Plan, or Streetscape Plan.
- LU-IMP-9C Monitor and ensure pedestrian safety for shoppers moving between the centers at the intersection of Harbor Boulevard and Garden Grove Boulevard.
- LU-IMP-9D Allow expansion of the International West land use designation south of the Garden Grove Freeway (SR-22) to the area that is generally bounded by Harbor Boulevard on the east, Newhope Street on the west, and Westminster Avenue on the south. The designation will be extended to this approximately 167-acre area at such time as developers are actively working on large-scale resort center projects.
- LU-IMP-9E Provide criteria for permitted uses, capacities, activities, landscaping, and maintenance standards for tourist- and entertainment-related uses seeking to locate in the City.
- Goal LU-10 Develop transit-oriented development and create a transit hub around the OC Streetcar stop (Harbor Transit Center) at Harbor Boulevard and Westminster Avenue.**
- Policy LU-10.1 Support the extension of the OC Streetcar along Harbor Boulevard between Westminster Avenue and the Anaheim Resort with stations at Garden Grove Boulevard and Chapman Avenue.
- Policy LU-10.2 Support a balance mix of uses that supports multiple transit modes (bus and streetcar), including multi-family residential, retail, commercial services, employment, and public gathering spaces.

- Policy LU-10.2 Require new development around the OC Streetcar stop to complement transit-oriented development, including compact, walkable environment with active and safe street frontages and with a high level of connectivity around the Harbor Transit Center.
- Policy LU-10.3 Create a physical environment, implement design strategies, and pursue public improvements that support transit-oriented development, including pedestrian, bicycle, and transit amenities (first/last mile improvements); infrastructure improvements; car, bike, and/or micromobility sharing programming; and other strategies that support getting around without a car.
- LU-IMP-10A Amend the Zoning Code and prepare relevant plans to support transit-oriented development around the OC Streetcar stop (Harbor Transit Center).
- LU-IMP-10B Consult with OCTA in developing the OC Streetcar Harbor stop (Harbor Transit Center) at Harbor Boulevard and Westminster Avenue in Garden Grove.
- LU-IMP-10C Consult with OCTA and the City of Santa Ana to include bikeway and pedestrian trails and other first/last mile improvements to complement the OC Streetcar between Garden Grove and the Santa Ana Regional Transportation Center.

Focus Area E1 (Civic Center)

Goal LU-11 Restoration of the Civic Center as the heart of the City.

- Policy LU-11.1 Maintain and enhance the centralized public function of the Civic Center.
- Policy LU-11.2 Develop a Master Plan for the Civic Center area.
- Policy LU-11.3 Redevelop, consolidate, and rezone properties within the Civic Center area to accommodate the mix of uses allowed in this focus area.
- LU-IMP-11A Link the City Hall with other civic or institutional uses across Acacia Parkway so that the centrality of government services is retained in the Civic Center area.
- LU-IMP-11B Continue to encourage the use of the Civic Center's facilities for public and private community and social events.
- LU-IMP-11C Continue to support cultural activities conducted near the Civic Center, such as theater productions or the Strawberry Festival, and experiment with offering new citywide celebrations to be held in this area.
- LU-IMP-11D Maximize the opportunities offered by higher educational institutions to be located in the Civic Center area.

Focus Area I (Brookhurst Street and Chapman Avenue)

Goal LU-12 Maintenance and completion of the redevelopment and revitalization of the Brookhurst/Chapman commercial area.

Policy LU-12.1 Revitalize the commercial properties on the southwest and southeast corners of the Brookhurst Street/ Chapman Avenue intersection.

LU-IMP-12A Encourage the property owner(s) to improve the appearance of the shopping centers, which may include façade renovation, parking area landscaping, undergrounding utilities, coordinated signage, and improved lighting.

Specific Plans

Goal LU-13 Specific Plans that provide tailored planning and development directions for focus areas.

Policy LU-13.1 Replace the Harbor Corridor, Community Center, and Brookhurst/Chapman Specific Plans with zoning designations and regulations that better accommodate the types and intensities of development allowed by this General Plan.

Policy LU-13.2 Consider a specific plan for critical areas of the City.

LU-IMP-13A Amend the Zoning Code (Title 9) to develop new zoning districts and/or regulatory standards to apply to properties currently subject to the Harbor Corridor, Community Center, and Brookhurst/Chapman Specific Plans.

LU-IMP-13B Eliminate the zoning standards for the existing Specific Plans and craft new Zoning Code (traditional, overlay, master plan) incorporating the goals and policies, to encourage the land use vision in this General Plan. Development in Adjacent Jurisdictions

Goal LU-14 Transition and sensitive treatments on properties along the City's corporate boundary to provide compatibility.

Policy LU-14.1 Cooperate with other jurisdictions in developing compatible land uses on lands adjacent to, or near, the City's corporate boundaries to minimize significant impacts and potentially benefit residents, businesses, and/or infrastructure systems in Garden Grove.

LU-IMP-14A Monitor planning and environmental assessments for development projects in adjacent jurisdictions and participate in public hearings for the projects.

Annexation/De-Annexation Areas

Goal LU-15 Rationalized corporate boundaries, with the City having flexibility to annex unincorporated areas or de-annex areas of the City that have a closer relationship either with the City of Garden Grove or adjacent cities.

- Policy LU-15.1 Fully investigate all effects of any proposed changes to the incorporated area of the City.
- Policy LU-15.2 Pursue to the extent feasible exchanges of land with contiguous cities, as well as annexations of County islands, that will rationalize and clarify City boundaries and will provide minimal costs and maximum benefits to the City.
- Policy LU-15.3 Consider annexation to the City of Garden Grove land that lies south of Garden Grove Boulevard, north of the Garden Grove Freeway, and west of Beach Boulevard (Focus Area O).
- Policy LU-15.4 Consider de-annexation to the City of Westminster land that lies south of Hazard Avenue and east of Ward Street (Focus Area B).
- Policy LU-15.5 Consider de-annexation to the City of Westminster land that lies south of Hazard Avenue, north of Bolsa Avenue, and east of Bushard Avenue (Focus Area C).
- Policy LU-15.6 Consider negotiations with the City of Santa Ana to annex that portion of Garden Grove lying east of Ward Street and south of Hazard Avenue in exchange for Garden Grove's annexation of that portion of Santa Ana that lies south of Westminster Avenue, east of Harbor Boulevard, including the site of the Willowick Municipal Golf Course.
- Policy LU-15.7 Consider expansion of the Redevelopment Project Area to include new areas annexed into the City.
- LU-IMP-15A Coordinate with the City of Westminster, the Local Agency Formation Commission, and affected property owners in both annexation and de-annexation procedures.
- LU-IMP-15B Conduct detailed cost/benefit analysis to determine the economic effects of both de-annexation of land from and annexation of land to the City.
- LU-IMP-15C Provide identity to any area annexed as part of the City of Garden Grove.

County Islands

Goal LU-16 Resolution of the problems created by County islands adjoining the City.

- Policy LU-16.1 Work with the County of Orange to secure the City's preliminary review and counsel for all development or redevelopment proposed for County islands adjoining Garden Grove.
- Policy LU-16.2 Work with the County of Orange to require that City of Garden Grove building and development standards are met in all new development or redevelopment within adjoining County islands.

Policy LU-16.3 Work with the County of Orange to improve deteriorated neighborhoods within County islands adjoining Garden Grove.

LU-IMP-16A Work with the Local Agency Formation Commission to encourage the annexation of County islands to the appropriate adjoining city.

Joint Forces Training Base (JFTB) Los Alamitos

Goal LU-17 Protection of land uses in the City of Garden Grove from impacts associated with the Joint Forces Training Base (JFTB) Los Alamitos.

Policy LU-17.1 Prohibit structures that are determined to be a “hazard” by the Federal Aviation Administration within the Airport Environs Land Use Plan area.

Policy LU-17.2 Allow development consistent with Airport Environs Land Use Plan.

LU-IMP-17A Consult with the Airport Land Use Commission to ensure consistency with the scope and intent of the Airport Land Use Commission Law (Public Utilities Code Section 21670, et seq.).

Code Enforcement

Goal LU-18 Preservation of City quality and character through compliance with relevant codes and regulations.

Policy LU-18.1 Review the Zoning Code and determine which sections are outdated to meet current trends, regulations, adopted community visions, and the General Plan 2030 land use designations, and revise as necessary.

Policy LU-18.2 Provide equitable, consistent, and effective code enforcement services that resolve complaints citywide, addressing quality of life issues that come from poorly maintained properties.

LU-IMP-18A Ensure adequate staffing for Code Enforcement to maintain and streamline enforcement efforts.

LU-IMP-18B Provide public education about property maintenance and Zoning Code requirements.

Environmental Justice Element

Reduce Unique or Compounded Health Risks

- Goal EJ-1:** **Reduced concentrations of pollution sources to eliminate them as unique health risks to residential neighborhoods and disadvantaged communities**
- Policy EJ-1.2:** **Minimizing Pollution Burdens.** Require new residential development and encourage established residential units near industrial uses or transportation corridors to include building design features, equipment, and/or site planning measures to protect occupants from pollution.
- Policy EJ-1.3:** **Roadway Air Pollution and Noise.** Mitigate impacts on residential neighborhoods immediately adjacent to SR-22 freeway from noise impacts and air pollutants from traffic and vehicle emissions, including use of landscape buffers, sound walls, and similar strategies.
- Policy EJ-1.4:** **Industrial Pollution.** Reduce pollution exposure in residential neighborhoods and to sensitive receptors by limiting industrial operations or restricting polluting land uses through the Zoning Code that generate substantial quantities of hazardous materials and/or air pollutants.
- Policy EJ-1.5:** **Agency Consultation.** Consult with State, federal, and Orange County agencies to assist in improving, identifying, prohibiting, enforcing, and mitigating against concentration of harmful pollution sources.
- Policy EJ-1.6:** **Public Education.** Develop community programs to improve public awareness of State, regional, and local agencies resources and plans to assist with air quality and other environmental quality concerns.
- ENV-IMP 1A** Consult with the California Air Resources Board and the South Coast Air Quality Management District to ensure appropriate monitoring of stationary source emissions, and to receive aid and/or assistance to reduce exposures to harmful air pollutants in disadvantaged communities.
- ENV-IMP 1B** Consult with the California Department of Environmental Protection Agency and the U.S. Environmental Protection Agency to implement State and federal laws on clean air, clean water, hazardous waste and materials, solid waste, and toxic and hazardous substances.
- ENV-IMP 1C** Participate in the South Coast Air Quality Management District's Community Air Monitoring Program and AB 2588 Toxic Hotspots Program.

ENV-IMP 1D Designate acceptable and unacceptable areas for freight trucking and diesel truck idling to limit impacts on disadvantaged communities or residential areas overburdened by air pollution.

ENV-IMP 1E All new developments must meet the requirements of the Noise Ordinance (Chapter 8.47 Noise Control) of the Garden Grove Municipal Code.

***Related Goals and Policies:** Refer to the Safety Element for goals and policies related to hazardous materials. Refer to the Air Quality Element for goals and policies related to air quality, air pollution, and particulate emissions.*

Improving Public Services and Facilities

Goal EJ-2: **Improved access to public facilities and services in underserved areas, disadvantaged communities and areas with lower economic and educational attainment**

Policy EJ-2.1: **Equitable Public Improvements.** Provide equitable public improvements and community facilities to all areas of Garden Grove.

Policy EJ-2.2: **New Park Access.** Prioritize new park and recreational facilities, including expanding opportunities for physical activity, within disadvantage communities and residential neighborhoods lacking easy, walkable access to park and recreation facilities.

Policy EJ-2.3: **New Development.** Encourage new residential and mixed-use projects to provide publicly accessible parks, urban trail facilities, or other amenities that expand opportunities for physical activity.

Policy EJ-2.4: **Pedestrian Street Improvements.** Enhance sidewalks and crosswalks to create safe walking conditions and easy access to public amenities and transit stops within disadvantaged communities and pedestrian priority areas.

Policy EJ-2.5: **Neighborhood Cleanup.** Support programs and organizations that assist in cleaning up residential neighborhoods, including litter, trash, and graffiti removal.

Policy EJ-2.6: **Tree Planting and Canopy.** Expand tree canopy coverage along public streets, within pedestrian priority areas, and around schools and parks.

Policy EJ-2.7: **Park Improvements.** Pursue park improvements at established park and recreational facilities with new and improved amenities that meet the needs of the community.

ENV-IMP 2A	Implement the Active Street Master Plan and priorities improvements within Disadvantaged Communities.
ENV-IMP 2B	Prioritize the City's capital improvement program to address the needs of Disadvantaged Communities.
ENV-IMP 2C	Implement the Urban Forest Management Plan, including preparation of a comprehensive tree planting plan.
ENV-IMP 2D	Support conducting neighborhood cleanup programs, including volunteer programs.
ENV-IMP 2E	Consider establishing neighborhood beautification programs.
ENV-IMP 2F	Continue graffiti abatement and removal programs and graffiti reward programs.

Related Goals and Policies: Refer to the Parks, Recreation and Open Space Element for goals and policies related to parks and open space. Refer to the Conservation Element for goals and policies related to solid waste, recycling, and green building.

Access to Healthy Foods

Goal EJ-3:	Improved access to healthy food outlets for people living in underserved areas, Disadvantaged Communities, and areas with lower economic and educational attainment
Policy EJ-3.1	Community Gardens. Foster the establishment of new community gardens throughout the City, including identifying unique properties that are suitable for gardens.
Policy EJ-3.2	Urban Agriculture. Explore opportunities for small-scale, community-supported agriculture, including partnering with community-based groups and non-profit organizations.
Policy EJ-3.3	Healthy Food Programming. Support food education programs and public service programming with messaging about healthy eating habits, food choices, culinary classes, nutrition, and related City programs.
Policy EJ-3.4	Farmers' Markets. Encourage farmers' markets to operate in Garden Grove, particularly markets that offer unique products of interest to many diverse cultures.
Policy EJ-3.5	Small Markets. Encourage small, ethnic grocery stores and food markets that offer healthy food options.

ENV-IMP 3A Continue partnerships with nonprofit organizations, food pantries, food banks, and volunteer groups to prepare and distribute meals.

ENV-IMP 3B Use the City's economic development resources to reach out to organizations and businesses interested in hosting farmers' markets and establishing unique grocery stores. Market unique farmers' market events throughout Orange County.

Civic Engagement and Community Outreach

GOAL EJ-4: **Increased civic engagement and community outreach, with inclusive and transparent strategies that reflect the Garden Grove community**

Policy EJ-4.1: **Civic Engagement.** Support an equitable, transparent, and comprehensive approach to civic engagement and public outreach on all aspects of City governance and delivery of services.

Policy EJ-4.2 **Diverse Communication.** Utilize traditional and digital forms of communication in multiple languages to solicit feedback on policy decisions and major development projects.

Policy EJ-4.3 **Cultural Assets and Knowledge.** Identify and use culturally appropriate stakeholder and data analysis tools that recognize and utilize communities' cultural assets and knowledge.

Policy EJ-4.4 **Special Meetings.** Conduct special informational meetings for projects that could pose impacts on disadvantaged communities; include direct notice to tenants and property owners with project materials provided in multiple languages.

Policy EJ-4.5 **Capacity Building.** Promote capacity-building efforts (the process of improving and strengthening the skills, abilities, access, and resources) to educate and involve traditionally underrepresented populations in public decision-making processes.

ENV-IMP 4A Establish a comprehensive Community Outreach and Public Engagement Strategy Guide that serves as a framework for all departments to participate in meaningful communication and engagement with the public, prioritizing residents in disadvantaged communities, residential neighborhoods, and those with language barriers. Identify and use instruments that help select racially and culturally appropriate public processes.

Safety Element

Crime Reduction: Safe Neighborhoods

Goal SAF-1: Ongoing collaborative efforts between the community and the Garden Grove Police Department will assist in reducing and preventing crime in the City.

Policy SAF-1.1 Provide opportunities for community involvement in crime prevention and control through community policing and other public participation programs.

Policy SAF-1.2 Provide regular opportunities for communications between the Police Department and community members.

Policy SAF-1.3 Promote police outreach efforts to the diverse cultural communities, church leaders, Neighborhood Advisory Networks, homeowner associations, and apartment management associations.

Policy SAF-1.4 Provide public education about Community Enforcement Techniques.

Policy SAF-1.5 Continue to build community confidence in neighborhood police personnel.

SAF-IMP-1A Continue Police Department programs such as the Community Policing Strategy.

SAF-IMP-1B Continue and encourage Neighborhood Watch programs community wide.

SAF-IMP-1C Encourage community members to accompany police on regular patrols in their neighborhood and throughout the City.

SAF-IMP-1D Work with criminal justice agencies and community groups to support programs that offer information about community policing, reporting of child and adult abuse and neglect, and other crime prevention techniques. Information should be provided in the languages understood by members of the most affected community or by a majority of the community of the affected community members.

SAF-IMP-1E The Police Department will continue to conduct annual needs assessments of police facilities, equipment and personnel to plan and ensure that future growth of Garden Grove Police Department is commensurate with future development.

SAF-IMP-1F Encourage the Police Department to conduct outreach efforts in neighborhoods and ethnic communities throughout the City.

Crime Reduction: Infrastructure and Design

Goal SAF-2: Crime reduction can be achieved through public facility and infrastructure improvements and the use of crime reducing design techniques.

Policy SAF-2.1 Remedy problems with existing public facilities that have the potential to encourage criminal activity

Policy SAF-2.2 Encourage Crime Prevention Through Environmental Design (CPTED) techniques; design that discourages crime and promotes pedestrian safety, for all new development and redevelopment projects.

Policy SAF-2.3 Identify specific high crime areas in the City and encourage and, when feasible, create plans/strategies to improve these areas.

Policy SAF-2.4 Work with law enforcement agencies and community groups to promote litter pick-up, graffiti removal, basic repairs, and other neighborhood beautification efforts.

Policy SAF-2.5. Evaluate and support the need to replace and/or modernize safety facilities to improve public safety services and meet the needs of the community.

SAF-IMP-2A Encourage site design using the following: increased pedestrian-level lighting, pedestrian routes that avoid blind corners and provide escape route choices, low fences or well-placed landscaping, and building entrances visible from public streets.

SAF-IMP-2B Encourage mixed use development throughout the City in order to decrease commercial areas that are left vacant during nighttime hours.

SAF-IMP-2C Involve law enforcement agencies in the design and planning phases of ABC licensed establishments to reduce design elements that conceal or encourage criminal activity.

SAF-IMP-2D Ensure that signage and street markings at crosswalks provide for pedestrian safety.

SAF-IMP-2E Involve law enforcement agencies in the design review of new and rehabilitated buildings to ensure basic safety measures and surveillance access are achieved.

SAF-IMP-2F Continue to locate police sub-stations in those areas of the City particularly vulnerable to crime.

- SAF-IMP-2G Explore the use of new surveillance technologies that provide additional ways for the Police Department to monitor and more quickly respond to crime.
- SAF-IMP-2H Develop, where necessary and feasible, a parking program for on-street parking in high crime residential neighborhoods.
- SAF-IMP-2I. Develop a plan for the construction of a new state-of-the-art Police Department building, and other public safety facilities as needed.

Crime Reduction: Youth and Gang Related Activities

Goal SAF-3 The City seeks to reduce the number of gang-related, violent or criminal acts perpetrated, with specific emphasis on youth.

- Policy SAF-3.1 Encourage programs and efforts to discourage youth from participating in gang-related activities.
- Policy SAF-3.2 Provide immediate consequences for minor criminal behavior.
- Policy SAF-3.3 Support citywide support programs and social services that address domestic abuse, addictions, and family services.
- SAF-IMP-3A Continue to use the graffiti removal programs, restitution programs, or other effective programs.
- SAF-IMP-3B Continue the implementation of a comprehensive Youth Violence Reduction Program incorporating education, intervention, and enforcement strategies.
- SAF-IMP-3C Develop and provide jobs programs for youth in both the public and private sector in order to help reduce crime.
- SAF-IMP-3D Enhance School Programs by working with schools to support and expand after school recreation, youth mentoring, conflict resolution, team building, self-awareness, and community involvement programs.
- SAF-IMP-3E Create effective recreation and mentoring programs that engage all ethnicities.

Environmental Hazards and Disaster Preparedness

Goal SAF-4 Community members must be made aware of potential environmental hazards, how they should prepare for these instances, and how they should respond.

- Policy SAF-4.1 Advise and provide information to the public regarding the availability of local area environmental studies, sources of hazard information, and public services related to all hazards and threats.
- Policy SAF-4.2 Continue and expand public awareness programs conducted by City departments and other agencies as appropriate.
- Policy SAF-4.3 Provide the public with information identifying accessible evacuation routes for fire, geologic, and other hazards.
- SAF-IMP-4A Keep the public informed as to the location of important emergency facilities, such as reception centers, cooling centers, and emergency shelters point of distributions (PODS) for administering medical countermeasures (i.e., vaccines or medical testing), and distribution of emergency supplies and/or food.
- SAF-IMP-4B Continue to develop and conduct public education and awareness programs and seminars for all community disasters and emergency events.
- SAF-IMP-4C Identify and promote locations where information on public safety is available to the public through the City's websites and social media account, and utilize AlertOC, the County's mass notification system.
- SAF-IMP-4D Provide and inform the public of available educational guides promoting structural and nonstructural earthquake safety. This includes natural gas safety, water heater bracing, and installation of automatic natural gas shut-off valves in buildings; and retrofitting of older buildings and securing nonstructural elements of a building to prevent the falling or throwing of objects.

Fire Hazards and Public Health

Goal SAF-5 Public harm from fire and health emergencies shall be minimized.

- Policy SAF-5-1 Continue to develop and enforce construction and design standards related to fire prevention.
- Policy SAF-5.2 Ensure that the City has adequate resources to respond to health and fire emergencies, such as Fire Stations, personnel, and equipment.
- SAF-IMP-5A Continue to require installation of automatic fire sprinkler systems in all new structures and existing structures undergoing substantial remodeling and provide incentives for sprinkler installation in all other habitable structures.
- SAF-IMP-5B Require that street addresses on commercial buildings be more readily visible to facilitate emergency response.

- SAF-IMP-5C Continue to refer land development and building permit applications to the local fire district for review, and incorporate their recommendations as conditions of approval as necessary to ensure public safety.
- SAF-IMP-5D Continue to require compliance with all provisions of the most recently adopted version of the California Fire Code (with local amendments).
- SAF-IMP-5E Provide an adequate number of trained and certified emergency and medical technicians to address the increased medical demands due to an increase in residential density.
- SAF-IMP-5F Continue to provide adequate staffing of fire response personnel based upon changing conditions, density, and development type.
- SAF-IMP-5G Continue the Water Services Department's maintenance program dedicated to maintaining the quality of the City's water storage and distribution system, as well as to increase the water supply capacity.
- SAF-IMP-5H Continue to participate in cooperative agreements with the County and appropriate cities to provide fire and medical services in an effective manner and continue to explore opportunities to expand the programs provided through these agreements.
- SAF-IMP-5I Adopt standards that set the number of personnel per response and response times (NFPA-1710).
- SAF-IMP-5J Continue to implement and update, as necessary, the Fire Department's long-range plan and budget.

Seismic and Geologic Hazards

Goal SAF-6 Minimize risk associated with seismic activity and geologic conditions to people and property.

- Policy SAF-6.1 Avoid or minimize to the greatest extent feasible hazards resulting from development on unstable ground conditions.
- Policy SAF-6.2 Encourage rehabilitation or elimination of structures susceptible to collapse or failure in an earthquake. Historic buildings shall be treated with special consideration in order to ensure their preservation.
- Policy SAF-6.3 Ensure that new structures are seismically safe through the proper design and construction. The minimum level of design necessary would be in accordance with seismic provisions and criteria contained in the most recent version of the

State and County Codes. Construction shall require effective oversight and enforcement to ensure adherence to the earthquake design criteria.

SAF-IMP-6A Protect public health and safety through the appropriate identification and rehabilitation of public facilities.

SAF-IMP-6B Adopt the most current versions of State or County building, or other relevant, codes.

SAF-IMP-6C All new development with the exception of detached single-family homes, shall be subject to the preparation and submittal of a site specific geology report prepared by a registered geologist or soils engineer to the City Building Services Division for approval.

Flood Hazards

Goal SAF-7 Minimize injury and loss of life, damage to public and private property and infrastructure, and economic and social disruption caused by inundation and flood hazards.

Policy SAF-7.1 Continue to implement adopted flood control programs and regulations.

Policy SAF-7.2 Improve defensive measures against 100-year, or other State-defined scenario, flood conditions through land use and design, such as increased pervious surfaces, on-site water capture and re-use, minimized building footprints, etc.

Policy SAF-7.3 Continue to monitor regional flood hazard improvements in the Santa Ana River Basin area to understand impacts to the 100-year storms within the City.

Policy SAF-7.4 Encourage methods that place limits on land use activities in flood hazard areas and timely repair and maintenance of necessary flood control structures.

Policy SAF-7.5 Monitor projections for and actual sea level rise to the extent it will impact properties along the Santa Ana River, and work with the U.S. Army Corps of Engineers and other agencies to proactively guard against anticipated flood hazards.

SAF-IMP-7A Continue to update, as appropriate, and enforce provisions in the City of Garden Grove Flood Management Ordinance, regarding development in flood prone areas.

SAF-IMP-7B Encourage use of Low Impact Development (LID) methods that capture and treat water on-site, therefore, reducing flows to storm drain system.

SAF-IMP-7C Maintain and improve capacity levels of storm drainage service, where appropriate.

SAF-IMP-7D Update the City's Master Plan of Drainage.

Disaster Preparedness

Goal SAF-8 The social and economic impacts that natural and urban disasters have on the community shall be minimized through effective emergency and disaster preparedness.

Policy SAF-8.1 Maintain and update the City's Emergency Operation Plan, Continuity of Operations Plan, and Hazard Mitigation Plan.

Policy SAF-8.2 Provide public education on emergency preparedness to support residents and businesses during and after a disaster. This includes emergency water supplies, food storage, first aid, family disaster plans, etc.

Policy SAF-8.3 Work with County Operational Area partners to collaborate and undertake mutual aid agreements addressing disasters and emergency events.

Policy SAF-8.4 Ensure that critical response staff are trained and available to provide essential emergency services to support the City functions and the community at large.

Policy SAF-8.5 Take an all-hazards approach to emergency preparedness to address the full range of threats, risks, and the overarching impact it may have on the community.

SAF-IMP-8A Ensure that the Garden Grove Hazard Mitigation Plan is updated regularly with the primary purpose of identifying, assessing, and reducing the long-term risk to life and property from hazard events.

SAF-IMP-8B Ensure the City provides signature to Orange County's Mutual Aid agreement, and participate in grant opportunities to support and expand existing emergency services, equipment, and training.

SAF-IMP-8C Partner with the Orange County Operational Area to receive and maintain communication systems supporting interagency communication and public alert and warning information.

SAF-IMP-8D Ensure the City is prepared to support sheltering operations and cooling centers during disasters and emergencies.

Hazardous Materials

Goal SAF-9 Minimize the threat to the public health and safety and to the environment posed by a release of hazardous materials.

Policy SAF-9.1 Continue to strictly enforce Federal, State, and local laws and regulations related to the use, storage, and transportation of toxic, explosive, and other hazardous and extremely hazardous materials to prevent unauthorized discharges.

Policy SAF-9.2 Develop an educational awareness program for residents and businesses about the dangers of hazardous materials that urges the minimum use, proper storage and management of, and accurate disposal of hazardous materials.

SAF-IMP-9A Provide information on available non-hazardous product alternatives, proper storage, management, and disposal of hazardous wastes on the City's website, and at City Hall and other public facilities, as necessary.

SAF-IMP-9B Continue to publicize and conduct semi-annual household hazardous waste roundups.

SAF-IMP-9C Encourage government agencies to purchase and use non-toxic cleaning materials.

Climate Adaptation

Goal SAF-10 A robust, climate-responsive community prepared to anticipate, adapt to, and mitigate impacts stemming from climate change

Policy SAF-10.1 Integrate climate change hazards, adaptation, and resiliency into the update of City plans, regulatory codes, and policies.

Policy SAF-10.2 Integrate climate change research guidance and adaptation planning into City operations, services, and public infrastructure development, including capital improvements.

Policy SAF-10.3 Evaluate, identify, and implement strategies to reduce the negative effects of climate change on the health of disadvantaged communities and socially vulnerable populations lacking adaptive capacities (e.g., elderly, very young, low-income households).

Policy SAF-10.4 Set up systems to predict and communicate with the public about heat waves and severe storm events, suggest protective actions, coordinate response, and designate cooling centers and emergency shelters.

- Policy SAF-10.5 Identify critical facilities such as schools, hospitals, fire and police stations, and cooling centers/emergency shelters that may require redundant electric power backup systems.
- Policy SAF-10.6 Encourage development projects to incorporate design features that reduce the impact of extreme heat events.
- Policy SAF-10.7 Consider the possibility of constrained future water supplies due to long-term climate change impacts on water supplies and require enhanced water conservation for new construction and retrofits.
- Policy SAF-10.8 Contribute to and participate in ongoing climate change prevention programs at the regional, State, and Federal levels.
- Policy SAF-10.9 Investigate all possible strategies to reduce greenhouse gases from municipal operations, private businesses, and residences.
- Policy SAF-10.10 Encourage mixed-use development throughout the City consistent with the goals and policies of the Land Use Element in order to encourage jobs/housing proximity, promote transit-oriented development, and encourage high density development along major corridors, which encourages walking, bicycling and the use of public transit systems.
- Policy SAF-10.11 Encourage infill, redevelopment, and higher density development consistent with the goals and policies of the Land Use Element.
- Policy SAF-10.12 Encourage new developments to integrate housing with civic and retail amenities (jobs, schools, parks, shopping opportunities) to help reduce VMT resulting from discretionary automobile trips.
- SAF-IMP 10A Update the City's Local Hazard Mitigation Plan (LHMP) regularly to assess hazard vulnerabilities and identify mitigation to pursue to reduce the level of injury, property damage, and community disruption.
- SAF-IMP 10B Establish a cooling centers and emergency shelters plan to reduce Garden Grove residents' vulnerability to extreme heat events and severe storms.
- SAF-IMP 10C Maintain the City's urban forest while expanding efforts to plant additional trees, gardens, and vegetation within neighborhood and areas with minimal tree canopies.
- SAF-IMP 10D Shade public parks, public facilities, and sidewalks near transit corridors, including bus shelters.

- SAF-IMP 10E Support residential energy efficiency and weatherization programs for new and existing buildings.
- SAF-IMP 10F Design new buildings to use less cooling through passive heat and cooling techniques.
- SAF-IMP 10G Encourage the use of water-porous pavement materials to allow for groundwater recharge and reductions in stormwater runoff and materials that also can reflect solar energy, speed up evaporation, and otherwise stay cooler than traditional pavements.
- SAF-IMP 10H Ensure compliance with water conservation measures and regulations in the Urban Water Management Plan.
- SAF-IMP 10I Require the use of sustainable landscaping techniques and water conservation measures in new development beyond current requirements.
- SAF-IMP 10J Consider evaluating the feasibility of implementing wastewater or recycled water facilities.
- SAF-IMP 10K Consult with Orange County Water District, manager of the groundwater basin, to monitor sea level rise and maintain barrier wells to control the intrusion of salt water into the groundwater supply.
- SAF-IMP 10L Continue the ongoing recycling and greenhouse gas reduction program.
- SAF-IMP 10M Consult with U.S. Army Corps of Engineers and Orange County Flood Control District (OC Public Works) to implement appropriate infrastructure improvements to protect the community from flood risks intensified by severe storms and/or sea-level rise.
- SAF-IMP 10N Implement street improvements designed to relieve pressure on congested roadways and intersections.
- SAF-IMP 10O Promote limiting idling time for commercial vehicles, including delivery and construction vehicles, consistent with the South Coast Air Quality Management District idling regulations.
- SAF-IMP 10P Continue implementing the City's Urban Forestry Management Plan goals and objectives, which will assist in reducing carbon dioxide, energy use, and improve air quality.
- SAF-IMP 10Q Encourage the use of available energy saving measures that exceed the minimum Title 24 requirements for residential and commercial projects.

- SAF-IMP 10R Educate the public, schools, other jurisdictions, professional associations, business and industry about reducing GHG emissions.
- SAF-IMP 10S Continue to replace traffic lights, streetlights, and other electrical uses to energy efficient bulbs and appliances.
- SAF-IMP 10T Encourage the purchase of Energy Star equipment and appliances for City use, where feasible.
- SAF-IMP 10U Evaluate the feasibility of incorporating on-site renewable energy production, including installation of photovoltaic cells or other solar options, for existing City facilities.
- SAF-IMP 10V Explore the feasibility of purchasing City fleet vehicles that use alternatives fuels or technology, such as low and zero emission vehicles.
- SAF-IMP 10W Continue to promote the goal and policies of the Garden Grove Active Streets Master Plan, which encourages active transportation (biking, walking, alternative modes of transportation), and continue to evaluate and update the plan as needed.
- SAF-IMP 10X Continue to promote and expand the City's Safe Routes to School Plan, which encourages safe routes for walking and biking to school.
- SAF-IMP 10Y Continue to promote the City's employee rideshare program, which includes matching potential carpoolers and incentives for purchasing low and zero emissions vehicles.
- SAF-IMP 10Z Continue to promote the City's Recycle Garden Grove program to reduce solid waste in landfills.
- SAF-IMP 10AA Continue to implement and promote and educate the public on mandatory commercial and residential organics recycling requirements to divert organic waste from landfills (Note that per SB 1383, the City and Garden Grove School District will be adopting and enforcing mandatory organics recycling requirements in the near future).
- SAF-IMP 10AB Develop a strategy to reduce greenhouse gas emissions citywide consistent with other City policy objectives. Consider developing a climate action plan or other document that defines that strategy. Actions that may be considered as part of the strategy may include:

- On-site renewable energy generation capabilities for larger-scale commercial, industrial, institutional, and multi-family residential developments
- Actions that will move Garden Grove toward zero-net energy over a longer time frame
- Enhanced transit connections to the streetcar station once it is operational
- Outreach to local businesses to identify measures they can pursue to reduce emissions associated with deliveries, production, cooking (for restaurants), and other business practices
- Coordination with local schools to reduce traffic congestion/idling vehicles during pick-up and drop-off times

Housing Element

Housing Maintenance and Preservation

GOAL H-1: Preserve, maintain, and enhance housing and neighborhoods citywide

Policy H-1.1: Neighborhood Preservation. Preserve the character, scale, and quality of established residential neighborhoods.

Policy H-1.2: Improvement Programs. Continue programs directed at preserving the physical quality of housing and neighborhood environments.

Policy H-1.3: Housing Rehabilitation. Promote the rehabilitation of substandard and deteriorating housing, with a particular focus on improvement programs in neighborhoods with the greatest need.

Policy H-1.4: Homeowner Improvement Programs. Encourage homeowners who cannot afford to rehabilitate their homes to participate in neighborhood improvement programs.

Policy H-1.5: Code Enforcement. Continue to enforce building, land use, and property maintenance codes.

Policy H-1.6: Neighborhood Investments. Invest in neighborhoods that have aging and deteriorating housing and infrastructure, and support efforts to eliminate crime, graffiti, and deferred maintenance practices.

Policy H-1.7 Alleviate Overcrowding Conditions. Assist in alleviating unit overcrowding by facilitating the development of accessory dwelling units and home additions and improvements to existing homes.

Policy H-1.8: Neighborhood Partnerships. Pursue public/private partnerships to implement rehabilitation and maintenance activities in older neighborhoods.

Policy H-1.9: Lead-Based Reduction. Reduce lead-based paint hazards in the housing stock.

Policy H-1.10: Sustainable Practices. Promote and encourage sustainable development and green building practices for all new residential development and the retrofit of existing housing.

Policy H-1.11: Pollution Protection. Require building and site design measures for new housing units located within 500 feet of a freeway, railroad, major arterial, and/or industrial use to minimize noise, vibration, and air pollution impacts by

including, but not limited to, multipaned windows, air filtration systems, site design mitigation, and dense landscaping buffers.

Affordable Housing

GOAL H-2: Housing supply to accommodate housing needs at all affordability levels

Policy H-2.1: Expanding Affordable Housing. Preserve and expand the City's supply of affordable rental and ownership housing for lower-income households.

Policy H-2.2: Rental Assistance. Continue to provide rental assistance to lower-income, cost-burdened households.

Policy H-2.3: Regulatory Incentives. Provide density bonuses and other financial and regulatory incentives to facilitate the development of affordable housing.

Policy H-2.4: Collaborative Partnerships. Encourage collaborative partnerships to maximize resources available for the provision of housing affordable to lower-income households.

Policy H-2.5: Housing Funding Programs. Actively pursue federal and State housing program funds to provide housing assistance and to support the development of housing affordable to lower-income households.

Policy H-2.6: Preserve Affordable Housing Supply. Preserve the City's supply of affordable rental housing units, including preserving all units at risk of converting from affordable housing to market-rate housing.

Policy H-2.7: Sustainable and Affordable Housing Improvements. Improve housing affordability by promoting energy conservation programs and sustainable development as outlined in the Land Use, Air Quality, and Conservation Elements of the General Plan.

Policy H-2.8 Lower-Income Residents. Continue to utilize federal and State subsidies, as well as City resources to the fullest extent possible, to assist in meeting the housing needs of lower-income residents, including extremely low-income residents.

Adequate Housing Sites

GOAL H-3: A range of available housing types, densities, and affordability levels to meet diverse community needs

Policy H-3.1: Adequate Housing Sites. Maintain land use policies and regulations that create capacity for development of a range of residential development types that can fulfill local housing needs, including accessory dwelling units, low-density single-family

uses, moderate-density townhomes and middle housing, higher-density apartments and condominiums, senior housing, and mixed-use projects.

Policy H-3.2: Meeting Housing Needs. Provide adequate sites to encourage housing development that will meet the needs of all income groups.

Policy H-3.3: Balance of Housing Types. Promote a balance of housing types, including mixed-use development, to meet the needs of the community.

Policy H-3.4: Housing Inventory. Maintain an inventory of vacant and underutilized land, and make available to the development community.

Policy H-3.5: Special Housing Needs. Encourage both the private and public sectors to produce or assist in the production of housing, with emphasis on housing affordable to persons with disabilities, the elderly, large families, female-headed households with children, and people experiencing homelessness.

Policy H-3.6: Housing Near Transit. Encourage transit-oriented development consisting of higher residential densities, public gathering places, streetscape amenities, and commercial and entertainment uses within walking distance of planned rail stations and high-frequency bus stops.

Policy H-3.7: Infill Housing. Encourage infill housing development that is compatible in character with established residential neighborhoods.

Policy H-3.8: New Housing. Critically analyze the location of any proposed new housing to determine suitability for healthy living conditions.

Policy H-3.9: Infrastructure. Continue ongoing infrastructure maintenance and upgrades as identified in the City's infrastructure plans to provide sewer and water capacity sufficient to accommodate projected growth.

Policy H-3.10: Middle Housing. Support joint powers authorities and similar entities to further the preservation, protection, and production of middle-income housing and workforce housing.

Removal of Housing Constraints

Goal H-4: Reduced nongovernmental and governmental obstacles to the production of housing for all income groups

Policy H-4.1: Residential Development Standards. Review and adjust residential development standards, regulations, ordinances, departmental processing procedures, and residential fees related to rehabilitation and construction to determine the constraints on housing development.

Policy H-4.2: Policy Assessments. Assess proposed ordinances and policies affecting housing development for effects on housing cost, recognizing that some increases in housing costs might be offset by decreases in other household costs (e.g., energy bills).

Policy H-4.3: Housing Legislation. Monitor State and federal housing-related legislation, and update City plans, ordinances, and processes pursuant to such legislation to remove or reduce governmental constraints.

Policy H-4.4: Development Approval Process Education. Educate applicants on how to navigate the development approval process for residential development.

Policy H- 4.5: Parking. Review and update parking standards to balance the needs of providing adequate and flexible parking requirements, ensuring parking does not create spillover impacts to residential neighborhoods, and allow innovative and creative approaches to provide parking for all residential projects.

Equal and Fair Access to Housing

GOAL H-5: An environment in which all people have fair and equal access to the housing of their choice

Policy H-5.1: Discrimination. Prohibit discrimination in the sale, rental, or financing of housing based on race, color, ancestry, religion, national origin, sex, sexual orientation, gender identity, age, disability/medical condition, familial status, marital status, source of income, or any other arbitrary factor.

Policy H-5.2: Fair Housing. Assist in the enforcement of fair housing laws by providing references for residents to organizations that can receive and investigate fair housing allegations, monitor compliance with fair housing laws, and refer possible violations to enforcing agencies.

Policy H-5.3: Equitable Housing. Encourage investments and the siting of new housing in an equitable and fair manner that prevents discrimination, overcomes pattern of segregation, avoids concentrations of lower-income households, addresses pollution burdens, and fosters inclusive communities.

Policy H-5.4: Special Housing Needs Accessibility. Broaden the accessibility and availability of housing to special needs residents such as the homeless, disabled, developmentally disabled, elderly, large households, families with children, and female-headed households.

Policy H-5.5: Equitable Land Use Plans. Ensure updates to land use plans, zoning maps, and funding policies are equitable and bring additional resources to traditionally under-

resource neighborhoods and create affordable housing in high resource neighborhoods.



FACILITY DETAILS

Facility Information

Facility Name : Air Industries Company, Llc Facility ID : 145232
 Street : 12570 Knott St [SIC Code](#) : 3452
 City : Garden Grove Zip : 92841
 Phone : (657) 296-2174
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : South Coast Aqmd

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : U

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	16.9	Tons/Yr
	ROG	8.4	Tons/Yr
	CO	1.2	Tons/Yr
	NOX	3.3	Tons/Yr
	SOX	0	Tons/Yr
	PM	0.3	Tons/Yr
	PM10	0.3	Tons/Yr
	PM2.5	0.3	Tons/Yr

[TOXIC DATA MAY COME FROM VARIOUS YEARS](#)

Download CSV file	Acetaldehyde	0.2	Lbs/Yr
	Acrolein	0.1	Lbs/Yr
	Benzene	0.4	Lbs/Yr
	Cadmium	0.3	Lbs/Yr
	Cr(VI)	0	Lbs/Yr
	Ethyl Benzene	0.5	Lbs/Yr
	Formaldehyde	0.8	Lbs/Yr
	Hexane	0.3	Lbs/Yr
	NH3	479.3	Lbs/Yr
	Naphthalene	0	Lbs/Yr
	Nickel	0.1	Lbs/Yr
	PAHs-w/o	0	Lbs/Yr
	Toluene	1.8	Lbs/Yr
	Xylenes	1.3	Lbs/Yr

The emission inventory data provided here may have been

developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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[ARB Homepage](#)

A department of the California Environmental Protection Agency

FACILITY DETAILS**Facility Information**

Facility Name : Alberto G. Auto Body & Paint Facility ID : 110274
 Street : 13861 Harbor Blvd [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (714) 265-9518
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Apro, Llc DbA United Pacific #200 Facility ID : 180996
 Street : 13501 Harbor Blvd [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843 3818
 Phone : (310) 323-3992
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : Big Pappa's Oil Inc/garden Grove Ser Stn Facility ID : 144606
 Street : 12931 Garden Grove Blvd [SIC Code](#) : 9999
 City : Garden Grove Zip : 92842
 Phone : (714) 534-2214
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Br Petroleum Inc Facility ID : 181190
 Street : 13202 Brookhurst [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (562) 682-5763
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Cal Fuel, Inc. Facility ID : 174956
 Street : 12422 Valley View St SIC Code : 9999
 City : Garden Grove Zip : 92845
 Phone : (714) 891-2345
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : Cardlock Fuels System, Inc. Facility ID : 122266
 Street : 7190 Blades Ave [SIC Code](#) : 9999
 City : Garden Grove Zip : 92842
 Phone : (714) 516-7365
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Catalina Cylinders, Inc. Facility ID : 89852
 Street : 7300 Anaconda Ave SIC Code : 3443
 City : Garden Grove Zip : 92841
 Phone : (714) 487-6010
 County : Orange
 Air Basin : South Coast
 District : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) :**Emissions Data**

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	0.7	Tons/Yr
	ROG	0.6	Tons/Yr
	CO	0.5	Tons/Yr
	NOX	1.3	Tons/Yr
	SOX	0	Tons/Yr
	PM	1.7	Tons/Yr
	PM10	1.5	Tons/Yr
	PM2.5	1.5	Tons/Yr
TOXIC DATA MAY COME FROM VARIOUS YEARS			
Download CSV file	Benzene	0.2	Lbs/Yr
	Formaldehyde	0.4	Lbs/Yr
	NH3	75.3	Lbs/Yr
	Naphthalene	0	Lbs/Yr
	PAHs-w/o	0	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Choice Of Color Facility ID : 128355
 Street : 13871 West St [SIC Code](#) : 7535
 City : Garden Grove Zip : 92804
 Phone : (714) 265-0903
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Circle K Stores Inc. Facility ID : 169331
 Street : 13031 Magnolia St [SIC Code](#) : 9999
 City : Garden Grove Zip : 92844
 Phone : (951) 270-5108
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : I

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Coastline High Performance Coatings,lt. Facility ID : 112684
 Street : 7181 Orangewood Ave SIC Code : 3663
 City : Garden Grove Zip : 92841
 Phone : (714) 372-3263
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : South Coast Aqmd

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : A

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	0.9	Tons/Yr
	ROG	0.8	Tons/Yr
	CO	0	Tons/Yr
	NOX	0	Tons/Yr
	SOX	0	Tons/Yr
	PM	0	Tons/Yr
	PM10	0	Tons/Yr
	PM2.5	0	Tons/Yr

TOXIC DATA MAY COME FROM VARIOUS YEARS

Download CSV file	1,2,4TriMeBenze	10.3	Lbs/Yr
	Ethyl Benzene	46	Lbs/Yr
	Formaldehyde	0.3	Lbs/Yr
	MEK	8.2	Lbs/Yr
	MIBK	92.5	Lbs/Yr
	Methanol	3.5	Lbs/Yr
	Toluene	373.1	Lbs/Yr
	Xylenes	184	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please

contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Coastline Metal Finishing Inc Facility ID : 175222
 Street : 7061 Patterson Dr SIC Code : 3471
 City : Garden Grove Zip : 92841
 Phone : (310) 738-5204
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : U

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	3.5	Tons/Yr
	ROG	3.5	Tons/Yr
	CO	0.3	Tons/Yr
	NOX	0.4	Tons/Yr
	SOX	0.2	Tons/Yr
	PM	2.1	Tons/Yr
	PM10	2	Tons/Yr
	PM2.5	1.9	Tons/Yr

TOXIC DATA MAY COME FROM VARIOUS YEARS

Download CSV file	Benzene	0.1	Lbs/Yr
	Formaldehyde	0.1	Lbs/Yr
	Lead	0	Lbs/Yr
	NH3	375.2	Lbs/Yr
	Naphthalene	0	Lbs/Yr
	Nickel	0.3	Lbs/Yr
	PAHs-w/o	0	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion

of the PM10 shown is considered to be diesel exhaust
PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Container Supply Co Inc Facility ID : 10971
 Street : 12571 Western Ave [SIC Code](#) : 3411
 City : Garden Grove Zip : 92841 4012
 Phone : (714) 892-8321
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	0.5	Tons/Yr
	ROG	0.4	Tons/Yr
	CO	0.2	Tons/Yr
	NOX	0.8	Tons/Yr
	SOX	0	Tons/Yr
	PM	3	Tons/Yr
	PM10	1.8	Tons/Yr
	PM2.5	1.3	Tons/Yr
TOXIC DATA MAY COME FROM VARIOUS YEARS			
Download CSV file	Benzene	0.1	Lbs/Yr
	Formaldehyde	0.2	Lbs/Yr
	NH3	217.4	Lbs/Yr
	Naphthalene	0	Lbs/Yr
	PAHs-w/o	0	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Costco Wholesale Facility ID : 118843
 Street : 11000 Garden Grove Blvd [SIC Code](#) : 5399
 City : Garden Grove Zip : 92843
 Phone : (425) 313-8100
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Electron Plating Iii Facility ID : 94035
 Street : 13932 Enterprise Dr [SIC Code](#) : 3479
 City : Garden Grove Zip : 92843
 Phone : (714) 554-2210
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : I

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Ez Auto Center Facility ID : 188598
 Street : 13921 West St [SIC Code](#) : 7539
 City : Garden Grove Zip : 92843 3914
 Phone : (714) 856-2121
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Garden Grove City, Lampson Pumping Stn. Facility ID : 84162
 Street : 11301 Jerry Ln [SIC Code](#) : 4971
 City : Garden Grove Zip : 92843
 Phone : (714) 741-5349
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : U

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	0.2	Tons/Yr
	ROG	0	Tons/Yr
	CO	0.1	Tons/Yr
	NOX	0	Tons/Yr
	SOX	0	Tons/Yr
	PM	0	Tons/Yr
	PM10	0	Tons/Yr
	PM2.5	0	Tons/Yr

TOXIC DATA MAY COME FROM VARIOUS YEARS

Download CSV file	1,3-Butadiene	2.3	Lbs/Yr
	Benzene	5.5	Lbs/Yr
	CCl4	0.1	Lbs/Yr
	EDB	0.1	Lbs/Yr
	EDC	0	Lbs/Yr
	Formaldehyde	71.5	Lbs/Yr
	Methylene Chlor	0.1	Lbs/Yr
	NH3	61.6	Lbs/Yr
	Naphthalene	0.3	Lbs/Yr
	Vinyl Chloride	0	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which

Facility Detail Risk Selection (ARB)

may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Garden Grove City, Pub. Wks Dept, Water Facility ID : 52886
 Street : 11990 Knott St SIC Code : 8351
 City : Garden Grove Zip : 92841
 Phone : (714) 741-5349
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : South Coast Aqmd

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : U

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	0.3	Tons/Yr
	ROG	0	Tons/Yr
	CO	0.3	Tons/Yr
	NOX	0	Tons/Yr
	SOX	0	Tons/Yr
	PM	0.1	Tons/Yr
	PM10	0.1	Tons/Yr
	PM2.5	0.1	Tons/Yr

TOXIC DATA MAY COME FROM VARIOUS YEARS

Download CSV file	1,3-Butadiene	2.9	Lbs/Yr
	B[b]fluoranthen	0	Lbs/Yr
	Benzene	4.8	Lbs/Yr
	CCl4	0.4	Lbs/Yr
	Chrysene	0	Lbs/Yr
	EDB	0.5	Lbs/Yr
	EDC	0.3	Lbs/Yr
	Formaldehyde	577	Lbs/Yr
	Methylene Chlor	0.2	Lbs/Yr
	NH3	192.8	Lbs/Yr
	Naphthalene	0.8	Lbs/Yr
	Vinyl Chloride	0.2	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic

Facility Detail Risk Selection (ARB)

emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Garden Grove City, Water Services Div Facility ID : 103070
 Street : 12573 Haster SIC Code : 4971
 City : Garden Grove Zip : 92840
 Phone : (714) 741-5349
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : U

Emissions Data

	Pollutant	Emissions	Unit
Data from 2019 Download CSV file	TOG	0.2	Tons/Yr
	ROG	0	Tons/Yr
	CO	0.4	Tons/Yr
	NOX	0	Tons/Yr
	SOX	0	Tons/Yr
	PM	0.1	Tons/Yr
	PM10	0	Tons/Yr
	PM2.5	0	Tons/Yr

TOXIC DATA MAY COME FROM VARIOUS YEARS

Download CSV file	1,3-Butadiene	6.8	Lbs/Yr
	Benzene	16.2	Lbs/Yr
	CCl4	0.2	Lbs/Yr
	EDB	0.2	Lbs/Yr
	EDC	0.1	Lbs/Yr
	Formaldehyde	209.9	Lbs/Yr
	Methylene Chlor	0.4	Lbs/Yr
	NH3	180.7	Lbs/Yr
	Naphthalene	1	Lbs/Yr
	Vinyl Chloride	0.1	Lbs/Yr

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which

Facility Detail Risk Selection (ARB)

may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : Gkn Aerospace Transparency Sys Inc Facility ID : 140961
 Street : 12122 Western Ave [SIC Code](#) : 3728
 City : Garden Grove Zip : 92841
 Phone : (714) 893-7531
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk	1996	1.8	>=10	25
Chronic Hazard Index	1996	.34	>1; lead THI >.5	3
Acute Hazard Index	1996		>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : F

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : Global Collision Center Llc Facility ID : 171559
 Street : 10800 Trask Ave [SIC Code](#) : 7549
 City : Garden Grove Zip : 92843
 Phone : (714) 638-7444
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
			Level	Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Imperial Stations Inc # 1 Facility ID : 112507
 Street : 8221 Garden Grove Blvd [SIC Code](#) : 5989
 City : Garden Grove Zip : 92844
 Phone : (714) 895-4437
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : I

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : Krishna Petroleum Co, Inc. Facility ID : 184471
 Street : 13152 Garden Grove Blvd [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (562) 713-3681
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
			Level	Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Le's Auto Body And Repair Facility ID : 170574
 Street : 11711 Westminster Suite 3d [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (714) 944-5065
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : I

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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**FACILITY DETAILS****Facility Information**

Facility Name : Monica Lisa Corp, Chevron Of Garden Grv. Facility ID : 127312
 Street : 13681 Magnolia SIC Code : 9999
 City : Garden Grove Zip : 92844
 Phone : (714) 393-6626
 County : Orange
 Air Basin : South Coast
 District : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : My Goods Market #5217 Facility ID : 180065
 Street : 12512 Knott Ave [SIC Code](#) : 9999
 City : Garden Grove Zip : 92841
 Phone : (925) 884-0800
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : New Hope Paint & Body Facility ID : 182515
 Street : 11615 Anabel Ave [SIC Code](#) : 3449
 City : Garden Grove Zip : 92843
 Phone : (714) 591-5740
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : O C Gas Facility ID : 187290
 Street : 10602 Westminster Ave [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (714) 487-2941
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS

Facility Information

Facility Name : O.c. Petroleum Inc. Db.a Garden Grove 76 Facility ID : 160369
 Street : 13960 Harbor Blvd [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (714) 265-9515
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data

Zero Emissions or No Facility Data Found

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Professional Collision Facility ID : 161077
 Street : 11737 Cardinal Cir [SIC Code](#) : 9999
 City : Garden Grove Zip : 92843
 Phone : (949) 683-5919
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Quality Auto Body Center Facility ID : 171530
 Street : 13902 West St Unit C [SIC Code](#) : 7539
 City : Garden Grove Zip : 92843
 Phone : (714) 265-9500
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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FACILITY DETAILS**Facility Information**

Facility Name : Vorsteiner, Inc. Facility ID : 165523
 Street : 11621 Markon Dr [SIC Code](#) : 9999
 City : Garden Grove Zip : 92841
 Phone : (949) 798-9792
[County](#) : Orange
[Air Basin](#) : South Coast
[District](#) : [South Coast Aqmd](#)

Facility Prioritization	Inventory Year	Above High Threshold?	District Prioritization Threshold	
			High	Low
Cancer Prioritization			10	1
Chronic Prioritization			10	1
Acute Prioritization			10	1

Prioritization scores determine whether a facility must conduct a risk assessment for the "Hot Spots" program. The scores themselves are not an accurate measurement of facility risk.

Health Risk Assessment	Inventory Year	Value	District Notification Level	District RRAP Level
Cancer Risk			>=10	25
Chronic Hazard Index			>1; lead THI >.5	3
Acute Hazard Index			>1; lead THI >.5	3

The facility health risk assessment (HRA) and prioritization score data were collected under the Air Toxic 'Hot Spots' Program. The risk data, submitted to the ARB, may not have been derived from the same toxic emission data that was reported to CEIDARS. Because the facility may have taken action to reduce risks pursuant to the risk assessment, the risk from the facility may have been substantially reduced since the risk assessment was conducted. To determine if more recent data is available, please contact the district.

[Program Status](#) : 1

Emissions Data**Zero Emissions or No Facility Data Found**

The emission inventory data provided here may have been developed over several years and is the most recent information available at ARB for this inventory year. Many facilities are only required to update their toxic emission data if there has been an increase in emissions. Therefore, the toxic emission data presented here should generally be viewed as maximum emission values which may have decreased since this information was reported. If you have questions regarding data updates, please contact the local air district. Note: If this facility has diesel-fueled internal combustion engines, then a portion of the PM10 shown is considered to be diesel exhaust PM10.

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Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

Garden Grove FGPUZA (Existing Land Uses; 2020)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,992.80	1000sqft	103.40	1,992,800.00	0
Government Office Building	1,171.00	1000sqft	227.70	1,171,000.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,055.50	1000sqft	767.40	5,055,500.00	0
Place of Worship	627.90	1000sqft	129.90	627,900.00	0
University/College (4yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	6,257.40	1000sqft	560.30	6,257,400.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	163.10	Acre	163.10	7,104,636.00	0
Hotel	1,642.00	Room	77.90	2,383,500.00	0
Apartments Mid Rise	18,964.00	Dwelling Unit	909.50	18,964,000.00	64910
Congregate Care (Assisted Living)	186.00	Dwelling Unit	13.90	186,300.00	532
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	27,665.00	Dwelling Unit	4,802.90	49,797,000.00	104289
Regional Shopping Center	9,420.00	1000sqft	738.30	9,420,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2020		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

CO2 Intensity (lb/MW hr) 531.98 **CH4 Intensity (lb/MW hr)** 0.033 **N2O Intensity (lb/MW hr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. SCE Energy Intensity values updated to reflect SCE 2020 energy mix.

Land Use - Source: EIR PD Table 3-1. SFH includes ADUs, RSC includes "Other" LU, Govt Office includes Utilities, City Park includes Cemetary, Open / Vacant / ROW space not modeled.

Construction Phase - Model run done for existing land uses in the Planning Area during existing year, 2020. No construction emissions modeled.

Vehicle Trips - Weighted average trip rates derived from a default CalEEMod for specified land uses. Average trip distance adjusted based on avg CalEEMod trip distance from default run and F&P estimates that were annualized.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Energy Use - Updated based on rates contained in CalEEMod v2020.4.0 with adjustments made to reflect the existing building stock would be built to 2013 Title 24 standards (CalGreen).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	1.74	1.83
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	9.96	10.44

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tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
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tblFleetMix	SBUS	6.7700e-004	6.8100e-004
tblFleetMix	SBUS	6.7700e-004	6.8100e-004
tblFleetMix	SBUS	6.7700e-004	6.8100e-004

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tblGrading	AcresOfGrading	0.00	38,750.00
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	2,384,184.00	2,383,500.00
tblLandUse	LandUseSquareFeet	186,000.00	186,300.00
tblLandUse	LotAcreage	45.75	103.40
tblLandUse	LotAcreage	26.88	227.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	116.06	767.40
tblLandUse	LotAcreage	14.41	129.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	143.65	560.30
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	54.73	77.90
tblLandUse	LotAcreage	499.05	909.50
tblLandUse	LotAcreage	11.63	13.90
tblLandUse	LotAcreage	205.09	133.00
tblLandUse	LotAcreage	8,982.14	4,802.90
tblLandUse	LotAcreage	216.25	738.30
tblLandUse	Population	54,237.00	64,910.00
tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	79,122.00	104,289.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.98
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleEF	HHD	0.68	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.10	1.3947e-007

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tblVehicleEF	HHD	2.75	4.36
tblVehicleEF	HHD	1.17	0.92
tblVehicleEF	HHD	3.50	9.6599e-003
tblVehicleEF	HHD	4,770.40	837.94
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	4.52
tblVehicleEF	HHD	4.59	3.36
tblVehicleEF	HHD	19.58	1.96
tblVehicleEF	HHD	0.02	6.7774e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	6.4799e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.2200e-004	8.4416e-004
tblVehicleEF	HHD	5.6590e-003	2.7325e-004
tblVehicleEF	HHD	0.69	0.31
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	4.9400e-004	1.9833e-003
tblVehicleEF	HHD	0.10	7.2068e-007
tblVehicleEF	HHD	0.04	7.3522e-003

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tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.1350e-006
tblVehicleEF	HHD	1.2200e-004	8.4416e-004
tblVehicleEF	HHD	5.6590e-003	2.7325e-004
tblVehicleEF	HHD	0.80	0.55
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.27	1.8466e-007
tblVehicleEF	HHD	4.9400e-004	1.9833e-003
tblVehicleEF	HHD	0.11	7.8905e-007
tblVehicleEF	HHD	0.64	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.09	1.3397e-007
tblVehicleEF	HHD	2.00	4.26
tblVehicleEF	HHD	1.17	0.92
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tblVehicleEF	HHD	5,051.17	838.43
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tblVehicleEF	HHD	23.63	4.42
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tblVehicleEF	HHD	19.57	1.96
tblVehicleEF	HHD	0.02	6.2403e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	5.9661e-003

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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
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tblVehicleEF	HHD	5.7950e-003	2.8683e-004
tblVehicleEF	HHD	0.65	0.33
tblVehicleEF	HHD	1.3300e-004	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	4.8300e-004	1.9894e-003
tblVehicleEF	HHD	0.10	6.9405e-007
tblVehicleEF	HHD	0.05	7.3568e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.1279e-006
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tblVehicleEF	HHD	1.3300e-004	0.00
tblVehicleEF	HHD	0.27	1.7783e-007
tblVehicleEF	HHD	4.8300e-004	1.9894e-003
tblVehicleEF	HHD	0.11	7.5990e-007
tblVehicleEF	HHD	0.73	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.10	1.4078e-007
tblVehicleEF	HHD	3.78	4.51
tblVehicleEF	HHD	1.16	0.92
tblVehicleEF	HHD	3.53	9.7467e-003

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tblVehicleEF	HHD	4,382.68	837.27
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	21.89	4.64
tblVehicleEF	HHD	4.51	3.31
tblVehicleEF	HHD	19.58	1.96
tblVehicleEF	HHD	0.02	7.5190e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	7.1895e-003
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tblVehicleEF	HHD	8.8340e-003	8.6924e-003
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tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.2200e-004	8.2832e-004
tblVehicleEF	HHD	6.2650e-003	2.7114e-004
tblVehicleEF	HHD	0.74	0.30
tblVehicleEF	HHD	8.8000e-005	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	5.3300e-004	2.0842e-003
tblVehicleEF	HHD	0.10	7.2685e-007
tblVehicleEF	HHD	0.04	7.3458e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.1363e-006
tblVehicleEF	HHD	1.2200e-004	8.2832e-004

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tblVehicleEF	HHD	6.2650e-003	2.7114e-004
tblVehicleEF	HHD	0.86	0.54
tblVehicleEF	HHD	8.8000e-005	0.00
tblVehicleEF	HHD	0.27	1.8624e-007
tblVehicleEF	HHD	5.3300e-004	2.0842e-003
tblVehicleEF	HHD	0.11	7.9581e-007
tblVehicleEF	LDA	6.5530e-003	3.3222e-003
tblVehicleEF	LDA	7.1270e-003	0.08
tblVehicleEF	LDA	0.76	0.91
tblVehicleEF	LDA	1.42	3.47
tblVehicleEF	LDA	296.37	285.20
tblVehicleEF	LDA	61.25	71.70
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003
tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.23

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tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	2.9700e-003	2.8192e-003
tblVehicleEF	LDA	6.3700e-004	7.0884e-004
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.40
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	6.9520e-003	3.4288e-003
tblVehicleEF	LDA	6.3260e-003	0.07
tblVehicleEF	LDA	0.83	1.05
tblVehicleEF	LDA	1.21	2.99
tblVehicleEF	LDA	310.18	297.19
tblVehicleEF	LDA	61.25	70.81
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.26
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003
tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.07	0.36
tblVehicleEF	LDA	0.12	0.10

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tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.33
tblVehicleEF	LDA	3.1090e-003	2.9378e-003
tblVehicleEF	LDA	6.3300e-004	6.9999e-004
tblVehicleEF	LDA	0.07	0.36
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.03	0.36
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.37
tblVehicleEF	LDA	6.4200e-003	3.2932e-003
tblVehicleEF	LDA	7.2950e-003	0.08
tblVehicleEF	LDA	0.73	0.85
tblVehicleEF	LDA	1.46	3.58
tblVehicleEF	LDA	291.32	280.77
tblVehicleEF	LDA	61.25	71.90
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003

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tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.13	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.23
tblVehicleEF	LDA	0.10	0.38
tblVehicleEF	LDA	2.9190e-003	2.7754e-003
tblVehicleEF	LDA	6.3800e-004	7.1077e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.13	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.41
tblVehicleEF	LDA	0.05	0.23
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDT1	0.02	9.9930e-003
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	2.02	2.08
tblVehicleEF	LDT1	3.43	6.58
tblVehicleEF	LDT1	360.63	351.28
tblVehicleEF	LDT1	73.09	92.87
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.20	0.47
tblVehicleEF	LDT1	0.04	9.9194e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003

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tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.15	0.75
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.59
tblVehicleEF	LDT1	0.24	0.69
tblVehicleEF	LDT1	3.6330e-003	3.4728e-003
tblVehicleEF	LDT1	7.9100e-004	9.1812e-004
tblVehicleEF	LDT1	0.15	0.75
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.07	0.76
tblVehicleEF	LDT1	0.19	0.59
tblVehicleEF	LDT1	0.26	0.76
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	2.18	2.39
tblVehicleEF	LDT1	2.91	5.62
tblVehicleEF	LDT1	376.30	364.77
tblVehicleEF	LDT1	73.09	91.11
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.44
tblVehicleEF	LDT1	0.04	9.9194e-003

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tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003
tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.23	0.86
tblVehicleEF	LDT1	0.32	0.22
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.60
tblVehicleEF	LDT1	0.21	0.62
tblVehicleEF	LDT1	3.7920e-003	3.6061e-003
tblVehicleEF	LDT1	7.8200e-004	9.0069e-004
tblVehicleEF	LDT1	0.23	0.86
tblVehicleEF	LDT1	0.32	0.22
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.07	0.68
tblVehicleEF	LDT1	0.18	0.60
tblVehicleEF	LDT1	0.23	0.68
tblVehicleEF	LDT1	0.02	9.9087e-003
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	1.96	1.96
tblVehicleEF	LDT1	3.54	6.79
tblVehicleEF	LDT1	354.88	346.31
tblVehicleEF	LDT1	73.09	93.26

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tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.20	0.48
tblVehicleEF	LDT1	0.04	9.9194e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003
tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.15	0.74
tblVehicleEF	LDT1	0.35	0.21
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.61
tblVehicleEF	LDT1	0.25	0.71
tblVehicleEF	LDT1	3.5750e-003	3.4236e-003
tblVehicleEF	LDT1	7.9300e-004	9.2195e-004
tblVehicleEF	LDT1	0.15	0.74
tblVehicleEF	LDT1	0.35	0.21
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.07	0.77
tblVehicleEF	LDT1	0.23	0.61
tblVehicleEF	LDT1	0.27	0.77
tblVehicleEF	LDT2	8.6320e-003	4.1039e-003
tblVehicleEF	LDT2	8.2970e-003	0.09
tblVehicleEF	LDT2	0.97	1.10

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tblVehicleEF	LDT2	1.67	4.15
tblVehicleEF	LDT2	408.00	373.75
tblVehicleEF	LDT2	83.22	94.33
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.05	0.31
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	0.11	0.45
tblVehicleEF	LDT2	4.0880e-003	3.6944e-003
tblVehicleEF	LDT2	8.6100e-004	9.3254e-004
tblVehicleEF	LDT2	0.05	0.31
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.50
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	0.12	0.50

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tblVehicleEF	LDT2	9.1430e-003	4.2346e-003
tblVehicleEF	LDT2	7.3790e-003	0.09
tblVehicleEF	LDT2	1.07	1.27
tblVehicleEF	LDT2	1.43	3.56
tblVehicleEF	LDT2	426.32	386.67
tblVehicleEF	LDT2	83.22	93.26
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.13	0.39
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.08	0.35
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.22
tblVehicleEF	LDT2	0.10	0.41
tblVehicleEF	LDT2	4.2730e-003	3.8221e-003
tblVehicleEF	LDT2	8.5600e-004	9.2192e-004
tblVehicleEF	LDT2	0.08	0.35
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.07	0.00

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tblVehicleEF	LDT2	0.03	0.45
tblVehicleEF	LDT2	0.06	0.22
tblVehicleEF	LDT2	0.11	0.45
tblVehicleEF	LDT2	8.4620e-003	4.0683e-003
tblVehicleEF	LDT2	8.4930e-003	0.10
tblVehicleEF	LDT2	0.94	1.04
tblVehicleEF	LDT2	1.73	4.27
tblVehicleEF	LDT2	401.27	368.99
tblVehicleEF	LDT2	83.22	94.56
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.15	0.42
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.05	0.30
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	0.11	0.46
tblVehicleEF	LDT2	4.0210e-003	3.6473e-003
tblVehicleEF	LDT2	8.6200e-004	9.3487e-004

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tblVehicleEF	LDT2	0.05	0.30
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.51
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	0.13	0.51
tblVehicleEF	LHD1	6.3570e-003	6.1885e-003
tblVehicleEF	LHD1	0.02	6.1715e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.87
tblVehicleEF	LHD1	3.29	2.14
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.67
tblVehicleEF	LHD1	35.85	19.14
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.79
tblVehicleEF	LHD1	1.13	0.50
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003

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tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	3.4680e-003	0.13
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	0.32	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1270e-003	6.0115e-003
tblVehicleEF	LHD1	4.2000e-004	1.8922e-004
tblVehicleEF	LHD1	3.4680e-003	0.13
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.0560e-003	0.00
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	0.35	0.15
tblVehicleEF	LHD1	6.3570e-003	6.2067e-003
tblVehicleEF	LHD1	0.02	6.2724e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	3.14	2.05
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.69
tblVehicleEF	LHD1	35.85	18.99

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tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.74
tblVehicleEF	LHD1	1.08	0.48
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003
tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	5.2080e-003	0.15
tblVehicleEF	LHD1	0.12	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.18
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1280e-003	6.0118e-003
tblVehicleEF	LHD1	4.1700e-004	1.8772e-004
tblVehicleEF	LHD1	5.2080e-003	0.15
tblVehicleEF	LHD1	0.12	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.9180e-003	0.00

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tblVehicleEF	LHD1	0.10	0.13
tblVehicleEF	LHD1	0.32	0.18
tblVehicleEF	LHD1	0.34	0.14
tblVehicleEF	LHD1	6.3570e-003	6.1849e-003
tblVehicleEF	LHD1	0.02	6.1451e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	3.32	2.15
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.66
tblVehicleEF	LHD1	35.85	19.16
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.78
tblVehicleEF	LHD1	1.14	0.51
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003
tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	3.6860e-003	0.13
tblVehicleEF	LHD1	0.13	0.04

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tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.32	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1270e-003	6.0115e-003
tblVehicleEF	LHD1	4.2100e-004	1.8946e-004
tblVehicleEF	LHD1	3.6860e-003	0.13
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.0330e-003	0.00
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.36	0.15
tblVehicleEF	LHD2	4.6500e-003	4.6310e-003
tblVehicleEF	LHD2	5.8620e-003	4.7981e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.45	0.54
tblVehicleEF	LHD2	1.67	1.55
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.76
tblVehicleEF	LHD2	30.01	13.77
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	0.97
tblVehicleEF	LHD2	0.66	0.36

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tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	1.4140e-003	0.09
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.15	0.09
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1920e-003	6.4878e-003
tblVehicleEF	LHD2	3.3100e-004	1.3611e-004
tblVehicleEF	LHD2	1.4140e-003	0.09
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.17	0.10

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tblVehicleEF	LHD2	4.6500e-003	4.6446e-003
tblVehicleEF	LHD2	5.9540e-003	4.8409e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.46	0.54
tblVehicleEF	LHD2	1.60	1.49
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.77
tblVehicleEF	LHD2	30.01	13.66
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	0.92
tblVehicleEF	LHD2	0.63	0.35
tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	2.1090e-003	0.10
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	0.00
tblVehicleEF	LHD2	0.05	0.07

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tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.09
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1920e-003	6.4879e-003
tblVehicleEF	LHD2	3.3000e-004	1.3503e-004
tblVehicleEF	LHD2	2.1090e-003	0.10
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.16	0.10
tblVehicleEF	LHD2	4.6500e-003	4.6283e-003
tblVehicleEF	LHD2	5.8380e-003	4.7872e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.45	0.54
tblVehicleEF	LHD2	1.68	1.56
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.76
tblVehicleEF	LHD2	30.01	13.79
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	0.96
tblVehicleEF	LHD2	0.67	0.37
tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01

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tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	1.4720e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.16	0.10
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1910e-003	6.4878e-003
tblVehicleEF	LHD2	3.3100e-004	1.3628e-004
tblVehicleEF	LHD2	1.4720e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.17	0.10
tblVehicleEF	MCY	0.53	0.19
tblVehicleEF	MCY	0.15	0.19
tblVehicleEF	MCY	19.48	14.48

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tblVehicleEF	MCY	9.63	7.65
tblVehicleEF	MCY	187.52	192.21
tblVehicleEF	MCY	45.30	51.72
tblVehicleEF	MCY	1.13	0.62
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.07	2.15
tblVehicleEF	MCY	0.66	3.62
tblVehicleEF	MCY	0.66	0.00
tblVehicleEF	MCY	2.62	1.29
tblVehicleEF	MCY	0.63	3.64
tblVehicleEF	MCY	2.08	1.41
tblVehicleEF	MCY	2.2730e-003	1.9002e-003
tblVehicleEF	MCY	6.7100e-004	5.1128e-004
tblVehicleEF	MCY	1.07	2.15
tblVehicleEF	MCY	0.66	3.62
tblVehicleEF	MCY	0.66	0.00
tblVehicleEF	MCY	3.25	1.53
tblVehicleEF	MCY	0.63	3.64
tblVehicleEF	MCY	2.26	1.53

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tblVehicleEF	MCY	0.52	0.19
tblVehicleEF	MCY	0.14	0.17
tblVehicleEF	MCY	18.74	14.17
tblVehicleEF	MCY	8.81	7.01
tblVehicleEF	MCY	187.52	191.63
tblVehicleEF	MCY	45.30	50.18
tblVehicleEF	MCY	0.99	0.54
tblVehicleEF	MCY	0.29	0.15
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.74	2.64
tblVehicleEF	MCY	0.72	3.72
tblVehicleEF	MCY	1.10	0.00
tblVehicleEF	MCY	2.56	1.26
tblVehicleEF	MCY	0.60	3.57
tblVehicleEF	MCY	1.85	1.25
tblVehicleEF	MCY	2.2590e-003	1.8945e-003
tblVehicleEF	MCY	6.5100e-004	4.9610e-004
tblVehicleEF	MCY	1.74	2.64
tblVehicleEF	MCY	0.72	3.72
tblVehicleEF	MCY	1.10	0.00

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tblVehicleEF	MCY	3.17	1.36
tblVehicleEF	MCY	0.60	3.57
tblVehicleEF	MCY	2.01	1.36
tblVehicleEF	MCY	0.53	0.19
tblVehicleEF	MCY	0.16	0.19
tblVehicleEF	MCY	19.59	14.51
tblVehicleEF	MCY	9.76	7.76
tblVehicleEF	MCY	187.52	192.28
tblVehicleEF	MCY	45.30	51.99
tblVehicleEF	MCY	1.11	0.60
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.17	2.10
tblVehicleEF	MCY	0.86	3.62
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	2.64	1.29
tblVehicleEF	MCY	0.73	3.93
tblVehicleEF	MCY	2.12	1.44
tblVehicleEF	MCY	2.2750e-003	1.9009e-003
tblVehicleEF	MCY	6.7500e-004	5.1398e-004

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tblVehicleEF	MCY	1.17	2.10
tblVehicleEF	MCY	0.86	3.62
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	3.26	1.56
tblVehicleEF	MCY	0.73	3.93
tblVehicleEF	MCY	2.31	1.56
tblVehicleEF	MDV	0.02	6.6032e-003
tblVehicleEF	MDV	0.02	0.12
tblVehicleEF	MDV	1.77	1.46
tblVehicleEF	MDV	3.11	4.62
tblVehicleEF	MDV	543.27	454.50
tblVehicleEF	MDV	109.34	113.57
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.55
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003
tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.26

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tblVehicleEF	MDV	0.25	0.64
tblVehicleEF	MDV	5.4490e-003	4.4904e-003
tblVehicleEF	MDV	1.1480e-003	1.1227e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.07	0.70
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.27	0.70
tblVehicleEF	MDV	0.02	6.7728e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.90	1.67
tblVehicleEF	MDV	2.66	3.97
tblVehicleEF	MDV	567.14	467.94
tblVehicleEF	MDV	109.34	112.33
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003
tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.11	0.40
tblVehicleEF	MDV	0.17	0.11

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tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.22	0.57
tblVehicleEF	MDV	5.6890e-003	4.6233e-003
tblVehicleEF	MDV	1.1400e-003	1.1105e-003
tblVehicleEF	MDV	0.11	0.40
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.07	0.63
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.24	0.63
tblVehicleEF	MDV	0.02	6.5541e-003
tblVehicleEF	MDV	0.02	0.12
tblVehicleEF	MDV	1.72	1.38
tblVehicleEF	MDV	3.20	4.76
tblVehicleEF	MDV	534.52	449.54
tblVehicleEF	MDV	109.34	113.84
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003

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tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.27
tblVehicleEF	MDV	0.25	0.65
tblVehicleEF	MDV	5.3610e-003	4.4414e-003
tblVehicleEF	MDV	1.1500e-003	1.1254e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.07	0.71
tblVehicleEF	MDV	0.11	0.27
tblVehicleEF	MDV	0.28	0.71
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.53	1.80
tblVehicleEF	MH	7.14	2.48
tblVehicleEF	MH	1,138.98	1,521.95
tblVehicleEF	MH	63.70	22.72
tblVehicleEF	MH	1.26	1.48
tblVehicleEF	MH	0.90	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004

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tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.18	32.10
tblVehicleEF	MH	0.08	9.40
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6200e-004	2.2458e-004
tblVehicleEF	MH	1.18	32.10
tblVehicleEF	MH	0.08	9.40
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.47	0.13
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.59	1.83
tblVehicleEF	MH	6.72	2.36
tblVehicleEF	MH	1,138.98	1,522.01
tblVehicleEF	MH	63.70	22.50
tblVehicleEF	MH	1.15	1.38
tblVehicleEF	MH	0.86	0.26
tblVehicleEF	MH	0.13	0.04

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tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.74	36.99
tblVehicleEF	MH	0.08	9.84
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.08
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5500e-004	2.2242e-004
tblVehicleEF	MH	1.74	36.99
tblVehicleEF	MH	0.08	9.84
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.45	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.51	1.79
tblVehicleEF	MH	7.19	2.50
tblVehicleEF	MH	1,138.98	1,521.93
tblVehicleEF	MH	63.70	22.75

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tblVehicleEF	MH	1.23	1.45
tblVehicleEF	MH	0.91	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.35	31.37
tblVehicleEF	MH	0.10	9.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.20
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6300e-004	2.2491e-004
tblVehicleEF	MH	1.35	31.37
tblVehicleEF	MH	0.10	9.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.13
tblVehicleEF	MH	0.02	0.20
tblVehicleEF	MH	0.47	0.13
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6590e-003	8.4599e-003
tblVehicleEF	MHD	0.06	0.01

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tblVehicleEF	MHD	0.44	0.63
tblVehicleEF	MHD	0.61	0.57
tblVehicleEF	MHD	7.49	1.63
tblVehicleEF	MHD	133.10	134.92
tblVehicleEF	MHD	1,158.03	1,234.98
tblVehicleEF	MHD	65.62	14.81
tblVehicleEF	MHD	0.81	1.04
tblVehicleEF	MHD	1.86	1.57
tblVehicleEF	MHD	9.86	0.96
tblVehicleEF	MHD	2.2420e-003	4.0972e-003
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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	2.1450e-003	3.9197e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	1.3410e-003	0.03
tblVehicleEF	MHD	0.05	8.6306e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.3700e-004	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.2830e-003	1.2624e-003

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tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.4636e-004
tblVehicleEF	MHD	1.3410e-003	0.03
tblVehicleEF	MHD	0.05	8.6306e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	8.3700e-004	0.00
tblVehicleEF	MHD	0.11	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.7760e-003	8.5247e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.53
tblVehicleEF	MHD	0.62	0.58
tblVehicleEF	MHD	7.11	1.56
tblVehicleEF	MHD	140.97	136.52
tblVehicleEF	MHD	1,158.03	1,234.99
tblVehicleEF	MHD	65.62	14.67
tblVehicleEF	MHD	0.84	1.04
tblVehicleEF	MHD	1.75	1.48
tblVehicleEF	MHD	9.81	0.95
tblVehicleEF	MHD	1.8900e-003	3.4603e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	1.8090e-003	3.3104e-003

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tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	2.0150e-003	0.04
tblVehicleEF	MHD	0.05	9.0475e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1980e-003	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.02	0.06
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	1.2777e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.4507e-004
tblVehicleEF	MHD	2.0150e-003	0.04
tblVehicleEF	MHD	0.05	9.0475e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.1980e-003	0.00
tblVehicleEF	MHD	0.11	0.06
tblVehicleEF	MHD	0.02	0.06
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6270e-003	8.4391e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.77
tblVehicleEF	MHD	0.61	0.57
tblVehicleEF	MHD	7.56	1.65

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tblVehicleEF	MHD	122.21	132.70
tblVehicleEF	MHD	1,158.03	1,234.98
tblVehicleEF	MHD	65.62	14.83
tblVehicleEF	MHD	0.78	1.03
tblVehicleEF	MHD	1.83	1.54
tblVehicleEF	MHD	9.87	0.96
tblVehicleEF	MHD	2.7290e-003	4.9766e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	2.6110e-003	4.7611e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	1.4110e-003	0.03
tblVehicleEF	MHD	0.06	8.5678e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.2400e-004	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	1.2412e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.4662e-004
tblVehicleEF	MHD	1.4110e-003	0.03

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tblVehicleEF	MHD	0.06	8.5678e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	8.2400e-004	0.00
tblVehicleEF	MHD	0.11	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.68	1.45
tblVehicleEF	OBUS	6.09	2.90
tblVehicleEF	OBUS	110.73	78.29
tblVehicleEF	OBUS	1,273.03	1,499.88
tblVehicleEF	OBUS	68.83	23.98
tblVehicleEF	OBUS	0.65	0.45
tblVehicleEF	OBUS	2.05	2.03
tblVehicleEF	OBUS	2.66	0.57
tblVehicleEF	OBUS	3.0000e-004	1.5482e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	2.8700e-004	1.4809e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04

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tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	1.4950e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.8100e-004	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	OBUS	1.0690e-003	7.1547e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	2.3705e-004
tblVehicleEF	OBUS	1.4950e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	7.8100e-004	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.42	0.16
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.50
tblVehicleEF	OBUS	0.69	1.46
tblVehicleEF	OBUS	5.75	2.75
tblVehicleEF	OBUS	116.31	78.71
tblVehicleEF	OBUS	1,273.03	1,499.91
tblVehicleEF	OBUS	68.83	23.72

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tblVehicleEF	OBUS	0.67	0.45
tblVehicleEF	OBUS	1.93	1.91
tblVehicleEF	OBUS	2.62	0.56
tblVehicleEF	OBUS	2.5300e-004	1.3103e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	2.4200e-004	1.2533e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04
tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	2.1920e-003	0.10
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.1100e-003	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.37	0.14
tblVehicleEF	OBUS	1.1220e-003	7.1944e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	2.3453e-004
tblVehicleEF	OBUS	2.1920e-003	0.10
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1100e-003	0.00

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tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.40	0.15
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.31	0.54
tblVehicleEF	OBUS	0.68	1.44
tblVehicleEF	OBUS	6.15	2.92
tblVehicleEF	OBUS	103.03	77.71
tblVehicleEF	OBUS	1,273.03	1,499.88
tblVehicleEF	OBUS	68.83	24.02
tblVehicleEF	OBUS	0.62	0.45
tblVehicleEF	OBUS	2.02	1.99
tblVehicleEF	OBUS	2.67	0.58
tblVehicleEF	OBUS	3.6500e-004	1.8768e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	3.4900e-004	1.7952e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04
tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	1.5550e-003	0.09
tblVehicleEF	OBUS	0.02	0.03

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tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.6300e-004	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.39	0.15
tblVehicleEF	OBUS	9.9500e-004	7.1000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	2.3745e-004
tblVehicleEF	OBUS	1.5550e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	7.6300e-004	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.42	0.16
tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.07	7.4793e-003
tblVehicleEF	SBUS	7.89	2.71
tblVehicleEF	SBUS	0.84	5.53
tblVehicleEF	SBUS	7.67	1.10
tblVehicleEF	SBUS	1,153.25	254.84
tblVehicleEF	SBUS	1,098.50	1,255.75
tblVehicleEF	SBUS	52.01	6.09
tblVehicleEF	SBUS	10.62	1.40
tblVehicleEF	SBUS	4.93	3.78
tblVehicleEF	SBUS	12.73	0.15

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tblVehicleEF	SBUS	0.01	2.5430e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	0.01	2.4213e-003
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tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	3.4480e-003	0.05
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tblVehicleEF	SBUS	0.96	0.28
tblVehicleEF	SBUS	1.6800e-003	0.00
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.40	0.05
tblVehicleEF	SBUS	0.01	1.4786e-003
tblVehicleEF	SBUS	0.01	7.6559e-003
tblVehicleEF	SBUS	6.5300e-004	6.0217e-005
tblVehicleEF	SBUS	3.4480e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.38	0.77
tblVehicleEF	SBUS	1.6800e-003	0.00
tblVehicleEF	SBUS	0.14	0.19
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.44	0.05

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tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
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tblVehicleEF	SBUS	0.86	5.55
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tblVehicleEF	SBUS	1,206.53	258.76
tblVehicleEF	SBUS	1,098.50	1,255.78
tblVehicleEF	SBUS	52.01	5.77
tblVehicleEF	SBUS	10.96	1.44
tblVehicleEF	SBUS	4.65	3.55
tblVehicleEF	SBUS	12.69	0.15
tblVehicleEF	SBUS	0.01	2.1944e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	9.8410e-003	2.0877e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	5.0870e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.95	0.28
tblVehicleEF	SBUS	2.4200e-003	0.00
tblVehicleEF	SBUS	0.12	0.13

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tblVehicleEF	SBUS	0.01	0.03
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tblVehicleEF	SBUS	0.01	7.6563e-003
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tblVehicleEF	SBUS	5.0870e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.37	0.77
tblVehicleEF	SBUS	2.4200e-003	0.00
tblVehicleEF	SBUS	0.14	0.18
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.07	7.5876e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	5.52
tblVehicleEF	SBUS	7.93	1.12
tblVehicleEF	SBUS	1,079.68	249.42
tblVehicleEF	SBUS	1,098.50	1,255.74
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tblVehicleEF	SBUS	10.15	1.35
tblVehicleEF	SBUS	4.85	3.71
tblVehicleEF	SBUS	12.73	0.15
tblVehicleEF	SBUS	0.01	3.0245e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	0.01	2.8819e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	3.6280e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.96	0.28
tblVehicleEF	SBUS	1.6230e-003	0.00
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	SBUS	0.01	1.4274e-003
tblVehicleEF	SBUS	0.01	7.6559e-003
tblVehicleEF	SBUS	6.5700e-004	6.0519e-005
tblVehicleEF	SBUS	3.6280e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.38	0.77
tblVehicleEF	SBUS	1.6230e-003	0.00
tblVehicleEF	SBUS	0.14	0.20
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.45	0.05
tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	12.36	27.51

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tblVehicleEF	UBUS	8.85	1.73
tblVehicleEF	UBUS	2,008.92	2,235.48
tblVehicleEF	UBUS	88.02	13.63
tblVehicleEF	UBUS	11.49	0.70
tblVehicleEF	UBUS	15.98	0.19
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	4.1600e-003	0.05
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	2.3210e-003	0.00
tblVehicleEF	UBUS	0.96	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.01	2.0369e-003
tblVehicleEF	UBUS	1.0390e-003	1.3474e-004
tblVehicleEF	UBUS	4.1600e-003	0.05
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	2.3210e-003	0.00
tblVehicleEF	UBUS	4.03	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.08

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tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.04	0.02
tblVehicleEF	UBUS	12.41	27.51
tblVehicleEF	UBUS	7.66	1.57
tblVehicleEF	UBUS	2,008.92	2,235.49
tblVehicleEF	UBUS	88.02	13.35
tblVehicleEF	UBUS	10.84	0.70
tblVehicleEF	UBUS	15.93	0.18
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	5.9230e-003	0.06
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	3.1960e-003	0.00
tblVehicleEF	UBUS	0.97	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.60	0.07
tblVehicleEF	UBUS	0.01	2.0370e-003
tblVehicleEF	UBUS	1.0190e-003	1.3200e-004
tblVehicleEF	UBUS	5.9230e-003	0.06
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	3.1960e-003	0.00

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tblVehicleEF	UBUS	4.04	0.06
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	12.34	27.51
tblVehicleEF	UBUS	9.07	1.76
tblVehicleEF	UBUS	2,008.92	2,235.48
tblVehicleEF	UBUS	88.02	13.67
tblVehicleEF	UBUS	11.27	0.70
tblVehicleEF	UBUS	15.99	0.19
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	4.7740e-003	0.05
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	2.4590e-003	0.00
tblVehicleEF	UBUS	0.96	0.02
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.01	2.0369e-003
tblVehicleEF	UBUS	1.0430e-003	1.3514e-004

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tblVehicleEF	UBUS	4.7740e-003	0.05
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	2.4590e-003	0.00
tblVehicleEF	UBUS	4.02	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.74	0.08
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	28.19
tblVehicleTrips	ST_TR	3.12	0.00

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tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	18.82
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	9.11	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	30.77
tblVehicleTrips	WD_TR	8.96	0.00

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	574.9192	18.3646	809.5629	0.8120		49.0135	49.0135		49.0135	49.0135	5,145.5703	10,704.7999	15,850.3702	16.1428	0.3492	16,358.0146
Energy	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	238,380.7540	238,380.7540	11.2674	2.6804	239,461.2019
Mobile	596.4901	570.3477	4,807.9957	9.2085	788.4979	8.1101	796.6080	196.8031	7.5864	204.3895	0.0000	853,447.3815	853,447.3815	52.7329	0.0000	854,765.7041
Waste						0.0000	0.0000		0.0000	0.0000	18,664.2720	0.0000	18,664.2720	1,103.0269	0.0000	46,239.9440
Water						0.0000	0.0000		0.0000	0.0000	2,140.0551	30,302.6337	32,442.6888	221.6839	5.4179	39,599.3216
Total	1,179.7066	660.4200	5,653.6248	10.4731	788.4979	62.8562	851.3541	196.8031	62.3326	259.1357	25,949.8975	1,132,835.5691	1,158,785.4666	1,404.8539	8.4476	1,196,424.1861

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	574.9192	18.3646	809.5629	0.8120		49.0135	49.0135		49.0135	49.0135	5,145.5703	10,704.7999	15,850.3702	16.1428	0.3492	16,358.0146
Energy	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	238,380.7540	238,380.7540	11.2674	2.6804	239,461.2019
Mobile	596.4901	570.3477	4,807.9957	9.2085	788.4979	8.1101	796.6080	196.8031	7.5864	204.3895	0.0000	853,447.3815	853,447.3815	52.7329	0.0000	854,765.7041
Waste						0.0000	0.0000		0.0000	0.0000	18,664.2720	0.0000	18,664.2720	1,103.0269	0.0000	46,239.9440
Water						0.0000	0.0000		0.0000	0.0000	2,140.0551	30,302.6337	32,442.6888	221.6839	5.4179	39,599.3216
Total	1,179.7066	660.4200	5,653.6248	10.4731	788.4979	62.8562	851.3541	196.8031	62.3326	259.1357	25,949.8975	1,132,835.5691	1,158,785.4666	1,404.8539	8.4476	1,196,424.1861

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

3.0 Construction Detail

Construction Phase

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	12/31/2018	5	0	
2	Architectural Coating	Architectural Coating	1/13/2019	1/11/2019	5	0	
3	Grading	Grading	4/30/2019	4/29/2019	5	0	
4	Site Preparation	Site Preparation	5/1/2019	4/30/2019	5	0	
5	Building Construction	Building Construction	9/29/2019	9/27/2019	5	0	
6	Paving	Paving	11/14/2019	11/13/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 143,574,323; Residential Outdoor: 47,858,108; Non-Residential Indoor: 45,069,300; Non-Residential Outdoor: 15,023,100; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

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3.7 Paving - 2019

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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	596.4901	570.3477	4,807.9957	9.2085	788.4979	8.1101	796.6080	196.8031	7.5864	204.3895	0.0000	853,447.3815	853,447.3815	52.7329	0.0000	854,765.7041
Unmitigated	596.4901	570.3477	4,807.9957	9.2085	788.4979	8.1101	796.6080	196.8031	7.5864	204.3895	0.0000	853,447.3815	853,447.3815	52.7329	0.0000	854,765.7041

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	851,252.05	779,876.35	520,655.30	2,282,730,113	2,282,730,113
University/College (4yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	851,252.05	779,876.35	520,655.30	2,282,730,113	2,282,730,113

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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Congregate Care (Assisted Living)	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Elementary School	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
General Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Government Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Hospital	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Hotel	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Industrial Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Mobile Home Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Place of Worship	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Regional Shopping Center	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Single Family Housing	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
University/College (4yr)	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Unrefrigerated Warehouse-No Rail	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	156,266.4442	156,266.4442	9.6936	1.1750	156,858.9278
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	156,266.4442	156,266.4442	9.6936	1.1750	156,858.9278
NaturalGas Mitigated	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741
NaturalGas Unmitigated	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.12955e+008	1.6875	14.4205	6.1364	0.0921		1.1659	1.1659		1.1659	1.1659	0.0000	16,700.4465	16,700.4465	0.3201	0.3062	16,799.6889
City Park	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
Congregate Care (Assisted Living)	3.06948e+006	0.0166	0.1414	0.0602	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7989	163.7989	3.1400e-003	3.0000e-003	164.7723
Elementary School	5.283e+007	0.2849	2.5897	2.1754	0.0155		0.1968	0.1968		0.1968	0.1968	0.0000	2,819.2087	2,819.2087	0.0540	0.0517	2,835.9618
General Office Building	2.08447e+007	0.1124	1.0218	0.8583	6.1300e-003		0.0777	0.0777		0.0777	0.0777	0.0000	1,112.3519	1,112.3519	0.0213	0.0204	1,118.9621
Government Office Building	1.22487e+007	0.0661	0.6004	0.5044	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	653.6351	653.6351	0.0125	0.0120	657.5194
Hospital	3.252e+007	0.1754	1.5941	1.3391	9.5600e-003		0.1212	0.1212		0.1212	0.1212	0.0000	1,735.3910	1,735.3910	0.0333	0.0318	1,745.7036
Hotel	5.73947e+007	0.3095	2.8135	2.3633	0.0169		0.2138	0.2138		0.2138	0.2138	0.0000	3,062.7987	3,062.7987	0.0587	0.0562	3,080.9994
Industrial Park	6.54524e+007	0.3529	3.2085	2.6951	0.0193		0.2438	0.2438		0.2438	0.2438	0.0000	3,492.7895	3,492.7895	0.0670	0.0640	3,513.5454
Mobile Home Park	3.42721e+007	0.1848	1.5792	0.6720	0.0101		0.1277	0.1277		0.1277	0.1277	0.0000	1,828.8899	1,828.8899	0.0351	0.0335	1,839.7581
Place of Worship	1.14089e+007	0.0615	0.5593	0.4698	3.3600e-003		0.0425	0.0425		0.0425	0.0425	0.0000	608.8247	608.8247	0.0117	0.0112	612.4426
Regional Shopping Center	1.5543e+007	0.0838	0.7619	0.6400	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.4337	829.4337	0.0159	0.0152	834.3626
Single Family Housing	9.15185e+008	4.9348	42.1703	17.9448	0.2692		3.4095	3.4095		3.4095	3.4095	0.0000	48,837.7440	48,837.7440	0.9361	0.8954	49,127.9622
University/College (4yr)	2.83632e+006	0.0153	0.1390	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.3571	151.3571	2.9000e-003	2.7700e-003	152.2565
Unrefrigerated Warehouse-No Rail	2.20449e+006	0.0119	0.1081	0.0908	6.5000e-004		8.2100e-003	8.2100e-003		8.2100e-003	8.2100e-003	0.0000	117.6401	117.6401	2.2500e-003	2.1600e-003	118.3392
Total		8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741

5.2 Energy by Land Use - NaturalGas

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	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					
Apartments Mid Rise	3.12955e+008	1.6875	14.4205	6.1364	0.0921		1.1659	1.1659		1.1659	1.1659	0.0000	16,700.4465	16,700.4465	0.3201	0.3062	16,799.6889
City Park	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
Congregate Care (Assisted Living)	3.06948e+006	0.0166	0.1414	0.0602	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7989	163.7989	3.1400e-003	3.0000e-003	164.7723
Elementary School	5.283e+007	0.2849	2.5897	2.1754	0.0155		0.1968	0.1968		0.1968	0.1968	0.0000	2,819.2087	2,819.2087	0.0540	0.0517	2,835.9618
General Office Building	2.08447e+007	0.1124	1.0218	0.8583	6.1300e-003		0.0777	0.0777		0.0777	0.0777	0.0000	1,112.3519	1,112.3519	0.0213	0.0204	1,118.9621
Government Office Building	1.22487e+007	0.0661	0.6004	0.5044	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	653.6351	653.6351	0.0125	0.0120	657.5194
Hospital	3.252e+007	0.1754	1.5941	1.3391	9.5600e-003		0.1212	0.1212		0.1212	0.1212	0.0000	1,735.3910	1,735.3910	0.0333	0.0318	1,745.7036
Hotel	5.73947e+007	0.3095	2.8135	2.3633	0.0169		0.2138	0.2138		0.2138	0.2138	0.0000	3,062.7987	3,062.7987	0.0587	0.0562	3,080.9994
Industrial Park	6.54524e+007	0.3529	3.2085	2.6951	0.0193		0.2438	0.2438		0.2438	0.2438	0.0000	3,492.7895	3,492.7895	0.0670	0.0640	3,513.5454
Mobile Home Park	3.42721e+007	0.1848	1.5792	0.6720	0.0101		0.1277	0.1277		0.1277	0.1277	0.0000	1,828.8899	1,828.8899	0.0351	0.0335	1,839.7581
Place of Worship	1.14089e+007	0.0615	0.5593	0.4698	3.3600e-003		0.0425	0.0425		0.0425	0.0425	0.0000	608.8247	608.8247	0.0117	0.0112	612.4426
Regional Shopping Center	1.5543e+007	0.0838	0.7619	0.6400	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.4337	829.4337	0.0159	0.0152	834.3626
Single Family Housing	9.15185e+008	4.9348	42.1703	17.9448	0.2692		3.4095	3.4095		3.4095	3.4095	0.0000	48,837.7440	48,837.7440	0.9361	0.8954	49,127.9622
University/College (4yr)	2.83632e+006	0.0153	0.1390	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.3571	151.3571	2.9000e-003	2.7700e-003	152.2565
Unrefrigerated Warehouse-No Rail	2.20449e+006	0.0119	0.1081	0.0908	6.5000e-004		8.2100e-003	8.2100e-003		8.2100e-003	8.2100e-003	0.0000	117.6401	117.6401	2.2500e-003	2.1600e-003	118.3392
Total		8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

5.3 Energy by Land Use - Electricity

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	7.76282e+007	18,731.8419	1.1620	0.1409	18,802.8636
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	761382	183.7230	0.0114	1.3800e-003	184.4196
Elementary School	3.03836e+007	7,331.6147	0.4548	0.0551	7,359.4125
General Office Building	2.63249e+007	6,352.2499	0.3941	0.0478	6,376.3345
Government Office Building	1.54689e+007	3,732.6800	0.2316	0.0281	3,746.8324
Hospital	1.165e+007	2,811.1691	0.1744	0.0211	2,821.8276
Hotel	1.83768e+007	4,434.3562	0.2751	0.0333	4,451.1691
Industrial Park	8.26603e+007	19,946.0903	1.2373	0.1500	20,021.7158
Mobile Home Park	8.61943e+006	2,079.8862	0.1290	0.0156	2,087.7721
Place of Worship	7.03876e+006	1,698.4671	0.1054	0.0128	1,704.9068
Regional Shopping Center	1.2896e+008	31,118.2666	1.9303	0.2340	31,236.2513
Single Family Housing	2.28708e+008	55,187.6987	3.4234	0.4150	55,396.9426
University/College (4yr)	1.05867e+006	255.4597	0.0159	1.9200e-003	256.4283
Unrefrigerated Warehouse-No Rail	9.95823e+006	2,402.9408	0.1491	0.0181	2,412.0515
Total		156,266.4442	9.6936	1.1750	156,858.9278

5.3 Energy by Land Use - Electricity

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.76282e+007	18,731.8419	1.1620	0.1409	18,802.8636
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	761382	183.7230	0.0114	1.3800e-003	184.4196
Elementary School	3.03836e+007	7,331.6147	0.4548	0.0551	7,359.4125
General Office Building	2.63249e+007	6,352.2499	0.3941	0.0478	6,376.3345
Government Office Building	1.54689e+007	3,732.6800	0.2316	0.0281	3,746.8324
Hospital	1.165e+007	2,811.1691	0.1744	0.0211	2,821.8276
Hotel	1.83768e+007	4,434.3562	0.2751	0.0333	4,451.1691
Industrial Park	8.26603e+007	19,946.0903	1.2373	0.1500	20,021.7158
Mobile Home Park	8.61943e+006	2,079.8862	0.1290	0.0156	2,087.7721
Place of Worship	7.03876e+006	1,698.4671	0.1054	0.0128	1,704.9068
Regional Shopping Center	1.2896e+008	31,118.2666	1.9303	0.2340	31,236.2513
Single Family Housing	2.28708e+008	55,187.6987	3.4234	0.4150	55,396.9426
University/College (4yr)	1.05867e+006	255.4597	0.0159	1.9200e-003	256.4283
Unrefrigerated Warehouse-No Rail	9.95823e+006	2,402.9408	0.1491	0.0181	2,412.0515
Total		156,266.4442	9.6936	1.1750	156,858.9278

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	574.9192	18.3646	809.5629	0.8120		49.0135	49.0135		49.0135	49.0135	5,145.5703	10,704.7999	15,850.3702	16.1428	0.3492	16,358.0146
Unmitigated	574.9192	18.3646	809.5629	0.8120		49.0135	49.0135		49.0135	49.0135	5,145.5703	10,704.7999	15,850.3702	16.1428	0.3492	16,358.0146

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

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	36.1087					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	364.8392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	158.6726	12.5639	307.9472	0.7856		46.2560	46.2560		46.2560	46.2560	5,145.5703	9,888.0188	15,033.5891	15.3451	0.3492	15,521.2912
Landscaping	15.2988	5.8008	501.6157	0.0264		2.7575	2.7575		2.7575	2.7575	0.0000	816.7811	816.7811	0.7977	0.0000	836.7234
Total	574.9192	18.3646	809.5629	0.8120		49.0135	49.0135		49.0135	49.0135	5,145.5703	10,704.7999	15,850.3702	16.1428	0.3492	16,358.0146

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	36.1087					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	364.8392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	158.6726	12.5639	307.9472	0.7856		46.2560	46.2560		46.2560	46.2560	5,145.5703	9,888.0188	15,033.5891	15.3451	0.3492	15,521.2912
Landscaping	15.2988	5.8008	501.6157	0.0264		2.7575	2.7575		2.7575	2.7575	0.0000	816.7811	816.7811	0.7977	0.0000	836.7234
Total	574.9192	18.3646	809.5629	0.8120		49.0135	49.0135		49.0135	49.0135	5,145.5703	10,704.7999	15,850.3702	16.1428	0.3492	16,358.0146

7.0 Water Detail

7.1 Mitigation Measures Water

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	32,442.68 88	221.6839	5.4179	39,599.32 16
Unmitigated	32,442.68 88	221.6839	5.4179	39,599.32 16

7.2 Water by Land Use

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1235.58 / 778.953	6,362.450 2	40.6318	0.9956	7,674.919 2
City Park	0 / 194.331	520.9743	0.0323	3.9200e-003	522.9496
Congregate Care (Assisted Living)	12.1186 / 7.64002	62.4033	0.3985	9.7600e-003	75.2761
Elementary School	146.594 / 376.956	1,517.672 7	4.8680	0.1239	1,676.281 0
General Office Building	354.188 / 217.083	1,807.193 6	11.6464	0.2853	2,183.358 8
Government Office Building	232.63 / 142.58	1,186.964 4	7.6493	0.1874	1,434.029 6
Hospital	62.7403 / 11.9505	249.0719	2.0586	0.0500	315.4358
Hotel	41.6522 / 4.62803	156.4925	1.3661	0.0331	200.5169
Industrial Park	1447.02 / 0	5,005.614 2	47.4333	1.1475	6,533.411 1
Mobile Home Park	106.071 / 66.8707	546.1964	3.4881	0.0855	658.8678
Place of Worship	19.6463 / 30.7288	150.3413	0.6491	0.0162	171.3967
Regional Shopping Center	697.763 / 427.661	3,560.238 5	22.9437	0.5620	4,301.297 9
Single Family Housing	1802.49 / 1136.35	9,281.648 6	59.2743	1.4523	11,196.30 04
University/College (4yr)	1.10172 / 1.72321	8.4308	0.0364	9.1000e-004	9.6116
Unrefrigerated Warehouse-No Rail	585.964 / 0	2,026.996 2	19.2079	0.4647	2,645.669 2
Total		32,442.68 89	221.6839	5.4179	39,599.32 16

7.2 Water by Land Use

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1235.58 / 778.953	6,362.4502	40.6318	0.9956	7,674.9192
City Park	0 / 194.331	520.9743	0.0323	3.9200e-003	522.9496
Congregate Care (Assisted Living)	12.1186 / 7.64002	62.4033	0.3985	9.7600e-003	75.2761
Elementary School	146.594 / 376.956	1,517.6727	4.8680	0.1239	1,676.2810
General Office Building	354.188 / 217.083	1,807.1936	11.6464	0.2853	2,183.3588
Government Office Building	232.63 / 142.58	1,186.9644	7.6493	0.1874	1,434.0296
Hospital	62.7403 / 11.9505	249.0719	2.0586	0.0500	315.4358
Hotel	41.6522 / 4.62803	156.4925	1.3661	0.0331	200.5169
Industrial Park	1447.02 / 0	5,005.6142	47.4333	1.1475	6,533.4111
Mobile Home Park	106.071 / 66.8707	546.1964	3.4881	0.0855	658.8678
Place of Worship	19.6463 / 30.7288	150.3413	0.6491	0.0162	171.3967
Regional Shopping Center	697.763 / 427.661	3,560.2385	22.9437	0.5620	4,301.2979
Single Family Housing	1802.49 / 1136.35	9,281.6486	59.2743	1.4523	11,196.3004
University/College (4yr)	1.10172 / 1.72321	8.4308	0.0364	9.1000e-004	9.6116
Unrefrigerated Warehouse-No Rail	585.964 / 0	2,026.9962	19.2079	0.4647	2,645.6692
Total		32,442.6889	221.6839	5.4179	39,599.3216

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18,664.27 20	1,103.026 9	0.0000	46,239.94 40
Unmitigated	18,664.27 20	1,103.026 9	0.0000	46,239.94 40

8.2 Waste by Land Use

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	8723.44	1,770.7795	104.6501	0.0000	4,387.0312
City Park	14.03	2.8480	0.1683	0.0000	7.0557
Congregate Care (Assisted Living)	169.72	34.4516	2.0360	0.0000	85.3525
Elementary School	6572.15	1,334.0871	78.8423	0.0000	3,305.1442
General Office Building	1853.3	376.2032	22.2330	0.0000	932.0274
Government Office Building	1089.03	221.0633	13.0645	0.0000	547.6748
Hospital	5400	1,096.1512	64.7807	0.0000	2,715.6682
Hotel	899	182.4889	10.7848	0.0000	452.1085
Industrial Park	7759.18	1,575.0434	93.0824	0.0000	3,902.1034
Mobile Home Park	748.88	152.0159	8.9839	0.0000	376.6129
Place of Worship	3579.03	726.5108	42.9356	0.0000	1,799.8996
Regional Shopping Center	9891	2,007.7836	118.6566	0.0000	4,974.1989
Single Family Housing	42758.5	8,679.5871	512.9489	0.0000	21,503.3096
University/College (4yr)	107.2	21.7606	1.2860	0.0000	53.9110
Unrefrigerated Warehouse-No Rail	2381.87	483.4981	28.5739	0.0000	1,197.8460
Total		18,664.2720	1,103.0269	0.0000	46,239.9440

8.2 Waste by Land Use

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	8723.44	1,770.779 5	104.6501	0.0000	4,387.031 2
City Park	14.03	2.8480	0.1683	0.0000	7.0557
Congregate Care (Assisted Living)	169.72	34.4516	2.0360	0.0000	85.3525
Elementary School	6572.15	1,334.087 1	78.8423	0.0000	3,305.144 2
General Office Building	1853.3	376.2032	22.2330	0.0000	932.0274
Government Office Building	1089.03	221.0633	13.0645	0.0000	547.6748
Hospital	5400	1,096.151 2	64.7807	0.0000	2,715.668 2
Hotel	899	182.4889	10.7848	0.0000	452.1085
Industrial Park	7759.18	1,575.043 4	93.0824	0.0000	3,902.103 4
Mobile Home Park	748.88	152.0159	8.9839	0.0000	376.6129
Place of Worship	3579.03	726.5108	42.9356	0.0000	1,799.899 6
Regional Shopping Center	9891	2,007.783 6	118.6566	0.0000	4,974.198 9
Single Family Housing	42758.5	8,679.587 1	512.9489	0.0000	21,503.30 96
University/College (4yr)	107.2	21.7606	1.2860	0.0000	53.9110
Unrefrigerated Warehouse-No Rail	2381.87	483.4981	28.5739	0.0000	1,197.846 0
Total		18,664.27 20	1,103.026 9	0.0000	46,239.94 40

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Annual

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

Garden Grove FGPUZA (Existing Land Uses; 2020)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,992.80	1000sqft	103.40	1,992,800.00	0
Government Office Building	1,171.00	1000sqft	227.70	1,171,000.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,055.50	1000sqft	767.40	5,055,500.00	0
Place of Worship	627.90	1000sqft	129.90	627,900.00	0
University/College (4yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	6,257.40	1000sqft	560.30	6,257,400.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	163.10	Acre	163.10	7,104,636.00	0
Hotel	1,642.00	Room	77.90	2,383,500.00	0
Apartments Mid Rise	18,964.00	Dwelling Unit	909.50	18,964,000.00	64910
Congregate Care (Assisted Living)	186.00	Dwelling Unit	13.90	186,300.00	532
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	27,665.00	Dwelling Unit	4,802.90	49,797,000.00	104289
Regional Shopping Center	9,420.00	1000sqft	738.30	9,420,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2020		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

CO2 Intensity (lb/MW hr) 531.98 **CH4 Intensity (lb/MW hr)** 0.033 **N2O Intensity (lb/MW hr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. SCE Energy Intensity values updated to reflect SCE 2020 energy mix.

Land Use - Source: EIR PD Table 3-1. SFH includes ADUs, RSC includes "Other" LU, Govt Office includes Utilities, City Park includes Cemetary, Open / Vacant / ROW space not modeled.

Construction Phase - Model run done for existing land uses in the Planning Area during existing year, 2020. No construction emissions modeled.

Vehicle Trips - Weighted average trip rates derived from a default CalEEMod for specified land uses. Average trip distance adjusted based on avg CalEEMod trip distance from default run and F&P estimates that were annualized.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Energy Use - Updated based on rates contained in CalEEMod v2020.4.0 with adjustments made to reflect the existing building stock would be built to 2013 Title 24 standards (CalGreen).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	1.74	1.83
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	9.96	10.44

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
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tblFleetMix	SBUS	6.7700e-004	6.8100e-004
tblFleetMix	SBUS	6.7700e-004	6.8100e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblGrading	AcresOfGrading	0.00	38,750.00
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	2,384,184.00	2,383,500.00
tblLandUse	LandUseSquareFeet	186,000.00	186,300.00
tblLandUse	LotAcreage	45.75	103.40
tblLandUse	LotAcreage	26.88	227.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	116.06	767.40
tblLandUse	LotAcreage	14.41	129.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	143.65	560.30
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	54.73	77.90
tblLandUse	LotAcreage	499.05	909.50
tblLandUse	LotAcreage	11.63	13.90
tblLandUse	LotAcreage	205.09	133.00
tblLandUse	LotAcreage	8,982.14	4,802.90
tblLandUse	LotAcreage	216.25	738.30
tblLandUse	Population	54,237.00	64,910.00
tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	79,122.00	104,289.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.98
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleEF	HHD	0.68	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.10	1.3947e-007

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	2.75	4.36
tblVehicleEF	HHD	1.17	0.92
tblVehicleEF	HHD	3.50	9.6599e-003
tblVehicleEF	HHD	4,770.40	837.94
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	4.52
tblVehicleEF	HHD	4.59	3.36
tblVehicleEF	HHD	19.58	1.96
tblVehicleEF	HHD	0.02	6.7774e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	6.4799e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.2200e-004	8.4416e-004
tblVehicleEF	HHD	5.6590e-003	2.7325e-004
tblVehicleEF	HHD	0.69	0.31
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	4.9400e-004	1.9833e-003
tblVehicleEF	HHD	0.10	7.2068e-007
tblVehicleEF	HHD	0.04	7.3522e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.1350e-006
tblVehicleEF	HHD	1.2200e-004	8.4416e-004
tblVehicleEF	HHD	5.6590e-003	2.7325e-004
tblVehicleEF	HHD	0.80	0.55
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.27	1.8466e-007
tblVehicleEF	HHD	4.9400e-004	1.9833e-003
tblVehicleEF	HHD	0.11	7.8905e-007
tblVehicleEF	HHD	0.64	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.09	1.3397e-007
tblVehicleEF	HHD	2.00	4.26
tblVehicleEF	HHD	1.17	0.92
tblVehicleEF	HHD	3.33	9.2065e-003
tblVehicleEF	HHD	5,051.17	838.43
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	4.42
tblVehicleEF	HHD	4.34	3.19
tblVehicleEF	HHD	19.57	1.96
tblVehicleEF	HHD	0.02	6.2403e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	5.9661e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.8800e-004	1.0030e-003
tblVehicleEF	HHD	5.7950e-003	2.8683e-004
tblVehicleEF	HHD	0.65	0.33
tblVehicleEF	HHD	1.3300e-004	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	4.8300e-004	1.9894e-003
tblVehicleEF	HHD	0.10	6.9405e-007
tblVehicleEF	HHD	0.05	7.3568e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.1279e-006
tblVehicleEF	HHD	1.8800e-004	1.0030e-003
tblVehicleEF	HHD	5.7950e-003	2.8683e-004
tblVehicleEF	HHD	0.76	0.57
tblVehicleEF	HHD	1.3300e-004	0.00
tblVehicleEF	HHD	0.27	1.7783e-007
tblVehicleEF	HHD	4.8300e-004	1.9894e-003
tblVehicleEF	HHD	0.11	7.5990e-007
tblVehicleEF	HHD	0.73	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.10	1.4078e-007
tblVehicleEF	HHD	3.78	4.51
tblVehicleEF	HHD	1.16	0.92
tblVehicleEF	HHD	3.53	9.7467e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4,382.68	837.27
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	21.89	4.64
tblVehicleEF	HHD	4.51	3.31
tblVehicleEF	HHD	19.58	1.96
tblVehicleEF	HHD	0.02	7.5190e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	7.1895e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.2200e-004	8.2832e-004
tblVehicleEF	HHD	6.2650e-003	2.7114e-004
tblVehicleEF	HHD	0.74	0.30
tblVehicleEF	HHD	8.8000e-005	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	5.3300e-004	2.0842e-003
tblVehicleEF	HHD	0.10	7.2685e-007
tblVehicleEF	HHD	0.04	7.3458e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.1363e-006
tblVehicleEF	HHD	1.2200e-004	8.2832e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	6.2650e-003	2.7114e-004
tblVehicleEF	HHD	0.86	0.54
tblVehicleEF	HHD	8.8000e-005	0.00
tblVehicleEF	HHD	0.27	1.8624e-007
tblVehicleEF	HHD	5.3300e-004	2.0842e-003
tblVehicleEF	HHD	0.11	7.9581e-007
tblVehicleEF	LDA	6.5530e-003	3.3222e-003
tblVehicleEF	LDA	7.1270e-003	0.08
tblVehicleEF	LDA	0.76	0.91
tblVehicleEF	LDA	1.42	3.47
tblVehicleEF	LDA	296.37	285.20
tblVehicleEF	LDA	61.25	71.70
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003
tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.23

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	2.9700e-003	2.8192e-003
tblVehicleEF	LDA	6.3700e-004	7.0884e-004
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.40
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	6.9520e-003	3.4288e-003
tblVehicleEF	LDA	6.3260e-003	0.07
tblVehicleEF	LDA	0.83	1.05
tblVehicleEF	LDA	1.21	2.99
tblVehicleEF	LDA	310.18	297.19
tblVehicleEF	LDA	61.25	70.81
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.26
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003
tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.07	0.36
tblVehicleEF	LDA	0.12	0.10

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.33
tblVehicleEF	LDA	3.1090e-003	2.9378e-003
tblVehicleEF	LDA	6.3300e-004	6.9999e-004
tblVehicleEF	LDA	0.07	0.36
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.03	0.36
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.37
tblVehicleEF	LDA	6.4200e-003	3.2932e-003
tblVehicleEF	LDA	7.2950e-003	0.08
tblVehicleEF	LDA	0.73	0.85
tblVehicleEF	LDA	1.46	3.58
tblVehicleEF	LDA	291.32	280.77
tblVehicleEF	LDA	61.25	71.90
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.13	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.23
tblVehicleEF	LDA	0.10	0.38
tblVehicleEF	LDA	2.9190e-003	2.7754e-003
tblVehicleEF	LDA	6.3800e-004	7.1077e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.13	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.41
tblVehicleEF	LDA	0.05	0.23
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDT1	0.02	9.9930e-003
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	2.02	2.08
tblVehicleEF	LDT1	3.43	6.58
tblVehicleEF	LDT1	360.63	351.28
tblVehicleEF	LDT1	73.09	92.87
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.20	0.47
tblVehicleEF	LDT1	0.04	9.9194e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.15	0.75
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.59
tblVehicleEF	LDT1	0.24	0.69
tblVehicleEF	LDT1	3.6330e-003	3.4728e-003
tblVehicleEF	LDT1	7.9100e-004	9.1812e-004
tblVehicleEF	LDT1	0.15	0.75
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.07	0.76
tblVehicleEF	LDT1	0.19	0.59
tblVehicleEF	LDT1	0.26	0.76
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	2.18	2.39
tblVehicleEF	LDT1	2.91	5.62
tblVehicleEF	LDT1	376.30	364.77
tblVehicleEF	LDT1	73.09	91.11
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.44
tblVehicleEF	LDT1	0.04	9.9194e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003
tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.23	0.86
tblVehicleEF	LDT1	0.32	0.22
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.60
tblVehicleEF	LDT1	0.21	0.62
tblVehicleEF	LDT1	3.7920e-003	3.6061e-003
tblVehicleEF	LDT1	7.8200e-004	9.0069e-004
tblVehicleEF	LDT1	0.23	0.86
tblVehicleEF	LDT1	0.32	0.22
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.07	0.68
tblVehicleEF	LDT1	0.18	0.60
tblVehicleEF	LDT1	0.23	0.68
tblVehicleEF	LDT1	0.02	9.9087e-003
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	1.96	1.96
tblVehicleEF	LDT1	3.54	6.79
tblVehicleEF	LDT1	354.88	346.31
tblVehicleEF	LDT1	73.09	93.26

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.20	0.48
tblVehicleEF	LDT1	0.04	9.9194e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003
tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.15	0.74
tblVehicleEF	LDT1	0.35	0.21
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.61
tblVehicleEF	LDT1	0.25	0.71
tblVehicleEF	LDT1	3.5750e-003	3.4236e-003
tblVehicleEF	LDT1	7.9300e-004	9.2195e-004
tblVehicleEF	LDT1	0.15	0.74
tblVehicleEF	LDT1	0.35	0.21
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.07	0.77
tblVehicleEF	LDT1	0.23	0.61
tblVehicleEF	LDT1	0.27	0.77
tblVehicleEF	LDT2	8.6320e-003	4.1039e-003
tblVehicleEF	LDT2	8.2970e-003	0.09
tblVehicleEF	LDT2	0.97	1.10

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	1.67	4.15
tblVehicleEF	LDT2	408.00	373.75
tblVehicleEF	LDT2	83.22	94.33
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.05	0.31
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	0.11	0.45
tblVehicleEF	LDT2	4.0880e-003	3.6944e-003
tblVehicleEF	LDT2	8.6100e-004	9.3254e-004
tblVehicleEF	LDT2	0.05	0.31
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.50
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	0.12	0.50

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	9.1430e-003	4.2346e-003
tblVehicleEF	LDT2	7.3790e-003	0.09
tblVehicleEF	LDT2	1.07	1.27
tblVehicleEF	LDT2	1.43	3.56
tblVehicleEF	LDT2	426.32	386.67
tblVehicleEF	LDT2	83.22	93.26
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.13	0.39
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.08	0.35
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.22
tblVehicleEF	LDT2	0.10	0.41
tblVehicleEF	LDT2	4.2730e-003	3.8221e-003
tblVehicleEF	LDT2	8.5600e-004	9.2192e-004
tblVehicleEF	LDT2	0.08	0.35
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.07	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.03	0.45
tblVehicleEF	LDT2	0.06	0.22
tblVehicleEF	LDT2	0.11	0.45
tblVehicleEF	LDT2	8.4620e-003	4.0683e-003
tblVehicleEF	LDT2	8.4930e-003	0.10
tblVehicleEF	LDT2	0.94	1.04
tblVehicleEF	LDT2	1.73	4.27
tblVehicleEF	LDT2	401.27	368.99
tblVehicleEF	LDT2	83.22	94.56
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.15	0.42
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.05	0.30
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	0.11	0.46
tblVehicleEF	LDT2	4.0210e-003	3.6473e-003
tblVehicleEF	LDT2	8.6200e-004	9.3487e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.05	0.30
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.51
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	0.13	0.51
tblVehicleEF	LHD1	6.3570e-003	6.1885e-003
tblVehicleEF	LHD1	0.02	6.1715e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.87
tblVehicleEF	LHD1	3.29	2.14
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.67
tblVehicleEF	LHD1	35.85	19.14
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.79
tblVehicleEF	LHD1	1.13	0.50
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	3.4680e-003	0.13
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	0.32	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1270e-003	6.0115e-003
tblVehicleEF	LHD1	4.2000e-004	1.8922e-004
tblVehicleEF	LHD1	3.4680e-003	0.13
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.0560e-003	0.00
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	0.35	0.15
tblVehicleEF	LHD1	6.3570e-003	6.2067e-003
tblVehicleEF	LHD1	0.02	6.2724e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	3.14	2.05
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.69
tblVehicleEF	LHD1	35.85	18.99

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.74
tblVehicleEF	LHD1	1.08	0.48
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003
tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	5.2080e-003	0.15
tblVehicleEF	LHD1	0.12	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.18
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1280e-003	6.0118e-003
tblVehicleEF	LHD1	4.1700e-004	1.8772e-004
tblVehicleEF	LHD1	5.2080e-003	0.15
tblVehicleEF	LHD1	0.12	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.9180e-003	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.10	0.13
tblVehicleEF	LHD1	0.32	0.18
tblVehicleEF	LHD1	0.34	0.14
tblVehicleEF	LHD1	6.3570e-003	6.1849e-003
tblVehicleEF	LHD1	0.02	6.1451e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	3.32	2.15
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.66
tblVehicleEF	LHD1	35.85	19.16
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.78
tblVehicleEF	LHD1	1.14	0.51
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003
tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	3.6860e-003	0.13
tblVehicleEF	LHD1	0.13	0.04

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.32	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1270e-003	6.0115e-003
tblVehicleEF	LHD1	4.2100e-004	1.8946e-004
tblVehicleEF	LHD1	3.6860e-003	0.13
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.0330e-003	0.00
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.36	0.15
tblVehicleEF	LHD2	4.6500e-003	4.6310e-003
tblVehicleEF	LHD2	5.8620e-003	4.7981e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.45	0.54
tblVehicleEF	LHD2	1.67	1.55
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.76
tblVehicleEF	LHD2	30.01	13.77
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	0.97
tblVehicleEF	LHD2	0.66	0.36

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	1.4140e-003	0.09
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.15	0.09
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1920e-003	6.4878e-003
tblVehicleEF	LHD2	3.3100e-004	1.3611e-004
tblVehicleEF	LHD2	1.4140e-003	0.09
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.17	0.10

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	4.6500e-003	4.6446e-003
tblVehicleEF	LHD2	5.9540e-003	4.8409e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.46	0.54
tblVehicleEF	LHD2	1.60	1.49
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.77
tblVehicleEF	LHD2	30.01	13.66
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	0.92
tblVehicleEF	LHD2	0.63	0.35
tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	2.1090e-003	0.10
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	0.00
tblVehicleEF	LHD2	0.05	0.07

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.09
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1920e-003	6.4879e-003
tblVehicleEF	LHD2	3.3000e-004	1.3503e-004
tblVehicleEF	LHD2	2.1090e-003	0.10
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.16	0.10
tblVehicleEF	LHD2	4.6500e-003	4.6283e-003
tblVehicleEF	LHD2	5.8380e-003	4.7872e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.45	0.54
tblVehicleEF	LHD2	1.68	1.56
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.76
tblVehicleEF	LHD2	30.01	13.79
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	0.96
tblVehicleEF	LHD2	0.67	0.37
tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	1.4720e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.16	0.10
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1910e-003	6.4878e-003
tblVehicleEF	LHD2	3.3100e-004	1.3628e-004
tblVehicleEF	LHD2	1.4720e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.17	0.10
tblVehicleEF	MCY	0.53	0.19
tblVehicleEF	MCY	0.15	0.19
tblVehicleEF	MCY	19.48	14.48

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	9.63	7.65
tblVehicleEF	MCY	187.52	192.21
tblVehicleEF	MCY	45.30	51.72
tblVehicleEF	MCY	1.13	0.62
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.07	2.15
tblVehicleEF	MCY	0.66	3.62
tblVehicleEF	MCY	0.66	0.00
tblVehicleEF	MCY	2.62	1.29
tblVehicleEF	MCY	0.63	3.64
tblVehicleEF	MCY	2.08	1.41
tblVehicleEF	MCY	2.2730e-003	1.9002e-003
tblVehicleEF	MCY	6.7100e-004	5.1128e-004
tblVehicleEF	MCY	1.07	2.15
tblVehicleEF	MCY	0.66	3.62
tblVehicleEF	MCY	0.66	0.00
tblVehicleEF	MCY	3.25	1.53
tblVehicleEF	MCY	0.63	3.64
tblVehicleEF	MCY	2.26	1.53

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.52	0.19
tblVehicleEF	MCY	0.14	0.17
tblVehicleEF	MCY	18.74	14.17
tblVehicleEF	MCY	8.81	7.01
tblVehicleEF	MCY	187.52	191.63
tblVehicleEF	MCY	45.30	50.18
tblVehicleEF	MCY	0.99	0.54
tblVehicleEF	MCY	0.29	0.15
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.74	2.64
tblVehicleEF	MCY	0.72	3.72
tblVehicleEF	MCY	1.10	0.00
tblVehicleEF	MCY	2.56	1.26
tblVehicleEF	MCY	0.60	3.57
tblVehicleEF	MCY	1.85	1.25
tblVehicleEF	MCY	2.2590e-003	1.8945e-003
tblVehicleEF	MCY	6.5100e-004	4.9610e-004
tblVehicleEF	MCY	1.74	2.64
tblVehicleEF	MCY	0.72	3.72
tblVehicleEF	MCY	1.10	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	3.17	1.36
tblVehicleEF	MCY	0.60	3.57
tblVehicleEF	MCY	2.01	1.36
tblVehicleEF	MCY	0.53	0.19
tblVehicleEF	MCY	0.16	0.19
tblVehicleEF	MCY	19.59	14.51
tblVehicleEF	MCY	9.76	7.76
tblVehicleEF	MCY	187.52	192.28
tblVehicleEF	MCY	45.30	51.99
tblVehicleEF	MCY	1.11	0.60
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.17	2.10
tblVehicleEF	MCY	0.86	3.62
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	2.64	1.29
tblVehicleEF	MCY	0.73	3.93
tblVehicleEF	MCY	2.12	1.44
tblVehicleEF	MCY	2.2750e-003	1.9009e-003
tblVehicleEF	MCY	6.7500e-004	5.1398e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	1.17	2.10
tblVehicleEF	MCY	0.86	3.62
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	3.26	1.56
tblVehicleEF	MCY	0.73	3.93
tblVehicleEF	MCY	2.31	1.56
tblVehicleEF	MDV	0.02	6.6032e-003
tblVehicleEF	MDV	0.02	0.12
tblVehicleEF	MDV	1.77	1.46
tblVehicleEF	MDV	3.11	4.62
tblVehicleEF	MDV	543.27	454.50
tblVehicleEF	MDV	109.34	113.57
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.55
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003
tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.26

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.25	0.64
tblVehicleEF	MDV	5.4490e-003	4.4904e-003
tblVehicleEF	MDV	1.1480e-003	1.1227e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.07	0.70
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.27	0.70
tblVehicleEF	MDV	0.02	6.7728e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.90	1.67
tblVehicleEF	MDV	2.66	3.97
tblVehicleEF	MDV	567.14	467.94
tblVehicleEF	MDV	109.34	112.33
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003
tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.11	0.40
tblVehicleEF	MDV	0.17	0.11

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.22	0.57
tblVehicleEF	MDV	5.6890e-003	4.6233e-003
tblVehicleEF	MDV	1.1400e-003	1.1105e-003
tblVehicleEF	MDV	0.11	0.40
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.07	0.63
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.24	0.63
tblVehicleEF	MDV	0.02	6.5541e-003
tblVehicleEF	MDV	0.02	0.12
tblVehicleEF	MDV	1.72	1.38
tblVehicleEF	MDV	3.20	4.76
tblVehicleEF	MDV	534.52	449.54
tblVehicleEF	MDV	109.34	113.84
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.27
tblVehicleEF	MDV	0.25	0.65
tblVehicleEF	MDV	5.3610e-003	4.4414e-003
tblVehicleEF	MDV	1.1500e-003	1.1254e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.07	0.71
tblVehicleEF	MDV	0.11	0.27
tblVehicleEF	MDV	0.28	0.71
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.53	1.80
tblVehicleEF	MH	7.14	2.48
tblVehicleEF	MH	1,138.98	1,521.95
tblVehicleEF	MH	63.70	22.72
tblVehicleEF	MH	1.26	1.48
tblVehicleEF	MH	0.90	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.18	32.10
tblVehicleEF	MH	0.08	9.40
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6200e-004	2.2458e-004
tblVehicleEF	MH	1.18	32.10
tblVehicleEF	MH	0.08	9.40
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.47	0.13
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.59	1.83
tblVehicleEF	MH	6.72	2.36
tblVehicleEF	MH	1,138.98	1,522.01
tblVehicleEF	MH	63.70	22.50
tblVehicleEF	MH	1.15	1.38
tblVehicleEF	MH	0.86	0.26
tblVehicleEF	MH	0.13	0.04

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.74	36.99
tblVehicleEF	MH	0.08	9.84
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.08
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5500e-004	2.2242e-004
tblVehicleEF	MH	1.74	36.99
tblVehicleEF	MH	0.08	9.84
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.45	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.51	1.79
tblVehicleEF	MH	7.19	2.50
tblVehicleEF	MH	1,138.98	1,521.93
tblVehicleEF	MH	63.70	22.75

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	1.23	1.45
tblVehicleEF	MH	0.91	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.35	31.37
tblVehicleEF	MH	0.10	9.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.20
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6300e-004	2.2491e-004
tblVehicleEF	MH	1.35	31.37
tblVehicleEF	MH	0.10	9.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.13
tblVehicleEF	MH	0.02	0.20
tblVehicleEF	MH	0.47	0.13
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6590e-003	8.4599e-003
tblVehicleEF	MHD	0.06	0.01

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.44	0.63
tblVehicleEF	MHD	0.61	0.57
tblVehicleEF	MHD	7.49	1.63
tblVehicleEF	MHD	133.10	134.92
tblVehicleEF	MHD	1,158.03	1,234.98
tblVehicleEF	MHD	65.62	14.81
tblVehicleEF	MHD	0.81	1.04
tblVehicleEF	MHD	1.86	1.57
tblVehicleEF	MHD	9.86	0.96
tblVehicleEF	MHD	2.2420e-003	4.0972e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	2.1450e-003	3.9197e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	1.3410e-003	0.03
tblVehicleEF	MHD	0.05	8.6306e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.3700e-004	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.2830e-003	1.2624e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.4636e-004
tblVehicleEF	MHD	1.3410e-003	0.03
tblVehicleEF	MHD	0.05	8.6306e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	8.3700e-004	0.00
tblVehicleEF	MHD	0.11	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.7760e-003	8.5247e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.53
tblVehicleEF	MHD	0.62	0.58
tblVehicleEF	MHD	7.11	1.56
tblVehicleEF	MHD	140.97	136.52
tblVehicleEF	MHD	1,158.03	1,234.99
tblVehicleEF	MHD	65.62	14.67
tblVehicleEF	MHD	0.84	1.04
tblVehicleEF	MHD	1.75	1.48
tblVehicleEF	MHD	9.81	0.95
tblVehicleEF	MHD	1.8900e-003	3.4603e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	1.8090e-003	3.3104e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	2.0150e-003	0.04
tblVehicleEF	MHD	0.05	9.0475e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1980e-003	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.02	0.06
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	1.2777e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.4507e-004
tblVehicleEF	MHD	2.0150e-003	0.04
tblVehicleEF	MHD	0.05	9.0475e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.1980e-003	0.00
tblVehicleEF	MHD	0.11	0.06
tblVehicleEF	MHD	0.02	0.06
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6270e-003	8.4391e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.77
tblVehicleEF	MHD	0.61	0.57
tblVehicleEF	MHD	7.56	1.65

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	122.21	132.70
tblVehicleEF	MHD	1,158.03	1,234.98
tblVehicleEF	MHD	65.62	14.83
tblVehicleEF	MHD	0.78	1.03
tblVehicleEF	MHD	1.83	1.54
tblVehicleEF	MHD	9.87	0.96
tblVehicleEF	MHD	2.7290e-003	4.9766e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	2.6110e-003	4.7611e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	1.4110e-003	0.03
tblVehicleEF	MHD	0.06	8.5678e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.2400e-004	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	1.2412e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.4662e-004
tblVehicleEF	MHD	1.4110e-003	0.03

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.06	8.5678e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	8.2400e-004	0.00
tblVehicleEF	MHD	0.11	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.68	1.45
tblVehicleEF	OBUS	6.09	2.90
tblVehicleEF	OBUS	110.73	78.29
tblVehicleEF	OBUS	1,273.03	1,499.88
tblVehicleEF	OBUS	68.83	23.98
tblVehicleEF	OBUS	0.65	0.45
tblVehicleEF	OBUS	2.05	2.03
tblVehicleEF	OBUS	2.66	0.57
tblVehicleEF	OBUS	3.0000e-004	1.5482e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	2.8700e-004	1.4809e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	1.4950e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.8100e-004	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	OBUS	1.0690e-003	7.1547e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	2.3705e-004
tblVehicleEF	OBUS	1.4950e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	7.8100e-004	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.42	0.16
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.50
tblVehicleEF	OBUS	0.69	1.46
tblVehicleEF	OBUS	5.75	2.75
tblVehicleEF	OBUS	116.31	78.71
tblVehicleEF	OBUS	1,273.03	1,499.91
tblVehicleEF	OBUS	68.83	23.72

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.67	0.45
tblVehicleEF	OBUS	1.93	1.91
tblVehicleEF	OBUS	2.62	0.56
tblVehicleEF	OBUS	2.5300e-004	1.3103e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	2.4200e-004	1.2533e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04
tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	2.1920e-003	0.10
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.1100e-003	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.37	0.14
tblVehicleEF	OBUS	1.1220e-003	7.1944e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	2.3453e-004
tblVehicleEF	OBUS	2.1920e-003	0.10
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1100e-003	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.40	0.15
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.31	0.54
tblVehicleEF	OBUS	0.68	1.44
tblVehicleEF	OBUS	6.15	2.92
tblVehicleEF	OBUS	103.03	77.71
tblVehicleEF	OBUS	1,273.03	1,499.88
tblVehicleEF	OBUS	68.83	24.02
tblVehicleEF	OBUS	0.62	0.45
tblVehicleEF	OBUS	2.02	1.99
tblVehicleEF	OBUS	2.67	0.58
tblVehicleEF	OBUS	3.6500e-004	1.8768e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	3.4900e-004	1.7952e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04
tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	1.5550e-003	0.09
tblVehicleEF	OBUS	0.02	0.03

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.6300e-004	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.39	0.15
tblVehicleEF	OBUS	9.9500e-004	7.1000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	2.3745e-004
tblVehicleEF	OBUS	1.5550e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	7.6300e-004	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.42	0.16
tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.07	7.4793e-003
tblVehicleEF	SBUS	7.89	2.71
tblVehicleEF	SBUS	0.84	5.53
tblVehicleEF	SBUS	7.67	1.10
tblVehicleEF	SBUS	1,153.25	254.84
tblVehicleEF	SBUS	1,098.50	1,255.75
tblVehicleEF	SBUS	52.01	6.09
tblVehicleEF	SBUS	10.62	1.40
tblVehicleEF	SBUS	4.93	3.78
tblVehicleEF	SBUS	12.73	0.15

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	2.5430e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	0.01	2.4213e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	3.4480e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.96	0.28
tblVehicleEF	SBUS	1.6800e-003	0.00
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.40	0.05
tblVehicleEF	SBUS	0.01	1.4786e-003
tblVehicleEF	SBUS	0.01	7.6559e-003
tblVehicleEF	SBUS	6.5300e-004	6.0217e-005
tblVehicleEF	SBUS	3.4480e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.38	0.77
tblVehicleEF	SBUS	1.6800e-003	0.00
tblVehicleEF	SBUS	0.14	0.19
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.44	0.05

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.06	6.7218e-003
tblVehicleEF	SBUS	7.76	2.69
tblVehicleEF	SBUS	0.86	5.55
tblVehicleEF	SBUS	6.22	0.91
tblVehicleEF	SBUS	1,206.53	258.76
tblVehicleEF	SBUS	1,098.50	1,255.78
tblVehicleEF	SBUS	52.01	5.77
tblVehicleEF	SBUS	10.96	1.44
tblVehicleEF	SBUS	4.65	3.55
tblVehicleEF	SBUS	12.69	0.15
tblVehicleEF	SBUS	0.01	2.1944e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	9.8410e-003	2.0877e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	5.0870e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.95	0.28
tblVehicleEF	SBUS	2.4200e-003	0.00
tblVehicleEF	SBUS	0.12	0.13

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	1.5158e-003
tblVehicleEF	SBUS	0.01	7.6563e-003
tblVehicleEF	SBUS	6.2900e-004	5.7053e-005
tblVehicleEF	SBUS	5.0870e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.37	0.77
tblVehicleEF	SBUS	2.4200e-003	0.00
tblVehicleEF	SBUS	0.14	0.18
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.07	7.5876e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	5.52
tblVehicleEF	SBUS	7.93	1.12
tblVehicleEF	SBUS	1,079.68	249.42
tblVehicleEF	SBUS	1,098.50	1,255.74
tblVehicleEF	SBUS	52.01	6.12
tblVehicleEF	SBUS	10.15	1.35
tblVehicleEF	SBUS	4.85	3.71
tblVehicleEF	SBUS	12.73	0.15
tblVehicleEF	SBUS	0.01	3.0245e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	0.01	2.8819e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	3.6280e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.96	0.28
tblVehicleEF	SBUS	1.6230e-003	0.00
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	SBUS	0.01	1.4274e-003
tblVehicleEF	SBUS	0.01	7.6559e-003
tblVehicleEF	SBUS	6.5700e-004	6.0519e-005
tblVehicleEF	SBUS	3.6280e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.38	0.77
tblVehicleEF	SBUS	1.6230e-003	0.00
tblVehicleEF	SBUS	0.14	0.20
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.45	0.05
tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	12.36	27.51

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	8.85	1.73
tblVehicleEF	UBUS	2,008.92	2,235.48
tblVehicleEF	UBUS	88.02	13.63
tblVehicleEF	UBUS	11.49	0.70
tblVehicleEF	UBUS	15.98	0.19
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	4.1600e-003	0.05
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	2.3210e-003	0.00
tblVehicleEF	UBUS	0.96	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.01	2.0369e-003
tblVehicleEF	UBUS	1.0390e-003	1.3474e-004
tblVehicleEF	UBUS	4.1600e-003	0.05
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	2.3210e-003	0.00
tblVehicleEF	UBUS	4.03	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.08

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.04	0.02
tblVehicleEF	UBUS	12.41	27.51
tblVehicleEF	UBUS	7.66	1.57
tblVehicleEF	UBUS	2,008.92	2,235.49
tblVehicleEF	UBUS	88.02	13.35
tblVehicleEF	UBUS	10.84	0.70
tblVehicleEF	UBUS	15.93	0.18
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	5.9230e-003	0.06
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	3.1960e-003	0.00
tblVehicleEF	UBUS	0.97	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.60	0.07
tblVehicleEF	UBUS	0.01	2.0370e-003
tblVehicleEF	UBUS	1.0190e-003	1.3200e-004
tblVehicleEF	UBUS	5.9230e-003	0.06
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	3.1960e-003	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	4.04	0.06
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	12.34	27.51
tblVehicleEF	UBUS	9.07	1.76
tblVehicleEF	UBUS	2,008.92	2,235.48
tblVehicleEF	UBUS	88.02	13.67
tblVehicleEF	UBUS	11.27	0.70
tblVehicleEF	UBUS	15.99	0.19
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	4.7740e-003	0.05
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	2.4590e-003	0.00
tblVehicleEF	UBUS	0.96	0.02
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.01	2.0369e-003
tblVehicleEF	UBUS	1.0430e-003	1.3514e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	4.7740e-003	0.05
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	2.4590e-003	0.00
tblVehicleEF	UBUS	4.02	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.74	0.08
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	28.19
tblVehicleTrips	ST_TR	3.12	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	18.82
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	9.11	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	30.77
tblVehicleTrips	WD_TR	8.96	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5 204	495,975.5 204	9.5062	9.0929	498,922.8 549
Mobile	3,577.877 8	3,057.941 2	29,591.43 49	55.9922	4,746.288 7	47.8195	4,794.108 2	1,184.222 0	44.7313	1,228.9533		5,718,605. 8770	5,718,605. 8770	328.8883		5,726,828. 0854
Total	18,636.51 64	4,502.376 5	58,437.75 98	121.5314	4,746.288 7	3,801.770 6	8,548.059 3	1,184.222 0	3,798.682 4	4,982.9045	453,761.6 281	7,093,758. 1738	7,547,519. 8018	1,698.633 8	39.8910	7,601,873. 1664

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5 204	495,975.5 204	9.5062	9.0929	498,922.8 549
Mobile	3,577.877 8	3,057.941 2	29,591.43 49	55.9922	4,746.288 7	47.8195	4,794.108 2	1,184.222 0	44.7313	1,228.9533		5,718,605. 8770	5,718,605. 8770	328.8883		5,726,828. 0854
Total	18,636.51 64	4,502.376 5	58,437.75 98	121.5314	4,746.288 7	3,801.770 6	8,548.059 3	1,184.222 0	3,798.682 4	4,982.9045	453,761.6 281	7,093,758. 1738	7,547,519. 8018	1,698.633 8	39.8910	7,601,873. 1664

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	12/31/2018	5	0	
2	Architectural Coating	Architectural Coating	1/13/2019	1/11/2019	5	0	
3	Grading	Grading	4/30/2019	4/29/2019	5	0	
4	Site Preparation	Site Preparation	5/1/2019	4/30/2019	5	0	
5	Building Construction	Building Construction	9/29/2019	9/27/2019	5	0	
6	Paving	Paving	11/14/2019	11/13/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 143,574,323; Residential Outdoor: 47,858,108; Non-Residential Indoor: 45,069,300; Non-Residential Outdoor: 15,023,100; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

3.7 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3,577.8778	3,057.9412	29,591.4349	55.9922	4,746.2887	47.8195	4,794.1082	1,184.2220	44.7313	1,228.9533		5,718,605.8770	5,718,605.8770	328.8883		5,726,828.0854
Unmitigated	3,577.8778	3,057.9412	29,591.4349	55.9922	4,746.2887	47.8195	4,794.1082	1,184.2220	44.7313	1,228.9533		5,718,605.8770	5,718,605.8770	328.8883		5,726,828.0854

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	851,252.05	779,876.35	520,655.30	2,282,730,113	2,282,730,113
University/College (4yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	851,252.05	779,876.35	520,655.30	2,282,730,113	2,282,730,113

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Congregate Care (Assisted Living)	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Elementary School	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
General Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Government Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Hospital	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Hotel	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Industrial Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Mobile Home Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Place of Worship	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Regional Shopping Center	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Single Family Housing	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
University/College (4yr)	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Unrefrigerated Warehouse-No Rail	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
NaturalGas Unmitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857410	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8409.52	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144740	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57108.7	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89095.9	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93896.2	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31257.4	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42583.6	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2.50736e+006	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7770.75	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6039.71	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - NaturalGas

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857.41	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8.40952	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144.74	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57.1087	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33.558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89.0959	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157.246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179.322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93.8962	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31.2574	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42.5836	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2507.36	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7.77075	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6.03971	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261
Unmitigated	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	122.3900	46.4060	4,012.9252	0.2113		22.0600	22.0600		22.0600	22.0600		7,202.7764	7,202.7764	7.0344		7,378.6372
Total	15,013.1742	1,051.5169	28,648.7020	63.0593		3,722.5394	3,722.5394		3,722.5394	3,722.5394	453,761.6281	879,176.7764	1,332,938.4044	1,360.2393	30.7981	1,376,122.2261

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	122.3900	46.4060	4,012.9252	0.2113		22.0600	22.0600		22.0600	22.0600		7,202.7764	7,202.7764	7.0344		7,378.6372
Total	15,013.1742	1,051.5169	28,648.7020	63.0593		3,722.5394	3,722.5394		3,722.5394	3,722.5394	453,761.6281	879,176.7764	1,332,938.4044	1,360.2393	30.7981	1,376,122.2261

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

Garden Grove FGPUZA (Existing Land Uses; 2020)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,992.80	1000sqft	103.40	1,992,800.00	0
Government Office Building	1,171.00	1000sqft	227.70	1,171,000.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,055.50	1000sqft	767.40	5,055,500.00	0
Place of Worship	627.90	1000sqft	129.90	627,900.00	0
University/College (4yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	6,257.40	1000sqft	560.30	6,257,400.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	163.10	Acre	163.10	7,104,636.00	0
Hotel	1,642.00	Room	77.90	2,383,500.00	0
Apartments Mid Rise	18,964.00	Dwelling Unit	909.50	18,964,000.00	64910
Congregate Care (Assisted Living)	186.00	Dwelling Unit	13.90	186,300.00	532
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	27,665.00	Dwelling Unit	4,802.90	49,797,000.00	104289
Regional Shopping Center	9,420.00	1000sqft	738.30	9,420,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2020		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

CO2 Intensity (lb/MW hr) 531.98 **CH4 Intensity (lb/MW hr)** 0.033 **N2O Intensity (lb/MW hr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. SCE Energy Intensity values updated to reflect SCE 2020 energy mix.

Land Use - Source: EIR PD Table 3-1. SFH includes ADUs, RSC includes "Other" LU, Govt Office includes Utilities, City Park includes Cemetary, Open / Vacant / ROW space not modeled.

Construction Phase - Model run done for existing land uses in the Planning Area during existing year, 2020. No construction emissions modeled.

Vehicle Trips - Weighted average trip rates derived from a default CalEEMod for specified land uses. Average trip distance adjusted based on avg CalEEMod trip distance from default run and F&P estimates that were annualized.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on methodology provided in CalEEMod User Manual Appendix.

Energy Use - Updated based on rates contained in CalEEMod v2020.4.0 with adjustments made to reflect the existing building stock would be built to 2013 Title 24 standards (CalGreen).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	1.74	1.83
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	9.96	10.44

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	HHD	0.03	7.9670e-003
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
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tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDA	0.55	0.55
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06
tblFleetMix	LDT1	0.05	0.06

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	MHD	0.02	0.01
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
tblFleetMix	OBUS	2.4380e-003	9.6700e-004
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tblFleetMix	OBUS	2.4380e-003	9.6700e-004
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tblFleetMix	SBUS	6.7700e-004	6.8100e-004
tblFleetMix	SBUS	6.7700e-004	6.8100e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblGrading	AcresOfGrading	0.00	38,750.00
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	2,384,184.00	2,383,500.00
tblLandUse	LandUseSquareFeet	186,000.00	186,300.00
tblLandUse	LotAcreage	45.75	103.40
tblLandUse	LotAcreage	26.88	227.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	116.06	767.40
tblLandUse	LotAcreage	14.41	129.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	143.65	560.30
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	54.73	77.90
tblLandUse	LotAcreage	499.05	909.50
tblLandUse	LotAcreage	11.63	13.90
tblLandUse	LotAcreage	205.09	133.00
tblLandUse	LotAcreage	8,982.14	4,802.90
tblLandUse	LotAcreage	216.25	738.30
tblLandUse	Population	54,237.00	64,910.00
tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	79,122.00	104,289.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	531.98
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleEF	HHD	0.68	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.10	1.3947e-007

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	2.75	4.36
tblVehicleEF	HHD	1.17	0.92
tblVehicleEF	HHD	3.50	9.6599e-003
tblVehicleEF	HHD	4,770.40	837.94
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	22.90	4.52
tblVehicleEF	HHD	4.59	3.36
tblVehicleEF	HHD	19.58	1.96
tblVehicleEF	HHD	0.02	6.7774e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	6.4799e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.2200e-004	8.4416e-004
tblVehicleEF	HHD	5.6590e-003	2.7325e-004
tblVehicleEF	HHD	0.69	0.31
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	4.9400e-004	1.9833e-003
tblVehicleEF	HHD	0.10	7.2068e-007
tblVehicleEF	HHD	0.04	7.3522e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6600e-004	1.1350e-006
tblVehicleEF	HHD	1.2200e-004	8.4416e-004
tblVehicleEF	HHD	5.6590e-003	2.7325e-004
tblVehicleEF	HHD	0.80	0.55
tblVehicleEF	HHD	9.1000e-005	0.00
tblVehicleEF	HHD	0.27	1.8466e-007
tblVehicleEF	HHD	4.9400e-004	1.9833e-003
tblVehicleEF	HHD	0.11	7.8905e-007
tblVehicleEF	HHD	0.64	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.09	1.3397e-007
tblVehicleEF	HHD	2.00	4.26
tblVehicleEF	HHD	1.17	0.92
tblVehicleEF	HHD	3.33	9.2065e-003
tblVehicleEF	HHD	5,051.17	838.43
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	23.63	4.42
tblVehicleEF	HHD	4.34	3.19
tblVehicleEF	HHD	19.57	1.96
tblVehicleEF	HHD	0.02	6.2403e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	5.9661e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.8800e-004	1.0030e-003
tblVehicleEF	HHD	5.7950e-003	2.8683e-004
tblVehicleEF	HHD	0.65	0.33
tblVehicleEF	HHD	1.3300e-004	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	4.8300e-004	1.9894e-003
tblVehicleEF	HHD	0.10	6.9405e-007
tblVehicleEF	HHD	0.05	7.3568e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6300e-004	1.1279e-006
tblVehicleEF	HHD	1.8800e-004	1.0030e-003
tblVehicleEF	HHD	5.7950e-003	2.8683e-004
tblVehicleEF	HHD	0.76	0.57
tblVehicleEF	HHD	1.3300e-004	0.00
tblVehicleEF	HHD	0.27	1.7783e-007
tblVehicleEF	HHD	4.8300e-004	1.9894e-003
tblVehicleEF	HHD	0.11	7.5990e-007
tblVehicleEF	HHD	0.73	0.21
tblVehicleEF	HHD	0.09	0.14
tblVehicleEF	HHD	0.10	1.4078e-007
tblVehicleEF	HHD	3.78	4.51
tblVehicleEF	HHD	1.16	0.92
tblVehicleEF	HHD	3.53	9.7467e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4,382.68	837.27
tblVehicleEF	HHD	1,679.50	1,649.02
tblVehicleEF	HHD	10.80	0.11
tblVehicleEF	HHD	21.89	4.64
tblVehicleEF	HHD	4.51	3.31
tblVehicleEF	HHD	19.58	1.96
tblVehicleEF	HHD	0.02	7.5190e-003
tblVehicleEF	HHD	0.06	0.09
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	0.02	0.05
tblVehicleEF	HHD	1.0700e-004	4.2022e-006
tblVehicleEF	HHD	0.02	7.1895e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8340e-003	8.6924e-003
tblVehicleEF	HHD	0.02	0.04
tblVehicleEF	HHD	9.9000e-005	3.8638e-006
tblVehicleEF	HHD	1.2200e-004	8.2832e-004
tblVehicleEF	HHD	6.2650e-003	2.7114e-004
tblVehicleEF	HHD	0.74	0.30
tblVehicleEF	HHD	8.8000e-005	0.00
tblVehicleEF	HHD	0.16	0.07
tblVehicleEF	HHD	5.3300e-004	2.0842e-003
tblVehicleEF	HHD	0.10	7.2685e-007
tblVehicleEF	HHD	0.04	7.3458e-003
tblVehicleEF	HHD	0.02	0.01
tblVehicleEF	HHD	1.6700e-004	1.1363e-006
tblVehicleEF	HHD	1.2200e-004	8.2832e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	6.2650e-003	2.7114e-004
tblVehicleEF	HHD	0.86	0.54
tblVehicleEF	HHD	8.8000e-005	0.00
tblVehicleEF	HHD	0.27	1.8624e-007
tblVehicleEF	HHD	5.3300e-004	2.0842e-003
tblVehicleEF	HHD	0.11	7.9581e-007
tblVehicleEF	LDA	6.5530e-003	3.3222e-003
tblVehicleEF	LDA	7.1270e-003	0.08
tblVehicleEF	LDA	0.76	0.91
tblVehicleEF	LDA	1.42	3.47
tblVehicleEF	LDA	296.37	285.20
tblVehicleEF	LDA	61.25	71.70
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003
tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.23

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.10	0.37
tblVehicleEF	LDA	2.9700e-003	2.8192e-003
tblVehicleEF	LDA	6.3700e-004	7.0884e-004
tblVehicleEF	LDA	0.05	0.32
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.40
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDA	6.9520e-003	3.4288e-003
tblVehicleEF	LDA	6.3260e-003	0.07
tblVehicleEF	LDA	0.83	1.05
tblVehicleEF	LDA	1.21	2.99
tblVehicleEF	LDA	310.18	297.19
tblVehicleEF	LDA	61.25	70.81
tblVehicleEF	LDA	0.06	0.05
tblVehicleEF	LDA	0.08	0.26
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003
tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.07	0.36
tblVehicleEF	LDA	0.12	0.10

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.33
tblVehicleEF	LDA	3.1090e-003	2.9378e-003
tblVehicleEF	LDA	6.3300e-004	6.9999e-004
tblVehicleEF	LDA	0.07	0.36
tblVehicleEF	LDA	0.12	0.10
tblVehicleEF	LDA	0.06	0.00
tblVehicleEF	LDA	0.03	0.36
tblVehicleEF	LDA	0.04	0.23
tblVehicleEF	LDA	0.09	0.37
tblVehicleEF	LDA	6.4200e-003	3.2932e-003
tblVehicleEF	LDA	7.2950e-003	0.08
tblVehicleEF	LDA	0.73	0.85
tblVehicleEF	LDA	1.46	3.58
tblVehicleEF	LDA	291.32	280.77
tblVehicleEF	LDA	61.25	71.90
tblVehicleEF	LDA	0.06	0.06
tblVehicleEF	LDA	0.09	0.28
tblVehicleEF	LDA	0.04	8.0596e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	2.2990e-003	1.5618e-003
tblVehicleEF	LDA	2.3500e-003	2.3341e-003
tblVehicleEF	LDA	0.02	2.8209e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	2.1210e-003	1.4383e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	2.1610e-003	2.1463e-003
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.13	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.05	0.23
tblVehicleEF	LDA	0.10	0.38
tblVehicleEF	LDA	2.9190e-003	2.7754e-003
tblVehicleEF	LDA	6.3800e-004	7.1077e-004
tblVehicleEF	LDA	0.05	0.31
tblVehicleEF	LDA	0.13	0.10
tblVehicleEF	LDA	0.04	0.00
tblVehicleEF	LDA	0.02	0.41
tblVehicleEF	LDA	0.05	0.23
tblVehicleEF	LDA	0.11	0.41
tblVehicleEF	LDT1	0.02	9.9930e-003
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	2.02	2.08
tblVehicleEF	LDT1	3.43	6.58
tblVehicleEF	LDT1	360.63	351.28
tblVehicleEF	LDT1	73.09	92.87
tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.20	0.47
tblVehicleEF	LDT1	0.04	9.9194e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.15	0.75
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.19	0.59
tblVehicleEF	LDT1	0.24	0.69
tblVehicleEF	LDT1	3.6330e-003	3.4728e-003
tblVehicleEF	LDT1	7.9100e-004	9.1812e-004
tblVehicleEF	LDT1	0.15	0.75
tblVehicleEF	LDT1	0.30	0.21
tblVehicleEF	LDT1	0.12	0.00
tblVehicleEF	LDT1	0.07	0.76
tblVehicleEF	LDT1	0.19	0.59
tblVehicleEF	LDT1	0.26	0.76
tblVehicleEF	LDT1	0.02	0.01
tblVehicleEF	LDT1	0.02	0.12
tblVehicleEF	LDT1	2.18	2.39
tblVehicleEF	LDT1	2.91	5.62
tblVehicleEF	LDT1	376.30	364.77
tblVehicleEF	LDT1	73.09	91.11
tblVehicleEF	LDT1	0.17	0.16
tblVehicleEF	LDT1	0.18	0.44
tblVehicleEF	LDT1	0.04	9.9194e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003
tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.23	0.86
tblVehicleEF	LDT1	0.32	0.22
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.18	0.60
tblVehicleEF	LDT1	0.21	0.62
tblVehicleEF	LDT1	3.7920e-003	3.6061e-003
tblVehicleEF	LDT1	7.8200e-004	9.0069e-004
tblVehicleEF	LDT1	0.23	0.86
tblVehicleEF	LDT1	0.32	0.22
tblVehicleEF	LDT1	0.17	0.00
tblVehicleEF	LDT1	0.07	0.68
tblVehicleEF	LDT1	0.18	0.60
tblVehicleEF	LDT1	0.23	0.68
tblVehicleEF	LDT1	0.02	9.9087e-003
tblVehicleEF	LDT1	0.02	0.13
tblVehicleEF	LDT1	1.96	1.96
tblVehicleEF	LDT1	3.54	6.79
tblVehicleEF	LDT1	354.88	346.31
tblVehicleEF	LDT1	73.09	93.26

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.19	0.19
tblVehicleEF	LDT1	0.20	0.48
tblVehicleEF	LDT1	0.04	9.9194e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	3.9490e-003	2.6511e-003
tblVehicleEF	LDT1	3.7850e-003	3.7576e-003
tblVehicleEF	LDT1	0.02	3.4718e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	3.6370e-003	2.4399e-003
tblVehicleEF	LDT1	3.4820e-003	3.4556e-003
tblVehicleEF	LDT1	0.15	0.74
tblVehicleEF	LDT1	0.35	0.21
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.05	0.05
tblVehicleEF	LDT1	0.23	0.61
tblVehicleEF	LDT1	0.25	0.71
tblVehicleEF	LDT1	3.5750e-003	3.4236e-003
tblVehicleEF	LDT1	7.9300e-004	9.2195e-004
tblVehicleEF	LDT1	0.15	0.74
tblVehicleEF	LDT1	0.35	0.21
tblVehicleEF	LDT1	0.11	0.00
tblVehicleEF	LDT1	0.07	0.77
tblVehicleEF	LDT1	0.23	0.61
tblVehicleEF	LDT1	0.27	0.77
tblVehicleEF	LDT2	8.6320e-003	4.1039e-003
tblVehicleEF	LDT2	8.2970e-003	0.09
tblVehicleEF	LDT2	0.97	1.10

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	1.67	4.15
tblVehicleEF	LDT2	408.00	373.75
tblVehicleEF	LDT2	83.22	94.33
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.14	0.42
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.05	0.31
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	0.11	0.45
tblVehicleEF	LDT2	4.0880e-003	3.6944e-003
tblVehicleEF	LDT2	8.6100e-004	9.3254e-004
tblVehicleEF	LDT2	0.05	0.31
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.50
tblVehicleEF	LDT2	0.07	0.22
tblVehicleEF	LDT2	0.12	0.50

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	9.1430e-003	4.2346e-003
tblVehicleEF	LDT2	7.3790e-003	0.09
tblVehicleEF	LDT2	1.07	1.27
tblVehicleEF	LDT2	1.43	3.56
tblVehicleEF	LDT2	426.32	386.67
tblVehicleEF	LDT2	83.22	93.26
tblVehicleEF	LDT2	0.09	0.09
tblVehicleEF	LDT2	0.13	0.39
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.08	0.35
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.07	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.06	0.22
tblVehicleEF	LDT2	0.10	0.41
tblVehicleEF	LDT2	4.2730e-003	3.8221e-003
tblVehicleEF	LDT2	8.5600e-004	9.2192e-004
tblVehicleEF	LDT2	0.08	0.35
tblVehicleEF	LDT2	0.12	0.09
tblVehicleEF	LDT2	0.07	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.03	0.45
tblVehicleEF	LDT2	0.06	0.22
tblVehicleEF	LDT2	0.11	0.45
tblVehicleEF	LDT2	8.4620e-003	4.0683e-003
tblVehicleEF	LDT2	8.4930e-003	0.10
tblVehicleEF	LDT2	0.94	1.04
tblVehicleEF	LDT2	1.73	4.27
tblVehicleEF	LDT2	401.27	368.99
tblVehicleEF	LDT2	83.22	94.56
tblVehicleEF	LDT2	0.10	0.10
tblVehicleEF	LDT2	0.15	0.42
tblVehicleEF	LDT2	0.04	9.5396e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	2.1760e-003	1.6562e-003
tblVehicleEF	LDT2	2.3520e-003	2.3657e-003
tblVehicleEF	LDT2	0.02	3.3388e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	2.0020e-003	1.5237e-003
tblVehicleEF	LDT2	2.1630e-003	2.1752e-003
tblVehicleEF	LDT2	0.05	0.30
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	0.11	0.46
tblVehicleEF	LDT2	4.0210e-003	3.6473e-003
tblVehicleEF	LDT2	8.6200e-004	9.3487e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.05	0.30
tblVehicleEF	LDT2	0.13	0.09
tblVehicleEF	LDT2	0.05	0.00
tblVehicleEF	LDT2	0.03	0.51
tblVehicleEF	LDT2	0.08	0.23
tblVehicleEF	LDT2	0.13	0.51
tblVehicleEF	LHD1	6.3570e-003	6.1885e-003
tblVehicleEF	LHD1	0.02	6.1715e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.07	0.87
tblVehicleEF	LHD1	3.29	2.14
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.67
tblVehicleEF	LHD1	35.85	19.14
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.15	0.79
tblVehicleEF	LHD1	1.13	0.50
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	3.4680e-003	0.13
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0560e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	0.32	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1270e-003	6.0115e-003
tblVehicleEF	LHD1	4.2000e-004	1.8922e-004
tblVehicleEF	LHD1	3.4680e-003	0.13
tblVehicleEF	LHD1	0.11	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.0560e-003	0.00
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.33	0.18
tblVehicleEF	LHD1	0.35	0.15
tblVehicleEF	LHD1	6.3570e-003	6.2067e-003
tblVehicleEF	LHD1	0.02	6.2724e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.08	0.89
tblVehicleEF	LHD1	3.14	2.05
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.69
tblVehicleEF	LHD1	35.85	18.99

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.07	0.74
tblVehicleEF	LHD1	1.08	0.48
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003
tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	5.2080e-003	0.15
tblVehicleEF	LHD1	0.12	0.04
tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.9180e-003	0.00
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.32	0.18
tblVehicleEF	LHD1	0.31	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1280e-003	6.0118e-003
tblVehicleEF	LHD1	4.1700e-004	1.8772e-004
tblVehicleEF	LHD1	5.2080e-003	0.15
tblVehicleEF	LHD1	0.12	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.9180e-003	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.10	0.13
tblVehicleEF	LHD1	0.32	0.18
tblVehicleEF	LHD1	0.34	0.14
tblVehicleEF	LHD1	6.3570e-003	6.1849e-003
tblVehicleEF	LHD1	0.02	6.1451e-003
tblVehicleEF	LHD1	0.02	0.03
tblVehicleEF	LHD1	0.16	0.20
tblVehicleEF	LHD1	1.06	0.87
tblVehicleEF	LHD1	3.32	2.15
tblVehicleEF	LHD1	8.89	8.95
tblVehicleEF	LHD1	622.45	614.66
tblVehicleEF	LHD1	35.85	19.16
tblVehicleEF	LHD1	0.07	0.05
tblVehicleEF	LHD1	1.13	0.78
tblVehicleEF	LHD1	1.14	0.51
tblVehicleEF	LHD1	7.9800e-004	6.0032e-004
tblVehicleEF	LHD1	0.08	0.08
tblVehicleEF	LHD1	9.8890e-003	9.2609e-003
tblVehicleEF	LHD1	9.6360e-003	0.01
tblVehicleEF	LHD1	1.1970e-003	2.9045e-004
tblVehicleEF	LHD1	7.6300e-004	5.7435e-004
tblVehicleEF	LHD1	0.03	0.03
tblVehicleEF	LHD1	2.4720e-003	2.3152e-003
tblVehicleEF	LHD1	9.1880e-003	9.9148e-003
tblVehicleEF	LHD1	1.1020e-003	2.6732e-004
tblVehicleEF	LHD1	3.6860e-003	0.13
tblVehicleEF	LHD1	0.13	0.04

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.02	0.02
tblVehicleEF	LHD1	2.0330e-003	0.00
tblVehicleEF	LHD1	0.07	0.06
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.32	0.13
tblVehicleEF	LHD1	9.0000e-005	8.7255e-005
tblVehicleEF	LHD1	6.1270e-003	6.0115e-003
tblVehicleEF	LHD1	4.2100e-004	1.8946e-004
tblVehicleEF	LHD1	3.6860e-003	0.13
tblVehicleEF	LHD1	0.13	0.04
tblVehicleEF	LHD1	0.03	0.04
tblVehicleEF	LHD1	2.0330e-003	0.00
tblVehicleEF	LHD1	0.10	0.14
tblVehicleEF	LHD1	0.35	0.19
tblVehicleEF	LHD1	0.36	0.15
tblVehicleEF	LHD2	4.6500e-003	4.6310e-003
tblVehicleEF	LHD2	5.8620e-003	4.7981e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.45	0.54
tblVehicleEF	LHD2	1.67	1.55
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.76
tblVehicleEF	LHD2	30.01	13.77
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.88	0.97
tblVehicleEF	LHD2	0.66	0.36

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	1.4140e-003	0.09
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.8000e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.15	0.09
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1920e-003	6.4878e-003
tblVehicleEF	LHD2	3.3100e-004	1.3611e-004
tblVehicleEF	LHD2	1.4140e-003	0.09
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.8000e-004	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.11	0.12
tblVehicleEF	LHD2	0.17	0.10

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	4.6500e-003	4.6446e-003
tblVehicleEF	LHD2	5.9540e-003	4.8409e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.46	0.54
tblVehicleEF	LHD2	1.60	1.49
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.77
tblVehicleEF	LHD2	30.01	13.66
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.83	0.92
tblVehicleEF	LHD2	0.63	0.35
tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	2.1090e-003	0.10
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	1.2380e-003	0.00
tblVehicleEF	LHD2	0.05	0.07

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.15	0.09
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1920e-003	6.4879e-003
tblVehicleEF	LHD2	3.3000e-004	1.3503e-004
tblVehicleEF	LHD2	2.1090e-003	0.10
tblVehicleEF	LHD2	0.05	0.03
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	1.2380e-003	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.10	0.12
tblVehicleEF	LHD2	0.16	0.10
tblVehicleEF	LHD2	4.6500e-003	4.6283e-003
tblVehicleEF	LHD2	5.8380e-003	4.7872e-003
tblVehicleEF	LHD2	0.01	0.02
tblVehicleEF	LHD2	0.14	0.17
tblVehicleEF	LHD2	0.45	0.54
tblVehicleEF	LHD2	1.68	1.56
tblVehicleEF	LHD2	13.53	13.25
tblVehicleEF	LHD2	634.55	669.76
tblVehicleEF	LHD2	30.01	13.79
tblVehicleEF	LHD2	0.10	0.09
tblVehicleEF	LHD2	0.87	0.96
tblVehicleEF	LHD2	0.67	0.37
tblVehicleEF	LHD2	1.1790e-003	1.0489e-003
tblVehicleEF	LHD2	0.09	0.09
tblVehicleEF	LHD2	0.01	0.01

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	9.7680e-003	0.02
tblVehicleEF	LHD2	5.5800e-004	1.6254e-004
tblVehicleEF	LHD2	1.1280e-003	1.0035e-003
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.6300e-003	2.5371e-003
tblVehicleEF	LHD2	9.3300e-003	0.01
tblVehicleEF	LHD2	5.1400e-004	1.4945e-004
tblVehicleEF	LHD2	1.4720e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.02
tblVehicleEF	LHD2	8.5900e-004	0.00
tblVehicleEF	LHD2	0.05	0.07
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.16	0.10
tblVehicleEF	LHD2	1.3300e-004	1.2762e-004
tblVehicleEF	LHD2	6.1910e-003	6.4878e-003
tblVehicleEF	LHD2	3.3100e-004	1.3628e-004
tblVehicleEF	LHD2	1.4720e-003	0.09
tblVehicleEF	LHD2	0.05	0.02
tblVehicleEF	LHD2	0.02	0.03
tblVehicleEF	LHD2	8.5900e-004	0.00
tblVehicleEF	LHD2	0.06	0.09
tblVehicleEF	LHD2	0.12	0.13
tblVehicleEF	LHD2	0.17	0.10
tblVehicleEF	MCY	0.53	0.19
tblVehicleEF	MCY	0.15	0.19
tblVehicleEF	MCY	19.48	14.48

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	9.63	7.65
tblVehicleEF	MCY	187.52	192.21
tblVehicleEF	MCY	45.30	51.72
tblVehicleEF	MCY	1.13	0.62
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.07	2.15
tblVehicleEF	MCY	0.66	3.62
tblVehicleEF	MCY	0.66	0.00
tblVehicleEF	MCY	2.62	1.29
tblVehicleEF	MCY	0.63	3.64
tblVehicleEF	MCY	2.08	1.41
tblVehicleEF	MCY	2.2730e-003	1.9002e-003
tblVehicleEF	MCY	6.7100e-004	5.1128e-004
tblVehicleEF	MCY	1.07	2.15
tblVehicleEF	MCY	0.66	3.62
tblVehicleEF	MCY	0.66	0.00
tblVehicleEF	MCY	3.25	1.53
tblVehicleEF	MCY	0.63	3.64
tblVehicleEF	MCY	2.26	1.53

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.52	0.19
tblVehicleEF	MCY	0.14	0.17
tblVehicleEF	MCY	18.74	14.17
tblVehicleEF	MCY	8.81	7.01
tblVehicleEF	MCY	187.52	191.63
tblVehicleEF	MCY	45.30	50.18
tblVehicleEF	MCY	0.99	0.54
tblVehicleEF	MCY	0.29	0.15
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.74	2.64
tblVehicleEF	MCY	0.72	3.72
tblVehicleEF	MCY	1.10	0.00
tblVehicleEF	MCY	2.56	1.26
tblVehicleEF	MCY	0.60	3.57
tblVehicleEF	MCY	1.85	1.25
tblVehicleEF	MCY	2.2590e-003	1.8945e-003
tblVehicleEF	MCY	6.5100e-004	4.9610e-004
tblVehicleEF	MCY	1.74	2.64
tblVehicleEF	MCY	0.72	3.72
tblVehicleEF	MCY	1.10	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	3.17	1.36
tblVehicleEF	MCY	0.60	3.57
tblVehicleEF	MCY	2.01	1.36
tblVehicleEF	MCY	0.53	0.19
tblVehicleEF	MCY	0.16	0.19
tblVehicleEF	MCY	19.59	14.51
tblVehicleEF	MCY	9.76	7.76
tblVehicleEF	MCY	187.52	192.28
tblVehicleEF	MCY	45.30	51.99
tblVehicleEF	MCY	1.11	0.60
tblVehicleEF	MCY	0.31	0.16
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.3100e-003	1.9878e-003
tblVehicleEF	MCY	4.0640e-003	3.9716e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.1620e-003	1.8650e-003
tblVehicleEF	MCY	3.8350e-003	3.7507e-003
tblVehicleEF	MCY	1.17	2.10
tblVehicleEF	MCY	0.86	3.62
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	2.64	1.29
tblVehicleEF	MCY	0.73	3.93
tblVehicleEF	MCY	2.12	1.44
tblVehicleEF	MCY	2.2750e-003	1.9009e-003
tblVehicleEF	MCY	6.7500e-004	5.1398e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	1.17	2.10
tblVehicleEF	MCY	0.86	3.62
tblVehicleEF	MCY	0.63	0.00
tblVehicleEF	MCY	3.26	1.56
tblVehicleEF	MCY	0.73	3.93
tblVehicleEF	MCY	2.31	1.56
tblVehicleEF	MDV	0.02	6.6032e-003
tblVehicleEF	MDV	0.02	0.12
tblVehicleEF	MDV	1.77	1.46
tblVehicleEF	MDV	3.11	4.62
tblVehicleEF	MDV	543.27	454.50
tblVehicleEF	MDV	109.34	113.57
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.55
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003
tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.26

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.25	0.64
tblVehicleEF	MDV	5.4490e-003	4.4904e-003
tblVehicleEF	MDV	1.1480e-003	1.1227e-003
tblVehicleEF	MDV	0.07	0.36
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.07	0.70
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.27	0.70
tblVehicleEF	MDV	0.02	6.7728e-003
tblVehicleEF	MDV	0.02	0.11
tblVehicleEF	MDV	1.90	1.67
tblVehicleEF	MDV	2.66	3.97
tblVehicleEF	MDV	567.14	467.94
tblVehicleEF	MDV	109.34	112.33
tblVehicleEF	MDV	0.17	0.14
tblVehicleEF	MDV	0.26	0.51
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003
tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.11	0.40
tblVehicleEF	MDV	0.17	0.11

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.22	0.57
tblVehicleEF	MDV	5.6890e-003	4.6233e-003
tblVehicleEF	MDV	1.1400e-003	1.1105e-003
tblVehicleEF	MDV	0.11	0.40
tblVehicleEF	MDV	0.17	0.11
tblVehicleEF	MDV	0.10	0.00
tblVehicleEF	MDV	0.07	0.63
tblVehicleEF	MDV	0.09	0.26
tblVehicleEF	MDV	0.24	0.63
tblVehicleEF	MDV	0.02	6.5541e-003
tblVehicleEF	MDV	0.02	0.12
tblVehicleEF	MDV	1.72	1.38
tblVehicleEF	MDV	3.20	4.76
tblVehicleEF	MDV	534.52	449.54
tblVehicleEF	MDV	109.34	113.84
tblVehicleEF	MDV	0.19	0.16
tblVehicleEF	MDV	0.29	0.56
tblVehicleEF	MDV	0.04	9.8067e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	2.4830e-003	1.8467e-003
tblVehicleEF	MDV	2.6470e-003	2.6020e-003
tblVehicleEF	MDV	0.02	3.4324e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	2.2920e-003	1.7042e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	2.4370e-003	2.3942e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.05	0.03
tblVehicleEF	MDV	0.11	0.27
tblVehicleEF	MDV	0.25	0.65
tblVehicleEF	MDV	5.3610e-003	4.4414e-003
tblVehicleEF	MDV	1.1500e-003	1.1254e-003
tblVehicleEF	MDV	0.07	0.35
tblVehicleEF	MDV	0.18	0.11
tblVehicleEF	MDV	0.07	0.00
tblVehicleEF	MDV	0.07	0.71
tblVehicleEF	MDV	0.11	0.27
tblVehicleEF	MDV	0.28	0.71
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.53	1.80
tblVehicleEF	MH	7.14	2.48
tblVehicleEF	MH	1,138.98	1,521.95
tblVehicleEF	MH	63.70	22.72
tblVehicleEF	MH	1.26	1.48
tblVehicleEF	MH	0.90	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.18	32.10
tblVehicleEF	MH	0.08	9.40
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6200e-004	2.2458e-004
tblVehicleEF	MH	1.18	32.10
tblVehicleEF	MH	0.08	9.40
tblVehicleEF	MH	0.49	0.00
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.47	0.13
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.59	1.83
tblVehicleEF	MH	6.72	2.36
tblVehicleEF	MH	1,138.98	1,522.01
tblVehicleEF	MH	63.70	22.50
tblVehicleEF	MH	1.15	1.38
tblVehicleEF	MH	0.86	0.26
tblVehicleEF	MH	0.13	0.04

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.74	36.99
tblVehicleEF	MH	0.08	9.84
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.13	0.08
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.41	0.11
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.5500e-004	2.2242e-004
tblVehicleEF	MH	1.74	36.99
tblVehicleEF	MH	0.08	9.84
tblVehicleEF	MH	0.71	0.00
tblVehicleEF	MH	0.18	0.12
tblVehicleEF	MH	0.02	0.19
tblVehicleEF	MH	0.45	0.12
tblVehicleEF	MH	0.04	0.01
tblVehicleEF	MH	0.03	0.03
tblVehicleEF	MH	3.51	1.79
tblVehicleEF	MH	7.19	2.50
tblVehicleEF	MH	1,138.98	1,521.93
tblVehicleEF	MH	63.70	22.75

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	1.23	1.45
tblVehicleEF	MH	0.91	0.28
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.5790e-003	3.5624e-004
tblVehicleEF	MH	0.06	0.02
tblVehicleEF	MH	3.1950e-003	3.3120e-003
tblVehicleEF	MH	0.02	0.03
tblVehicleEF	MH	1.4630e-003	3.2866e-004
tblVehicleEF	MH	1.35	31.37
tblVehicleEF	MH	0.10	9.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.13	0.07
tblVehicleEF	MH	0.02	0.20
tblVehicleEF	MH	0.43	0.12
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	7.6300e-004	2.2491e-004
tblVehicleEF	MH	1.35	31.37
tblVehicleEF	MH	0.10	9.33
tblVehicleEF	MH	0.51	0.00
tblVehicleEF	MH	0.18	0.13
tblVehicleEF	MH	0.02	0.20
tblVehicleEF	MH	0.47	0.13
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6590e-003	8.4599e-003
tblVehicleEF	MHD	0.06	0.01

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.44	0.63
tblVehicleEF	MHD	0.61	0.57
tblVehicleEF	MHD	7.49	1.63
tblVehicleEF	MHD	133.10	134.92
tblVehicleEF	MHD	1,158.03	1,234.98
tblVehicleEF	MHD	65.62	14.81
tblVehicleEF	MHD	0.81	1.04
tblVehicleEF	MHD	1.86	1.57
tblVehicleEF	MHD	9.86	0.96
tblVehicleEF	MHD	2.2420e-003	4.0972e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	2.1450e-003	3.9197e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	1.3410e-003	0.03
tblVehicleEF	MHD	0.05	8.6306e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	8.3700e-004	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.2830e-003	1.2624e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8800e-004	1.4636e-004
tblVehicleEF	MHD	1.3410e-003	0.03
tblVehicleEF	MHD	0.05	8.6306e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	8.3700e-004	0.00
tblVehicleEF	MHD	0.11	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.50	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.7760e-003	8.5247e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.32	0.53
tblVehicleEF	MHD	0.62	0.58
tblVehicleEF	MHD	7.11	1.56
tblVehicleEF	MHD	140.97	136.52
tblVehicleEF	MHD	1,158.03	1,234.99
tblVehicleEF	MHD	65.62	14.67
tblVehicleEF	MHD	0.84	1.04
tblVehicleEF	MHD	1.75	1.48
tblVehicleEF	MHD	9.81	0.95
tblVehicleEF	MHD	1.8900e-003	3.4603e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	1.8090e-003	3.3104e-003

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	2.0150e-003	0.04
tblVehicleEF	MHD	0.05	9.0475e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	1.1980e-003	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.02	0.06
tblVehicleEF	MHD	0.44	0.07
tblVehicleEF	MHD	1.3570e-003	1.2777e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8100e-004	1.4507e-004
tblVehicleEF	MHD	2.0150e-003	0.04
tblVehicleEF	MHD	0.05	9.0475e-003
tblVehicleEF	MHD	0.04	0.05
tblVehicleEF	MHD	1.1980e-003	0.00
tblVehicleEF	MHD	0.11	0.06
tblVehicleEF	MHD	0.02	0.06
tblVehicleEF	MHD	0.48	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	8.6270e-003	8.4391e-003
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	0.61	0.77
tblVehicleEF	MHD	0.61	0.57
tblVehicleEF	MHD	7.56	1.65

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	122.21	132.70
tblVehicleEF	MHD	1,158.03	1,234.98
tblVehicleEF	MHD	65.62	14.83
tblVehicleEF	MHD	0.78	1.03
tblVehicleEF	MHD	1.83	1.54
tblVehicleEF	MHD	9.87	0.96
tblVehicleEF	MHD	2.7290e-003	4.9766e-003
tblVehicleEF	MHD	0.13	0.04
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	9.3600e-004	1.5870e-004
tblVehicleEF	MHD	2.6110e-003	4.7611e-003
tblVehicleEF	MHD	0.06	0.02
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.6100e-004	1.4592e-004
tblVehicleEF	MHD	1.4110e-003	0.03
tblVehicleEF	MHD	0.06	8.5678e-003
tblVehicleEF	MHD	0.04	0.04
tblVehicleEF	MHD	8.2400e-004	0.00
tblVehicleEF	MHD	0.09	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.46	0.08
tblVehicleEF	MHD	1.1810e-003	1.2412e-003
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	7.8900e-004	1.4662e-004
tblVehicleEF	MHD	1.4110e-003	0.03

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.06	8.5678e-003
tblVehicleEF	MHD	0.05	0.05
tblVehicleEF	MHD	8.2400e-004	0.00
tblVehicleEF	MHD	0.11	0.07
tblVehicleEF	MHD	0.03	0.06
tblVehicleEF	MHD	0.51	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.29	0.52
tblVehicleEF	OBUS	0.68	1.45
tblVehicleEF	OBUS	6.09	2.90
tblVehicleEF	OBUS	110.73	78.29
tblVehicleEF	OBUS	1,273.03	1,499.88
tblVehicleEF	OBUS	68.83	23.98
tblVehicleEF	OBUS	0.65	0.45
tblVehicleEF	OBUS	2.05	2.03
tblVehicleEF	OBUS	2.66	0.57
tblVehicleEF	OBUS	3.0000e-004	1.5482e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	2.8700e-004	1.4809e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	1.4950e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.8100e-004	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.38	0.15
tblVehicleEF	OBUS	1.0690e-003	7.1547e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9500e-004	2.3705e-004
tblVehicleEF	OBUS	1.4950e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	7.8100e-004	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.42	0.16
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.27	0.50
tblVehicleEF	OBUS	0.69	1.46
tblVehicleEF	OBUS	5.75	2.75
tblVehicleEF	OBUS	116.31	78.71
tblVehicleEF	OBUS	1,273.03	1,499.91
tblVehicleEF	OBUS	68.83	23.72

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.67	0.45
tblVehicleEF	OBUS	1.93	1.91
tblVehicleEF	OBUS	2.62	0.56
tblVehicleEF	OBUS	2.5300e-004	1.3103e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	2.4200e-004	1.2533e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04
tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	2.1920e-003	0.10
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	1.1100e-003	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.37	0.14
tblVehicleEF	OBUS	1.1220e-003	7.1944e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9000e-004	2.3453e-004
tblVehicleEF	OBUS	2.1920e-003	0.10
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	1.1100e-003	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.40	0.15
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	0.01	0.04
tblVehicleEF	OBUS	0.03	0.03
tblVehicleEF	OBUS	0.31	0.54
tblVehicleEF	OBUS	0.68	1.44
tblVehicleEF	OBUS	6.15	2.92
tblVehicleEF	OBUS	103.03	77.71
tblVehicleEF	OBUS	1,273.03	1,499.88
tblVehicleEF	OBUS	68.83	24.02
tblVehicleEF	OBUS	0.62	0.45
tblVehicleEF	OBUS	2.02	1.99
tblVehicleEF	OBUS	2.67	0.58
tblVehicleEF	OBUS	3.6500e-004	1.8768e-003
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	0.01	0.05
tblVehicleEF	OBUS	7.8200e-004	2.6263e-004
tblVehicleEF	OBUS	3.4900e-004	1.7952e-003
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	9.9080e-003	0.04
tblVehicleEF	OBUS	7.2000e-004	2.4274e-004
tblVehicleEF	OBUS	1.5550e-003	0.09
tblVehicleEF	OBUS	0.02	0.03

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.04	0.05
tblVehicleEF	OBUS	7.6300e-004	0.00
tblVehicleEF	OBUS	0.07	0.13
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.39	0.15
tblVehicleEF	OBUS	9.9500e-004	7.1000e-004
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	7.9600e-004	2.3745e-004
tblVehicleEF	OBUS	1.5550e-003	0.09
tblVehicleEF	OBUS	0.02	0.03
tblVehicleEF	OBUS	0.06	0.08
tblVehicleEF	OBUS	7.6300e-004	0.00
tblVehicleEF	OBUS	0.09	0.10
tblVehicleEF	OBUS	0.04	0.10
tblVehicleEF	OBUS	0.42	0.16
tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.07	7.4793e-003
tblVehicleEF	SBUS	7.89	2.71
tblVehicleEF	SBUS	0.84	5.53
tblVehicleEF	SBUS	7.67	1.10
tblVehicleEF	SBUS	1,153.25	254.84
tblVehicleEF	SBUS	1,098.50	1,255.75
tblVehicleEF	SBUS	52.01	6.09
tblVehicleEF	SBUS	10.62	1.40
tblVehicleEF	SBUS	4.93	3.78
tblVehicleEF	SBUS	12.73	0.15

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	2.5430e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	0.01	2.4213e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	3.4480e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.96	0.28
tblVehicleEF	SBUS	1.6800e-003	0.00
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.40	0.05
tblVehicleEF	SBUS	0.01	1.4786e-003
tblVehicleEF	SBUS	0.01	7.6559e-003
tblVehicleEF	SBUS	6.5300e-004	6.0217e-005
tblVehicleEF	SBUS	3.4480e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.38	0.77
tblVehicleEF	SBUS	1.6800e-003	0.00
tblVehicleEF	SBUS	0.14	0.19
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.44	0.05

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.06	6.7218e-003
tblVehicleEF	SBUS	7.76	2.69
tblVehicleEF	SBUS	0.86	5.55
tblVehicleEF	SBUS	6.22	0.91
tblVehicleEF	SBUS	1,206.53	258.76
tblVehicleEF	SBUS	1,098.50	1,255.78
tblVehicleEF	SBUS	52.01	5.77
tblVehicleEF	SBUS	10.96	1.44
tblVehicleEF	SBUS	4.65	3.55
tblVehicleEF	SBUS	12.69	0.15
tblVehicleEF	SBUS	0.01	2.1944e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	9.8410e-003	2.0877e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	5.0870e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.95	0.28
tblVehicleEF	SBUS	2.4200e-003	0.00
tblVehicleEF	SBUS	0.12	0.13

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.36	0.04
tblVehicleEF	SBUS	0.01	1.5158e-003
tblVehicleEF	SBUS	0.01	7.6563e-003
tblVehicleEF	SBUS	6.2900e-004	5.7053e-005
tblVehicleEF	SBUS	5.0870e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.37	0.77
tblVehicleEF	SBUS	2.4200e-003	0.00
tblVehicleEF	SBUS	0.14	0.18
tblVehicleEF	SBUS	0.01	0.03
tblVehicleEF	SBUS	0.39	0.04
tblVehicleEF	SBUS	0.88	0.43
tblVehicleEF	SBUS	0.01	1.27
tblVehicleEF	SBUS	0.07	7.5876e-003
tblVehicleEF	SBUS	8.07	2.73
tblVehicleEF	SBUS	0.84	5.52
tblVehicleEF	SBUS	7.93	1.12
tblVehicleEF	SBUS	1,079.68	249.42
tblVehicleEF	SBUS	1,098.50	1,255.74
tblVehicleEF	SBUS	52.01	6.12
tblVehicleEF	SBUS	10.15	1.35
tblVehicleEF	SBUS	4.85	3.71
tblVehicleEF	SBUS	12.73	0.15
tblVehicleEF	SBUS	0.01	3.0245e-003
tblVehicleEF	SBUS	0.74	0.05
tblVehicleEF	SBUS	0.01	0.01

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	7.4700e-004	6.9184e-005
tblVehicleEF	SBUS	0.01	2.8819e-003
tblVehicleEF	SBUS	0.32	0.02
tblVehicleEF	SBUS	2.6880e-003	2.5994e-003
tblVehicleEF	SBUS	0.03	0.02
tblVehicleEF	SBUS	6.8700e-004	6.3613e-005
tblVehicleEF	SBUS	3.6280e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	0.96	0.28
tblVehicleEF	SBUS	1.6230e-003	0.00
tblVehicleEF	SBUS	0.12	0.13
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.41	0.05
tblVehicleEF	SBUS	0.01	1.4274e-003
tblVehicleEF	SBUS	0.01	7.6559e-003
tblVehicleEF	SBUS	6.5700e-004	6.0519e-005
tblVehicleEF	SBUS	3.6280e-003	0.05
tblVehicleEF	SBUS	0.03	0.01
tblVehicleEF	SBUS	1.38	0.77
tblVehicleEF	SBUS	1.6230e-003	0.00
tblVehicleEF	SBUS	0.14	0.20
tblVehicleEF	SBUS	0.02	0.03
tblVehicleEF	SBUS	0.45	0.05
tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	12.36	27.51

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	8.85	1.73
tblVehicleEF	UBUS	2,008.92	2,235.48
tblVehicleEF	UBUS	88.02	13.63
tblVehicleEF	UBUS	11.49	0.70
tblVehicleEF	UBUS	15.98	0.19
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	4.1600e-003	0.05
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	2.3210e-003	0.00
tblVehicleEF	UBUS	0.96	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	0.01	2.0369e-003
tblVehicleEF	UBUS	1.0390e-003	1.3474e-004
tblVehicleEF	UBUS	4.1600e-003	0.05
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	2.3210e-003	0.00
tblVehicleEF	UBUS	4.03	0.07
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.08

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.04	0.02
tblVehicleEF	UBUS	12.41	27.51
tblVehicleEF	UBUS	7.66	1.57
tblVehicleEF	UBUS	2,008.92	2,235.49
tblVehicleEF	UBUS	88.02	13.35
tblVehicleEF	UBUS	10.84	0.70
tblVehicleEF	UBUS	15.93	0.18
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	5.9230e-003	0.06
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	3.1960e-003	0.00
tblVehicleEF	UBUS	0.97	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.60	0.07
tblVehicleEF	UBUS	0.01	2.0370e-003
tblVehicleEF	UBUS	1.0190e-003	1.3200e-004
tblVehicleEF	UBUS	5.9230e-003	0.06
tblVehicleEF	UBUS	0.07	0.02
tblVehicleEF	UBUS	3.1960e-003	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	4.04	0.06
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.07
tblVehicleEF	UBUS	2.95	1.58
tblVehicleEF	UBUS	0.05	0.02
tblVehicleEF	UBUS	12.34	27.51
tblVehicleEF	UBUS	9.07	1.76
tblVehicleEF	UBUS	2,008.92	2,235.48
tblVehicleEF	UBUS	88.02	13.67
tblVehicleEF	UBUS	11.27	0.70
tblVehicleEF	UBUS	15.99	0.19
tblVehicleEF	UBUS	0.64	0.11
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	0.15	4.1455e-004
tblVehicleEF	UBUS	9.7400e-004	3.9763e-005
tblVehicleEF	UBUS	0.27	0.04
tblVehicleEF	UBUS	3.0000e-003	6.9442e-003
tblVehicleEF	UBUS	0.14	3.8899e-004
tblVehicleEF	UBUS	8.9600e-004	3.6561e-005
tblVehicleEF	UBUS	4.7740e-003	0.05
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	2.4590e-003	0.00
tblVehicleEF	UBUS	0.96	0.02
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.67	0.07
tblVehicleEF	UBUS	0.01	2.0369e-003
tblVehicleEF	UBUS	1.0430e-003	1.3514e-004

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	4.7740e-003	0.05
tblVehicleEF	UBUS	0.09	0.02
tblVehicleEF	UBUS	2.4590e-003	0.00
tblVehicleEF	UBUS	4.02	0.07
tblVehicleEF	UBUS	0.03	0.03
tblVehicleEF	UBUS	0.74	0.08
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	28.19
tblVehicleTrips	ST_TR	3.12	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	18.82
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	9.11	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	30.77
tblVehicleTrips	WD_TR	8.96	0.00

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5 204	495,975.5 204	9.5062	9.0929	498,922.8 549
Mobile	3,533.355 4	3,325.527 0	27,734.96 50	53.7011	4,746.288 7	47.8715	4,794.160 2	1,184.222 0	44.7810	1,229.0031		5,486,841. 9143	5,486,841. 9143	345.7185		5,495,484. 8759
Total	18,591.99 40	4,769.962 3	56,581.28 99	119.2402	4,746.288 7	3,801.822 6	8,548.111 3	1,184.222 0	3,798.732 2	4,982.9542	453,761.6 281	6,861,994. 2110	7,315,755. 8391	1,715.463 9	39.8910	7,370,529. 9569

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5 204	495,975.5 204	9.5062	9.0929	498,922.8 549
Mobile	3,533.355 4	3,325.527 0	27,734.96 50	53.7011	4,746.288 7	47.8715	4,794.160 2	1,184.222 0	44.7810	1,229.0031		5,486,841. 9143	5,486,841. 9143	345.7185		5,495,484. 8759
Total	18,591.99 40	4,769.962 3	56,581.28 99	119.2402	4,746.288 7	3,801.822 6	8,548.111 3	1,184.222 0	3,798.732 2	4,982.9542	453,761.6 281	6,861,994. 2110	7,315,755. 8391	1,715.463 9	39.8910	7,370,529. 9569

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2019	12/31/2018	5	0	
2	Architectural Coating	Architectural Coating	1/13/2019	1/11/2019	5	0	
3	Grading	Grading	4/30/2019	4/29/2019	5	0	
4	Site Preparation	Site Preparation	5/1/2019	4/30/2019	5	0	
5	Building Construction	Building Construction	9/29/2019	9/27/2019	5	0	
6	Paving	Paving	11/14/2019	11/13/2019	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 143,574,323; Residential Outdoor: 47,858,108; Non-Residential Indoor: 45,069,300; Non-Residential Outdoor: 15,023,100; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

3.7 Paving - 2019

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3,533.355 4	3,325.527 0	27,734.96 50	53.7011	4,746.288 7	47.8715	4,794.160 2	1,184.222 0	44.7810	1,229.0031		5,486,841. 9143	5,486,841. 9143	345.7185		5,495,484. 8759
Unmitigated	3,533.355 4	3,325.527 0	27,734.96 50	53.7011	4,746.288 7	47.8715	4,794.160 2	1,184.222 0	44.7810	1,229.0031		5,486,841. 9143	5,486,841. 9143	345.7185		5,495,484. 8759

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	851,252.05	779,876.35	520,655.30	2,282,730,113	2,282,730,113
University/College (4yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	851,252.05	779,876.35	520,655.30	2,282,730,113	2,282,730,113

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
City Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Congregate Care (Assisted Living)	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Elementary School	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
General Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Government Office Building	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Hospital	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Hotel	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Industrial Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Mobile Home Park	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Place of Worship	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Regional Shopping Center	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Single Family Housing	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
University/College (4yr)	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455
Unrefrigerated Warehouse-No Rail	0.551001	0.059862	0.185577	0.128146	0.022541	0.005543	0.010825	0.007967	0.000967	0.000632	0.022803	0.000681	0.003455

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
NaturalGas Unmitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857410	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8409.52	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144740	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57108.7	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89095.9	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93896.2	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31257.4	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42583.6	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2.50736e+006	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7770.75	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6039.71	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - Natural Gas

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857.41	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8.40952	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144.74	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57.1087	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33.558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89.0959	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157.246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179.322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93.8962	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31.2574	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42.5836	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2507.36	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7.77075	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6.03971	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261
Unmitigated	15,013.17 42	1,051.516 9	28,648.70 20	63.0593		3,722.539 4	3,722.539 4		3,722.539 4	3,722.5394	453,761.6 281	879,176.7 764	1,332,938. 4044	1,360.239 3	30.7981	1,376,122. 2261

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	122.3900	46.4060	4,012.9252	0.2113		22.0600	22.0600		22.0600	22.0600		7,202.7764	7,202.7764	7.0344		7,378.6372
Total	15,013.1742	1,051.5169	28,648.7020	63.0593		3,722.5394	3,722.5394		3,722.5394	3,722.5394	453,761.6281	879,176.7764	1,332,938.4044	1,360.2393	30.7981	1,376,122.2261

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	122.3900	46.4060	4,012.9252	0.2113		22.0600	22.0600		22.0600	22.0600		7,202.7764	7,202.7764	7.0344		7,378.6372
Total	15,013.1742	1,051.5169	28,648.7020	63.0593		3,722.5394	3,722.5394		3,722.5394	3,722.5394	453,761.6281	879,176.7764	1,332,938.4044	1,360.2393	30.7981	1,376,122.2261

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Garden Grove FGPUZA (Existing Land Uses; 2020) - Los Angeles-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

Garden Grove FGPUZA (Existing Land Uses; 2040)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,992.80	1000sqft	103.40	1,992,800.00	0
Government Office Building	1,171.00	1000sqft	227.70	1,171,000.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,055.50	1000sqft	767.40	5,055,500.00	0
Place of Worship	627.90	1000sqft	129.90	627,900.00	0
University/College (4yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	6,257.40	1000sqft	560.30	6,257,400.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	163.10	Acre	163.10	7,104,636.00	0
Hotel	1,642.00	Room	77.90	2,383,500.00	0
Apartments Mid Rise	18,964.00	Dwelling Unit	909.50	18,964,000.00	64910
Congregate Care (Assisted Living)	186.00	Dwelling Unit	13.90	186,300.00	532
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	27,665.00	Dwelling Unit	4,802.90	49,797,000.00	104289
Regional Shopping Center	9,420.00	1000sqft	738.30	9,420,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2040		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

CO2 Intensity (lb/MW hr) 150.55 **CH4 Intensity (lb/MW hr)** 0.033 **N2O Intensity (lb/MW hr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors adjusted to reflect SCE 2040 energy mix.

Land Use - Source: EIR PD; Table 3-1. SFH includes ADUs, RSC includes "Other" LU, Govt Office includes Utilities, City Park includes Cemetary, Open / Vacant / ROW space not modeled.

Construction Phase - Future model run for current land uses - no construction emissions modeled.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No const emissions

Off-road Equipment - No const emissions.

Off-road Equipment - No const emissions.

Off-road Equipment - No const emissions.

Trips and VMT -

Vehicle Trips - Weighted average trip rates derived from a default CalEEMod run for specified land uses. Average trip distance adjusted based on avg CalEEMod trip distance from default run and F&P estimates for that were annualized.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Area Coating -

Energy Use - Updated based on rates contained in CalEEMod v2020.4.0 with adjustments made to reflect the existing building stock would be built to the 2013 Title 24 standards (CalGreen).

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	1.74	1.83
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	9.96	10.44
tblEnergyUse	T24E	2.55	2.68
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	221.74	251.15
tblEnergyUse	T24E	2.25	2.36
tblEnergyUse	T24E	4.01	4.20
tblEnergyUse	T24E	443.48	502.24
tblEnergyUse	T24E	3.04	3.18
tblEnergyUse	T24E	0.65	0.68
tblEnergyUse	T24NG	7,012.17	10,118.56
tblEnergyUse	T24NG	7,012.17	10,118.56
tblEnergyUse	T24NG	9.32	9.37
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	54.94	55.22
tblEnergyUse	T24NG	19.92	20.02
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	11,587.45	14,667.66
tblEnergyUse	T24NG	13.65	13.72

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD2	6.4600e-003	7.8420e-003
tblFleetMix	LHD2	6.4600e-003	7.8420e-003
tblFleetMix	LHD2	6.4600e-003	7.8420e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	2,384,184.00	2,383,500.00
tblLandUse	LandUseSquareFeet	186,000.00	186,300.00
tblLandUse	LotAcreage	45.75	103.40
tblLandUse	LotAcreage	26.88	227.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	116.06	767.40
tblLandUse	LotAcreage	14.41	129.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	143.65	560.30
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	54.73	77.90
tblLandUse	LotAcreage	499.05	909.50
tblLandUse	LotAcreage	11.63	13.90
tblLandUse	LotAcreage	205.09	133.00
tblLandUse	LotAcreage	8,982.14	4,802.90
tblLandUse	LotAcreage	216.25	738.30
tblLandUse	Population	54,237.00	64,910.00

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tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	79,122.00	104,289.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	150.55
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	18.00	13.00
tblTripsAndVMT	WorkerTripNumber	20.00	23.00
tblTripsAndVMT	WorkerTripNumber	15.00	23.00
tblVehicleEF	HHD	0.34	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0190e-008
tblVehicleEF	HHD	1.44	4.34
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.84	1.3322e-003
tblVehicleEF	HHD	4,208.88	568.97
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.06	3.22
tblVehicleEF	HHD	1.74	0.96
tblVehicleEF	HHD	19.25	2.09
tblVehicleEF	HHD	1.8470e-003	1.3544e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.7670e-003	1.2895e-003

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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.37	0.27
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.09	8.8519e-003
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.0405e-007
tblVehicleEF	HHD	0.04	4.9062e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2514e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.19	1.4958e-007
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.2341e-007
tblVehicleEF	HHD	0.32	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	3.8603e-008
tblVehicleEF	HHD	1.05	4.29
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.64	1.2696e-003

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tblVehicleEF	HHD	4,458.94	562.36
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.45	3.07
tblVehicleEF	HHD	1.65	0.91
tblVehicleEF	HHD	19.24	2.09
tblVehicleEF	HHD	1.5570e-003	1.2197e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.4900e-003	1.1606e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.35	0.28
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.09	8.8531e-003
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.06	1.9651e-007
tblVehicleEF	HHD	0.04	4.8436e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7500e-004	1.2416e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005

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tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.41	0.44
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.19	1.4405e-007
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.07	2.1515e-007
tblVehicleEF	HHD	0.37	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0566e-008
tblVehicleEF	HHD	1.99	4.41
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.87	1.3441e-003
tblVehicleEF	HHD	3,863.57	578.10
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	11.52	3.44
tblVehicleEF	HHD	1.71	0.95
tblVehicleEF	HHD	19.26	2.09
tblVehicleEF	HHD	2.2480e-003	1.5404e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	2.1500e-003	1.4675e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02

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tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.40	0.25
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.09	8.8515e-003
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.0579e-007
tblVehicleEF	HHD	0.04	4.9926e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2532e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.47	0.39
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.19	1.5086e-007
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.2532e-007
tblVehicleEF	LDA	1.6050e-003	9.0428e-004
tblVehicleEF	LDA	6.9200e-004	0.03
tblVehicleEF	LDA	0.28	0.41
tblVehicleEF	LDA	0.33	1.41
tblVehicleEF	LDA	180.22	204.84
tblVehicleEF	LDA	35.70	50.22
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003

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tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	4.0400e-003	2.6786e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.3260e-003	0.12
tblVehicleEF	LDA	1.8030e-003	2.0250e-003
tblVehicleEF	LDA	3.6200e-004	4.9644e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.8710e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	1.7110e-003	9.3417e-004
tblVehicleEF	LDA	6.1700e-004	0.03
tblVehicleEF	LDA	0.31	0.48
tblVehicleEF	LDA	0.29	1.22
tblVehicleEF	LDA	188.67	213.45
tblVehicleEF	LDA	35.70	49.88

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tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.3030e-003	2.7396e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	8.3160e-003	0.10
tblVehicleEF	LDA	1.8870e-003	2.1101e-003
tblVehicleEF	LDA	3.6100e-004	4.9310e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.2530e-003	0.11
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.1050e-003	0.11
tblVehicleEF	LDA	1.5710e-003	8.9629e-004
tblVehicleEF	LDA	7.0700e-004	0.03
tblVehicleEF	LDA	0.27	0.39

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tblVehicleEF	LDA	0.34	1.45
tblVehicleEF	LDA	177.14	201.67
tblVehicleEF	LDA	35.70	50.29
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	3.9560e-003	2.6603e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.5390e-003	0.12
tblVehicleEF	LDA	1.7720e-003	1.9936e-003
tblVehicleEF	LDA	3.6200e-004	4.9717e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.7470e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13

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tblVehicleEF	LDT1	2.5660e-003	1.4253e-003
tblVehicleEF	LDT1	1.3400e-003	0.04
tblVehicleEF	LDT1	0.41	0.56
tblVehicleEF	LDT1	0.50	1.83
tblVehicleEF	LDT1	233.64	268.68
tblVehicleEF	LDT1	46.68	65.96
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.3640e-003	4.7648e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.3390e-003	2.6562e-003
tblVehicleEF	LDT1	4.7400e-004	6.5213e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00

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tblVehicleEF	LDT1	9.2810e-003	0.18
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT1	2.7280e-003	1.4718e-003
tblVehicleEF	LDT1	1.1960e-003	0.04
tblVehicleEF	LDT1	0.45	0.65
tblVehicleEF	LDT1	0.43	1.58
tblVehicleEF	LDT1	244.10	278.52
tblVehicleEF	LDT1	46.68	65.52
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.7650e-003	4.8734e-003
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.15
tblVehicleEF	LDT1	2.4440e-003	2.7534e-003
tblVehicleEF	LDT1	4.7300e-004	6.4771e-004

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tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.8660e-003	0.16
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.5140e-003	1.4128e-003
tblVehicleEF	LDT1	1.3710e-003	0.04
tblVehicleEF	LDT1	0.39	0.52
tblVehicleEF	LDT1	0.52	1.88
tblVehicleEF	LDT1	229.79	265.05
tblVehicleEF	LDT1	46.68	66.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.2330e-003	4.7322e-003
tblVehicleEF	LDT1	0.06	0.26

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tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	2.3000e-003	2.6203e-003
tblVehicleEF	LDT1	4.7500e-004	6.5309e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.0910e-003	0.18
tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT2	2.4720e-003	1.4008e-003
tblVehicleEF	LDT2	1.1960e-003	0.04
tblVehicleEF	LDT2	0.44	0.55
tblVehicleEF	LDT2	0.50	1.94
tblVehicleEF	LDT2	263.09	281.67
tblVehicleEF	LDT2	52.31	68.54
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.19
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04

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tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.1610e-003	4.4385e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.6330e-003	2.7842e-003
tblVehicleEF	LDT2	5.3100e-004	6.7756e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.9750e-003	0.18
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	2.6290e-003	1.4468e-003
tblVehicleEF	LDT2	1.1030e-003	0.04
tblVehicleEF	LDT2	0.48	0.64
tblVehicleEF	LDT2	0.45	1.68
tblVehicleEF	LDT2	274.92	291.08
tblVehicleEF	LDT2	52.31	68.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004

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tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	6.5480e-003	4.5386e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.01	0.15
tblVehicleEF	LDT2	2.7520e-003	2.8772e-003
tblVehicleEF	LDT2	5.3000e-004	6.7287e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.5400e-003	0.16
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.4210e-003	1.3885e-003
tblVehicleEF	LDT2	1.2160e-003	0.04
tblVehicleEF	LDT2	0.42	0.52
tblVehicleEF	LDT2	0.51	2.00
tblVehicleEF	LDT2	258.75	278.20
tblVehicleEF	LDT2	52.31	68.64
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.20
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004

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tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.0350e-003	4.4085e-003
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.17
tblVehicleEF	LDT2	2.5890e-003	2.7499e-003
tblVehicleEF	LDT2	5.3100e-004	6.7859e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.7900e-003	0.18
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LHD1	2.6220e-003	2.6823e-003
tblVehicleEF	LHD1	1.9460e-003	7.4228e-004
tblVehicleEF	LHD1	3.8680e-003	9.0978e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.91	1.36
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.36

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tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.30	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0244e-004
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.7700e-004	0.00

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tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6907e-003
tblVehicleEF	LHD1	1.9570e-003	1.1829e-003
tblVehicleEF	LHD1	3.7260e-003	8.8242e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.88	1.31
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.37
tblVehicleEF	LHD1	20.48	10.27
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.29	0.17
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01

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tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2000e-004	1.0157e-004
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6806e-003
tblVehicleEF	LHD1	1.9430e-003	1.1751e-003
tblVehicleEF	LHD1	3.8970e-003	9.1541e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.92	1.37
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.38
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.31	0.18

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tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0258e-004
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.06	0.04

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tblVehicleEF	LHD2	2.1650e-003	1.5352e-003
tblVehicleEF	LHD2	1.7850e-003	1.2176e-003
tblVehicleEF	LHD2	2.0410e-003	4.7343e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.80	0.76
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.67
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.16
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.03	0.02

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tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6041e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5396e-003
tblVehicleEF	LHD2	1.7940e-003	1.2196e-003
tblVehicleEF	LHD2	2.0290e-003	4.5923e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.77	0.73
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.20
tblVehicleEF	LHD2	21.11	5.62
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003

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tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.5558e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5343e-003
tblVehicleEF	LHD2	1.7830e-003	1.2172e-003
tblVehicleEF	LHD2	2.0440e-003	4.7635e-003

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tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.81	0.77
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.68
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005

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tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6117e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.14	0.13
tblVehicleEF	MCY	17.71	10.13
tblVehicleEF	MCY	9.88	7.18
tblVehicleEF	MCY	192.99	185.97
tblVehicleEF	MCY	41.24	37.25
tblVehicleEF	MCY	1.13	0.46
tblVehicleEF	MCY	0.31	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61

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tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	2.56	0.82
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	1.95	0.91
tblVehicleEF	MCY	2.2990e-003	1.8385e-003
tblVehicleEF	MCY	6.3100e-004	3.6823e-004
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	3.22	1.00
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	2.13	1.00
tblVehicleEF	MCY	0.55	0.14
tblVehicleEF	MCY	0.13	0.12
tblVehicleEF	MCY	17.14	10.26
tblVehicleEF	MCY	8.95	6.46
tblVehicleEF	MCY	192.99	186.21
tblVehicleEF	MCY	41.24	35.84
tblVehicleEF	MCY	0.99	0.41
tblVehicleEF	MCY	0.29	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003

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tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	2.52	0.83
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.76	0.84
tblVehicleEF	MCY	2.2880e-003	1.8409e-003
tblVehicleEF	MCY	6.1000e-004	3.5432e-004
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	3.16	0.91
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.91	0.91
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.15	0.13
tblVehicleEF	MCY	17.80	10.09
tblVehicleEF	MCY	10.05	7.32
tblVehicleEF	MCY	192.99	185.90
tblVehicleEF	MCY	41.24	37.51
tblVehicleEF	MCY	1.10	0.45
tblVehicleEF	MCY	0.31	0.08
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003

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tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	2.57	0.82
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	1.99	0.93
tblVehicleEF	MCY	2.3000e-003	1.8378e-003
tblVehicleEF	MCY	6.3500e-004	3.7086e-004
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	3.23	1.01
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	2.17	1.01
tblVehicleEF	MDV	3.5320e-003	1.5030e-003
tblVehicleEF	MDV	2.3900e-003	0.04
tblVehicleEF	MDV	0.54	0.57
tblVehicleEF	MDV	0.70	1.96
tblVehicleEF	MDV	349.46	336.58
tblVehicleEF	MDV	68.08	81.59
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.20
tblVehicleEF	MDV	0.04	9.3249e-003

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tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	8.9320e-003	4.9205e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4930e-003	3.3259e-003
tblVehicleEF	MDV	6.9200e-004	8.0655e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	3.7530e-003	1.5524e-003
tblVehicleEF	MDV	2.1640e-003	0.04
tblVehicleEF	MDV	0.59	0.66
tblVehicleEF	MDV	0.63	1.69
tblVehicleEF	MDV	364.71	345.83
tblVehicleEF	MDV	68.08	81.10

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tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.4810e-003	5.0313e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.6460e-003	3.4174e-003
tblVehicleEF	MDV	6.9000e-004	8.0179e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.18
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.17
tblVehicleEF	MDV	3.4590e-003	1.4898e-003
tblVehicleEF	MDV	2.4380e-003	0.04
tblVehicleEF	MDV	0.52	0.54

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tblVehicleEF	MDV	0.72	2.02
tblVehicleEF	MDV	343.85	333.17
tblVehicleEF	MDV	68.08	81.69
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.21
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.7540e-003	4.8872e-003
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4370e-003	3.2922e-003
tblVehicleEF	MDV	6.9200e-004	8.0759e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.04	0.20

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tblVehicleEF	MH	3.6700e-003	2.6055e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.01	1.48
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.81
tblVehicleEF	MH	0.55	0.84
tblVehicleEF	MH	0.51	0.26
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1100e-004	1.7602e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00

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tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MH	3.7410e-003	2.6411e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.18	0.15
tblVehicleEF	MH	2.85	1.40
tblVehicleEF	MH	1,092.30	1,472.26
tblVehicleEF	MH	55.88	17.68
tblVehicleEF	MH	0.52	0.79
tblVehicleEF	MH	0.49	0.25
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.17	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.0800e-004	1.7475e-004

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tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.19	0.07
tblVehicleEF	MH	3.6500e-003	2.5951e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.05	1.49
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.83
tblVehicleEF	MH	0.54	0.82
tblVehicleEF	MH	0.52	0.27
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	3.0220e-003	0.07

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tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1200e-004	1.7623e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9120e-003	4.4890e-003
tblVehicleEF	MHD	0.03	4.5326e-003
tblVehicleEF	MHD	0.34	0.42
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.75	0.42
tblVehicleEF	MHD	136.15	87.05
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.80
tblVehicleEF	MHD	0.34	0.43
tblVehicleEF	MHD	0.63	0.15
tblVehicleEF	MHD	10.41	0.71
tblVehicleEF	MHD	2.9000e-005	1.3504e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.8000e-005	1.2869e-004

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tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.03	3.6345e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.3100e-003	7.9613e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0700e-004	4.7466e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9230e-003	4.4938e-003
tblVehicleEF	MHD	0.03	4.3879e-003
tblVehicleEF	MHD	0.25	0.39
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.61	0.40

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tblVehicleEF	MHD	144.21	86.00
tblVehicleEF	MHD	1,112.76	638.82
tblVehicleEF	MHD	55.89	4.77
tblVehicleEF	MHD	0.35	0.41
tblVehicleEF	MHD	0.59	0.14
tblVehicleEF	MHD	10.40	0.71
tblVehicleEF	MHD	2.5000e-005	1.2078e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.4000e-005	1.1505e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.03	3.6499e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3860e-003	7.8620e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0500e-004	4.7131e-005
tblVehicleEF	MHD	9.7900e-004	0.02

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tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9090e-003	4.4873e-003
tblVehicleEF	MHD	0.03	4.5560e-003
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.77	0.42
tblVehicleEF	MHD	125.01	88.51
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.81
tblVehicleEF	MHD	0.33	0.46
tblVehicleEF	MHD	0.61	0.15
tblVehicleEF	MHD	10.42	0.71
tblVehicleEF	MHD	3.6000e-005	1.5473e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	3.4000e-005	1.4753e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003

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tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.03	3.6300e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.2060e-003	8.0982e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0800e-004	4.7532e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.21	0.03
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0500e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.58
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.70	1.47
tblVehicleEF	OBUS	103.85	76.48
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.14

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tblVehicleEF	OBUS	0.23	0.20
tblVehicleEF	OBUS	0.57	0.50
tblVehicleEF	OBUS	2.52	0.47
tblVehicleEF	OBUS	2.1000e-005	2.2252e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.0000e-005	2.1195e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	1.0020e-003	6.7346e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1300e-004	1.2994e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	8.2300e-004	0.00

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tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0870e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.25	0.36
tblVehicleEF	OBUS	3.50	1.40
tblVehicleEF	OBUS	109.08	75.70
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.02
tblVehicleEF	OBUS	0.24	0.19
tblVehicleEF	OBUS	0.54	0.47
tblVehicleEF	OBUS	2.50	0.46
tblVehicleEF	OBUS	1.8000e-005	1.9686e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	1.7000e-005	1.8740e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01

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tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.24	0.07
tblVehicleEF	OBUS	1.0520e-003	6.6604e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1000e-004	1.2867e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0390e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.74	1.48
tblVehicleEF	OBUS	96.64	77.56
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.17
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	2.53	0.47

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tblVehicleEF	OBUS	2.6000e-005	2.5796e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.5000e-005	2.4586e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	9.3400e-004	6.8370e-004
tblVehicleEF	OBUS	0.01	9.0558e-003
tblVehicleEF	OBUS	7.1400e-004	1.3015e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08

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tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6310e-003	1.10
tblVehicleEF	SBUS	0.05	5.1367e-003
tblVehicleEF	SBUS	9.81	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.60	0.58
tblVehicleEF	SBUS	934.27	222.10
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.05
tblVehicleEF	SBUS	1.78	0.34
tblVehicleEF	SBUS	0.82	0.30
tblVehicleEF	SBUS	9.47	0.19
tblVehicleEF	SBUS	1.3300e-004	6.3235e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.2700e-004	5.8330e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.04	0.02

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tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	9.2630e-003	7.2145e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9300e-004	4.0045e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6800e-003	1.10
tblVehicleEF	SBUS	0.04	4.6192e-003
tblVehicleEF	SBUS	9.78	2.75
tblVehicleEF	SBUS	0.27	3.49
tblVehicleEF	SBUS	5.36	0.48
tblVehicleEF	SBUS	969.91	221.89
tblVehicleEF	SBUS	978.89	880.52
tblVehicleEF	SBUS	67.79	3.88
tblVehicleEF	SBUS	1.83	0.34
tblVehicleEF	SBUS	0.78	0.28
tblVehicleEF	SBUS	9.44	0.19
tblVehicleEF	SBUS	1.1200e-004	6.2583e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01

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tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.0700e-004	5.7705e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	9.6030e-003	7.1948e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.7200e-004	3.8360e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.05	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6170e-003	1.10
tblVehicleEF	SBUS	0.05	5.2104e-003

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tblVehicleEF	SBUS	9.86	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.82	0.59
tblVehicleEF	SBUS	885.05	222.39
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.07
tblVehicleEF	SBUS	1.71	0.35
tblVehicleEF	SBUS	0.81	0.29
tblVehicleEF	SBUS	9.48	0.20
tblVehicleEF	SBUS	1.6200e-004	6.4136e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.5500e-004	5.9192e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	8.7940e-003	7.2418e-004

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tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9700e-004	4.0206e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.74	0.78
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.43	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.6366e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.41	1.63
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.69
tblVehicleEF	UBUS	1.33	8.8867e-003
tblVehicleEF	UBUS	12.15	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003

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tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	0.10	2.1176e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5370e-003	9.5806e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.79	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.1407e-003
tblVehicleEF	UBUS	4.80	1.61
tblVehicleEF	UBUS	6.50	1.48
tblVehicleEF	UBUS	1,718.89	207.23
tblVehicleEF	UBUS	139.96	9.45
tblVehicleEF	UBUS	1.24	8.3293e-003
tblVehicleEF	UBUS	12.09	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004

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tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	0.10	2.1235e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.02
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5210e-003	9.3382e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	1.25	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.7267e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.58	1.65
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.72
tblVehicleEF	UBUS	1.30	8.7664e-003
tblVehicleEF	UBUS	12.16	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005

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tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	0.10	2.1162e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5400e-003	9.6140e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.80	0.03
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00

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tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	30.83
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	20.58
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00

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tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	9.11	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	33.64
tblVehicleTrips	WD_TR	8.96	0.00
tblVehicleTrips	WD_TR	1.68	0.00

2.0 Emissions Summary

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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	574.5309	18.3083	805.7028	0.8120		49.0277	49.0277		49.0277	49.0277	5,145.5703	10,704.7997	15,850.3701	16.1237	0.3492	16,357.5379
Energy	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	126,337.6136	126,337.6136	11.2674	2.6804	127,418.0615
Mobile	370.9503	204.2657	2,658.5359	7.2753	860.2531	2.9044	863.1576	214.5358	2.7111	217.2468	0.0000	672,300.1196	672,300.1196	27.5769	0.0000	672,989.5409
Waste						0.0000	0.0000		0.0000	0.0000	18,664.2720	0.0000	18,664.2720	1,103.0269	0.0000	46,239.9440
Water						0.0000	0.0000		0.0000	0.0000	2,140.0551	8,575.6260	10,715.6811	221.6839	5.4179	17,872.3139
Total	953.7784	294.2816	3,500.3049	8.5399	860.2531	57.6648	917.9179	214.5358	57.4714	272.0072	25,949.8975	817,918.1590	843,868.0564	1,379.6788	8.4476	880,877.3981

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	574.5309	18.3083	805.7028	0.8120		49.0277	49.0277		49.0277	49.0277	5,145.5703	10,704.7997	15,850.3701	16.1237	0.3492	16,357.5379
Energy	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	126,337.6136	126,337.6136	11.2674	2.6804	127,418.0615
Mobile	370.9503	204.2657	2,658.5359	7.2753	860.2531	2.9044	863.1576	214.5358	2.7111	217.2468	0.0000	672,300.1196	672,300.1196	27.5769	0.0000	672,989.5409
Waste						0.0000	0.0000		0.0000	0.0000	18,664.2720	0.0000	18,664.2720	1,103.0269	0.0000	46,239.9440
Water						0.0000	0.0000		0.0000	0.0000	2,140.0551	8,575.6260	10,715.6811	221.6839	5.4179	17,872.3139
Total	953.7784	294.2816	3,500.3049	8.5399	860.2531	57.6648	917.9179	214.5358	57.4714	272.0072	25,949.8975	817,918.1590	843,868.0564	1,379.6788	8.4476	880,877.3981

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

3.0 Construction Detail

Construction Phase

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2039	12/31/2038	5	0	
2	Site Preparation	Site Preparation	1/1/2039	12/31/2038	5	0	
3	Grading	Grading	1/1/2039	12/31/2038	5	0	
4	Building Construction	Building Construction	1/1/2039	12/31/2038	5	0	
5	Paving	Paving	1/1/2039	12/31/2038	5	0	
6	Architectural Coating	Architectural Coating	1/1/2039	12/31/2038	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 143,574,323; Residential Outdoor: 47,858,108; Non-Residential Indoor: 45,069,300; Non-Residential Outdoor: 15,023,100; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	0		187	0.41
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Concrete/Industrial Saws	0		81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0		9	0.56
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0		97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	39,215.00	11,268.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7,843.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	370.9503	204.2657	2,658.5359	7.2753	860.2531	2.9044	863.1576	214.5358	2.7111	217.2468	0.0000	672,300.196	672,300.196	27.5769	0.0000	672,989.5409
Unmitigated	370.9503	204.2657	2,658.5359	7.2753	860.2531	2.9044	863.1576	214.5358	2.7111	217.2468	0.0000	672,300.196	672,300.196	27.5769	0.0000	672,989.5409

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	930,650.60	852,911.95	569,345.70	2,495,819,775	2,495,819,775
University/College (4yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	930,650.60	852,911.95	569,345.70	2,495,819,775	2,495,819,775

4.3 Trip Type Information

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Congregate Care (Assisted Living)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Elementary School	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Government Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hospital	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hotel	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Industrial Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Mobile Home Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Place of Worship	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Regional Shopping Center	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Single Family Housing	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
University/College (4yr)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Unrefrigerated Warehouse-No Rail	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	44,223.3038	44,223.3038	9.6936	1.1750	44,815.7874
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	44,223.3038	44,223.3038	9.6936	1.1750	44,815.7874
NaturalGas Mitigated	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741
NaturalGas Unmitigated	8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Mid Rise	3.12955e+008	1.6875	14.4205	6.1364	0.0921		1.1659	1.1659		1.1659	1.1659	0.0000	16,700.4465	16,700.4465	0.3201	0.3062	16,799.6889
City Park	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
Congregate Care (Assisted Living)	3.06948e+006	0.0166	0.1414	0.0602	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7989	163.7989	3.1400e-003	3.0000e-003	164.7723
Elementary School	5.283e+007	0.2849	2.5897	2.1754	0.0155		0.1968	0.1968		0.1968	0.1968	0.0000	2,819.2087	2,819.2087	0.0540	0.0517	2,835.9618
General Office Building	2.08447e+007	0.1124	1.0218	0.8583	6.1300e-003		0.0777	0.0777		0.0777	0.0777	0.0000	1,112.3519	1,112.3519	0.0213	0.0204	1,118.9621
Government Office Building	1.22487e+007	0.0661	0.6004	0.5044	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	653.6351	653.6351	0.0125	0.0120	657.5194
Hospital	3.252e+007	0.1754	1.5941	1.3391	9.5600e-003		0.1212	0.1212		0.1212	0.1212	0.0000	1,735.3910	1,735.3910	0.0333	0.0318	1,745.7036
Hotel	5.73947e+007	0.3095	2.8135	2.3633	0.0169		0.2138	0.2138		0.2138	0.2138	0.0000	3,062.7987	3,062.7987	0.0587	0.0562	3,080.9994
Industrial Park	6.54524e+007	0.3529	3.2085	2.6951	0.0193		0.2438	0.2438		0.2438	0.2438	0.0000	3,492.7895	3,492.7895	0.0670	0.0640	3,513.5454
Mobile Home Park	3.42721e+007	0.1848	1.5792	0.6720	0.0101		0.1277	0.1277		0.1277	0.1277	0.0000	1,828.8899	1,828.8899	0.0351	0.0335	1,839.7581
Place of Worship	1.14089e+007	0.0615	0.5593	0.4698	3.3600e-003		0.0425	0.0425		0.0425	0.0425	0.0000	608.8247	608.8247	0.0117	0.0112	612.4426
Regional Shopping Center	1.5543e+007	0.0838	0.7619	0.6400	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.4337	829.4337	0.0159	0.0152	834.3626
Single Family Housing	9.15185e+008	4.9348	42.1703	17.9448	0.2692		3.4095	3.4095		3.4095	3.4095	0.0000	48,837.7440	48,837.7440	0.9361	0.8954	49,127.9622
University/College (4yr)	2.83632e+006	0.0153	0.1390	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.3571	151.3571	2.9000e-003	2.7700e-003	152.2565
Unrefrigerated Warehouse-No Rail	2.20449e+006	0.0119	0.1081	0.0908	6.5000e-004		8.2100e-003	8.2100e-003		8.2100e-003	8.2100e-003	0.0000	117.6401	117.6401	2.2500e-003	2.1600e-003	118.3392
Total		8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741

5.2 Energy by Land Use - NaturalGas

Mitigated

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	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					
Apartments Mid Rise	3.12955e+008	1.6875	14.4205	6.1364	0.0921		1.1659	1.1659		1.1659	1.1659	0.0000	16,700.4465	16,700.4465	0.3201	0.3062	16,799.6889
City Park	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
Congregate Care (Assisted Living)	3.06948e+006	0.0166	0.1414	0.0602	9.0000e-004		0.0114	0.0114		0.0114	0.0114	0.0000	163.7989	163.7989	3.1400e-003	3.0000e-003	164.7723
Elementary School	5.283e+007	0.2849	2.5897	2.1754	0.0155		0.1968	0.1968		0.1968	0.1968	0.0000	2,819.2087	2,819.2087	0.0540	0.0517	2,835.9618
General Office Building	2.08447e+007	0.1124	1.0218	0.8583	6.1300e-003		0.0777	0.0777		0.0777	0.0777	0.0000	1,112.3519	1,112.3519	0.0213	0.0204	1,118.9621
Government Office Building	1.22487e+007	0.0661	0.6004	0.5044	3.6000e-003		0.0456	0.0456		0.0456	0.0456	0.0000	653.6351	653.6351	0.0125	0.0120	657.5194
Hospital	3.252e+007	0.1754	1.5941	1.3391	9.5600e-003		0.1212	0.1212		0.1212	0.1212	0.0000	1,735.3910	1,735.3910	0.0333	0.0318	1,745.7036
Hotel	5.73947e+007	0.3095	2.8135	2.3633	0.0169		0.2138	0.2138		0.2138	0.2138	0.0000	3,062.7987	3,062.7987	0.0587	0.0562	3,080.9994
Industrial Park	6.54524e+007	0.3529	3.2085	2.6951	0.0193		0.2438	0.2438		0.2438	0.2438	0.0000	3,492.7895	3,492.7895	0.0670	0.0640	3,513.5454
Mobile Home Park	3.42721e+007	0.1848	1.5792	0.6720	0.0101		0.1277	0.1277		0.1277	0.1277	0.0000	1,828.8899	1,828.8899	0.0351	0.0335	1,839.7581
Place of Worship	1.14089e+007	0.0615	0.5593	0.4698	3.3600e-003		0.0425	0.0425		0.0425	0.0425	0.0000	608.8247	608.8247	0.0117	0.0112	612.4426
Regional Shopping Center	1.5543e+007	0.0838	0.7619	0.6400	4.5700e-003		0.0579	0.0579		0.0579	0.0579	0.0000	829.4337	829.4337	0.0159	0.0152	834.3626
Single Family Housing	9.15185e+008	4.9348	42.1703	17.9448	0.2692		3.4095	3.4095		3.4095	3.4095	0.0000	48,837.7440	48,837.7440	0.9361	0.8954	49,127.9622
University/College (4yr)	2.83632e+006	0.0153	0.1390	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.3571	151.3571	2.9000e-003	2.7700e-003	152.2565
Unrefrigerated Warehouse-No Rail	2.20449e+006	0.0119	0.1081	0.0908	6.5000e-004		8.2100e-003	8.2100e-003		8.2100e-003	8.2100e-003	0.0000	117.6401	117.6401	2.2500e-003	2.1600e-003	118.3392
Total		8.2973	71.7076	36.0662	0.4526		5.7327	5.7327		5.7327	5.7327	0.0000	82,114.3098	82,114.3098	1.5739	1.5054	82,602.2741

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5.3 Energy by Land Use - Electricity

Unmitigated

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Land Use	Electricity Use kWh/yr	Total CO2 MT/yr	CH4 MT/yr	N2O MT/yr	CO2e MT/yr
Apartments Mid Rise	7.76282e+007	5,301.0993	1.1620	0.1409	5,372.1210
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	761382	51.9935	0.0114	1.3800e-003	52.6901
Elementary School	3.03836e+007	2,074.8423	0.4548	0.0551	2,102.6401
General Office Building	2.63249e+007	1,797.6827	0.3941	0.0478	1,821.7672
Government Office Building	1.54689e+007	1,056.3461	0.2316	0.0281	1,070.4985
Hospital	1.165e+007	795.5591	0.1744	0.0211	806.2176
Hotel	1.83768e+007	1,254.9200	0.2751	0.0333	1,271.7328
Industrial Park	8.26603e+007	5,644.7308	1.2373	0.1500	5,720.3563
Mobile Home Park	8.61943e+006	588.6065	0.1290	0.0156	596.4924
Place of Worship	7.03876e+006	480.6651	0.1054	0.0128	487.1048
Regional Shopping Center	1.2896e+008	8,806.4496	1.9303	0.2340	8,924.4343
Single Family Housing	2.28708e+008	15,618.0835	3.4234	0.4150	15,827.3274
University/College (4yr)	1.05867e+006	72.2949	0.0159	1.9200e-003	73.2635
Unrefrigerated Warehouse-No Rail	9.95823e+006	680.0307	0.1491	0.0181	689.1414
Total		44,223.3038	9.6936	1.1750	44,815.7874

5.3 Energy by Land Use - Electricity

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Mid Rise	7.76282e+007	5,301.0993	1.1620	0.1409	5,372.1210
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	761382	51.9935	0.0114	1.3800e-003	52.6901
Elementary School	3.03836e+007	2,074.8423	0.4548	0.0551	2,102.6401
General Office Building	2.63249e+007	1,797.6827	0.3941	0.0478	1,821.7672
Government Office Building	1.54689e+007	1,056.3461	0.2316	0.0281	1,070.4985
Hospital	1.165e+007	795.5591	0.1744	0.0211	806.2176
Hotel	1.83768e+007	1,254.9200	0.2751	0.0333	1,271.7328
Industrial Park	8.26603e+007	5,644.7308	1.2373	0.1500	5,720.3563
Mobile Home Park	8.61943e+006	588.6065	0.1290	0.0156	596.4924
Place of Worship	7.03876e+006	480.6651	0.1054	0.0128	487.1048
Regional Shopping Center	1.2896e+008	8,806.4496	1.9303	0.2340	8,924.4343
Single Family Housing	2.28708e+008	15,618.0835	3.4234	0.4150	15,827.3274
University/College (4yr)	1.05867e+006	72.2949	0.0159	1.9200e-003	73.2635
Unrefrigerated Warehouse-No Rail	9.95823e+006	680.0307	0.1491	0.0181	689.1414
Total		44,223.3038	9.6936	1.1750	44,815.7874

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	574.5309	18.3083	805.7028	0.8120		49.0277	49.0277		49.0277	49.0277	5,145.5703	10,704.7997	15,850.3701	16.1237	0.3492	16,357.5379
Unmitigated	574.5309	18.3083	805.7028	0.8120		49.0277	49.0277		49.0277	49.0277	5,145.5703	10,704.7997	15,850.3701	16.1237	0.3492	16,357.5379

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

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	36.1087					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	364.8392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	158.6726	12.5639	307.9472	0.7856		46.2560	46.2560		46.2560	46.2560	5,145.5703	9,888.0188	15,033.5891	15.3451	0.3492	15,521.2912
Landscaping	14.9105	5.7444	497.7556	0.0264		2.7717	2.7717		2.7717	2.7717	0.0000	816.7809	816.7809	0.7786	0.0000	836.2467
Total	574.5309	18.3083	805.7028	0.8120		49.0277	49.0277		49.0277	49.0277	5,145.5703	10,704.7997	15,850.3701	16.1237	0.3492	16,357.5379

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	36.1087					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	364.8392					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	158.6726	12.5639	307.9472	0.7856		46.2560	46.2560		46.2560	46.2560	5,145.5703	9,888.0188	15,033.5891	15.3451	0.3492	15,521.2912
Landscaping	14.9105	5.7444	497.7556	0.0264		2.7717	2.7717		2.7717	2.7717	0.0000	816.7809	816.7809	0.7786	0.0000	836.2467
Total	574.5309	18.3083	805.7028	0.8120		49.0277	49.0277		49.0277	49.0277	5,145.5703	10,704.7997	15,850.3701	16.1237	0.3492	16,357.5379

7.0 Water Detail

7.1 Mitigation Measures Water

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10,715.68 11	221.6839	5.4179	17,872.31 39
Unmitigated	10,715.68 11	221.6839	5.4179	17,872.31 39

7.2 Water by Land Use

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1235.58 / 778.953	2,081.6284	40.6318	0.9956	3,394.0975
City Park	0 / 194.331	147.4354	0.0323	3.9200e-003	149.4107
Congregate Care (Assisted Living)	12.1186 / 7.64002	20.4167	0.3985	9.7600e-003	33.2895
Elementary School	146.594 / 376.956	462.8463	4.8680	0.1239	621.4547
General Office Building	354.188 / 217.083	592.0022	11.6464	0.2853	968.1674
Government Office Building	232.63 / 142.58	388.8269	7.6493	0.1874	635.8922
Hospital	62.7403 / 11.9505	84.7588	2.0586	0.0500	151.1227
Hotel	41.6522 / 4.62803	53.7620	1.3661	0.0331	97.7863
Industrial Park	1447.02 / 0	1,745.7419	47.4333	1.1475	3,273.5389
Mobile Home Park	106.071 / 66.8707	178.7013	3.4881	0.0855	291.3726
Place of Worship	19.6463 / 30.7288	47.0155	0.6491	0.0162	68.0708
Regional Shopping Center	697.763 / 427.661	1,166.2663	22.9437	0.5620	1,907.3257
Single Family Housing	1802.49 / 1136.35	3,036.7144	59.2743	1.4523	4,951.3661
University/College (4yr)	1.10172 / 1.72321	2.6365	0.0364	9.1000e-004	3.8173
Unrefrigerated Warehouse-No Rail	585.964 / 0	706.9287	19.2079	0.4647	1,325.6017
Total		10,715.6811	221.6839	5.4179	17,872.3139

7.2 Water by Land Use

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Mid Rise	1235.58 / 778.953	2,081.6284	40.6318	0.9956	3,394.0975
City Park	0 / 194.331	147.4354	0.0323	3.9200e-003	149.4107
Congregate Care (Assisted Living)	12.1186 / 7.64002	20.4167	0.3985	9.7600e-003	33.2895
Elementary School	146.594 / 376.956	462.8463	4.8680	0.1239	621.4547
General Office Building	354.188 / 217.083	592.0022	11.6464	0.2853	968.1674
Government Office Building	232.63 / 142.58	388.8269	7.6493	0.1874	635.8922
Hospital	62.7403 / 11.9505	84.7588	2.0586	0.0500	151.1227
Hotel	41.6522 / 4.62803	53.7620	1.3661	0.0331	97.7863
Industrial Park	1447.02 / 0	1,745.7419	47.4333	1.1475	3,273.5389
Mobile Home Park	106.071 / 66.8707	178.7013	3.4881	0.0855	291.3726
Place of Worship	19.6463 / 30.7288	47.0155	0.6491	0.0162	68.0708
Regional Shopping Center	697.763 / 427.661	1,166.2663	22.9437	0.5620	1,907.3257
Single Family Housing	1802.49 / 1136.35	3,036.7144	59.2743	1.4523	4,951.3661
University/College (4yr)	1.10172 / 1.72321	2.6365	0.0364	9.1000e-004	3.8173
Unrefrigerated Warehouse-No Rail	585.964 / 0	706.9287	19.2079	0.4647	1,325.6017
Total		10,715.6811	221.6839	5.4179	17,872.3139

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	18,664.27 20	1,103.026 9	0.0000	46,239.94 40
Unmitigated	18,664.27 20	1,103.026 9	0.0000	46,239.94 40

8.2 Waste by Land Use

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	8723.44	1,770.7795	104.6501	0.0000	4,387.0312
City Park	14.03	2.8480	0.1683	0.0000	7.0557
Congregate Care (Assisted Living)	169.72	34.4516	2.0360	0.0000	85.3525
Elementary School	6572.15	1,334.0871	78.8423	0.0000	3,305.1442
General Office Building	1853.3	376.2032	22.2330	0.0000	932.0274
Government Office Building	1089.03	221.0633	13.0645	0.0000	547.6748
Hospital	5400	1,096.1512	64.7807	0.0000	2,715.6682
Hotel	899	182.4889	10.7848	0.0000	452.1085
Industrial Park	7759.18	1,575.0434	93.0824	0.0000	3,902.1034
Mobile Home Park	748.88	152.0159	8.9839	0.0000	376.6129
Place of Worship	3579.03	726.5108	42.9356	0.0000	1,799.8996
Regional Shopping Center	9891	2,007.7836	118.6566	0.0000	4,974.1989
Single Family Housing	42758.5	8,679.5871	512.9489	0.0000	21,503.3096
University/College (4yr)	107.2	21.7606	1.2860	0.0000	53.9110
Unrefrigerated Warehouse-No Rail	2381.87	483.4981	28.5739	0.0000	1,197.8460
Total		18,664.2720	1,103.0269	0.0000	46,239.9440

8.2 Waste by Land Use

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Mid Rise	8723.44	1,770.779 5	104.6501	0.0000	4,387.031 2
City Park	14.03	2.8480	0.1683	0.0000	7.0557
Congregate Care (Assisted Living)	169.72	34.4516	2.0360	0.0000	85.3525
Elementary School	6572.15	1,334.087 1	78.8423	0.0000	3,305.144 2
General Office Building	1853.3	376.2032	22.2330	0.0000	932.0274
Government Office Building	1089.03	221.0633	13.0645	0.0000	547.6748
Hospital	5400	1,096.151 2	64.7807	0.0000	2,715.668 2
Hotel	899	182.4889	10.7848	0.0000	452.1085
Industrial Park	7759.18	1,575.043 4	93.0824	0.0000	3,902.103 4
Mobile Home Park	748.88	152.0159	8.9839	0.0000	376.6129
Place of Worship	3579.03	726.5108	42.9356	0.0000	1,799.899 6
Regional Shopping Center	9891	2,007.783 6	118.6566	0.0000	4,974.198 9
Single Family Housing	42758.5	8,679.587 1	512.9489	0.0000	21,503.30 96
University/College (4yr)	107.2	21.7606	1.2860	0.0000	53.9110
Unrefrigerated Warehouse-No Rail	2381.87	483.4981	28.5739	0.0000	1,197.846 0
Total		18,664.27 20	1,103.026 9	0.0000	46,239.94 40

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Annual

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

Garden Grove FGPUZA (Existing Land Uses; 2040)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,992.80	1000sqft	103.40	1,992,800.00	0
Government Office Building	1,171.00	1000sqft	227.70	1,171,000.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,055.50	1000sqft	767.40	5,055,500.00	0
Place of Worship	627.90	1000sqft	129.90	627,900.00	0
University/College (4yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	6,257.40	1000sqft	560.30	6,257,400.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	163.10	Acre	163.10	7,104,636.00	0
Hotel	1,642.00	Room	77.90	2,383,500.00	0
Apartments Mid Rise	18,964.00	Dwelling Unit	909.50	18,964,000.00	64910
Congregate Care (Assisted Living)	186.00	Dwelling Unit	13.90	186,300.00	532
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	27,665.00	Dwelling Unit	4,802.90	49,797,000.00	104289
Regional Shopping Center	9,420.00	1000sqft	738.30	9,420,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2040		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

CO2 Intensity (lb/MW hr) 150.55 **CH4 Intensity (lb/MW hr)** 0.033 **N2O Intensity (lb/MW hr)** 0.004

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors adjusted to reflect SCE 2040 energy mix.

Land Use - Source: EIR PD; Table 3-1. SFH includes ADUs, RSC includes "Other" LU, Govt Office includes Utilities, City Park includes Cemetary, Open / Vacant / ROW space not modeled.

Construction Phase - Future model run for current land uses - no construction emissions modeled.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No const emissions

Off-road Equipment - No const emissions.

Off-road Equipment - No const emissions.

Off-road Equipment - No const emissions.

Trips and VMT -

Vehicle Trips - Weighted average trip rates derived from a default CalEEMod run for specified land uses. Average trip distance adjusted based on avg CalEEMod trip distance from default run and F&P estimates for that were annualized.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Area Coating -

Energy Use - Updated based on rates contained in CalEEMod v2020.4.0 with adjustments made to reflect the existing building stock would be built to the 2013 Title 24 standards (CalGreen).

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	1.74	1.83
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	9.96	10.44
tblEnergyUse	T24E	2.55	2.68
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	221.74	251.15
tblEnergyUse	T24E	2.25	2.36
tblEnergyUse	T24E	4.01	4.20
tblEnergyUse	T24E	443.48	502.24
tblEnergyUse	T24E	3.04	3.18
tblEnergyUse	T24E	0.65	0.68
tblEnergyUse	T24NG	7,012.17	10,118.56
tblEnergyUse	T24NG	7,012.17	10,118.56
tblEnergyUse	T24NG	9.32	9.37
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	54.94	55.22
tblEnergyUse	T24NG	19.92	20.02
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	11,587.45	14,667.66
tblEnergyUse	T24NG	13.65	13.72

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD2	6.4600e-003	7.8420e-003
tblFleetMix	LHD2	6.4600e-003	7.8420e-003
tblFleetMix	LHD2	6.4600e-003	7.8420e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	2,384,184.00	2,383,500.00
tblLandUse	LandUseSquareFeet	186,000.00	186,300.00
tblLandUse	LotAcreage	45.75	103.40
tblLandUse	LotAcreage	26.88	227.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	116.06	767.40
tblLandUse	LotAcreage	14.41	129.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	143.65	560.30
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	54.73	77.90
tblLandUse	LotAcreage	499.05	909.50
tblLandUse	LotAcreage	11.63	13.90
tblLandUse	LotAcreage	205.09	133.00
tblLandUse	LotAcreage	8,982.14	4,802.90
tblLandUse	LotAcreage	216.25	738.30
tblLandUse	Population	54,237.00	64,910.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	79,122.00	104,289.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	150.55
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	18.00	13.00
tblTripsAndVMT	WorkerTripNumber	20.00	23.00
tblTripsAndVMT	WorkerTripNumber	15.00	23.00
tblVehicleEF	HHD	0.34	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0190e-008
tblVehicleEF	HHD	1.44	4.34
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.84	1.3322e-003
tblVehicleEF	HHD	4,208.88	568.97
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.06	3.22
tblVehicleEF	HHD	1.74	0.96
tblVehicleEF	HHD	19.25	2.09
tblVehicleEF	HHD	1.8470e-003	1.3544e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.7670e-003	1.2895e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.37	0.27
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.09	8.8519e-003
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.0405e-007
tblVehicleEF	HHD	0.04	4.9062e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2514e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.19	1.4958e-007
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.2341e-007
tblVehicleEF	HHD	0.32	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	3.8603e-008
tblVehicleEF	HHD	1.05	4.29
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.64	1.2696e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4,458.94	562.36
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.45	3.07
tblVehicleEF	HHD	1.65	0.91
tblVehicleEF	HHD	19.24	2.09
tblVehicleEF	HHD	1.5570e-003	1.2197e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.4900e-003	1.1606e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.35	0.28
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.09	8.8531e-003
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.06	1.9651e-007
tblVehicleEF	HHD	0.04	4.8436e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7500e-004	1.2416e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.41	0.44
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.19	1.4405e-007
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.07	2.1515e-007
tblVehicleEF	HHD	0.37	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0566e-008
tblVehicleEF	HHD	1.99	4.41
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.87	1.3441e-003
tblVehicleEF	HHD	3,863.57	578.10
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	11.52	3.44
tblVehicleEF	HHD	1.71	0.95
tblVehicleEF	HHD	19.26	2.09
tblVehicleEF	HHD	2.2480e-003	1.5404e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	2.1500e-003	1.4675e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.40	0.25
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.09	8.8515e-003
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.0579e-007
tblVehicleEF	HHD	0.04	4.9926e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2532e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.47	0.39
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.19	1.5086e-007
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.2532e-007
tblVehicleEF	LDA	1.6050e-003	9.0428e-004
tblVehicleEF	LDA	6.9200e-004	0.03
tblVehicleEF	LDA	0.28	0.41
tblVehicleEF	LDA	0.33	1.41
tblVehicleEF	LDA	180.22	204.84
tblVehicleEF	LDA	35.70	50.22
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	4.0400e-003	2.6786e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.3260e-003	0.12
tblVehicleEF	LDA	1.8030e-003	2.0250e-003
tblVehicleEF	LDA	3.6200e-004	4.9644e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.8710e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	1.7110e-003	9.3417e-004
tblVehicleEF	LDA	6.1700e-004	0.03
tblVehicleEF	LDA	0.31	0.48
tblVehicleEF	LDA	0.29	1.22
tblVehicleEF	LDA	188.67	213.45
tblVehicleEF	LDA	35.70	49.88

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.3030e-003	2.7396e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	8.3160e-003	0.10
tblVehicleEF	LDA	1.8870e-003	2.1101e-003
tblVehicleEF	LDA	3.6100e-004	4.9310e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.2530e-003	0.11
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.1050e-003	0.11
tblVehicleEF	LDA	1.5710e-003	8.9629e-004
tblVehicleEF	LDA	7.0700e-004	0.03
tblVehicleEF	LDA	0.27	0.39

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.34	1.45
tblVehicleEF	LDA	177.14	201.67
tblVehicleEF	LDA	35.70	50.29
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	3.9560e-003	2.6603e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.5390e-003	0.12
tblVehicleEF	LDA	1.7720e-003	1.9936e-003
tblVehicleEF	LDA	3.6200e-004	4.9717e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.7470e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	2.5660e-003	1.4253e-003
tblVehicleEF	LDT1	1.3400e-003	0.04
tblVehicleEF	LDT1	0.41	0.56
tblVehicleEF	LDT1	0.50	1.83
tblVehicleEF	LDT1	233.64	268.68
tblVehicleEF	LDT1	46.68	65.96
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.3640e-003	4.7648e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.3390e-003	2.6562e-003
tblVehicleEF	LDT1	4.7400e-004	6.5213e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	9.2810e-003	0.18
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT1	2.7280e-003	1.4718e-003
tblVehicleEF	LDT1	1.1960e-003	0.04
tblVehicleEF	LDT1	0.45	0.65
tblVehicleEF	LDT1	0.43	1.58
tblVehicleEF	LDT1	244.10	278.52
tblVehicleEF	LDT1	46.68	65.52
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.7650e-003	4.8734e-003
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.15
tblVehicleEF	LDT1	2.4440e-003	2.7534e-003
tblVehicleEF	LDT1	4.7300e-004	6.4771e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.8660e-003	0.16
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.5140e-003	1.4128e-003
tblVehicleEF	LDT1	1.3710e-003	0.04
tblVehicleEF	LDT1	0.39	0.52
tblVehicleEF	LDT1	0.52	1.88
tblVehicleEF	LDT1	229.79	265.05
tblVehicleEF	LDT1	46.68	66.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.2330e-003	4.7322e-003
tblVehicleEF	LDT1	0.06	0.26

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	2.3000e-003	2.6203e-003
tblVehicleEF	LDT1	4.7500e-004	6.5309e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.0910e-003	0.18
tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT2	2.4720e-003	1.4008e-003
tblVehicleEF	LDT2	1.1960e-003	0.04
tblVehicleEF	LDT2	0.44	0.55
tblVehicleEF	LDT2	0.50	1.94
tblVehicleEF	LDT2	263.09	281.67
tblVehicleEF	LDT2	52.31	68.54
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.19
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.1610e-003	4.4385e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.6330e-003	2.7842e-003
tblVehicleEF	LDT2	5.3100e-004	6.7756e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.9750e-003	0.18
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	2.6290e-003	1.4468e-003
tblVehicleEF	LDT2	1.1030e-003	0.04
tblVehicleEF	LDT2	0.48	0.64
tblVehicleEF	LDT2	0.45	1.68
tblVehicleEF	LDT2	274.92	291.08
tblVehicleEF	LDT2	52.31	68.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	6.5480e-003	4.5386e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.01	0.15
tblVehicleEF	LDT2	2.7520e-003	2.8772e-003
tblVehicleEF	LDT2	5.3000e-004	6.7287e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.5400e-003	0.16
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.4210e-003	1.3885e-003
tblVehicleEF	LDT2	1.2160e-003	0.04
tblVehicleEF	LDT2	0.42	0.52
tblVehicleEF	LDT2	0.51	2.00
tblVehicleEF	LDT2	258.75	278.20
tblVehicleEF	LDT2	52.31	68.64
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.20
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.0350e-003	4.4085e-003
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.17
tblVehicleEF	LDT2	2.5890e-003	2.7499e-003
tblVehicleEF	LDT2	5.3100e-004	6.7859e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.7900e-003	0.18
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LHD1	2.6220e-003	2.6823e-003
tblVehicleEF	LHD1	1.9460e-003	7.4228e-004
tblVehicleEF	LHD1	3.8680e-003	9.0978e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.91	1.36
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.36

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.30	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0244e-004
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.7700e-004	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6907e-003
tblVehicleEF	LHD1	1.9570e-003	1.1829e-003
tblVehicleEF	LHD1	3.7260e-003	8.8242e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.88	1.31
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.37
tblVehicleEF	LHD1	20.48	10.27
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.29	0.17
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2000e-004	1.0157e-004
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6806e-003
tblVehicleEF	LHD1	1.9430e-003	1.1751e-003
tblVehicleEF	LHD1	3.8970e-003	9.1541e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.92	1.37
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.38
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.31	0.18

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0258e-004
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.06	0.04

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	2.1650e-003	1.5352e-003
tblVehicleEF	LHD2	1.7850e-003	1.2176e-003
tblVehicleEF	LHD2	2.0410e-003	4.7343e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.80	0.76
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.67
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.16
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.03	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6041e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5396e-003
tblVehicleEF	LHD2	1.7940e-003	1.2196e-003
tblVehicleEF	LHD2	2.0290e-003	4.5923e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.77	0.73
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.20
tblVehicleEF	LHD2	21.11	5.62
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.5558e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5343e-003
tblVehicleEF	LHD2	1.7830e-003	1.2172e-003
tblVehicleEF	LHD2	2.0440e-003	4.7635e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.81	0.77
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.68
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6117e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.14	0.13
tblVehicleEF	MCY	17.71	10.13
tblVehicleEF	MCY	9.88	7.18
tblVehicleEF	MCY	192.99	185.97
tblVehicleEF	MCY	41.24	37.25
tblVehicleEF	MCY	1.13	0.46
tblVehicleEF	MCY	0.31	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	2.56	0.82
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	1.95	0.91
tblVehicleEF	MCY	2.2990e-003	1.8385e-003
tblVehicleEF	MCY	6.3100e-004	3.6823e-004
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	3.22	1.00
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	2.13	1.00
tblVehicleEF	MCY	0.55	0.14
tblVehicleEF	MCY	0.13	0.12
tblVehicleEF	MCY	17.14	10.26
tblVehicleEF	MCY	8.95	6.46
tblVehicleEF	MCY	192.99	186.21
tblVehicleEF	MCY	41.24	35.84
tblVehicleEF	MCY	0.99	0.41
tblVehicleEF	MCY	0.29	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	2.52	0.83
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.76	0.84
tblVehicleEF	MCY	2.2880e-003	1.8409e-003
tblVehicleEF	MCY	6.1000e-004	3.5432e-004
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	3.16	0.91
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.91	0.91
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.15	0.13
tblVehicleEF	MCY	17.80	10.09
tblVehicleEF	MCY	10.05	7.32
tblVehicleEF	MCY	192.99	185.90
tblVehicleEF	MCY	41.24	37.51
tblVehicleEF	MCY	1.10	0.45
tblVehicleEF	MCY	0.31	0.08
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	2.57	0.82
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	1.99	0.93
tblVehicleEF	MCY	2.3000e-003	1.8378e-003
tblVehicleEF	MCY	6.3500e-004	3.7086e-004
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	3.23	1.01
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	2.17	1.01
tblVehicleEF	MDV	3.5320e-003	1.5030e-003
tblVehicleEF	MDV	2.3900e-003	0.04
tblVehicleEF	MDV	0.54	0.57
tblVehicleEF	MDV	0.70	1.96
tblVehicleEF	MDV	349.46	336.58
tblVehicleEF	MDV	68.08	81.59
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.20
tblVehicleEF	MDV	0.04	9.3249e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	8.9320e-003	4.9205e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4930e-003	3.3259e-003
tblVehicleEF	MDV	6.9200e-004	8.0655e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	3.7530e-003	1.5524e-003
tblVehicleEF	MDV	2.1640e-003	0.04
tblVehicleEF	MDV	0.59	0.66
tblVehicleEF	MDV	0.63	1.69
tblVehicleEF	MDV	364.71	345.83
tblVehicleEF	MDV	68.08	81.10

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.4810e-003	5.0313e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.6460e-003	3.4174e-003
tblVehicleEF	MDV	6.9000e-004	8.0179e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.18
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.17
tblVehicleEF	MDV	3.4590e-003	1.4898e-003
tblVehicleEF	MDV	2.4380e-003	0.04
tblVehicleEF	MDV	0.52	0.54

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.72	2.02
tblVehicleEF	MDV	343.85	333.17
tblVehicleEF	MDV	68.08	81.69
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.21
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.7540e-003	4.8872e-003
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4370e-003	3.2922e-003
tblVehicleEF	MDV	6.9200e-004	8.0759e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.04	0.20

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	3.6700e-003	2.6055e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.01	1.48
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.81
tblVehicleEF	MH	0.55	0.84
tblVehicleEF	MH	0.51	0.26
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1100e-004	1.7602e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MH	3.7410e-003	2.6411e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.18	0.15
tblVehicleEF	MH	2.85	1.40
tblVehicleEF	MH	1,092.30	1,472.26
tblVehicleEF	MH	55.88	17.68
tblVehicleEF	MH	0.52	0.79
tblVehicleEF	MH	0.49	0.25
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.17	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.0800e-004	1.7475e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.19	0.07
tblVehicleEF	MH	3.6500e-003	2.5951e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.05	1.49
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.83
tblVehicleEF	MH	0.54	0.82
tblVehicleEF	MH	0.52	0.27
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	3.0220e-003	0.07

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1200e-004	1.7623e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9120e-003	4.4890e-003
tblVehicleEF	MHD	0.03	4.5326e-003
tblVehicleEF	MHD	0.34	0.42
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.75	0.42
tblVehicleEF	MHD	136.15	87.05
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.80
tblVehicleEF	MHD	0.34	0.43
tblVehicleEF	MHD	0.63	0.15
tblVehicleEF	MHD	10.41	0.71
tblVehicleEF	MHD	2.9000e-005	1.3504e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.8000e-005	1.2869e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.03	3.6345e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.3100e-003	7.9613e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0700e-004	4.7466e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9230e-003	4.4938e-003
tblVehicleEF	MHD	0.03	4.3879e-003
tblVehicleEF	MHD	0.25	0.39
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.61	0.40

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	144.21	86.00
tblVehicleEF	MHD	1,112.76	638.82
tblVehicleEF	MHD	55.89	4.77
tblVehicleEF	MHD	0.35	0.41
tblVehicleEF	MHD	0.59	0.14
tblVehicleEF	MHD	10.40	0.71
tblVehicleEF	MHD	2.5000e-005	1.2078e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.4000e-005	1.1505e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.03	3.6499e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3860e-003	7.8620e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0500e-004	4.7131e-005
tblVehicleEF	MHD	9.7900e-004	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9090e-003	4.4873e-003
tblVehicleEF	MHD	0.03	4.5560e-003
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.77	0.42
tblVehicleEF	MHD	125.01	88.51
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.81
tblVehicleEF	MHD	0.33	0.46
tblVehicleEF	MHD	0.61	0.15
tblVehicleEF	MHD	10.42	0.71
tblVehicleEF	MHD	3.6000e-005	1.5473e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	3.4000e-005	1.4753e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.03	3.6300e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.2060e-003	8.0982e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0800e-004	4.7532e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.21	0.03
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0500e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.58
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.70	1.47
tblVehicleEF	OBUS	103.85	76.48
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.14

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.23	0.20
tblVehicleEF	OBUS	0.57	0.50
tblVehicleEF	OBUS	2.52	0.47
tblVehicleEF	OBUS	2.1000e-005	2.2252e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.0000e-005	2.1195e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	1.0020e-003	6.7346e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1300e-004	1.2994e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	8.2300e-004	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0870e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.25	0.36
tblVehicleEF	OBUS	3.50	1.40
tblVehicleEF	OBUS	109.08	75.70
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.02
tblVehicleEF	OBUS	0.24	0.19
tblVehicleEF	OBUS	0.54	0.47
tblVehicleEF	OBUS	2.50	0.46
tblVehicleEF	OBUS	1.8000e-005	1.9686e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	1.7000e-005	1.8740e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.24	0.07
tblVehicleEF	OBUS	1.0520e-003	6.6604e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1000e-004	1.2867e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0390e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.74	1.48
tblVehicleEF	OBUS	96.64	77.56
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.17
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	2.53	0.47

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	2.6000e-005	2.5796e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.5000e-005	2.4586e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	9.3400e-004	6.8370e-004
tblVehicleEF	OBUS	0.01	9.0558e-003
tblVehicleEF	OBUS	7.1400e-004	1.3015e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6310e-003	1.10
tblVehicleEF	SBUS	0.05	5.1367e-003
tblVehicleEF	SBUS	9.81	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.60	0.58
tblVehicleEF	SBUS	934.27	222.10
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.05
tblVehicleEF	SBUS	1.78	0.34
tblVehicleEF	SBUS	0.82	0.30
tblVehicleEF	SBUS	9.47	0.19
tblVehicleEF	SBUS	1.3300e-004	6.3235e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.2700e-004	5.8330e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.04	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	9.2630e-003	7.2145e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9300e-004	4.0045e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6800e-003	1.10
tblVehicleEF	SBUS	0.04	4.6192e-003
tblVehicleEF	SBUS	9.78	2.75
tblVehicleEF	SBUS	0.27	3.49
tblVehicleEF	SBUS	5.36	0.48
tblVehicleEF	SBUS	969.91	221.89
tblVehicleEF	SBUS	978.89	880.52
tblVehicleEF	SBUS	67.79	3.88
tblVehicleEF	SBUS	1.83	0.34
tblVehicleEF	SBUS	0.78	0.28
tblVehicleEF	SBUS	9.44	0.19
tblVehicleEF	SBUS	1.1200e-004	6.2583e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.0700e-004	5.7705e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	9.6030e-003	7.1948e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.7200e-004	3.8360e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.05	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6170e-003	1.10
tblVehicleEF	SBUS	0.05	5.2104e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	9.86	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.82	0.59
tblVehicleEF	SBUS	885.05	222.39
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.07
tblVehicleEF	SBUS	1.71	0.35
tblVehicleEF	SBUS	0.81	0.29
tblVehicleEF	SBUS	9.48	0.20
tblVehicleEF	SBUS	1.6200e-004	6.4136e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.5500e-004	5.9192e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	8.7940e-003	7.2418e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9700e-004	4.0206e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.74	0.78
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.43	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.6366e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.41	1.63
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.69
tblVehicleEF	UBUS	1.33	8.8867e-003
tblVehicleEF	UBUS	12.15	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	0.10	2.1176e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5370e-003	9.5806e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.79	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.1407e-003
tblVehicleEF	UBUS	4.80	1.61
tblVehicleEF	UBUS	6.50	1.48
tblVehicleEF	UBUS	1,718.89	207.23
tblVehicleEF	UBUS	139.96	9.45
tblVehicleEF	UBUS	1.24	8.3293e-003
tblVehicleEF	UBUS	12.09	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	0.10	2.1235e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.02
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5210e-003	9.3382e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	1.25	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.7267e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.58	1.65
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.72
tblVehicleEF	UBUS	1.30	8.7664e-003
tblVehicleEF	UBUS	12.16	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	0.10	2.1162e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5400e-003	9.6140e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.80	0.03
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	30.83
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	20.58
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
Mobile	2,206.1060	1,099.0895	16,424.4786	44.2161	5,178.0889	17.1294	5,195.2183	1,290.9149	15.9890	1,306.9039		4,503,075.8345	4,503,075.8345	174.6125		4,507,441.1470
Total	17,261.6386	2,543.0742	45,239.9228	109.7552	5,178.0889	3,771.1945	8,949.2834	1,290.9149	3,770.0541	5,060.9690	453,761.6281	5,878,228.1295	6,331,989.7576	1,544.1899	39.8910	6,382,482.0243

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
Mobile	2,206.1060	1,099.0895	16,424.4786	44.2161	5,178.0889	17.1294	5,195.2183	1,290.9149	15.9890	1,306.9039		4,503,075.8345	4,503,075.8345	174.6125		4,507,441.1470
Total	17,261.6386	2,543.0742	45,239.9228	109.7552	5,178.0889	3,771.1945	8,949.2834	1,290.9149	3,770.0541	5,060.9690	453,761.6281	5,878,228.1295	6,331,989.7576	1,544.1899	39.8910	6,382,482.0243

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2039	12/31/2038	5	0	
2	Site Preparation	Site Preparation	1/1/2039	12/31/2038	5	0	
3	Grading	Grading	1/1/2039	12/31/2038	5	0	
4	Building Construction	Building Construction	1/1/2039	12/31/2038	5	0	
5	Paving	Paving	1/1/2039	12/31/2038	5	0	
6	Architectural Coating	Architectural Coating	1/1/2039	12/31/2038	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 143,574,323; Residential Outdoor: 47,858,108; Non-Residential Indoor: 45,069,300; Non-Residential Outdoor: 15,023,100; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	0		187	0.41
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Concrete/Industrial Saws	0		81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0		9	0.56
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0		97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	39,215.00	11,268.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7,843.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2,206.106 0	1,099.089 5	16,424.47 86	44.2161	5,178.088 9	17.1294	5,195.218 3	1,290.914 9	15.9890	1,306.9039		4,503,075. 8345	4,503,075. 8345	174.6125		4,507,441. 1470
Unmitigated	2,206.106 0	1,099.089 5	16,424.47 86	44.2161	5,178.088 9	17.1294	5,195.218 3	1,290.914 9	15.9890	1,306.9039		4,503,075. 8345	4,503,075. 8345	174.6125		4,507,441. 1470

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	930,650.60	852,911.95	569,345.70	2,495,819,775	2,495,819,775
University/College (4yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	930,650.60	852,911.95	569,345.70	2,495,819,775	2,495,819,775

4.3 Trip Type Information

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Congregate Care (Assisted Living)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Elementary School	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Government Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hospital	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hotel	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Industrial Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Mobile Home Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Place of Worship	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Regional Shopping Center	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Single Family Housing	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
University/College (4yr)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Unrefrigerated Warehouse-No Rail	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
NaturalGas Unmitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857410	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8409.52	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144740	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57108.7	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89095.9	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93896.2	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31257.4	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42583.6	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2.50736e+006	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7770.75	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6039.71	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - Natural Gas

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857.41	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8.40952	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144.74	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57.1087	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33.558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89.0959	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157.246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179.322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93.8962	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31.2574	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42.5836	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2507.36	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7.77075	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6.03971	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15,010.06 81	1,051.066 4	28,617.82 13	63.0593		3,722.653 3	3,722.653 3		3,722.653 3	3,722.6533	453,761.6 281	879,176.7 747	1,332,938. 4027	1,360.071 2	30.7981	1,376,118. 0225
Unmitigated	15,010.06 81	1,051.066 4	28,617.82 13	63.0593		3,722.653 3	3,722.653 3		3,722.653 3	3,722.6533	453,761.6 281	879,176.7 747	1,332,938. 4027	1,360.071 2	30.7981	1,376,118. 0225

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	119.2840	45.9555	3,982.0445	0.2113		22.1739	22.1739		22.1739	22.1739		7,202.7747	7,202.7747	6.8664		7,374.4335
Total	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	119.2840	45.9555	3,982.0445	0.2113		22.1739	22.1739		22.1739	22.1739		7,202.7747	7,202.7747	6.8664		7,374.4335
Total	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

Garden Grove FGPUZA (Existing Land Uses; 2040)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,992.80	1000sqft	103.40	1,992,800.00	0
Government Office Building	1,171.00	1000sqft	227.70	1,171,000.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,055.50	1000sqft	767.40	5,055,500.00	0
Place of Worship	627.90	1000sqft	129.90	627,900.00	0
University/College (4yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	6,257.40	1000sqft	560.30	6,257,400.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	163.10	Acre	163.10	7,104,636.00	0
Hotel	1,642.00	Room	77.90	2,383,500.00	0
Apartments Mid Rise	18,964.00	Dwelling Unit	909.50	18,964,000.00	64910
Congregate Care (Assisted Living)	186.00	Dwelling Unit	13.90	186,300.00	532
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	27,665.00	Dwelling Unit	4,802.90	49,797,000.00	104289
Regional Shopping Center	9,420.00	1000sqft	738.30	9,420,000.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2040		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

CO2 Intensity 150.55 **CH4 Intensity** 0.033 **N2O Intensity** 0.004
(lb/MW hr) **(lb/MW hr)** **(lb/MW hr)**

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors adjusted to reflect SCE 2040 energy mix.

Land Use - Source: EIR PD; Table 3-1. SFH includes ADUs, RSC includes "Other" LU, Govt Office includes Utilities, City Park includes Cemetary, Open / Vacant / ROW space not modeled.

Construction Phase - Future model run for current land uses - no construction emissions modeled.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No const emissions

Off-road Equipment - No const emissions.

Off-road Equipment - No const emissions.

Off-road Equipment - No const emissions.

Trips and VMT -

Vehicle Trips - Weighted average trip rates derived from a default CalEEMod run for specified land uses. Average trip distance adjusted based on avg CalEEMod trip distance from default run and F&P estimates for that were annualized.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Vehicle Emission Factors - Updated to EMFAC2021 v1.0.1 based on the methodology provided in CalEEMod User Manual Appendix.

Area Coating -

Energy Use - Updated based on rates contained in CalEEMod v2020.4.0 with adjustments made to reflect the existing building stock would be built to the 2013 Title 24 standards (CalGreen).

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00

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tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	252.63	297.91
tblEnergyUse	T24E	1.74	1.83
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	9.96	10.44
tblEnergyUse	T24E	2.55	2.68
tblEnergyUse	T24E	4.60	4.82
tblEnergyUse	T24E	221.74	251.15
tblEnergyUse	T24E	2.25	2.36
tblEnergyUse	T24E	4.01	4.20
tblEnergyUse	T24E	443.48	502.24
tblEnergyUse	T24E	3.04	3.18
tblEnergyUse	T24E	0.65	0.68
tblEnergyUse	T24NG	7,012.17	10,118.56
tblEnergyUse	T24NG	7,012.17	10,118.56
tblEnergyUse	T24NG	9.32	9.37
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	54.94	55.22
tblEnergyUse	T24NG	19.92	20.02
tblEnergyUse	T24NG	10.02	10.07
tblEnergyUse	T24NG	11,587.45	14,667.66
tblEnergyUse	T24NG	13.65	13.72

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD1	0.01	0.03
tblFleetMix	LHD2	6.4600e-003	7.8420e-003
tblFleetMix	LHD2	6.4600e-003	7.8420e-003
tblFleetMix	LHD2	6.4600e-003	7.8420e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	2,384,184.00	2,383,500.00
tblLandUse	LandUseSquareFeet	186,000.00	186,300.00
tblLandUse	LotAcreage	45.75	103.40
tblLandUse	LotAcreage	26.88	227.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	116.06	767.40
tblLandUse	LotAcreage	14.41	129.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	143.65	560.30
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	54.73	77.90
tblLandUse	LotAcreage	499.05	909.50
tblLandUse	LotAcreage	11.63	13.90
tblLandUse	LotAcreage	205.09	133.00
tblLandUse	LotAcreage	8,982.14	4,802.90
tblLandUse	LotAcreage	216.25	738.30
tblLandUse	Population	54,237.00	64,910.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	79,122.00	104,289.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	150.55
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblTripsAndVMT	WorkerTripNumber	15.00	18.00
tblTripsAndVMT	WorkerTripNumber	18.00	13.00
tblTripsAndVMT	WorkerTripNumber	20.00	23.00
tblTripsAndVMT	WorkerTripNumber	15.00	23.00
tblVehicleEF	HHD	0.34	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0190e-008
tblVehicleEF	HHD	1.44	4.34
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.84	1.3322e-003
tblVehicleEF	HHD	4,208.88	568.97
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.06	3.22
tblVehicleEF	HHD	1.74	0.96
tblVehicleEF	HHD	19.25	2.09
tblVehicleEF	HHD	1.8470e-003	1.3544e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.7670e-003	1.2895e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.37	0.27
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.09	8.8519e-003
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.0405e-007
tblVehicleEF	HHD	0.04	4.9062e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2514e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.19	1.4958e-007
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.2341e-007
tblVehicleEF	HHD	0.32	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	3.8603e-008
tblVehicleEF	HHD	1.05	4.29
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.64	1.2696e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4,458.94	562.36
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.45	3.07
tblVehicleEF	HHD	1.65	0.91
tblVehicleEF	HHD	19.24	2.09
tblVehicleEF	HHD	1.5570e-003	1.2197e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.4900e-003	1.1606e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.35	0.28
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.09	8.8531e-003
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.06	1.9651e-007
tblVehicleEF	HHD	0.04	4.8436e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7500e-004	1.2416e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.41	0.44
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.19	1.4405e-007
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.07	2.1515e-007
tblVehicleEF	HHD	0.37	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0566e-008
tblVehicleEF	HHD	1.99	4.41
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.87	1.3441e-003
tblVehicleEF	HHD	3,863.57	578.10
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	11.52	3.44
tblVehicleEF	HHD	1.71	0.95
tblVehicleEF	HHD	19.26	2.09
tblVehicleEF	HHD	2.2480e-003	1.5404e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	2.1500e-003	1.4675e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.40	0.25
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.09	8.8515e-003
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.0579e-007
tblVehicleEF	HHD	0.04	4.9926e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2532e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.47	0.39
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.19	1.5086e-007
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.2532e-007
tblVehicleEF	LDA	1.6050e-003	9.0428e-004
tblVehicleEF	LDA	6.9200e-004	0.03
tblVehicleEF	LDA	0.28	0.41
tblVehicleEF	LDA	0.33	1.41
tblVehicleEF	LDA	180.22	204.84
tblVehicleEF	LDA	35.70	50.22
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	4.0400e-003	2.6786e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.3260e-003	0.12
tblVehicleEF	LDA	1.8030e-003	2.0250e-003
tblVehicleEF	LDA	3.6200e-004	4.9644e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.8710e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	1.7110e-003	9.3417e-004
tblVehicleEF	LDA	6.1700e-004	0.03
tblVehicleEF	LDA	0.31	0.48
tblVehicleEF	LDA	0.29	1.22
tblVehicleEF	LDA	188.67	213.45
tblVehicleEF	LDA	35.70	49.88

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.3030e-003	2.7396e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	8.3160e-003	0.10
tblVehicleEF	LDA	1.8870e-003	2.1101e-003
tblVehicleEF	LDA	3.6100e-004	4.9310e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.2530e-003	0.11
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.1050e-003	0.11
tblVehicleEF	LDA	1.5710e-003	8.9629e-004
tblVehicleEF	LDA	7.0700e-004	0.03
tblVehicleEF	LDA	0.27	0.39

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.34	1.45
tblVehicleEF	LDA	177.14	201.67
tblVehicleEF	LDA	35.70	50.29
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	3.9560e-003	2.6603e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.5390e-003	0.12
tblVehicleEF	LDA	1.7720e-003	1.9936e-003
tblVehicleEF	LDA	3.6200e-004	4.9717e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.7470e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	2.5660e-003	1.4253e-003
tblVehicleEF	LDT1	1.3400e-003	0.04
tblVehicleEF	LDT1	0.41	0.56
tblVehicleEF	LDT1	0.50	1.83
tblVehicleEF	LDT1	233.64	268.68
tblVehicleEF	LDT1	46.68	65.96
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.3640e-003	4.7648e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.3390e-003	2.6562e-003
tblVehicleEF	LDT1	4.7400e-004	6.5213e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	9.2810e-003	0.18
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT1	2.7280e-003	1.4718e-003
tblVehicleEF	LDT1	1.1960e-003	0.04
tblVehicleEF	LDT1	0.45	0.65
tblVehicleEF	LDT1	0.43	1.58
tblVehicleEF	LDT1	244.10	278.52
tblVehicleEF	LDT1	46.68	65.52
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.7650e-003	4.8734e-003
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.15
tblVehicleEF	LDT1	2.4440e-003	2.7534e-003
tblVehicleEF	LDT1	4.7300e-004	6.4771e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.8660e-003	0.16
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.5140e-003	1.4128e-003
tblVehicleEF	LDT1	1.3710e-003	0.04
tblVehicleEF	LDT1	0.39	0.52
tblVehicleEF	LDT1	0.52	1.88
tblVehicleEF	LDT1	229.79	265.05
tblVehicleEF	LDT1	46.68	66.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.2330e-003	4.7322e-003
tblVehicleEF	LDT1	0.06	0.26

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	2.3000e-003	2.6203e-003
tblVehicleEF	LDT1	4.7500e-004	6.5309e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.0910e-003	0.18
tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT2	2.4720e-003	1.4008e-003
tblVehicleEF	LDT2	1.1960e-003	0.04
tblVehicleEF	LDT2	0.44	0.55
tblVehicleEF	LDT2	0.50	1.94
tblVehicleEF	LDT2	263.09	281.67
tblVehicleEF	LDT2	52.31	68.54
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.19
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.1610e-003	4.4385e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.6330e-003	2.7842e-003
tblVehicleEF	LDT2	5.3100e-004	6.7756e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.9750e-003	0.18
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	2.6290e-003	1.4468e-003
tblVehicleEF	LDT2	1.1030e-003	0.04
tblVehicleEF	LDT2	0.48	0.64
tblVehicleEF	LDT2	0.45	1.68
tblVehicleEF	LDT2	274.92	291.08
tblVehicleEF	LDT2	52.31	68.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	6.5480e-003	4.5386e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.01	0.15
tblVehicleEF	LDT2	2.7520e-003	2.8772e-003
tblVehicleEF	LDT2	5.3000e-004	6.7287e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.5400e-003	0.16
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.4210e-003	1.3885e-003
tblVehicleEF	LDT2	1.2160e-003	0.04
tblVehicleEF	LDT2	0.42	0.52
tblVehicleEF	LDT2	0.51	2.00
tblVehicleEF	LDT2	258.75	278.20
tblVehicleEF	LDT2	52.31	68.64
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.20
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.0350e-003	4.4085e-003
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.17
tblVehicleEF	LDT2	2.5890e-003	2.7499e-003
tblVehicleEF	LDT2	5.3100e-004	6.7859e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.7900e-003	0.18
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LHD1	2.6220e-003	2.6823e-003
tblVehicleEF	LHD1	1.9460e-003	7.4228e-004
tblVehicleEF	LHD1	3.8680e-003	9.0978e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.91	1.36
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.36

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.30	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0244e-004
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.7700e-004	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6907e-003
tblVehicleEF	LHD1	1.9570e-003	1.1829e-003
tblVehicleEF	LHD1	3.7260e-003	8.8242e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.88	1.31
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.37
tblVehicleEF	LHD1	20.48	10.27
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.29	0.17
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2000e-004	1.0157e-004
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6806e-003
tblVehicleEF	LHD1	1.9430e-003	1.1751e-003
tblVehicleEF	LHD1	3.8970e-003	9.1541e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.92	1.37
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.38
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.31	0.18

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0258e-004
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.06	0.04

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	2.1650e-003	1.5352e-003
tblVehicleEF	LHD2	1.7850e-003	1.2176e-003
tblVehicleEF	LHD2	2.0410e-003	4.7343e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.80	0.76
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.67
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.16
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.03	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6041e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5396e-003
tblVehicleEF	LHD2	1.7940e-003	1.2196e-003
tblVehicleEF	LHD2	2.0290e-003	4.5923e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.77	0.73
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.20
tblVehicleEF	LHD2	21.11	5.62
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.5558e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5343e-003
tblVehicleEF	LHD2	1.7830e-003	1.2172e-003
tblVehicleEF	LHD2	2.0440e-003	4.7635e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.81	0.77
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.68
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6117e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.14	0.13
tblVehicleEF	MCY	17.71	10.13
tblVehicleEF	MCY	9.88	7.18
tblVehicleEF	MCY	192.99	185.97
tblVehicleEF	MCY	41.24	37.25
tblVehicleEF	MCY	1.13	0.46
tblVehicleEF	MCY	0.31	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	2.56	0.82
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	1.95	0.91
tblVehicleEF	MCY	2.2990e-003	1.8385e-003
tblVehicleEF	MCY	6.3100e-004	3.6823e-004
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	3.22	1.00
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	2.13	1.00
tblVehicleEF	MCY	0.55	0.14
tblVehicleEF	MCY	0.13	0.12
tblVehicleEF	MCY	17.14	10.26
tblVehicleEF	MCY	8.95	6.46
tblVehicleEF	MCY	192.99	186.21
tblVehicleEF	MCY	41.24	35.84
tblVehicleEF	MCY	0.99	0.41
tblVehicleEF	MCY	0.29	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	2.52	0.83
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.76	0.84
tblVehicleEF	MCY	2.2880e-003	1.8409e-003
tblVehicleEF	MCY	6.1000e-004	3.5432e-004
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	3.16	0.91
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.91	0.91
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.15	0.13
tblVehicleEF	MCY	17.80	10.09
tblVehicleEF	MCY	10.05	7.32
tblVehicleEF	MCY	192.99	185.90
tblVehicleEF	MCY	41.24	37.51
tblVehicleEF	MCY	1.10	0.45
tblVehicleEF	MCY	0.31	0.08
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	2.57	0.82
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	1.99	0.93
tblVehicleEF	MCY	2.3000e-003	1.8378e-003
tblVehicleEF	MCY	6.3500e-004	3.7086e-004
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	3.23	1.01
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	2.17	1.01
tblVehicleEF	MDV	3.5320e-003	1.5030e-003
tblVehicleEF	MDV	2.3900e-003	0.04
tblVehicleEF	MDV	0.54	0.57
tblVehicleEF	MDV	0.70	1.96
tblVehicleEF	MDV	349.46	336.58
tblVehicleEF	MDV	68.08	81.59
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.20
tblVehicleEF	MDV	0.04	9.3249e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	8.9320e-003	4.9205e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4930e-003	3.3259e-003
tblVehicleEF	MDV	6.9200e-004	8.0655e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	3.7530e-003	1.5524e-003
tblVehicleEF	MDV	2.1640e-003	0.04
tblVehicleEF	MDV	0.59	0.66
tblVehicleEF	MDV	0.63	1.69
tblVehicleEF	MDV	364.71	345.83
tblVehicleEF	MDV	68.08	81.10

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.4810e-003	5.0313e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.6460e-003	3.4174e-003
tblVehicleEF	MDV	6.9000e-004	8.0179e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.18
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.17
tblVehicleEF	MDV	3.4590e-003	1.4898e-003
tblVehicleEF	MDV	2.4380e-003	0.04
tblVehicleEF	MDV	0.52	0.54

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MDV	0.72	2.02
tblVehicleEF	MDV	343.85	333.17
tblVehicleEF	MDV	68.08	81.69
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.21
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.7540e-003	4.8872e-003
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4370e-003	3.2922e-003
tblVehicleEF	MDV	6.9200e-004	8.0759e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.04	0.20

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	3.6700e-003	2.6055e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.01	1.48
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.81
tblVehicleEF	MH	0.55	0.84
tblVehicleEF	MH	0.51	0.26
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1100e-004	1.7602e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MH	3.7410e-003	2.6411e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.18	0.15
tblVehicleEF	MH	2.85	1.40
tblVehicleEF	MH	1,092.30	1,472.26
tblVehicleEF	MH	55.88	17.68
tblVehicleEF	MH	0.52	0.79
tblVehicleEF	MH	0.49	0.25
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.17	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.0800e-004	1.7475e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.19	0.07
tblVehicleEF	MH	3.6500e-003	2.5951e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.05	1.49
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.83
tblVehicleEF	MH	0.54	0.82
tblVehicleEF	MH	0.52	0.27
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	3.0220e-003	0.07

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1200e-004	1.7623e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9120e-003	4.4890e-003
tblVehicleEF	MHD	0.03	4.5326e-003
tblVehicleEF	MHD	0.34	0.42
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.75	0.42
tblVehicleEF	MHD	136.15	87.05
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.80
tblVehicleEF	MHD	0.34	0.43
tblVehicleEF	MHD	0.63	0.15
tblVehicleEF	MHD	10.41	0.71
tblVehicleEF	MHD	2.9000e-005	1.3504e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.8000e-005	1.2869e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.03	3.6345e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.3100e-003	7.9613e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0700e-004	4.7466e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9230e-003	4.4938e-003
tblVehicleEF	MHD	0.03	4.3879e-003
tblVehicleEF	MHD	0.25	0.39
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.61	0.40

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	144.21	86.00
tblVehicleEF	MHD	1,112.76	638.82
tblVehicleEF	MHD	55.89	4.77
tblVehicleEF	MHD	0.35	0.41
tblVehicleEF	MHD	0.59	0.14
tblVehicleEF	MHD	10.40	0.71
tblVehicleEF	MHD	2.5000e-005	1.2078e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.4000e-005	1.1505e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.03	3.6499e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3860e-003	7.8620e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0500e-004	4.7131e-005
tblVehicleEF	MHD	9.7900e-004	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9090e-003	4.4873e-003
tblVehicleEF	MHD	0.03	4.5560e-003
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.77	0.42
tblVehicleEF	MHD	125.01	88.51
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.81
tblVehicleEF	MHD	0.33	0.46
tblVehicleEF	MHD	0.61	0.15
tblVehicleEF	MHD	10.42	0.71
tblVehicleEF	MHD	3.6000e-005	1.5473e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	3.4000e-005	1.4753e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.03	3.6300e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.2060e-003	8.0982e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0800e-004	4.7532e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.21	0.03
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0500e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.58
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.70	1.47
tblVehicleEF	OBUS	103.85	76.48
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.14

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.23	0.20
tblVehicleEF	OBUS	0.57	0.50
tblVehicleEF	OBUS	2.52	0.47
tblVehicleEF	OBUS	2.1000e-005	2.2252e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.0000e-005	2.1195e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	1.0020e-003	6.7346e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1300e-004	1.2994e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	8.2300e-004	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0870e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.25	0.36
tblVehicleEF	OBUS	3.50	1.40
tblVehicleEF	OBUS	109.08	75.70
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.02
tblVehicleEF	OBUS	0.24	0.19
tblVehicleEF	OBUS	0.54	0.47
tblVehicleEF	OBUS	2.50	0.46
tblVehicleEF	OBUS	1.8000e-005	1.9686e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	1.7000e-005	1.8740e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.24	0.07
tblVehicleEF	OBUS	1.0520e-003	6.6604e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1000e-004	1.2867e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0390e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.74	1.48
tblVehicleEF	OBUS	96.64	77.56
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.17
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	0.56	0.49
tblVehicleEF	OBUS	2.53	0.47

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	2.6000e-005	2.5796e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.5000e-005	2.4586e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	9.3400e-004	6.8370e-004
tblVehicleEF	OBUS	0.01	9.0558e-003
tblVehicleEF	OBUS	7.1400e-004	1.3015e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6310e-003	1.10
tblVehicleEF	SBUS	0.05	5.1367e-003
tblVehicleEF	SBUS	9.81	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.60	0.58
tblVehicleEF	SBUS	934.27	222.10
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.05
tblVehicleEF	SBUS	1.78	0.34
tblVehicleEF	SBUS	0.82	0.30
tblVehicleEF	SBUS	9.47	0.19
tblVehicleEF	SBUS	1.3300e-004	6.3235e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.2700e-004	5.8330e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.04	0.02

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	9.2630e-003	7.2145e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9300e-004	4.0045e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6800e-003	1.10
tblVehicleEF	SBUS	0.04	4.6192e-003
tblVehicleEF	SBUS	9.78	2.75
tblVehicleEF	SBUS	0.27	3.49
tblVehicleEF	SBUS	5.36	0.48
tblVehicleEF	SBUS	969.91	221.89
tblVehicleEF	SBUS	978.89	880.52
tblVehicleEF	SBUS	67.79	3.88
tblVehicleEF	SBUS	1.83	0.34
tblVehicleEF	SBUS	0.78	0.28
tblVehicleEF	SBUS	9.44	0.19
tblVehicleEF	SBUS	1.1200e-004	6.2583e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.0700e-004	5.7705e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	9.6030e-003	7.1948e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.7200e-004	3.8360e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.05	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6170e-003	1.10
tblVehicleEF	SBUS	0.05	5.2104e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	9.86	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.82	0.59
tblVehicleEF	SBUS	885.05	222.39
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.07
tblVehicleEF	SBUS	1.71	0.35
tblVehicleEF	SBUS	0.81	0.29
tblVehicleEF	SBUS	9.48	0.20
tblVehicleEF	SBUS	1.6200e-004	6.4136e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.5500e-004	5.9192e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.39	0.03
tblVehicleEF	SBUS	8.7940e-003	7.2418e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9700e-004	4.0206e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.74	0.78
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.43	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.6366e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.41	1.63
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.69
tblVehicleEF	UBUS	1.33	8.8867e-003
tblVehicleEF	UBUS	12.15	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	0.10	2.1176e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5370e-003	9.5806e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.79	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.1407e-003
tblVehicleEF	UBUS	4.80	1.61
tblVehicleEF	UBUS	6.50	1.48
tblVehicleEF	UBUS	1,718.89	207.23
tblVehicleEF	UBUS	139.96	9.45
tblVehicleEF	UBUS	1.24	8.3293e-003
tblVehicleEF	UBUS	12.09	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	0.10	2.1235e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.02
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5210e-003	9.3382e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	1.25	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.7267e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.58	1.65
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.72
tblVehicleEF	UBUS	1.30	8.7664e-003
tblVehicleEF	UBUS	12.16	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	0.10	2.1162e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5400e-003	9.6140e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.80	0.03
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00
tblVehicleTrips	PR_TP	86.00	100.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	10.37	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	30.83
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	36.63	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	20.58
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
Mobile	2,205.9828	1,197.8123	15,345.3922	42.4335	5,178.0889	17.1353	5,195.2241	1,290.9149	15.9946	1,306.9095		4,322,778.8520	4,322,778.8520	180.4546		4,327,290.2163
Total	17,261.5153	2,641.7971	44,160.8364	107.9727	5,178.0889	3,771.2003	8,949.2892	1,290.9149	3,770.0597	5,060.9746	453,761.6281	5,697,931.1471	6,151,692.7751	1,550.0320	39.8910	6,202,331.0937

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225
Energy	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
Mobile	2,205.9828	1,197.8123	15,345.3922	42.4335	5,178.0889	17.1353	5,195.2241	1,290.9149	15.9946	1,306.9095		4,322,778.8520	4,322,778.8520	180.4546		4,327,290.2163
Total	17,261.5153	2,641.7971	44,160.8364	107.9727	5,178.0889	3,771.2003	8,949.2892	1,290.9149	3,770.0597	5,060.9746	453,761.6281	5,697,931.1471	6,151,692.7751	1,550.0320	39.8910	6,202,331.0937

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2039	12/31/2038	5	0	
2	Site Preparation	Site Preparation	1/1/2039	12/31/2038	5	0	
3	Grading	Grading	1/1/2039	12/31/2038	5	0	
4	Building Construction	Building Construction	1/1/2039	12/31/2038	5	0	
5	Paving	Paving	1/1/2039	12/31/2038	5	0	
6	Architectural Coating	Architectural Coating	1/1/2039	12/31/2038	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 0

Acres of Paving: 0

Residential Indoor: 143,574,323; Residential Outdoor: 47,858,108; Non-Residential Indoor: 45,069,300; Non-Residential Outdoor: 15,023,100; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Demolition	Tractors/Loaders/Backhoes	0	8.00	97	0.37
Site Preparation	Graders	0		187	0.41
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Concrete/Industrial Saws	0		81	0.73
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Cement and Mortar Mixers	0		9	0.56
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Paving	Tractors/Loaders/Backhoes	0		97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	13.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	8	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	39,215.00	11,268.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	7,843.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2,205.982 8	1,197.812 3	15,345.39 22	42.4335	5,178.088 9	17.1353	5,195.224 1	1,290.914 9	15.9946	1,306.9095		4,322,778. 8520	4,322,778. 8520	180.4546		4,327,290. 2163
Unmitigated	2,205.982 8	1,197.812 3	15,345.39 22	42.4335	5,178.088 9	17.1353	5,195.224 1	1,290.914 9	15.9946	1,306.9095		4,322,778. 8520	4,322,778. 8520	180.4546		4,327,290. 2163

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Place of Worship	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	930,650.60	852,911.95	569,345.70	2,495,819,775	2,495,819,775
University/College (4yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	930,650.60	852,911.95	569,345.70	2,495,819,775	2,495,819,775

4.3 Trip Type Information

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Place of Worship	16.60	8.40	6.90	0.00	95.00	5.00	64	25	11
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Congregate Care (Assisted Living)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Elementary School	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Government Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hospital	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hotel	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Industrial Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Mobile Home Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Place of Worship	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Regional Shopping Center	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Single Family Housing	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
University/College (4yr)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Unrefrigerated Warehouse-No Rail	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549
NaturalGas Unmitigated	45.4644	392.9184	197.6229	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857410	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8409.52	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144740	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57108.7	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89095.9	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93896.2	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31257.4	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42583.6	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2.50736e+006	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7770.75	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6039.71	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

5.2 Energy by Land Use - Natural Gas

Mitigated

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Mid Rise	857.41	9.2466	79.0162	33.6239	0.5044		6.3885	6.3885		6.3885	6.3885		100,871.7318	100,871.7318	1.9334	1.8493	101,471.1620
City Park	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
Congregate Care (Assisted Living)	8.40952	0.0907	0.7750	0.3298	4.9500e-003		0.0627	0.0627		0.0627	0.0627		989.3557	989.3557	0.0190	0.0181	995.2350
Elementary School	144.74	1.5609	14.1902	11.9197	0.0851		1.0785	1.0785		1.0785	1.0785		17,028.1950	17,028.1950	0.3264	0.3122	17,129.3851
General Office Building	57.1087	0.6159	5.5989	4.7031	0.0336		0.4255	0.4255		0.4255	0.4255		6,718.6746	6,718.6746	0.1288	0.1232	6,758.6003
Government Office Building	33.558	0.3619	3.2900	2.7636	0.0197		0.2500	0.2500		0.2500	0.2500		3,947.9968	3,947.9968	0.0757	0.0724	3,971.4578
Hospital	89.0959	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	157.246	1.6958	15.4162	12.9497	0.0925		1.1716	1.1716		1.1716	1.1716		18,499.4940	18,499.4940	0.3546	0.3392	18,609.4272
Industrial Park	179.322	1.9339	17.5806	14.7677	0.1055		1.3361	1.3361		1.3361	1.3361		21,096.6653	21,096.6653	0.4044	0.3868	21,222.0322
Mobile Home Park	93.8962	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Place of Worship	31.2574	0.3371	3.0645	2.5741	0.0184		0.2329	0.2329		0.2329	0.2329		3,677.3386	3,677.3386	0.0705	0.0674	3,699.1912
Regional Shopping Center	42.5836	0.4592	4.1749	3.5069	0.0251		0.3173	0.3173		0.3173	0.3173		5,009.8308	5,009.8308	0.0960	0.0919	5,039.6017
Single Family Housing	2507.36	27.0401	231.0700	98.3277	1.4749		18.6823	18.6823		18.6823	18.6823		294,983.0003	294,983.0003	5.6538	5.4080	296,735.9368
University/College (4yr)	7.77075	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6.03971	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		45.4644	392.9184	197.6230	2.4799		31.4118	31.4118		31.4118	31.4118		495,975.5204	495,975.5204	9.5062	9.0929	498,922.8549

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15,010.06 81	1,051.066 4	28,617.82 13	63.0593		3,722.653 3	3,722.653 3		3,722.653 3	3,722.6533	453,761.6 281	879,176.7 747	1,332,938. 4027	1,360.071 2	30.7981	1,376,118. 0225
Unmitigated	15,010.06 81	1,051.066 4	28,617.82 13	63.0593		3,722.653 3	3,722.653 3		3,722.653 3	3,722.6533	453,761.6 281	879,176.7 747	1,332,938. 4027	1,360.071 2	30.7981	1,376,118. 0225

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	119.2840	45.9555	3,982.0445	0.2113		22.1739	22.1739		22.1739	22.1739		7,202.7747	7,202.7747	6.8664		7,374.4335
Total	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	197.8556					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	1,999.1186					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,693.8100	1,005.1109	24,635.7768	62.8480		3,700.4794	3,700.4794		3,700.4794	3,700.4794	453,761.6281	871,974.0000	1,325,735.6281	1,353.2048	30.7981	1,368,743.5889
Landscaping	119.2840	45.9555	3,982.0445	0.2113		22.1739	22.1739		22.1739	22.1739		7,202.7747	7,202.7747	6.8664		7,374.4335
Total	15,010.0681	1,051.0664	28,617.8213	63.0593		3,722.6533	3,722.6533		3,722.6533	3,722.6533	453,761.6281	879,176.7747	1,332,938.4027	1,360.0712	30.7981	1,376,118.0225

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Garden Grove FGPUZA (Existing Land Uses; 2040) - Los Angeles-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

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Garden Grove FGPUZA (Proposed General Plan Update; 2040)
Los Angeles-South Coast County, Annual

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,941.50	1000sqft	36.80	1,941,500.00	0
Government Office Building	1,256.40	1000sqft	68.70	1,256,400.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,188.10	1000sqft	702.90	5,188,100.00	0
University/College (4Yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	5,974.90	1000sqft	599.40	5,974,900.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	355.30	Acre	355.30	15,476,868.00	0
Hotel	2,077.00	Room	77.90	3,015,700.00	0
Apartments Low Rise	11,589.00	Dwelling Unit	295.00	11,589,000.00	40970
Apartments Mid Rise	25,319.00	Dwelling Unit	978.20	25,319,000.00	90689
Congregate Care (Assisted Living)	331.00	Dwelling Unit	10.40	331,000.00	1186
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	29,632.00	Dwelling Unit	4,751.70	53,337,600.00	99632
Regional Shopping Center	8,703.30	1000sqft	673.60	8,703,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2040		
Utility Company	Southern California Edison				

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CO2 Intensity 150.55 **CH4 Intensity** 0.033 **N2O Intensity** 0.004
(lb/MW hr) **(lb/MW hr)** **(lb/MW hr)**

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors adjusted to reflect estimated SCE 2040 energy mix.

Land Use - EIR PD; Table 3-2 and Table 3-3. ROW space not modeled. MHP taken out of SFR.

Construction Phase - Future operational run. No construction emissions modeled.

Vehicle Trips - Trip rates derived from a default CalEEMod run for specified land uses. Avg trip distance adjusted based on avg CalEEMod trip distance and F&P estimates that were annualized.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445. Modling assumes existing development would retain stoves / hearths per default values.

Energy Use - Apt low-rise, hotel, and con care are built to 2019 T24. Hosp, uni, and wareh remain at 2013 T24. Remaining LU see minor imps to, on avg, meet 2016 T24. Factors obtained from CMod v2020.4.0; adj using CalEEMod Apndx E5, Tbl 1, 3, 4.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	257.27	54.80
tblEnergyUse	T24E	252.63	63.46
tblEnergyUse	T24E	252.63	53.81
tblEnergyUse	T24E	1.74	1.64
tblEnergyUse	T24E	4.60	4.31

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tblEnergyUse	T24E	4.60	4.31
tblEnergyUse	T24E	9.96	10.44
tblEnergyUse	T24E	2.55	2.28
tblEnergyUse	T24E	4.60	4.31
tblEnergyUse	T24E	221.74	251.15
tblEnergyUse	T24E	4.01	3.75
tblEnergyUse	T24E	443.48	105.47
tblEnergyUse	T24E	3.04	3.18
tblEnergyUse	T24E	0.65	0.68
tblEnergyUse	T24NG	9,955.77	9,487.85
tblEnergyUse	T24NG	7,012.17	9,642.99
tblEnergyUse	T24NG	7,012.17	6,682.59
tblEnergyUse	T24NG	9.32	9.28
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	54.94	55.22
tblEnergyUse	T24NG	19.92	19.72
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	11,587.45	14,667.66
tblEnergyUse	T24NG	21,090.59	24,187.44
tblEnergyUse	T24NG	26.49	26.63
tblFireplaces	NumberGas	9,850.65	11,589.00
tblFireplaces	NumberGas	21,521.15	22,474.40
tblFireplaces	NumberGas	281.35	303.10
tblFireplaces	NumberGas	25,187.20	25,482.25
tblFireplaces	NumberNoFireplace	1,158.90	0.00
tblFireplaces	NumberNoFireplace	2,531.90	1,896.40

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tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDT1	0.04	0.07
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tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20

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tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
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tblFleetMix	UBUS	1.5990e-003	5.4000e-004
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tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
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tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblGrading	AcresOfGrading	0.00	38,750.00
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	3,015,804.00	3,015,700.00
tblLandUse	LotAcreage	44.57	36.80
tblLandUse	LotAcreage	28.84	68.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	119.10	702.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	137.16	599.40
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	69.23	77.90
tblLandUse	LotAcreage	724.31	295.00
tblLandUse	LotAcreage	666.29	978.20
tblLandUse	LotAcreage	20.69	10.40
tblLandUse	LotAcreage	205.09	133.00

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tblLandUse	LotAcreage	9,620.78	4,751.70
tblLandUse	LotAcreage	199.80	673.60
tblLandUse	Population	33,145.00	40,970.00
tblLandUse	Population	72,412.00	90,689.00
tblLandUse	Population	947.00	1,186.00
tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	84,748.00	99,632.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	150.55
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleEF	HHD	0.34	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0190e-008
tblVehicleEF	HHD	1.44	4.34
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.84	1.3322e-003
tblVehicleEF	HHD	4,208.88	568.97
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.06	3.22
tblVehicleEF	HHD	1.74	0.96
tblVehicleEF	HHD	19.25	2.09
tblVehicleEF	HHD	1.8470e-003	1.3544e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007

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tblVehicleEF	HHD	1.7670e-003	1.2895e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.37	0.27
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.09	8.8519e-003
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.0405e-007
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tblVehicleEF	HHD	3.64	1.2696e-003
tblVehicleEF	HHD	4,458.94	562.36
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tblVehicleEF	HHD	12.45	3.07
tblVehicleEF	HHD	1.65	0.91
tblVehicleEF	HHD	19.24	2.09
tblVehicleEF	HHD	1.5570e-003	1.2197e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
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tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.35	0.28
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.09	8.8531e-003
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.06	1.9651e-007
tblVehicleEF	HHD	0.04	4.8436e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7500e-004	1.2416e-007

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tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.41	0.44
tblVehicleEF	HHD	1.2800e-004	0.00
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tblVehicleEF	HHD	0.07	2.1515e-007
tblVehicleEF	HHD	0.37	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0566e-008
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tblVehicleEF	HHD	1,507.96	1,077.92
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tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	2.1500e-003	1.4675e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003

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tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.40	0.25
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.09	8.8515e-003
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.0579e-007
tblVehicleEF	HHD	0.04	4.9926e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2532e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.47	0.39
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.19	1.5086e-007
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.2532e-007
tblVehicleEF	LDA	1.6050e-003	9.0428e-004
tblVehicleEF	LDA	6.9200e-004	0.03
tblVehicleEF	LDA	0.28	0.41
tblVehicleEF	LDA	0.33	1.41
tblVehicleEF	LDA	180.22	204.84
tblVehicleEF	LDA	35.70	50.22
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14

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tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	4.0400e-003	2.6786e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.3260e-003	0.12
tblVehicleEF	LDA	1.8030e-003	2.0250e-003
tblVehicleEF	LDA	3.6200e-004	4.9644e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.8710e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	1.7110e-003	9.3417e-004
tblVehicleEF	LDA	6.1700e-004	0.03
tblVehicleEF	LDA	0.31	0.48
tblVehicleEF	LDA	0.29	1.22
tblVehicleEF	LDA	188.67	213.45

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tblVehicleEF	LDA	35.70	49.88
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.3030e-003	2.7396e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	8.3160e-003	0.10
tblVehicleEF	LDA	1.8870e-003	2.1101e-003
tblVehicleEF	LDA	3.6100e-004	4.9310e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.2530e-003	0.11
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.1050e-003	0.11
tblVehicleEF	LDA	1.5710e-003	8.9629e-004
tblVehicleEF	LDA	7.0700e-004	0.03

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tblVehicleEF	LDA	0.27	0.39
tblVehicleEF	LDA	0.34	1.45
tblVehicleEF	LDA	177.14	201.67
tblVehicleEF	LDA	35.70	50.29
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	3.9560e-003	2.6603e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.5390e-003	0.12
tblVehicleEF	LDA	1.7720e-003	1.9936e-003
tblVehicleEF	LDA	3.6200e-004	4.9717e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.7470e-003	0.13
tblVehicleEF	LDA	0.03	0.13

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tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDT1	2.5660e-003	1.4253e-003
tblVehicleEF	LDT1	1.3400e-003	0.04
tblVehicleEF	LDT1	0.41	0.56
tblVehicleEF	LDT1	0.50	1.83
tblVehicleEF	LDT1	233.64	268.68
tblVehicleEF	LDT1	46.68	65.96
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.3640e-003	4.7648e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.3390e-003	2.6562e-003
tblVehicleEF	LDT1	4.7400e-004	6.5213e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07

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tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.2810e-003	0.18
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT1	2.7280e-003	1.4718e-003
tblVehicleEF	LDT1	1.1960e-003	0.04
tblVehicleEF	LDT1	0.45	0.65
tblVehicleEF	LDT1	0.43	1.58
tblVehicleEF	LDT1	244.10	278.52
tblVehicleEF	LDT1	46.68	65.52
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.7650e-003	4.8734e-003
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.15
tblVehicleEF	LDT1	2.4440e-003	2.7534e-003

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tblVehicleEF	LDT1	4.7300e-004	6.4771e-004
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.8660e-003	0.16
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.5140e-003	1.4128e-003
tblVehicleEF	LDT1	1.3710e-003	0.04
tblVehicleEF	LDT1	0.39	0.52
tblVehicleEF	LDT1	0.52	1.88
tblVehicleEF	LDT1	229.79	265.05
tblVehicleEF	LDT1	46.68	66.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.2330e-003	4.7322e-003

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tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	2.3000e-003	2.6203e-003
tblVehicleEF	LDT1	4.7500e-004	6.5309e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.0910e-003	0.18
tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT2	2.4720e-003	1.4008e-003
tblVehicleEF	LDT2	1.1960e-003	0.04
tblVehicleEF	LDT2	0.44	0.55
tblVehicleEF	LDT2	0.50	1.94
tblVehicleEF	LDT2	263.09	281.67
tblVehicleEF	LDT2	52.31	68.54
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.19
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.22

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tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.1610e-003	4.4385e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.6330e-003	2.7842e-003
tblVehicleEF	LDT2	5.3100e-004	6.7756e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.9750e-003	0.18
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	2.6290e-003	1.4468e-003
tblVehicleEF	LDT2	1.1030e-003	0.04
tblVehicleEF	LDT2	0.48	0.64
tblVehicleEF	LDT2	0.45	1.68
tblVehicleEF	LDT2	274.92	291.08
tblVehicleEF	LDT2	52.31	68.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

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tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	6.5480e-003	4.5386e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.01	0.15
tblVehicleEF	LDT2	2.7520e-003	2.8772e-003
tblVehicleEF	LDT2	5.3000e-004	6.7287e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.5400e-003	0.16
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.4210e-003	1.3885e-003
tblVehicleEF	LDT2	1.2160e-003	0.04
tblVehicleEF	LDT2	0.42	0.52
tblVehicleEF	LDT2	0.51	2.00
tblVehicleEF	LDT2	258.75	278.20
tblVehicleEF	LDT2	52.31	68.64
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.20
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004

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tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.0350e-003	4.4085e-003
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.17
tblVehicleEF	LDT2	2.5890e-003	2.7499e-003
tblVehicleEF	LDT2	5.3100e-004	6.7859e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.7900e-003	0.18
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LHD1	2.6220e-003	2.6823e-003
tblVehicleEF	LHD1	1.9460e-003	7.4228e-004
tblVehicleEF	LHD1	3.8680e-003	9.0978e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.91	1.36
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36

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tblVehicleEF	LHD1	20.48	10.36
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.30	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0244e-004
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.02

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tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6907e-003
tblVehicleEF	LHD1	1.9570e-003	1.1829e-003
tblVehicleEF	LHD1	3.7260e-003	8.8242e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.88	1.31
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.37
tblVehicleEF	LHD1	20.48	10.27
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.29	0.17
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	1.2690e-003	0.06

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tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2000e-004	1.0157e-004
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6806e-003
tblVehicleEF	LHD1	1.9430e-003	1.1751e-003
tblVehicleEF	LHD1	3.8970e-003	9.1541e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.92	1.37
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.38
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08

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tblVehicleEF	LHD1	0.31	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0258e-004
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.07	0.08

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tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD2	2.1650e-003	1.5352e-003
tblVehicleEF	LHD2	1.7850e-003	1.2176e-003
tblVehicleEF	LHD2	2.0410e-003	4.7343e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.80	0.76
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.67
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.16
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.9300e-004	0.00

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tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6041e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5396e-003
tblVehicleEF	LHD2	1.7940e-003	1.2196e-003
tblVehicleEF	LHD2	2.0290e-003	4.5923e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.77	0.73
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.20
tblVehicleEF	LHD2	21.11	5.62
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07

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tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.5558e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5343e-003
tblVehicleEF	LHD2	1.7830e-003	1.2172e-003

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tblVehicleEF	LHD2	2.0440e-003	4.7635e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.81	0.77
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.68
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02

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tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6117e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.14	0.13
tblVehicleEF	MCY	17.71	10.13
tblVehicleEF	MCY	9.88	7.18
tblVehicleEF	MCY	192.99	185.97
tblVehicleEF	MCY	41.24	37.25
tblVehicleEF	MCY	1.13	0.46
tblVehicleEF	MCY	0.31	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.10	1.79

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tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	2.56	0.82
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	1.95	0.91
tblVehicleEF	MCY	2.2990e-003	1.8385e-003
tblVehicleEF	MCY	6.3100e-004	3.6823e-004
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	3.22	1.00
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	2.13	1.00
tblVehicleEF	MCY	0.55	0.14
tblVehicleEF	MCY	0.13	0.12
tblVehicleEF	MCY	17.14	10.26
tblVehicleEF	MCY	8.95	6.46
tblVehicleEF	MCY	192.99	186.21
tblVehicleEF	MCY	41.24	35.84
tblVehicleEF	MCY	0.99	0.41
tblVehicleEF	MCY	0.29	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

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tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	2.52	0.83
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.76	0.84
tblVehicleEF	MCY	2.2880e-003	1.8409e-003
tblVehicleEF	MCY	6.1000e-004	3.5432e-004
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	3.16	0.91
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.91	0.91
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.15	0.13
tblVehicleEF	MCY	17.80	10.09
tblVehicleEF	MCY	10.05	7.32
tblVehicleEF	MCY	192.99	185.90
tblVehicleEF	MCY	41.24	37.51
tblVehicleEF	MCY	1.10	0.45
tblVehicleEF	MCY	0.31	0.08
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003

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tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	2.57	0.82
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	1.99	0.93
tblVehicleEF	MCY	2.3000e-003	1.8378e-003
tblVehicleEF	MCY	6.3500e-004	3.7086e-004
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	3.23	1.01
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	2.17	1.01
tblVehicleEF	MDV	3.5320e-003	1.5030e-003
tblVehicleEF	MDV	2.3900e-003	0.04
tblVehicleEF	MDV	0.54	0.57
tblVehicleEF	MDV	0.70	1.96
tblVehicleEF	MDV	349.46	336.58
tblVehicleEF	MDV	68.08	81.59
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.20

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tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	8.9320e-003	4.9205e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4930e-003	3.3259e-003
tblVehicleEF	MDV	6.9200e-004	8.0655e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	3.7530e-003	1.5524e-003
tblVehicleEF	MDV	2.1640e-003	0.04
tblVehicleEF	MDV	0.59	0.66
tblVehicleEF	MDV	0.63	1.69
tblVehicleEF	MDV	364.71	345.83

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tblVehicleEF	MDV	68.08	81.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.4810e-003	5.0313e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.6460e-003	3.4174e-003
tblVehicleEF	MDV	6.9000e-004	8.0179e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.18
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.17
tblVehicleEF	MDV	3.4590e-003	1.4898e-003
tblVehicleEF	MDV	2.4380e-003	0.04

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tblVehicleEF	MDV	0.52	0.54
tblVehicleEF	MDV	0.72	2.02
tblVehicleEF	MDV	343.85	333.17
tblVehicleEF	MDV	68.08	81.69
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.21
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.7540e-003	4.8872e-003
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4370e-003	3.2922e-003
tblVehicleEF	MDV	6.9200e-004	8.0759e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.06	0.18

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tblVehicleEF	MDV	0.04	0.20
tblVehicleEF	MH	3.6700e-003	2.6055e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.01	1.48
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.81
tblVehicleEF	MH	0.55	0.84
tblVehicleEF	MH	0.51	0.26
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1100e-004	1.7602e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31

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tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MH	3.7410e-003	2.6411e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.18	0.15
tblVehicleEF	MH	2.85	1.40
tblVehicleEF	MH	1,092.30	1,472.26
tblVehicleEF	MH	55.88	17.68
tblVehicleEF	MH	0.52	0.79
tblVehicleEF	MH	0.49	0.25
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.17	0.07
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	6.0800e-004	1.7475e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.19	0.07
tblVehicleEF	MH	3.6500e-003	2.5951e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.05	1.49
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.83
tblVehicleEF	MH	0.54	0.82
tblVehicleEF	MH	0.52	0.27
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.02

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tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1200e-004	1.7623e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9120e-003	4.4890e-003
tblVehicleEF	MHD	0.03	4.5326e-003
tblVehicleEF	MHD	0.34	0.42
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.75	0.42
tblVehicleEF	MHD	136.15	87.05
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.80
tblVehicleEF	MHD	0.34	0.43
tblVehicleEF	MHD	0.63	0.15
tblVehicleEF	MHD	10.41	0.71
tblVehicleEF	MHD	2.9000e-005	1.3504e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005

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tblVehicleEF	MHD	2.8000e-005	1.2869e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.03	3.6345e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.3100e-003	7.9613e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0700e-004	4.7466e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9230e-003	4.4938e-003
tblVehicleEF	MHD	0.03	4.3879e-003
tblVehicleEF	MHD	0.25	0.39
tblVehicleEF	MHD	0.19	0.05

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tblVehicleEF	MHD	2.61	0.40
tblVehicleEF	MHD	144.21	86.00
tblVehicleEF	MHD	1,112.76	638.82
tblVehicleEF	MHD	55.89	4.77
tblVehicleEF	MHD	0.35	0.41
tblVehicleEF	MHD	0.59	0.14
tblVehicleEF	MHD	10.40	0.71
tblVehicleEF	MHD	2.5000e-005	1.2078e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.4000e-005	1.1505e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.03	3.6499e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3860e-003	7.8620e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0500e-004	4.7131e-005

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tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9090e-003	4.4873e-003
tblVehicleEF	MHD	0.03	4.5560e-003
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.77	0.42
tblVehicleEF	MHD	125.01	88.51
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.81
tblVehicleEF	MHD	0.33	0.46
tblVehicleEF	MHD	0.61	0.15
tblVehicleEF	MHD	10.42	0.71
tblVehicleEF	MHD	3.6000e-005	1.5473e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	3.4000e-005	1.4753e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

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tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.03	3.6300e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.2060e-003	8.0982e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0800e-004	4.7532e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.21	0.03
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0500e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.58
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.70	1.47
tblVehicleEF	OBUS	103.85	76.48
tblVehicleEF	OBUS	1,218.06	1,004.07

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tblVehicleEF	OBUS	64.81	13.14
tblVehicleEF	OBUS	0.23	0.20
tblVehicleEF	OBUS	0.57	0.50
tblVehicleEF	OBUS	2.52	0.47
tblVehicleEF	OBUS	2.1000e-005	2.2252e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.0000e-005	2.1195e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	1.0020e-003	6.7346e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1300e-004	1.2994e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07

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tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0870e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.25	0.36
tblVehicleEF	OBUS	3.50	1.40
tblVehicleEF	OBUS	109.08	75.70
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.02
tblVehicleEF	OBUS	0.24	0.19
tblVehicleEF	OBUS	0.54	0.47
tblVehicleEF	OBUS	2.50	0.46
tblVehicleEF	OBUS	1.8000e-005	1.9686e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	1.7000e-005	1.8740e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	2.0300e-003	0.09

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tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.24	0.07
tblVehicleEF	OBUS	1.0520e-003	6.6604e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1000e-004	1.2867e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0390e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.74	1.48
tblVehicleEF	OBUS	96.64	77.56
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.17
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	0.56	0.49

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tblVehicleEF	OBUS	2.53	0.47
tblVehicleEF	OBUS	2.6000e-005	2.5796e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.5000e-005	2.4586e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	9.3400e-004	6.8370e-004
tblVehicleEF	OBUS	0.01	9.0558e-003
tblVehicleEF	OBUS	7.1400e-004	1.3015e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09

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tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6310e-003	1.10
tblVehicleEF	SBUS	0.05	5.1367e-003
tblVehicleEF	SBUS	9.81	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.60	0.58
tblVehicleEF	SBUS	934.27	222.10
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.05
tblVehicleEF	SBUS	1.78	0.34
tblVehicleEF	SBUS	0.82	0.30
tblVehicleEF	SBUS	9.47	0.19
tblVehicleEF	SBUS	1.3300e-004	6.3235e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.2700e-004	5.8330e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	3.0770e-003	0.00

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tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	9.2630e-003	7.2145e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9300e-004	4.0045e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6800e-003	1.10
tblVehicleEF	SBUS	0.04	4.6192e-003
tblVehicleEF	SBUS	9.78	2.75
tblVehicleEF	SBUS	0.27	3.49
tblVehicleEF	SBUS	5.36	0.48
tblVehicleEF	SBUS	969.91	221.89
tblVehicleEF	SBUS	978.89	880.52
tblVehicleEF	SBUS	67.79	3.88
tblVehicleEF	SBUS	1.83	0.34
tblVehicleEF	SBUS	0.78	0.28
tblVehicleEF	SBUS	9.44	0.19
tblVehicleEF	SBUS	1.1200e-004	6.2583e-004
tblVehicleEF	SBUS	0.74	0.04

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tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.0700e-004	5.7705e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	9.6030e-003	7.1948e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.7200e-004	3.8360e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.05	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6170e-003	1.10

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tblVehicleEF	SBUS	0.05	5.2104e-003
tblVehicleEF	SBUS	9.86	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.82	0.59
tblVehicleEF	SBUS	885.05	222.39
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.07
tblVehicleEF	SBUS	1.71	0.35
tblVehicleEF	SBUS	0.81	0.29
tblVehicleEF	SBUS	9.48	0.20
tblVehicleEF	SBUS	1.6200e-004	6.4136e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.5500e-004	5.9192e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.39	0.03

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tblVehicleEF	SBUS	8.7940e-003	7.2418e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9700e-004	4.0206e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.74	0.78
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.43	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.6366e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.41	1.63
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.69
tblVehicleEF	UBUS	1.33	8.8867e-003
tblVehicleEF	UBUS	12.15	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.6130e-003	0.02

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tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	0.10	2.1176e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5370e-003	9.5806e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.79	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.1407e-003
tblVehicleEF	UBUS	4.80	1.61
tblVehicleEF	UBUS	6.50	1.48
tblVehicleEF	UBUS	1,718.89	207.23
tblVehicleEF	UBUS	139.96	9.45
tblVehicleEF	UBUS	1.24	8.3293e-003
tblVehicleEF	UBUS	12.09	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003

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tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	0.10	2.1235e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.02
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5210e-003	9.3382e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	1.25	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.7267e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.58	1.65
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.72
tblVehicleEF	UBUS	1.30	8.7664e-003
tblVehicleEF	UBUS	12.16	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004

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tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	0.10	2.1162e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5400e-003	9.6140e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.80	0.03
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00

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tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	31.75
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	21.31
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00

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tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	33.73
tblVehicleTrips	WD_TR	8.96	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWoodstoves	NumberCatalytic	579.45	0.00
tblWoodstoves	NumberCatalytic	1,265.95	948.20
tblWoodstoves	NumberCatalytic	16.55	9.30
tblWoodstoves	NumberCatalytic	1,481.60	1,383.25
tblWoodstoves	NumberNoncatalytic	579.45	0.00
tblWoodstoves	NumberNoncatalytic	1,265.95	948.20
tblWoodstoves	NumberNoncatalytic	16.55	9.30
tblWoodstoves	NumberNoncatalytic	1,481.60	1,383.25
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
		Highest		

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	662.8022	24.8438	1,013.3839	0.8495		50.5109	50.5109		50.5109	50.5109	5,145.5703	15,858.8238	21,004.3941	16.5376	0.4375	21,548.2204
Energy	9.7412	84.0436	41.2961	0.5313		6.7303	6.7303		6.7303	6.7303	0.0000	143,812.4826	143,812.4826	12.2395	3.0270	145,020.5205
Mobile	401.1245	220.8812	2,874.7891	7.8671	930.2287	3.1407	933.3693	231.9867	2.9316	234.9183	0.0000	726,987.0069	726,987.0069	29.8200	0.0000	727,732.5078
Waste						0.0000	0.0000		0.0000	0.0000	19,121.8380	0.0000	19,121.8380	1,130.0683	0.0000	47,373.5443
Water						0.0000	0.0000		0.0000	0.0000	2,518.0296	10,397.8237	12,915.8533	260.9049	6.3830	21,340.6043
Total	1,073.6678	329.7686	3,929.4691	9.2479	930.2287	60.3818	990.6105	231.9867	60.1728	292.1595	26,785.4379	897,056.1370	923,841.5749	1,449.5703	9.8475	963,015.3973

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2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	662.8022	24.8438	1,013.3839	0.8495		50.5109	50.5109		50.5109	50.5109	5,145.5703	15,858.8238	21,004.3941	16.5376	0.4375	21,548.2204
Energy	9.7412	84.0436	41.2961	0.5313		6.7303	6.7303		6.7303	6.7303	0.0000	143,812.4826	143,812.4826	12.2395	3.0270	145,020.5205
Mobile	401.1245	220.8812	2,874.7891	7.8671	930.2287	3.1407	933.3693	231.9867	2.9316	234.9183	0.0000	726,987.0069	726,987.0069	29.8200	0.0000	727,732.5078
Waste						0.0000	0.0000		0.0000	0.0000	19,121.8380	0.0000	19,121.8380	1,130.0683	0.0000	47,373.5443
Water						0.0000	0.0000		0.0000	0.0000	2,518.0296	10,397.8237	12,915.8533	260.9049	6.3830	21,340.6043
Total	1,073.6678	329.7686	3,929.4691	9.2479	930.2287	60.3818	990.6105	231.9867	60.1728	292.1595	26,785.4379	897,056.1370	923,841.5749	1,449.5703	9.8475	963,015.3973

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

3.0 Construction Detail

Construction Phase

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2039	12/31/2038	5	0	
2	Architectural Coating	Architectural Coating	1/13/2039	1/12/2039	5	0	
3	Site Preparation	Site Preparation	5/1/2039	4/29/2039	5	0	
4	Grading	Grading	5/1/2039	4/29/2039	5	0	
5	Building Construction	Building Construction	9/29/2039	9/28/2039	5	0	
6	Paving	Paving	11/14/2039	11/13/2039	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 187,373,655; Residential Outdoor: 62,457,885; Non-Residential Indoor: 43,827,000; Non-Residential Outdoor: 14,609,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

3.7 Paving - 2039

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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	401.1245	220.8812	2,874.7891	7.8671	930.2287	3.1407	933.3693	231.9867	2.9316	234.9183	0.0000	726,987.0069	726,987.0069	29.8200	0.0000	727,732.5078
Unmitigated	401.1245	220.8812	2,874.7891	7.8671	930.2287	3.1407	933.3693	231.9867	2.9316	234.9183	0.0000	726,987.0069	726,987.0069	29.8200	0.0000	727,732.5078

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	999,487.36	940,816.00	631,457.92	2,698,837,164	2,698,837,164
University/College (4Yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	999,487.36	940,816.00	631,457.92	2,698,837,164	2,698,837,164

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4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Congregate Care (Assisted Living)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Elementary School	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Government Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hospital	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hotel	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Industrial Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Mobile Home Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Regional Shopping Center	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Single Family Housing	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
University/College (4Yr)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Unrefrigerated Warehouse-No Rail	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive 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	47,408.4800	47,408.4800	10.3918	1.2596	48,043.6371
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	47,408.4800	47,408.4800	10.3918	1.2596	48,043.6371
NaturalGas Mitigated	9.7412	84.0436	41.2961	0.5313		6.7303	6.7303		6.7303	6.7303	0.0000	96,404.0026	96,404.0026	1.8477	1.7674	96,976.8834
NaturalGas Unmitigated	9.7412	84.0436	41.2961	0.5313		6.7303	6.7303		6.7303	6.7303	0.0000	96,404.0026	96,404.0026	1.8477	1.7674	96,976.8834

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Apartments Low Rise	1.83939e+008	0.9918	8.4756	3.6066	0.0541		0.6853	0.6853		0.6853	0.6853	0.0000	9,815.6786	9,815.6786	0.1881	0.1800	9,874.0082
Apartments Mid Rise	4.05787e+008	2.1881	18.6981	7.9566	0.1194		1.5118	1.5118		1.5118	1.5118	0.0000	21,654.3589	21,654.3589	0.4150	0.3970	21,783.0399
City Park	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
Congregate Care (Assisted Living)	4.32504e+006	0.0233	0.1993	0.0848	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	230.8007	230.8007	4.4200e-003	4.2300e-003	232.1722
Elementary School	5.37487e+007	0.2898	2.6347	2.2132	0.0158		0.2002	0.2002		0.2002	0.2002	0.0000	2,868.2362	2,868.2362	0.0550	0.0526	2,885.2807
General Office Building	2.01139e+007	0.1085	0.9860	0.8282	5.9200e-003		0.0749	0.0749		0.0749	0.0749	0.0000	1,073.3564	1,073.3564	0.0206	0.0197	1,079.7349
Government Office Building	1.30163e+007	0.0702	0.6381	0.5360	3.8300e-003		0.0485	0.0485		0.0485	0.0485	0.0000	694.5996	694.5996	0.0133	0.0127	698.7272
Hospital	3.252e+007	0.1754	1.5941	1.3391	9.5600e-003		0.1212	0.1212		0.1212	0.1212	0.0000	1,735.3910	1,735.3910	0.0333	0.0318	1,745.7036
Hotel	7.17133e+007	0.3867	3.5154	2.9529	0.0211		0.2672	0.2672		0.2672	0.2672	0.0000	3,826.8972	3,826.8972	0.0734	0.0702	3,849.6386
Industrial Park	6.19e+007	0.3338	3.0343	2.5488	0.0182		0.2306	0.2306		0.2306	0.2306	0.0000	3,303.2178	3,303.2178	0.0633	0.0606	3,322.8472
Mobile Home Park	3.42721e+007	0.1848	1.5792	0.6720	0.0101		0.1277	0.1277		0.1277	0.1277	0.0000	1,828.8899	1,828.8899	0.0351	0.0335	1,839.7581
Regional Shopping Center	1.42734e+007	0.0770	0.6997	0.5877	4.2000e-003		0.0532	0.0532		0.0532	0.0532	0.0000	761.6836	761.6836	0.0146	0.0140	766.2099
Single Family Housing	9.05893e+008	4.8847	41.7421	17.7626	0.2664		3.3749	3.3749		3.3749	3.3749	0.0000	48,341.8955	48,341.8955	0.9266	0.8863	48,629.1673
University/College (4Yr)	2.83632e+006	0.0153	0.1390	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.3571	151.3571	2.9000e-003	2.7700e-003	152.2565
Unrefrigerated Warehouse-No Rail	2.20449e+006	0.0119	0.1081	0.0908	6.5000e-004		8.2100e-003	8.2100e-003		8.2100e-003	8.2100e-003	0.0000	117.6401	117.6401	2.2500e-003	2.1600e-003	118.3392
Total		9.7412	84.0436	41.2961	0.5313		6.7303	6.7303		6.7303	6.7303	0.0000	96,404.0026	96,404.0026	1.8477	1.7674	96,976.8834

5.2 Energy by Land Use - NaturalGas

Mitigated

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	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					
Apartments Low Rise	1.83939e+008	0.9918	8.4756	3.6066	0.0541		0.6853	0.6853		0.6853	0.6853	0.0000	9,815.6786	9,815.6786	0.1881	0.1800	9,874.0082
Apartments Mid Rise	4.05787e+008	2.1881	18.6981	7.9566	0.1194		1.5118	1.5118		1.5118	1.5118	0.0000	21,654.3589	21,654.3589	0.4150	0.3970	21,783.0399
City Park	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
Congregate Care (Assisted Living)	4.32504e+006	0.0233	0.1993	0.0848	1.2700e-003		0.0161	0.0161		0.0161	0.0161	0.0000	230.8007	230.8007	4.4200e-003	4.2300e-003	232.1722
Elementary School	5.37487e+007	0.2898	2.6347	2.2132	0.0158		0.2002	0.2002		0.2002	0.2002	0.0000	2,868.2362	2,868.2362	0.0550	0.0526	2,885.2807
General Office Building	2.01139e+007	0.1085	0.9860	0.8282	5.9200e-003		0.0749	0.0749		0.0749	0.0749	0.0000	1,073.3564	1,073.3564	0.0206	0.0197	1,079.7349
Government Office Building	1.30163e+007	0.0702	0.6381	0.5360	3.8300e-003		0.0485	0.0485		0.0485	0.0485	0.0000	694.5996	694.5996	0.0133	0.0127	698.7272
Hospital	3.252e+007	0.1754	1.5941	1.3391	9.5600e-003		0.1212	0.1212		0.1212	0.1212	0.0000	1,735.3910	1,735.3910	0.0333	0.0318	1,745.7036
Hotel	7.17133e+007	0.3867	3.5154	2.9529	0.0211		0.2672	0.2672		0.2672	0.2672	0.0000	3,826.8972	3,826.8972	0.0734	0.0702	3,849.6386
Industrial Park	6.19e+007	0.3338	3.0343	2.5488	0.0182		0.2306	0.2306		0.2306	0.2306	0.0000	3,303.2178	3,303.2178	0.0633	0.0606	3,322.8472
Mobile Home Park	3.42721e+007	0.1848	1.5792	0.6720	0.0101		0.1277	0.1277		0.1277	0.1277	0.0000	1,828.8899	1,828.8899	0.0351	0.0335	1,839.7581
Regional Shopping Center	1.42734e+007	0.0770	0.6997	0.5877	4.2000e-003		0.0532	0.0532		0.0532	0.0532	0.0000	761.6836	761.6836	0.0146	0.0140	766.2099
Single Family Housing	9.05893e+008	4.8847	41.7421	17.7626	0.2664		3.3749	3.3749		3.3749	3.3749	0.0000	48,341.8955	48,341.8955	0.9266	0.8863	48,629.1673
University/College (4Yr)	2.83632e+006	0.0153	0.1390	0.1168	8.3000e-004		0.0106	0.0106		0.0106	0.0106	0.0000	151.3571	151.3571	2.9000e-003	2.7700e-003	152.2565
Unrefrigerated Warehouse-No Rail	2.20449e+006	0.0119	0.1081	0.0908	6.5000e-004		8.2100e-003	8.2100e-003		8.2100e-003	8.2100e-003	0.0000	117.6401	117.6401	2.2500e-003	2.1600e-003	118.3392
Total		9.7412	84.0436	41.2961	0.5313		6.7303	6.7303		6.7303	6.7303	0.0000	96,404.0026	96,404.0026	1.8477	1.7674	96,976.8834

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5.3 Energy by Land Use - Electricity

Unmitigated

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	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	4.67955e+007	3,195.5835	0.7005	0.0849	3,238.3965
Apartments Mid Rise	9.7706e+007	6,672.1811	1.4625	0.1773	6,761.5720
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	1.27413e+006	87.0085	0.0191	2.3100e-003	88.1742
Elementary School	3.01947e+007	2,061.9486	0.4520	0.0548	2,089.5736
General Office Building	2.46571e+007	1,683.7888	0.3691	0.0447	1,706.3474
Government Office Building	1.59563e+007	1,089.6277	0.2388	0.0290	1,104.2261
Hospital	1.165e+007	795.5591	0.1744	0.0211	806.2176
Hotel	2.20448e+007	1,505.4004	0.3300	0.0400	1,525.5690
Industrial Park	7.58812e+007	5,181.8026	1.1358	0.1377	5,251.2260
Mobile Home Park	8.61943e+006	588.6065	0.1290	0.0156	596.4924
Regional Shopping Center	1.15232e+008	7,868.9800	1.7249	0.2091	7,974.4050
Single Family Housing	2.33212e+008	15,925.6677	3.4909	0.4231	16,139.0325
University/College (4Yr)	1.05867e+006	72.2949	0.0159	1.9200e-003	73.2635
Unrefrigerated Warehouse-No Rail	9.95823e+006	680.0307	0.1491	0.0181	689.1414
Total		47,408.4800	10.3918	1.2596	48,043.6371

5.3 Energy by Land Use - Electricity

Mitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Apartments Low Rise	4.67955e+007	3,195.5835	0.7005	0.0849	3,238.3965
Apartments Mid Rise	9.7706e+007	6,672.1811	1.4625	0.1773	6,761.5720
City Park	0	0.0000	0.0000	0.0000	0.0000
Congregate Care (Assisted Living)	1.27413e+006	87.0085	0.0191	2.3100e-003	88.1742
Elementary School	3.01947e+007	2,061.9486	0.4520	0.0548	2,089.5736
General Office Building	2.46571e+007	1,683.7888	0.3691	0.0447	1,706.3474
Government Office Building	1.59563e+007	1,089.6277	0.2388	0.0290	1,104.2261
Hospital	1.165e+007	795.5591	0.1744	0.0211	806.2176
Hotel	2.20448e+007	1,505.4004	0.3300	0.0400	1,525.5690
Industrial Park	7.58812e+007	5,181.8026	1.1358	0.1377	5,251.2260
Mobile Home Park	8.61943e+006	588.6065	0.1290	0.0156	596.4924
Regional Shopping Center	1.15232e+008	7,868.9800	1.7249	0.2091	7,974.4050
Single Family Housing	2.33212e+008	15,925.6677	3.4909	0.4231	16,139.0325
University/College (4Yr)	1.05867e+006	72.2949	0.0159	1.9200e-003	73.2635
Unrefrigerated Warehouse-No Rail	9.95823e+006	680.0307	0.1491	0.0181	689.1414
Total		47,408.4800	10.3918	1.2596	48,043.6371

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6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	662.8022	24.8438	1,013.3839	0.8495		50.5109	50.5109		50.5109	50.5109	5,145.5703	15,858.8238	21,004.3941	16.5376	0.4375	21,548.2204
Unmitigated	662.8022	24.8438	1,013.3839	0.8495		50.5109	50.5109		50.5109	50.5109	5,145.5703	15,858.8238	21,004.3941	16.5376	0.4375	21,548.2204

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6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	42.4918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	440.0826					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	159.1593	16.7226	309.7169	0.8121		46.5922	46.5922		46.5922	46.5922	5,145.5703	14,704.2093	19,849.7796	15.4374	0.4375	20,366.1018
Landscaping	21.0685	8.1212	703.6671	0.0373		3.9187	3.9187		3.9187	3.9187	0.0000	1,154.6145	1,154.6145	1.1002	0.0000	1,182.1185
Total	662.8022	24.8438	1,013.3839	0.8495		50.5109	50.5109		50.5109	50.5109	5,145.5703	15,858.8238	21,004.3941	16.5376	0.4375	21,548.2204

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	42.4918					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	440.0826					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	159.1593	16.7226	309.7169	0.8121		46.5922	46.5922		46.5922	46.5922	5,145.5703	14,704.2093	19,849.7796	15.4374	0.4375	20,366.1018
Landscaping	21.0685	8.1212	703.6671	0.0373		3.9187	3.9187		3.9187	3.9187	0.0000	1,154.6145	1,154.6145	1.1002	0.0000	1,182.1185
Total	662.8022	24.8438	1,013.3839	0.8495		50.5109	50.5109		50.5109	50.5109	5,145.5703	15,858.8238	21,004.3941	16.5376	0.4375	21,548.2204

7.0 Water Detail

7.1 Mitigation Measures Water

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	12,915.85 33	260.9049	6.3830	21,340.60 43
Unmitigated	12,915.85 33	260.9049	6.3830	21,340.60 43

7.2 Water by Land Use

Unmitigated

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	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	755.07 / 476.022	1,272.094 1	24.8303	0.6084	2,074.150 8
Apartments Mid Rise	1649.63 / 1039.99	2,779.200 1	54.2479	1.3292	4,531.488 8
City Park	0 / 423.333	321.1760	0.0704	8.5300e-003	325.4789
Congregate Care (Assisted Living)	21.566 / 13.5959	36.3330	0.7092	0.0174	59.2410
Elementary School	150.439 / 386.843	474.9862	4.9957	0.1271	637.7547
General Office Building	345.07 / 211.495	576.7624	11.3465	0.2779	943.2441
Government Office Building	249.596 / 152.978	417.1837	8.2072	0.2010	682.2672
Hospital	62.7403 / 11.9505	84.7588	2.0586	0.0500	151.1227
Hotel	52.6868 / 5.85409	68.0046	1.7280	0.0419	123.6919
Industrial Park	1381.7 / 0	1,666.927 7	45.2919	1.0957	3,125.749 9
Mobile Home Park	106.071 / 66.8707	178.7013	3.4881	0.0855	291.3726
Regional Shopping Center	644.675 / 395.124	1,077.533 4	21.1981	0.5192	1,762.211 0
Single Family Housing	1930.64 / 1217.15	3,252.626 8	63.4888	1.5556	5,303.411 6
University/College (4Yr)	1.10172 / 1.72321	2.6365	0.0364	9.1000e-004	3.8173
Unrefrigerated Warehouse-No Rail	585.964 / 0	706.9287	19.2079	0.4647	1,325.601 7
Total		12,915.85 33	260.9050	6.3830	21,340.60 43

7.2 Water by Land Use

Mitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Apartments Low Rise	755.07 / 476.022	1,272.094 1	24.8303	0.6084	2,074.150 8
Apartments Mid Rise	1649.63 / 1039.99	2,779.200 1	54.2479	1.3292	4,531.488 8
City Park	0 / 423.333	321.1760	0.0704	8.5300e-003	325.4789
Congregate Care (Assisted Living)	21.566 / 13.5959	36.3330	0.7092	0.0174	59.2410
Elementary School	150.439 / 386.843	474.9862	4.9957	0.1271	637.7547
General Office Building	345.07 / 211.495	576.7624	11.3465	0.2779	943.2441
Government Office Building	249.596 / 152.978	417.1837	8.2072	0.2010	682.2672
Hospital	62.7403 / 11.9505	84.7588	2.0586	0.0500	151.1227
Hotel	52.6868 / 5.85409	68.0046	1.7280	0.0419	123.6919
Industrial Park	1381.7 / 0	1,666.927 7	45.2919	1.0957	3,125.749 9
Mobile Home Park	106.071 / 66.8707	178.7013	3.4881	0.0855	291.3726
Regional Shopping Center	644.675 / 395.124	1,077.533 4	21.1981	0.5192	1,762.211 0
Single Family Housing	1930.64 / 1217.15	3,252.626 8	63.4888	1.5556	5,303.411 6
University/College (4Yr)	1.10172 / 1.72321	2.6365	0.0364	9.1000e-004	3.8173
Unrefrigerated Warehouse-No Rail	585.964 / 0	706.9287	19.2079	0.4647	1,325.601 7
Total		12,915.85 33	260.9050	6.3830	21,340.60 43

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

8.0 Waste Detail

8.1 Mitigation Measures Waste

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	19,121.83 80	1,130.068 3	0.0000	47,373.54 43
Unmitigated	19,121.83 80	1,130.068 3	0.0000	47,373.54 43

8.2 Waste by Land Use

Unmitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	5330.94	1,082.1326	63.9522	0.0000	2,680.9378
Apartments Mid Rise	11646.7	2,364.1830	139.7192	0.0000	5,857.1632
City Park	30.56	6.2034	0.3666	0.0000	15.3687
Congregate Care (Assisted Living)	302.04	61.3114	3.6234	0.0000	151.8964
Elementary School	6744.53	1,369.0786	80.9102	0.0000	3,391.8344
General Office Building	1805.6	366.5205	21.6607	0.0000	908.0390
Government Office Building	1168.45	237.1848	14.0172	0.0000	587.6153
Hospital	5400	1,096.1512	64.7807	0.0000	2,715.6682
Hotel	1137.16	230.8332	13.6419	0.0000	571.8795
Industrial Park	7408.88	1,503.9357	88.8801	0.0000	3,725.9370
Mobile Home Park	748.88	152.0159	8.9839	0.0000	376.6129
Regional Shopping Center	9138.47	1,855.0268	109.6289	0.0000	4,595.7504
Single Family Housing	40849.1	8,292.0022	490.0433	0.0000	20,543.0845
University/College (4Yr)	107.2	21.7606	1.2860	0.0000	53.9110
Unrefrigerated Warehouse-No Rail	2381.87	483.4981	28.5739	0.0000	1,197.8460
Total		19,121.8380	1,130.0683	0.0000	47,373.5443

8.2 Waste by Land Use

Mitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Apartments Low Rise	5330.94	1,082.1326	63.9522	0.0000	2,680.9378
Apartments Mid Rise	11646.7	2,364.1830	139.7192	0.0000	5,857.1632
City Park	30.56	6.2034	0.3666	0.0000	15.3687
Congregate Care (Assisted Living)	302.04	61.3114	3.6234	0.0000	151.8964
Elementary School	6744.53	1,369.0786	80.9102	0.0000	3,391.8344
General Office Building	1805.6	366.5205	21.6607	0.0000	908.0390
Government Office Building	1168.45	237.1848	14.0172	0.0000	587.6153
Hospital	5400	1,096.1512	64.7807	0.0000	2,715.6682
Hotel	1137.16	230.8332	13.6419	0.0000	571.8795
Industrial Park	7408.88	1,503.9357	88.8801	0.0000	3,725.9370
Mobile Home Park	748.88	152.0159	8.9839	0.0000	376.6129
Regional Shopping Center	9138.47	1,855.0268	109.6289	0.0000	4,595.7504
Single Family Housing	40849.1	8,292.0022	490.0433	0.0000	20,543.0845
University/College (4Yr)	107.2	21.7606	1.2860	0.0000	53.9110
Unrefrigerated Warehouse-No Rail	2381.87	483.4981	28.5739	0.0000	1,197.8460
Total		19,121.8380	1,130.0683	0.0000	47,373.5443

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Annual

9.0 Operational Offroad

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

Fire Pumps and Emergency Generators

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

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

User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

Garden Grove FGPUZA (Proposed General Plan Update; 2040)
Los Angeles-South Coast County, Summer

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,941.50	1000sqft	36.80	1,941,500.00	0
Government Office Building	1,256.40	1000sqft	68.70	1,256,400.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,188.10	1000sqft	702.90	5,188,100.00	0
University/College (4Yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	5,974.90	1000sqft	599.40	5,974,900.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	355.30	Acre	355.30	15,476,868.00	0
Hotel	2,077.00	Room	77.90	3,015,700.00	0
Apartments Low Rise	11,589.00	Dwelling Unit	295.00	11,589,000.00	40970
Apartments Mid Rise	25,319.00	Dwelling Unit	978.20	25,319,000.00	90689
Congregate Care (Assisted Living)	331.00	Dwelling Unit	10.40	331,000.00	1186
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	29,632.00	Dwelling Unit	4,751.70	53,337,600.00	99632
Regional Shopping Center	8,703.30	1000sqft	673.60	8,703,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2040		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

CO2 Intensity 150.55 **CH4 Intensity** 0.033 **N2O Intensity** 0.004
(lb/MW hr) **(lb/MW hr)** **(lb/MW hr)**

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors adjusted to reflect estimated SCE 2040 energy mix.

Land Use - EIR PD; Table 3-2 and Table 3-3. ROW space not modeled. MHP taken out of SFR.

Construction Phase - Future operational run. No construction emissions modeled.

Vehicle Trips - Trip rates derived from a default CalEEMod run for specified land uses. Avg trip distance adjusted based on avg CalEEMod trip distance and F&P estimates that were annualized.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445. Modling assumes existing development would retain stoves / hearths per default values.

Energy Use - Apt low-rise, hotel, and con care are built to 2019 T24. Hosp, uni, and wareh remain at 2013 T24. Remaining LU see minor imp's to, on avg, meet 2016 T24. Factors obtained from CMod v2020.4.0; adj using CalEEMod Apndx E5, Tbl 1, 3, 4.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	257.27	54.80
tblEnergyUse	T24E	252.63	63.46
tblEnergyUse	T24E	252.63	53.81
tblEnergyUse	T24E	1.74	1.64
tblEnergyUse	T24E	4.60	4.31

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblEnergyUse	T24E	4.60	4.31
tblEnergyUse	T24E	9.96	10.44
tblEnergyUse	T24E	2.55	2.28
tblEnergyUse	T24E	4.60	4.31
tblEnergyUse	T24E	221.74	251.15
tblEnergyUse	T24E	4.01	3.75
tblEnergyUse	T24E	443.48	105.47
tblEnergyUse	T24E	3.04	3.18
tblEnergyUse	T24E	0.65	0.68
tblEnergyUse	T24NG	9,955.77	9,487.85
tblEnergyUse	T24NG	7,012.17	9,642.99
tblEnergyUse	T24NG	7,012.17	6,682.59
tblEnergyUse	T24NG	9.32	9.28
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	54.94	55.22
tblEnergyUse	T24NG	19.92	19.72
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	11,587.45	14,667.66
tblEnergyUse	T24NG	21,090.59	24,187.44
tblEnergyUse	T24NG	26.49	26.63
tblFireplaces	NumberGas	9,850.65	11,589.00
tblFireplaces	NumberGas	21,521.15	22,474.40
tblFireplaces	NumberGas	281.35	303.10
tblFireplaces	NumberGas	25,187.20	25,482.25
tblFireplaces	NumberNoFireplace	1,158.90	0.00
tblFireplaces	NumberNoFireplace	2,531.90	1,896.40

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDA	0.54	0.52
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
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tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT1	0.04	0.07
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20
tblFleetMix	LDT2	0.21	0.20

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblGrading	AcresOfGrading	0.00	38,750.00
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	3,015,804.00	3,015,700.00
tblLandUse	LotAcreage	44.57	36.80
tblLandUse	LotAcreage	28.84	68.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	119.10	702.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	137.16	599.40
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	69.23	77.90
tblLandUse	LotAcreage	724.31	295.00
tblLandUse	LotAcreage	666.29	978.20
tblLandUse	LotAcreage	20.69	10.40
tblLandUse	LotAcreage	205.09	133.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblLandUse	LotAcreage	9,620.78	4,751.70
tblLandUse	LotAcreage	199.80	673.60
tblLandUse	Population	33,145.00	40,970.00
tblLandUse	Population	72,412.00	90,689.00
tblLandUse	Population	947.00	1,186.00
tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	84,748.00	99,632.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	150.55
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleEF	HHD	0.34	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0190e-008
tblVehicleEF	HHD	1.44	4.34
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.84	1.3322e-003
tblVehicleEF	HHD	4,208.88	568.97
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.06	3.22
tblVehicleEF	HHD	1.74	0.96
tblVehicleEF	HHD	19.25	2.09
tblVehicleEF	HHD	1.8470e-003	1.3544e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	1.7670e-003	1.2895e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.37	0.27
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.09	8.8519e-003
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.0405e-007
tblVehicleEF	HHD	0.04	4.9062e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2514e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.19	1.4958e-007
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.2341e-007
tblVehicleEF	HHD	0.32	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	3.8603e-008
tblVehicleEF	HHD	1.05	4.29
tblVehicleEF	HHD	1.09	0.28

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tblVehicleEF	HHD	3.64	1.2696e-003
tblVehicleEF	HHD	4,458.94	562.36
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.45	3.07
tblVehicleEF	HHD	1.65	0.91
tblVehicleEF	HHD	19.24	2.09
tblVehicleEF	HHD	1.5570e-003	1.2197e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.4900e-003	1.1606e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.35	0.28
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.09	8.8531e-003
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.06	1.9651e-007
tblVehicleEF	HHD	0.04	4.8436e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7500e-004	1.2416e-007

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.41	0.44
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.19	1.4405e-007
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.07	2.1515e-007
tblVehicleEF	HHD	0.37	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0566e-008
tblVehicleEF	HHD	1.99	4.41
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.87	1.3441e-003
tblVehicleEF	HHD	3,863.57	578.10
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	11.52	3.44
tblVehicleEF	HHD	1.71	0.95
tblVehicleEF	HHD	19.26	2.09
tblVehicleEF	HHD	2.2480e-003	1.5404e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	2.1500e-003	1.4675e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.40	0.25
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.09	8.8515e-003
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.0579e-007
tblVehicleEF	HHD	0.04	4.9926e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2532e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.47	0.39
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.19	1.5086e-007
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.2532e-007
tblVehicleEF	LDA	1.6050e-003	9.0428e-004
tblVehicleEF	LDA	6.9200e-004	0.03
tblVehicleEF	LDA	0.28	0.41
tblVehicleEF	LDA	0.33	1.41
tblVehicleEF	LDA	180.22	204.84
tblVehicleEF	LDA	35.70	50.22
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	4.0400e-003	2.6786e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.3260e-003	0.12
tblVehicleEF	LDA	1.8030e-003	2.0250e-003
tblVehicleEF	LDA	3.6200e-004	4.9644e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.8710e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	1.7110e-003	9.3417e-004
tblVehicleEF	LDA	6.1700e-004	0.03
tblVehicleEF	LDA	0.31	0.48
tblVehicleEF	LDA	0.29	1.22
tblVehicleEF	LDA	188.67	213.45

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDA	35.70	49.88
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.3030e-003	2.7396e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	8.3160e-003	0.10
tblVehicleEF	LDA	1.8870e-003	2.1101e-003
tblVehicleEF	LDA	3.6100e-004	4.9310e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.2530e-003	0.11
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.1050e-003	0.11
tblVehicleEF	LDA	1.5710e-003	8.9629e-004
tblVehicleEF	LDA	7.0700e-004	0.03

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tblVehicleEF	LDA	0.27	0.39
tblVehicleEF	LDA	0.34	1.45
tblVehicleEF	LDA	177.14	201.67
tblVehicleEF	LDA	35.70	50.29
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	3.9560e-003	2.6603e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.5390e-003	0.12
tblVehicleEF	LDA	1.7720e-003	1.9936e-003
tblVehicleEF	LDA	3.6200e-004	4.9717e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.7470e-003	0.13
tblVehicleEF	LDA	0.03	0.13

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tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDT1	2.5660e-003	1.4253e-003
tblVehicleEF	LDT1	1.3400e-003	0.04
tblVehicleEF	LDT1	0.41	0.56
tblVehicleEF	LDT1	0.50	1.83
tblVehicleEF	LDT1	233.64	268.68
tblVehicleEF	LDT1	46.68	65.96
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.3640e-003	4.7648e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.3390e-003	2.6562e-003
tblVehicleEF	LDT1	4.7400e-004	6.5213e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.2810e-003	0.18
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT1	2.7280e-003	1.4718e-003
tblVehicleEF	LDT1	1.1960e-003	0.04
tblVehicleEF	LDT1	0.45	0.65
tblVehicleEF	LDT1	0.43	1.58
tblVehicleEF	LDT1	244.10	278.52
tblVehicleEF	LDT1	46.68	65.52
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.7650e-003	4.8734e-003
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.15
tblVehicleEF	LDT1	2.4440e-003	2.7534e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	4.7300e-004	6.4771e-004
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.8660e-003	0.16
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.5140e-003	1.4128e-003
tblVehicleEF	LDT1	1.3710e-003	0.04
tblVehicleEF	LDT1	0.39	0.52
tblVehicleEF	LDT1	0.52	1.88
tblVehicleEF	LDT1	229.79	265.05
tblVehicleEF	LDT1	46.68	66.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.2330e-003	4.7322e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	2.3000e-003	2.6203e-003
tblVehicleEF	LDT1	4.7500e-004	6.5309e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.0910e-003	0.18
tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT2	2.4720e-003	1.4008e-003
tblVehicleEF	LDT2	1.1960e-003	0.04
tblVehicleEF	LDT2	0.44	0.55
tblVehicleEF	LDT2	0.50	1.94
tblVehicleEF	LDT2	263.09	281.67
tblVehicleEF	LDT2	52.31	68.54
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.19
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.22

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.1610e-003	4.4385e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.6330e-003	2.7842e-003
tblVehicleEF	LDT2	5.3100e-004	6.7756e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.9750e-003	0.18
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	2.6290e-003	1.4468e-003
tblVehicleEF	LDT2	1.1030e-003	0.04
tblVehicleEF	LDT2	0.48	0.64
tblVehicleEF	LDT2	0.45	1.68
tblVehicleEF	LDT2	274.92	291.08
tblVehicleEF	LDT2	52.31	68.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	6.5480e-003	4.5386e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.01	0.15
tblVehicleEF	LDT2	2.7520e-003	2.8772e-003
tblVehicleEF	LDT2	5.3000e-004	6.7287e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.5400e-003	0.16
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.4210e-003	1.3885e-003
tblVehicleEF	LDT2	1.2160e-003	0.04
tblVehicleEF	LDT2	0.42	0.52
tblVehicleEF	LDT2	0.51	2.00
tblVehicleEF	LDT2	258.75	278.20
tblVehicleEF	LDT2	52.31	68.64
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.20
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.0350e-003	4.4085e-003
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.17
tblVehicleEF	LDT2	2.5890e-003	2.7499e-003
tblVehicleEF	LDT2	5.3100e-004	6.7859e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.7900e-003	0.18
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LHD1	2.6220e-003	2.6823e-003
tblVehicleEF	LHD1	1.9460e-003	7.4228e-004
tblVehicleEF	LHD1	3.8680e-003	9.0978e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.91	1.36
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	20.48	10.36
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.30	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0244e-004
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.02

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6907e-003
tblVehicleEF	LHD1	1.9570e-003	1.1829e-003
tblVehicleEF	LHD1	3.7260e-003	8.8242e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.88	1.31
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.37
tblVehicleEF	LHD1	20.48	10.27
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.29	0.17
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	1.2690e-003	0.06

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2000e-004	1.0157e-004
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6806e-003
tblVehicleEF	LHD1	1.9430e-003	1.1751e-003
tblVehicleEF	LHD1	3.8970e-003	9.1541e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.92	1.37
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.38
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD1	0.31	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0258e-004
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.07	0.08

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tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD2	2.1650e-003	1.5352e-003
tblVehicleEF	LHD2	1.7850e-003	1.2176e-003
tblVehicleEF	LHD2	2.0410e-003	4.7343e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.80	0.76
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.67
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.16
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.9300e-004	0.00

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tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6041e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5396e-003
tblVehicleEF	LHD2	1.7940e-003	1.2196e-003
tblVehicleEF	LHD2	2.0290e-003	4.5923e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.77	0.73
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.20
tblVehicleEF	LHD2	21.11	5.62
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07

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tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.5558e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5343e-003
tblVehicleEF	LHD2	1.7830e-003	1.2172e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	LHD2	2.0440e-003	4.7635e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.81	0.77
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.68
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02

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tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6117e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.14	0.13
tblVehicleEF	MCY	17.71	10.13
tblVehicleEF	MCY	9.88	7.18
tblVehicleEF	MCY	192.99	185.97
tblVehicleEF	MCY	41.24	37.25
tblVehicleEF	MCY	1.13	0.46
tblVehicleEF	MCY	0.31	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.10	1.79

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	2.56	0.82
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	1.95	0.91
tblVehicleEF	MCY	2.2990e-003	1.8385e-003
tblVehicleEF	MCY	6.3100e-004	3.6823e-004
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	3.22	1.00
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	2.13	1.00
tblVehicleEF	MCY	0.55	0.14
tblVehicleEF	MCY	0.13	0.12
tblVehicleEF	MCY	17.14	10.26
tblVehicleEF	MCY	8.95	6.46
tblVehicleEF	MCY	192.99	186.21
tblVehicleEF	MCY	41.24	35.84
tblVehicleEF	MCY	0.99	0.41
tblVehicleEF	MCY	0.29	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	2.52	0.83
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.76	0.84
tblVehicleEF	MCY	2.2880e-003	1.8409e-003
tblVehicleEF	MCY	6.1000e-004	3.5432e-004
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	3.16	0.91
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.91	0.91
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.15	0.13
tblVehicleEF	MCY	17.80	10.09
tblVehicleEF	MCY	10.05	7.32
tblVehicleEF	MCY	192.99	185.90
tblVehicleEF	MCY	41.24	37.51
tblVehicleEF	MCY	1.10	0.45
tblVehicleEF	MCY	0.31	0.08
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	2.57	0.82
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	1.99	0.93
tblVehicleEF	MCY	2.3000e-003	1.8378e-003
tblVehicleEF	MCY	6.3500e-004	3.7086e-004
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	3.23	1.01
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	2.17	1.01
tblVehicleEF	MDV	3.5320e-003	1.5030e-003
tblVehicleEF	MDV	2.3900e-003	0.04
tblVehicleEF	MDV	0.54	0.57
tblVehicleEF	MDV	0.70	1.96
tblVehicleEF	MDV	349.46	336.58
tblVehicleEF	MDV	68.08	81.59
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.20

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	8.9320e-003	4.9205e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4930e-003	3.3259e-003
tblVehicleEF	MDV	6.9200e-004	8.0655e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	3.7530e-003	1.5524e-003
tblVehicleEF	MDV	2.1640e-003	0.04
tblVehicleEF	MDV	0.59	0.66
tblVehicleEF	MDV	0.63	1.69
tblVehicleEF	MDV	364.71	345.83

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tblVehicleEF	MDV	68.08	81.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.4810e-003	5.0313e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.6460e-003	3.4174e-003
tblVehicleEF	MDV	6.9000e-004	8.0179e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.18
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.17
tblVehicleEF	MDV	3.4590e-003	1.4898e-003
tblVehicleEF	MDV	2.4380e-003	0.04

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.52	0.54
tblVehicleEF	MDV	0.72	2.02
tblVehicleEF	MDV	343.85	333.17
tblVehicleEF	MDV	68.08	81.69
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.21
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.7540e-003	4.8872e-003
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4370e-003	3.2922e-003
tblVehicleEF	MDV	6.9200e-004	8.0759e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.06	0.18

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MDV	0.04	0.20
tblVehicleEF	MH	3.6700e-003	2.6055e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.01	1.48
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.81
tblVehicleEF	MH	0.55	0.84
tblVehicleEF	MH	0.51	0.26
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1100e-004	1.7602e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MH	3.7410e-003	2.6411e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.18	0.15
tblVehicleEF	MH	2.85	1.40
tblVehicleEF	MH	1,092.30	1,472.26
tblVehicleEF	MH	55.88	17.68
tblVehicleEF	MH	0.52	0.79
tblVehicleEF	MH	0.49	0.25
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.17	0.07
tblVehicleEF	MH	0.01	0.01

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	MH	6.0800e-004	1.7475e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.19	0.07
tblVehicleEF	MH	3.6500e-003	2.5951e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.05	1.49
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.83
tblVehicleEF	MH	0.54	0.82
tblVehicleEF	MH	0.52	0.27
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.02

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tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1200e-004	1.7623e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9120e-003	4.4890e-003
tblVehicleEF	MHD	0.03	4.5326e-003
tblVehicleEF	MHD	0.34	0.42
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.75	0.42
tblVehicleEF	MHD	136.15	87.05
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.80
tblVehicleEF	MHD	0.34	0.43
tblVehicleEF	MHD	0.63	0.15
tblVehicleEF	MHD	10.41	0.71
tblVehicleEF	MHD	2.9000e-005	1.3504e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005

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tblVehicleEF	MHD	2.8000e-005	1.2869e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.03	3.6345e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.3100e-003	7.9613e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0700e-004	4.7466e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9230e-003	4.4938e-003
tblVehicleEF	MHD	0.03	4.3879e-003
tblVehicleEF	MHD	0.25	0.39
tblVehicleEF	MHD	0.19	0.05

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tblVehicleEF	MHD	2.61	0.40
tblVehicleEF	MHD	144.21	86.00
tblVehicleEF	MHD	1,112.76	638.82
tblVehicleEF	MHD	55.89	4.77
tblVehicleEF	MHD	0.35	0.41
tblVehicleEF	MHD	0.59	0.14
tblVehicleEF	MHD	10.40	0.71
tblVehicleEF	MHD	2.5000e-005	1.2078e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.4000e-005	1.1505e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.03	3.6499e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3860e-003	7.8620e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0500e-004	4.7131e-005

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tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9090e-003	4.4873e-003
tblVehicleEF	MHD	0.03	4.5560e-003
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.77	0.42
tblVehicleEF	MHD	125.01	88.51
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.81
tblVehicleEF	MHD	0.33	0.46
tblVehicleEF	MHD	0.61	0.15
tblVehicleEF	MHD	10.42	0.71
tblVehicleEF	MHD	3.6000e-005	1.5473e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	3.4000e-005	1.4753e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

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tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.03	3.6300e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.2060e-003	8.0982e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0800e-004	4.7532e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.21	0.03
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0500e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.58
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.70	1.47
tblVehicleEF	OBUS	103.85	76.48
tblVehicleEF	OBUS	1,218.06	1,004.07

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	64.81	13.14
tblVehicleEF	OBUS	0.23	0.20
tblVehicleEF	OBUS	0.57	0.50
tblVehicleEF	OBUS	2.52	0.47
tblVehicleEF	OBUS	2.1000e-005	2.2252e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.0000e-005	2.1195e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	1.0020e-003	6.7346e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1300e-004	1.2994e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0870e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.25	0.36
tblVehicleEF	OBUS	3.50	1.40
tblVehicleEF	OBUS	109.08	75.70
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.02
tblVehicleEF	OBUS	0.24	0.19
tblVehicleEF	OBUS	0.54	0.47
tblVehicleEF	OBUS	2.50	0.46
tblVehicleEF	OBUS	1.8000e-005	1.9686e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	1.7000e-005	1.8740e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	2.0300e-003	0.09

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.24	0.07
tblVehicleEF	OBUS	1.0520e-003	6.6604e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1000e-004	1.2867e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0390e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.74	1.48
tblVehicleEF	OBUS	96.64	77.56
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.17
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	0.56	0.49

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tblVehicleEF	OBUS	2.53	0.47
tblVehicleEF	OBUS	2.6000e-005	2.5796e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.5000e-005	2.4586e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	9.3400e-004	6.8370e-004
tblVehicleEF	OBUS	0.01	9.0558e-003
tblVehicleEF	OBUS	7.1400e-004	1.3015e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09

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tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6310e-003	1.10
tblVehicleEF	SBUS	0.05	5.1367e-003
tblVehicleEF	SBUS	9.81	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.60	0.58
tblVehicleEF	SBUS	934.27	222.10
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.05
tblVehicleEF	SBUS	1.78	0.34
tblVehicleEF	SBUS	0.82	0.30
tblVehicleEF	SBUS	9.47	0.19
tblVehicleEF	SBUS	1.3300e-004	6.3235e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.2700e-004	5.8330e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	3.0770e-003	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	9.2630e-003	7.2145e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9300e-004	4.0045e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6800e-003	1.10
tblVehicleEF	SBUS	0.04	4.6192e-003
tblVehicleEF	SBUS	9.78	2.75
tblVehicleEF	SBUS	0.27	3.49
tblVehicleEF	SBUS	5.36	0.48
tblVehicleEF	SBUS	969.91	221.89
tblVehicleEF	SBUS	978.89	880.52
tblVehicleEF	SBUS	67.79	3.88
tblVehicleEF	SBUS	1.83	0.34
tblVehicleEF	SBUS	0.78	0.28
tblVehicleEF	SBUS	9.44	0.19
tblVehicleEF	SBUS	1.1200e-004	6.2583e-004
tblVehicleEF	SBUS	0.74	0.04

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.0700e-004	5.7705e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	9.6030e-003	7.1948e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.7200e-004	3.8360e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.05	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6170e-003	1.10

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	0.05	5.2104e-003
tblVehicleEF	SBUS	9.86	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.82	0.59
tblVehicleEF	SBUS	885.05	222.39
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.07
tblVehicleEF	SBUS	1.71	0.35
tblVehicleEF	SBUS	0.81	0.29
tblVehicleEF	SBUS	9.48	0.20
tblVehicleEF	SBUS	1.6200e-004	6.4136e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.5500e-004	5.9192e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.39	0.03

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	SBUS	8.7940e-003	7.2418e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9700e-004	4.0206e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.74	0.78
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.43	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.6366e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.41	1.63
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.69
tblVehicleEF	UBUS	1.33	8.8867e-003
tblVehicleEF	UBUS	12.15	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.6130e-003	0.02

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	0.10	2.1176e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5370e-003	9.5806e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.79	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.1407e-003
tblVehicleEF	UBUS	4.80	1.61
tblVehicleEF	UBUS	6.50	1.48
tblVehicleEF	UBUS	1,718.89	207.23
tblVehicleEF	UBUS	139.96	9.45
tblVehicleEF	UBUS	1.24	8.3293e-003
tblVehicleEF	UBUS	12.09	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	0.10	2.1235e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.02
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5210e-003	9.3382e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	1.25	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.7267e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.58	1.65
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.72
tblVehicleEF	UBUS	1.30	8.7664e-003
tblVehicleEF	UBUS	12.16	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	0.10	2.1162e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5400e-003	9.6140e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.80	0.03
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	31.75
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	21.31
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	33.73
tblVehicleTrips	WD_TR	8.96	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWoodstoves	NumberCatalytic	579.45	0.00
tblWoodstoves	NumberCatalytic	1,265.95	948.20
tblWoodstoves	NumberCatalytic	16.55	9.30
tblWoodstoves	NumberCatalytic	1,481.60	1,383.25
tblWoodstoves	NumberNoncatalytic	579.45	0.00
tblWoodstoves	NumberNoncatalytic	1,265.95	948.20
tblWoodstoves	NumberNoncatalytic	16.55	9.30
tblWoodstoves	NumberNoncatalytic	1,481.60	1,383.25
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548
Energy	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1 506	582,286.1 506	11.1605	10.6753	585,746.3 861
Mobile	2,369.283 5	1,180.385 0	17,639.33 61	47.4866	5,561.092 8	18.3964	5,579.489 2	1,386.399 0	17.1717	1,403.5707		4,836,151. 5887	4,836,151. 5887	187.5279		4,840,839. 7871
Total	17,968.19 32	3,043.672 3	48,272.30 13	115.6682	5,561.092 8	3,814.002 0	9,375.094 9	1,386.399 0	3,812.777 3	5,199.1763	453,761.6 281	6,725,308. 9907	7,179,070. 6187	1,569.735 4	49.2598	7,232,993. 4280

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548
Energy	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1 506	582,286.1 506	11.1605	10.6753	585,746.3 861
Mobile	2,369.283 5	1,180.385 0	17,639.33 61	47.4866	5,561.092 8	18.3964	5,579.489 2	1,386.399 0	17.1717	1,403.5707		4,836,151. 5887	4,836,151. 5887	187.5279		4,840,839. 7871
Total	17,968.19 32	3,043.672 3	48,272.30 13	115.6682	5,561.092 8	3,814.002 0	9,375.094 9	1,386.399 0	3,812.777 3	5,199.1763	453,761.6 281	6,725,308. 9907	7,179,070. 6187	1,569.735 4	49.2598	7,232,993. 4280

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2039	12/31/2038	5	0	
2	Architectural Coating	Architectural Coating	1/13/2039	1/12/2039	5	0	
3	Site Preparation	Site Preparation	5/1/2039	4/29/2039	5	0	
4	Grading	Grading	5/1/2039	4/29/2039	5	0	
5	Building Construction	Building Construction	9/29/2039	9/28/2039	5	0	
6	Paving	Paving	11/14/2039	11/13/2039	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 187,373,655; Residential Outdoor: 62,457,885; Non-Residential Indoor: 43,827,000; Non-Residential Outdoor: 14,609,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

3.7 Paving - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2,369.2835	1,180.3850	17,639.3361	47.4866	5,561.0928	18.3964	5,579.4892	1,386.3990	17.1717	1,403.5707		4,836,151.5887	4,836,151.5887	187.5279		4,840,839.7871
Unmitigated	2,369.2835	1,180.3850	17,639.3361	47.4866	5,561.0928	18.3964	5,579.4892	1,386.3990	17.1717	1,403.5707		4,836,151.5887	4,836,151.5887	187.5279		4,840,839.7871

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	999,487.36	940,816.00	631,457.92	2,698,837,164	2,698,837,164
University/College (4Yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	999,487.36	940,816.00	631,457.92	2,698,837,164	2,698,837,164

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Congregate Care (Assisted Living)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Elementary School	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Government Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hospital	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hotel	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Industrial Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Mobile Home Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Regional Shopping Center	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Single Family Housing	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
University/College (4Yr)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Unrefrigerated Warehouse-No Rail	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6753	585,746.3861
NaturalGas Unmitigated	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6753	585,746.3861

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	503942	5.4347	46.4417	19.7624	0.2964		3.7549	3.7549		3.7549	3.7549		59,287.3069	59,287.3069	1.1363	1.0869	59,639.6217
Apartments Mid Rise	1.11175e+006	11.9894	102.4550	43.5979	0.6540		8.2836	8.2836		8.2836	8.2836		130,793.6696	130,793.6696	2.5069	2.3979	131,570.9109
City Park	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
Congregate Care (Assisted Living)	11849.4	0.1278	1.0920	0.4647	6.9700e-003		0.0883	0.0883		0.0883	0.0883		1,394.0504	1,394.0504	0.0267	0.0256	1,402.3345
Elementary School	147257	1.5881	14.4369	12.1270	0.0866		1.0972	1.0972		1.0972	1.0972		17,324.3243	17,324.3243	0.3321	0.3176	17,427.2741
General Office Building	55106.7	0.5943	5.4026	4.5382	0.0324		0.4106	0.4106		0.4106	0.4106		6,483.1394	6,483.1394	0.1243	0.1189	6,521.6655
Government Office Building	35661.1	0.3846	3.4962	2.9368	0.0210		0.2657	0.2657		0.2657	0.2657		4,195.4243	4,195.4243	0.0804	0.0769	4,220.3556
Hospital	89095.9	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	196475	2.1189	19.2623	16.1803	0.1156		1.4639	1.4639		1.4639	1.4639		23,114.6965	23,114.6965	0.4430	0.4238	23,252.0556
Industrial Park	169589	1.8289	16.6264	13.9662	0.0998		1.2636	1.2636		1.2636	1.2636		19,951.6403	19,951.6403	0.3824	0.3658	20,070.2029
Mobile Home Park	93896.2	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Regional Shopping Center	39105.2	0.4217	3.8339	3.2204	0.0230		0.2914	0.2914		0.2914	0.2914		4,600.6163	4,600.6163	0.0882	0.0843	4,627.9554
Single Family Housing	2.4819e+006	26.7656	228.7240	97.3294	1.4599		18.4926	18.4926		18.4926	18.4926		291,988.0452	291,988.0452	5.5964	5.3531	293,723.1841
University/College (4Yr)	7770.75	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6039.71	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6752	585,746.3861

5.2 Energy by Land Use - NaturalGas

Mitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	503.942	5.4347	46.4417	19.7624	0.2964		3.7549	3.7549		3.7549	3.7549		59,287.3069	59,287.3069	1.1363	1.0869	59,639.6217
Apartments Mid Rise	1111.75	11.9894	102.4550	43.5979	0.6540		8.2836	8.2836		8.2836	8.2836		130,793.6696	130,793.6696	2.5069	2.3979	131,570.9109
City Park	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
Congregate Care (Assisted Living)	11.8494	0.1278	1.0920	0.4647	6.9700e-003		0.0883	0.0883		0.0883	0.0883		1,394.0504	1,394.0504	0.0267	0.0256	1,402.3345
Elementary School	147.257	1.5881	14.4369	12.1270	0.0866		1.0972	1.0972		1.0972	1.0972		17,324.3243	17,324.3243	0.3321	0.3176	17,427.2741
General Office Building	55.1067	0.5943	5.4026	4.5382	0.0324		0.4106	0.4106		0.4106	0.4106		6,483.1394	6,483.1394	0.1243	0.1189	6,521.6655
Government Office Building	35.6611	0.3846	3.4962	2.9368	0.0210		0.2657	0.2657		0.2657	0.2657		4,195.4243	4,195.4243	0.0804	0.0769	4,220.3556
Hospital	89.0959	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	196.475	2.1189	19.2623	16.1803	0.1156		1.4639	1.4639		1.4639	1.4639		23,114.6965	23,114.6965	0.4430	0.4238	23,252.0556
Industrial Park	169.589	1.8289	16.6264	13.9662	0.0998		1.2636	1.2636		1.2636	1.2636		19,951.6403	19,951.6403	0.3824	0.3658	20,070.2029
Mobile Home Park	93.8962	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Regional Shopping Center	39.1052	0.4217	3.8339	3.2204	0.0230		0.2914	0.2914		0.2914	0.2914		4,600.6163	4,600.6163	0.0882	0.0843	4,627.9554
Single Family Housing	2481.9	26.7656	228.7240	97.3294	1.4599		18.4926	18.4926		18.4926	18.4926		291,988.0452	291,988.0452	5.5964	5.3531	293,723.1841
University/College (4Yr)	7.77075	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6.03971	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6752	585,746.3861

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548
Unmitigated	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	232.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2,411.4117					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,732.7422	1,337.8045	24,777.3486	64.9716		3,727.3780	3,727.3780		3,727.3780	3,727.3780	453,761.6281	1,296,689.2941	1,750,450.9222	1,361.3452	38.5846	1,795,982.7537
Landscaping	168.5479	64.9698	5,629.3366	0.2986		31.3495	31.3495		31.3495	31.3495		10,181.9573	10,181.9573	9.7018		10,424.5011
Total	15,545.5334	1,402.7743	30,406.6851	65.2702		3,758.7275	3,758.7275		3,758.7275	3,758.7275	453,761.6281	1,306,871.2514	1,760,632.8794	1,371.0470	38.5846	1,806,407.2548

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	232.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2,411.4117					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,732.7422	1,337.8045	24,777.3486	64.9716		3,727.3780	3,727.3780		3,727.3780	3,727.3780	453,761.6281	1,296,689.2941	1,750,450.9222	1,361.3452	38.5846	1,795,982.7537
Landscaping	168.5479	64.9698	5,629.3366	0.2986		31.3495	31.3495		31.3495	31.3495		10,181.9573	10,181.9573	9.7018		10,424.5011
Total	15,545.5334	1,402.7743	30,406.6851	65.2702		3,758.7275	3,758.7275		3,758.7275	3,758.7275	453,761.6281	1,306,871.2514	1,760,632.8794	1,371.0470	38.5846	1,806,407.2548

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Summer

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

Garden Grove FGPUZA (Proposed General Plan Update; 2040)
Los Angeles-South Coast County, Winter

1.0 Project Characteristics

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	1,941.50	1000sqft	36.80	1,941,500.00	0
Government Office Building	1,256.40	1000sqft	68.70	1,256,400.00	0
Hospital	500.00	1000sqft	13.40	500,000.00	0
Elementary School	5,188.10	1000sqft	702.90	5,188,100.00	0
University/College (4Yr)	134.00	Employee	10.20	104,200.00	0
Industrial Park	5,974.90	1000sqft	599.40	5,974,900.00	0
Unrefrigerated Warehouse-No Rail	2,533.90	1000sqft	189.80	2,533,900.00	0
City Park	355.30	Acre	355.30	15,476,868.00	0
Hotel	2,077.00	Room	77.90	3,015,700.00	0
Apartments Low Rise	11,589.00	Dwelling Unit	295.00	11,589,000.00	40970
Apartments Mid Rise	25,319.00	Dwelling Unit	978.20	25,319,000.00	90689
Congregate Care (Assisted Living)	331.00	Dwelling Unit	10.40	331,000.00	1186
Mobile Home Park	1,628.00	Dwelling Unit	133.00	1,953,600.00	5602
Single Family Housing	29,632.00	Dwelling Unit	4,751.70	53,337,600.00	99632
Regional Shopping Center	8,703.30	1000sqft	673.60	8,703,300.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.2	Precipitation Freq (Days)	33
Climate Zone	9	Operational Year	2040		
Utility Company	Southern California Edison				

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

CO2 Intensity 150.55 **CH4 Intensity** 0.033 **N2O Intensity** 0.004
(lb/MW hr) **(lb/MW hr)** **(lb/MW hr)**

1.3 User Entered Comments & Non-Default Data

Project Characteristics - MIG Modeler: Phil Gleason. GHG intensity factors adjusted to reflect estimated SCE 2040 energy mix.

Land Use - EIR PD; Table 3-2 and Table 3-3. ROW space not modeled. MHP taken out of SFR.

Construction Phase - Future operational run. No construction emissions modeled.

Vehicle Trips - Trip rates derived from a default CalEEMod run for specified land uses. Avg trip distance adjusted based on avg CalEEMod trip distance and F&P estimates that were annualized.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Vehicle Emission Factors - Updated using EMFAC2020.0.1 and methodology provided in CalEEMod User Manual Appendix A.

Woodstoves - Wood burning devices excluded from new development pursuant to SCAQMD Rule 445. Modling assumes existing development would retain stoves / hearths per default values.

Energy Use - Apt low-rise, hotel, and con care are built to 2019 T24. Hosp, uni, and wareh remain at 2013 T24. Remaining LU see minor imp's to, on avg, meet 2016 T24. Factors obtained from CMod v2020.4.0; adj using CalEEMod Apndx E5, Tbl 1, 3, 4.

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	155,000.00	0.00
tblConstructionPhase	NumDays	10,000.00	0.00
tblConstructionPhase	NumDays	15,500.00	0.00
tblConstructionPhase	NumDays	11,000.00	0.00
tblConstructionPhase	NumDays	6,000.00	0.00
tblEnergyUse	T24E	257.27	54.80
tblEnergyUse	T24E	252.63	63.46
tblEnergyUse	T24E	252.63	53.81
tblEnergyUse	T24E	1.74	1.64
tblEnergyUse	T24E	4.60	4.31

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblEnergyUse	T24E	4.60	4.31
tblEnergyUse	T24E	9.96	10.44
tblEnergyUse	T24E	2.55	2.28
tblEnergyUse	T24E	4.60	4.31
tblEnergyUse	T24E	221.74	251.15
tblEnergyUse	T24E	4.01	3.75
tblEnergyUse	T24E	443.48	105.47
tblEnergyUse	T24E	3.04	3.18
tblEnergyUse	T24E	0.65	0.68
tblEnergyUse	T24NG	9,955.77	9,487.85
tblEnergyUse	T24NG	7,012.17	9,642.99
tblEnergyUse	T24NG	7,012.17	6,682.59
tblEnergyUse	T24NG	9.32	9.28
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	54.94	55.22
tblEnergyUse	T24NG	19.92	19.72
tblEnergyUse	T24NG	10.02	9.97
tblEnergyUse	T24NG	11,587.45	14,667.66
tblEnergyUse	T24NG	21,090.59	24,187.44
tblEnergyUse	T24NG	26.49	26.63
tblFireplaces	NumberGas	9,850.65	11,589.00
tblFireplaces	NumberGas	21,521.15	22,474.40
tblFireplaces	NumberGas	281.35	303.10
tblFireplaces	NumberGas	25,187.20	25,482.25
tblFireplaces	NumberNoFireplace	1,158.90	0.00
tblFireplaces	NumberNoFireplace	2,531.90	1,896.40

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblFleetMix	UBUS	1.5990e-003	5.4000e-004
tblGrading	AcresOfGrading	0.00	38,750.00
tblLandUse	LandUseSquareFeet	94,574.83	104,200.00
tblLandUse	LandUseSquareFeet	3,015,804.00	3,015,700.00
tblLandUse	LotAcreage	44.57	36.80
tblLandUse	LotAcreage	28.84	68.70
tblLandUse	LotAcreage	11.48	13.40
tblLandUse	LotAcreage	119.10	702.90
tblLandUse	LotAcreage	2.17	10.20
tblLandUse	LotAcreage	137.16	599.40
tblLandUse	LotAcreage	58.17	189.80
tblLandUse	LotAcreage	69.23	77.90
tblLandUse	LotAcreage	724.31	295.00
tblLandUse	LotAcreage	666.29	978.20
tblLandUse	LotAcreage	20.69	10.40
tblLandUse	LotAcreage	205.09	133.00

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tblLandUse	LotAcreage	9,620.78	4,751.70
tblLandUse	LotAcreage	199.80	673.60
tblLandUse	Population	33,145.00	40,970.00
tblLandUse	Population	72,412.00	90,689.00
tblLandUse	Population	947.00	1,186.00
tblLandUse	Population	4,656.00	5,602.00
tblLandUse	Population	84,748.00	99,632.00
tblProjectCharacteristics	CH4IntensityFactor	0.029	0.033
tblProjectCharacteristics	CO2IntensityFactor	702.44	150.55
tblProjectCharacteristics	N2OIntensityFactor	0.006	0.004
tblVehicleEF	HHD	0.34	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0190e-008
tblVehicleEF	HHD	1.44	4.34
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.84	1.3322e-003
tblVehicleEF	HHD	4,208.88	568.97
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.06	3.22
tblVehicleEF	HHD	1.74	0.96
tblVehicleEF	HHD	19.25	2.09
tblVehicleEF	HHD	1.8470e-003	1.3544e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007

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tblVehicleEF	HHD	1.7670e-003	1.2895e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.37	0.27
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.09	8.8519e-003
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.0405e-007
tblVehicleEF	HHD	0.04	4.9062e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2514e-007
tblVehicleEF	HHD	1.1700e-004	2.4167e-005
tblVehicleEF	HHD	4.6880e-003	3.8316e-006
tblVehicleEF	HHD	0.44	0.42
tblVehicleEF	HHD	9.4000e-005	0.00
tblVehicleEF	HHD	0.19	1.4958e-007
tblVehicleEF	HHD	3.9200e-004	4.6489e-005
tblVehicleEF	HHD	0.07	2.2341e-007
tblVehicleEF	HHD	0.32	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	3.8603e-008
tblVehicleEF	HHD	1.05	4.29
tblVehicleEF	HHD	1.09	0.28

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tblVehicleEF	HHD	3.64	1.2696e-003
tblVehicleEF	HHD	4,458.94	562.36
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	12.45	3.07
tblVehicleEF	HHD	1.65	0.91
tblVehicleEF	HHD	19.24	2.09
tblVehicleEF	HHD	1.5570e-003	1.2197e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	1.4900e-003	1.1606e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003
tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.35	0.28
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.09	8.8531e-003
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.06	1.9651e-007
tblVehicleEF	HHD	0.04	4.8436e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7500e-004	1.2416e-007

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tblVehicleEF	HHD	1.7400e-004	2.5218e-005
tblVehicleEF	HHD	4.7900e-003	3.9569e-006
tblVehicleEF	HHD	0.41	0.44
tblVehicleEF	HHD	1.2800e-004	0.00
tblVehicleEF	HHD	0.19	1.4405e-007
tblVehicleEF	HHD	3.7700e-004	4.6499e-005
tblVehicleEF	HHD	0.07	2.1515e-007
tblVehicleEF	HHD	0.37	0.13
tblVehicleEF	HHD	0.09	0.04
tblVehicleEF	HHD	0.05	4.0566e-008
tblVehicleEF	HHD	1.99	4.41
tblVehicleEF	HHD	1.09	0.28
tblVehicleEF	HHD	3.87	1.3441e-003
tblVehicleEF	HHD	3,863.57	578.10
tblVehicleEF	HHD	1,507.96	1,077.92
tblVehicleEF	HHD	11.64	0.01
tblVehicleEF	HHD	11.52	3.44
tblVehicleEF	HHD	1.71	0.95
tblVehicleEF	HHD	19.26	2.09
tblVehicleEF	HHD	2.2480e-003	1.5404e-003
tblVehicleEF	HHD	0.06	0.08
tblVehicleEF	HHD	0.04	0.03
tblVehicleEF	HHD	5.4690e-003	0.02
tblVehicleEF	HHD	1.4300e-004	1.4784e-007
tblVehicleEF	HHD	2.1500e-003	1.4675e-003
tblVehicleEF	HHD	0.03	0.03
tblVehicleEF	HHD	8.8630e-003	8.7215e-003

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tblVehicleEF	HHD	5.2320e-003	0.02
tblVehicleEF	HHD	1.3100e-004	1.3593e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.40	0.25
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.09	8.8515e-003
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.0579e-007
tblVehicleEF	HHD	0.04	4.9926e-003
tblVehicleEF	HHD	0.01	9.7503e-003
tblVehicleEF	HHD	1.7900e-004	1.2532e-007
tblVehicleEF	HHD	1.0900e-004	2.4261e-005
tblVehicleEF	HHD	4.8700e-003	3.8220e-006
tblVehicleEF	HHD	0.47	0.39
tblVehicleEF	HHD	8.9000e-005	0.00
tblVehicleEF	HHD	0.19	1.5086e-007
tblVehicleEF	HHD	4.3200e-004	4.6992e-005
tblVehicleEF	HHD	0.07	2.2532e-007
tblVehicleEF	LDA	1.6050e-003	9.0428e-004
tblVehicleEF	LDA	6.9200e-004	0.03
tblVehicleEF	LDA	0.28	0.41
tblVehicleEF	LDA	0.33	1.41
tblVehicleEF	LDA	180.22	204.84
tblVehicleEF	LDA	35.70	50.22
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14

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tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	4.0400e-003	2.6786e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.3260e-003	0.12
tblVehicleEF	LDA	1.8030e-003	2.0250e-003
tblVehicleEF	LDA	3.6200e-004	4.9644e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.8710e-003	0.13
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	1.7110e-003	9.3417e-004
tblVehicleEF	LDA	6.1700e-004	0.03
tblVehicleEF	LDA	0.31	0.48
tblVehicleEF	LDA	0.29	1.22
tblVehicleEF	LDA	188.67	213.45

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tblVehicleEF	LDA	35.70	49.88
tblVehicleEF	LDA	0.02	0.01
tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	4.3030e-003	2.7396e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	8.3160e-003	0.10
tblVehicleEF	LDA	1.8870e-003	2.1101e-003
tblVehicleEF	LDA	3.6100e-004	4.9310e-004
tblVehicleEF	LDA	0.02	0.19
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.02	0.00
tblVehicleEF	LDA	6.2530e-003	0.11
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.1050e-003	0.11
tblVehicleEF	LDA	1.5710e-003	8.9629e-004
tblVehicleEF	LDA	7.0700e-004	0.03

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.27	0.39
tblVehicleEF	LDA	0.34	1.45
tblVehicleEF	LDA	177.14	201.67
tblVehicleEF	LDA	35.70	50.29
tblVehicleEF	LDA	0.02	0.02
tblVehicleEF	LDA	0.01	0.14
tblVehicleEF	LDA	0.04	7.5264e-003
tblVehicleEF	LDA	8.0000e-003	8.0000e-003
tblVehicleEF	LDA	8.2900e-004	4.9123e-004
tblVehicleEF	LDA	1.0110e-003	8.3890e-004
tblVehicleEF	LDA	0.02	2.6342e-003
tblVehicleEF	LDA	2.0000e-003	2.0000e-003
tblVehicleEF	LDA	7.6300e-004	4.5170e-004
tblVehicleEF	LDA	9.3000e-004	7.7134e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	3.9560e-003	2.6603e-003
tblVehicleEF	LDA	0.03	0.13
tblVehicleEF	LDA	9.5390e-003	0.12
tblVehicleEF	LDA	1.7720e-003	1.9936e-003
tblVehicleEF	LDA	3.6200e-004	4.9717e-004
tblVehicleEF	LDA	0.01	0.18
tblVehicleEF	LDA	0.03	0.04
tblVehicleEF	LDA	0.01	0.00
tblVehicleEF	LDA	5.7470e-003	0.13
tblVehicleEF	LDA	0.03	0.13

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDA	0.01	0.13
tblVehicleEF	LDT1	2.5660e-003	1.4253e-003
tblVehicleEF	LDT1	1.3400e-003	0.04
tblVehicleEF	LDT1	0.41	0.56
tblVehicleEF	LDT1	0.50	1.83
tblVehicleEF	LDT1	233.64	268.68
tblVehicleEF	LDT1	46.68	65.96
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.3640e-003	4.7648e-003
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.3390e-003	2.6562e-003
tblVehicleEF	LDT1	4.7400e-004	6.5213e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.2810e-003	0.18
tblVehicleEF	LDT1	0.05	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT1	2.7280e-003	1.4718e-003
tblVehicleEF	LDT1	1.1960e-003	0.04
tblVehicleEF	LDT1	0.45	0.65
tblVehicleEF	LDT1	0.43	1.58
tblVehicleEF	LDT1	244.10	278.52
tblVehicleEF	LDT1	46.68	65.52
tblVehicleEF	LDT1	0.03	0.02
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	6.7650e-003	4.8734e-003
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.15
tblVehicleEF	LDT1	2.4440e-003	2.7534e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	4.7300e-004	6.4771e-004
tblVehicleEF	LDT1	0.04	0.39
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.04	0.00
tblVehicleEF	LDT1	9.8660e-003	0.16
tblVehicleEF	LDT1	0.04	0.26
tblVehicleEF	LDT1	0.02	0.16
tblVehicleEF	LDT1	2.5140e-003	1.4128e-003
tblVehicleEF	LDT1	1.3710e-003	0.04
tblVehicleEF	LDT1	0.39	0.52
tblVehicleEF	LDT1	0.52	1.88
tblVehicleEF	LDT1	229.79	265.05
tblVehicleEF	LDT1	46.68	66.06
tblVehicleEF	LDT1	0.03	0.03
tblVehicleEF	LDT1	0.02	0.19
tblVehicleEF	LDT1	0.04	9.4074e-003
tblVehicleEF	LDT1	8.0000e-003	8.0000e-003
tblVehicleEF	LDT1	1.1030e-003	6.6273e-004
tblVehicleEF	LDT1	1.3200e-003	1.1253e-003
tblVehicleEF	LDT1	0.02	3.2926e-003
tblVehicleEF	LDT1	2.0000e-003	2.0000e-003
tblVehicleEF	LDT1	1.0140e-003	6.0936e-004
tblVehicleEF	LDT1	1.2140e-003	1.0347e-003
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	6.2330e-003	4.7322e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.17
tblVehicleEF	LDT1	2.3000e-003	2.6203e-003
tblVehicleEF	LDT1	4.7500e-004	6.5309e-004
tblVehicleEF	LDT1	0.02	0.37
tblVehicleEF	LDT1	0.06	0.07
tblVehicleEF	LDT1	0.03	0.00
tblVehicleEF	LDT1	9.0910e-003	0.18
tblVehicleEF	LDT1	0.06	0.26
tblVehicleEF	LDT1	0.02	0.18
tblVehicleEF	LDT2	2.4720e-003	1.4008e-003
tblVehicleEF	LDT2	1.1960e-003	0.04
tblVehicleEF	LDT2	0.44	0.55
tblVehicleEF	LDT2	0.50	1.94
tblVehicleEF	LDT2	263.09	281.67
tblVehicleEF	LDT2	52.31	68.54
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.19
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.22

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.1610e-003	4.4385e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.6330e-003	2.7842e-003
tblVehicleEF	LDT2	5.3100e-004	6.7756e-004
tblVehicleEF	LDT2	0.02	0.22
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.9750e-003	0.18
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	2.6290e-003	1.4468e-003
tblVehicleEF	LDT2	1.1030e-003	0.04
tblVehicleEF	LDT2	0.48	0.64
tblVehicleEF	LDT2	0.45	1.68
tblVehicleEF	LDT2	274.92	291.08
tblVehicleEF	LDT2	52.31	68.06
tblVehicleEF	LDT2	0.02	0.02
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004
tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	6.5480e-003	4.5386e-003
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.01	0.15
tblVehicleEF	LDT2	2.7520e-003	2.8772e-003
tblVehicleEF	LDT2	5.3000e-004	6.7287e-004
tblVehicleEF	LDT2	0.03	0.23
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.03	0.00
tblVehicleEF	LDT2	9.5400e-003	0.16
tblVehicleEF	LDT2	0.03	0.16
tblVehicleEF	LDT2	0.02	0.16
tblVehicleEF	LDT2	2.4210e-003	1.3885e-003
tblVehicleEF	LDT2	1.2160e-003	0.04
tblVehicleEF	LDT2	0.42	0.52
tblVehicleEF	LDT2	0.51	2.00
tblVehicleEF	LDT2	258.75	278.20
tblVehicleEF	LDT2	52.31	68.64
tblVehicleEF	LDT2	0.03	0.02
tblVehicleEF	LDT2	0.02	0.20
tblVehicleEF	LDT2	0.04	9.2155e-003
tblVehicleEF	LDT2	8.0000e-003	8.0000e-003
tblVehicleEF	LDT2	9.8600e-004	5.8985e-004

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LDT2	1.1610e-003	9.3946e-004
tblVehicleEF	LDT2	0.02	3.2254e-003
tblVehicleEF	LDT2	2.0000e-003	2.0000e-003
tblVehicleEF	LDT2	9.0700e-004	5.4291e-004
tblVehicleEF	LDT2	1.0680e-003	8.6380e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	6.0350e-003	4.4085e-003
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.17
tblVehicleEF	LDT2	2.5890e-003	2.7499e-003
tblVehicleEF	LDT2	5.3100e-004	6.7859e-004
tblVehicleEF	LDT2	0.02	0.21
tblVehicleEF	LDT2	0.04	0.04
tblVehicleEF	LDT2	0.02	0.00
tblVehicleEF	LDT2	8.7900e-003	0.18
tblVehicleEF	LDT2	0.04	0.16
tblVehicleEF	LDT2	0.02	0.18
tblVehicleEF	LHD1	2.6220e-003	2.6823e-003
tblVehicleEF	LHD1	1.9460e-003	7.4228e-004
tblVehicleEF	LHD1	3.8680e-003	9.0978e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.91	1.36
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	20.48	10.36
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08
tblVehicleEF	LHD1	0.30	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0244e-004
tblVehicleEF	LHD1	8.5400e-004	0.06
tblVehicleEF	LHD1	0.03	9.8583e-003
tblVehicleEF	LHD1	0.01	0.02

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	6.7700e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6907e-003
tblVehicleEF	LHD1	1.9570e-003	1.1829e-003
tblVehicleEF	LHD1	3.7260e-003	8.8242e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.88	1.31
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.37
tblVehicleEF	LHD1	20.48	10.27
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.11	0.07
tblVehicleEF	LHD1	0.29	0.17
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	1.2690e-003	0.06

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2000e-004	1.0157e-004
tblVehicleEF	LHD1	1.2690e-003	0.06
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	9.2200e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.06	0.08
tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD1	2.6220e-003	2.6806e-003
tblVehicleEF	LHD1	1.9430e-003	1.1751e-003
tblVehicleEF	LHD1	3.8970e-003	9.1541e-003
tblVehicleEF	LHD1	0.12	0.13
tblVehicleEF	LHD1	0.19	0.21
tblVehicleEF	LHD1	0.92	1.37
tblVehicleEF	LHD1	8.89	5.63
tblVehicleEF	LHD1	527.88	302.36
tblVehicleEF	LHD1	20.48	10.38
tblVehicleEF	LHD1	0.05	0.02
tblVehicleEF	LHD1	0.12	0.08

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.31	0.18
tblVehicleEF	LHD1	6.8200e-004	5.8363e-004
tblVehicleEF	LHD1	0.08	0.06
tblVehicleEF	LHD1	0.01	9.0628e-003
tblVehicleEF	LHD1	4.7890e-003	3.5995e-003
tblVehicleEF	LHD1	4.2700e-004	5.1519e-005
tblVehicleEF	LHD1	6.5200e-004	5.5838e-004
tblVehicleEF	LHD1	0.03	0.02
tblVehicleEF	LHD1	2.6780e-003	2.2657e-003
tblVehicleEF	LHD1	4.5670e-003	3.4296e-003
tblVehicleEF	LHD1	3.9200e-004	4.7370e-005
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.01
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.03	0.01
tblVehicleEF	LHD1	0.07	0.08
tblVehicleEF	LHD1	0.05	0.04
tblVehicleEF	LHD1	8.7000e-005	5.4686e-005
tblVehicleEF	LHD1	5.1370e-003	2.9391e-003
tblVehicleEF	LHD1	2.2100e-004	1.0258e-004
tblVehicleEF	LHD1	7.9800e-004	0.06
tblVehicleEF	LHD1	0.03	9.8303e-003
tblVehicleEF	LHD1	0.01	0.02
tblVehicleEF	LHD1	6.4500e-004	0.00
tblVehicleEF	LHD1	0.04	0.04
tblVehicleEF	LHD1	0.07	0.08

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD1	0.06	0.04
tblVehicleEF	LHD2	2.1650e-003	1.5352e-003
tblVehicleEF	LHD2	1.7850e-003	1.2176e-003
tblVehicleEF	LHD2	2.0410e-003	4.7343e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.80	0.76
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.67
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.16
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.9300e-004	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6041e-005
tblVehicleEF	LHD2	4.9700e-004	0.04
tblVehicleEF	LHD2	0.01	6.4136e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.9300e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5396e-003
tblVehicleEF	LHD2	1.7940e-003	1.2196e-003
tblVehicleEF	LHD2	2.0290e-003	4.5923e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.77	0.73
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.20
tblVehicleEF	LHD2	21.11	5.62
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.09
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.5558e-005
tblVehicleEF	LHD2	7.4200e-004	0.04
tblVehicleEF	LHD2	0.01	6.6152e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	5.3800e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	2.1650e-003	1.5343e-003
tblVehicleEF	LHD2	1.7830e-003	1.2172e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	2.0440e-003	4.7635e-003
tblVehicleEF	LHD2	0.12	0.10
tblVehicleEF	LHD2	0.17	0.15
tblVehicleEF	LHD2	0.81	0.77
tblVehicleEF	LHD2	13.30	9.13
tblVehicleEF	LHD2	569.62	350.19
tblVehicleEF	LHD2	21.11	5.68
tblVehicleEF	LHD2	0.05	0.04
tblVehicleEF	LHD2	0.05	0.15
tblVehicleEF	LHD2	0.19	0.10
tblVehicleEF	LHD2	8.6400e-004	1.0276e-003
tblVehicleEF	LHD2	0.09	0.07
tblVehicleEF	LHD2	0.01	9.8174e-003
tblVehicleEF	LHD2	5.2980e-003	6.5966e-003
tblVehicleEF	LHD2	3.8300e-004	2.5043e-005
tblVehicleEF	LHD2	8.2700e-004	9.8311e-004
tblVehicleEF	LHD2	0.04	0.03
tblVehicleEF	LHD2	2.7110e-003	2.4544e-003
tblVehicleEF	LHD2	5.0550e-003	6.3041e-003
tblVehicleEF	LHD2	3.5300e-004	2.3026e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	8.6653e-003
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	LHD2	1.2900e-004	8.7361e-005
tblVehicleEF	LHD2	5.5340e-003	3.3623e-003
tblVehicleEF	LHD2	2.2400e-004	5.6117e-005
tblVehicleEF	LHD2	4.6900e-004	0.04
tblVehicleEF	LHD2	0.01	6.3985e-003
tblVehicleEF	LHD2	0.01	0.01
tblVehicleEF	LHD2	3.7500e-004	0.00
tblVehicleEF	LHD2	0.04	0.02
tblVehicleEF	LHD2	0.03	0.05
tblVehicleEF	LHD2	0.03	0.02
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.14	0.13
tblVehicleEF	MCY	17.71	10.13
tblVehicleEF	MCY	9.88	7.18
tblVehicleEF	MCY	192.99	185.97
tblVehicleEF	MCY	41.24	37.25
tblVehicleEF	MCY	1.13	0.46
tblVehicleEF	MCY	0.31	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.10	1.79

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	2.56	0.82
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	1.95	0.91
tblVehicleEF	MCY	2.2990e-003	1.8385e-003
tblVehicleEF	MCY	6.3100e-004	3.6823e-004
tblVehicleEF	MCY	1.10	1.79
tblVehicleEF	MCY	0.61	3.61
tblVehicleEF	MCY	0.65	0.00
tblVehicleEF	MCY	3.22	1.00
tblVehicleEF	MCY	0.45	3.73
tblVehicleEF	MCY	2.13	1.00
tblVehicleEF	MCY	0.55	0.14
tblVehicleEF	MCY	0.13	0.12
tblVehicleEF	MCY	17.14	10.26
tblVehicleEF	MCY	8.95	6.46
tblVehicleEF	MCY	192.99	186.21
tblVehicleEF	MCY	41.24	35.84
tblVehicleEF	MCY	0.99	0.41
tblVehicleEF	MCY	0.29	0.07
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003
tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	2.52	0.83
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.76	0.84
tblVehicleEF	MCY	2.2880e-003	1.8409e-003
tblVehicleEF	MCY	6.1000e-004	3.5432e-004
tblVehicleEF	MCY	1.76	2.06
tblVehicleEF	MCY	0.68	3.70
tblVehicleEF	MCY	1.04	0.00
tblVehicleEF	MCY	3.16	0.91
tblVehicleEF	MCY	0.41	3.65
tblVehicleEF	MCY	1.91	0.91
tblVehicleEF	MCY	0.56	0.14
tblVehicleEF	MCY	0.15	0.13
tblVehicleEF	MCY	17.80	10.09
tblVehicleEF	MCY	10.05	7.32
tblVehicleEF	MCY	192.99	185.90
tblVehicleEF	MCY	41.24	37.51
tblVehicleEF	MCY	1.10	0.45
tblVehicleEF	MCY	0.31	0.08
tblVehicleEF	MCY	0.01	0.01
tblVehicleEF	MCY	4.0000e-003	4.0000e-003
tblVehicleEF	MCY	2.7920e-003	2.2237e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MCY	3.3920e-003	3.5742e-003
tblVehicleEF	MCY	5.0400e-003	4.2000e-003
tblVehicleEF	MCY	1.0000e-003	1.0000e-003
tblVehicleEF	MCY	2.6030e-003	2.0735e-003
tblVehicleEF	MCY	3.1640e-003	3.3360e-003
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	2.57	0.82
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	1.99	0.93
tblVehicleEF	MCY	2.3000e-003	1.8378e-003
tblVehicleEF	MCY	6.3500e-004	3.7086e-004
tblVehicleEF	MCY	1.19	1.81
tblVehicleEF	MCY	0.75	3.61
tblVehicleEF	MCY	0.61	0.00
tblVehicleEF	MCY	3.23	1.01
tblVehicleEF	MCY	0.54	4.03
tblVehicleEF	MCY	2.17	1.01
tblVehicleEF	MDV	3.5320e-003	1.5030e-003
tblVehicleEF	MDV	2.3900e-003	0.04
tblVehicleEF	MDV	0.54	0.57
tblVehicleEF	MDV	0.70	1.96
tblVehicleEF	MDV	349.46	336.58
tblVehicleEF	MDV	68.08	81.59
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.20

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tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	8.9320e-003	4.9205e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4930e-003	3.3259e-003
tblVehicleEF	MDV	6.9200e-004	8.0655e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.05	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	3.7530e-003	1.5524e-003
tblVehicleEF	MDV	2.1640e-003	0.04
tblVehicleEF	MDV	0.59	0.66
tblVehicleEF	MDV	0.63	1.69
tblVehicleEF	MDV	364.71	345.83

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tblVehicleEF	MDV	68.08	81.10
tblVehicleEF	MDV	0.03	0.02
tblVehicleEF	MDV	0.04	0.19
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	9.4810e-003	5.0313e-003
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.16
tblVehicleEF	MDV	3.6460e-003	3.4174e-003
tblVehicleEF	MDV	6.9000e-004	8.0179e-004
tblVehicleEF	MDV	0.06	0.26
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.06	0.00
tblVehicleEF	MDV	0.01	0.18
tblVehicleEF	MDV	0.05	0.18
tblVehicleEF	MDV	0.03	0.17
tblVehicleEF	MDV	3.4590e-003	1.4898e-003
tblVehicleEF	MDV	2.4380e-003	0.04

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tblVehicleEF	MDV	0.52	0.54
tblVehicleEF	MDV	0.72	2.02
tblVehicleEF	MDV	343.85	333.17
tblVehicleEF	MDV	68.08	81.69
tblVehicleEF	MDV	0.04	0.03
tblVehicleEF	MDV	0.04	0.21
tblVehicleEF	MDV	0.04	9.3249e-003
tblVehicleEF	MDV	8.0000e-003	8.0000e-003
tblVehicleEF	MDV	1.0820e-003	6.0887e-004
tblVehicleEF	MDV	1.2610e-003	9.6610e-004
tblVehicleEF	MDV	0.02	3.2637e-003
tblVehicleEF	MDV	2.0000e-003	2.0000e-003
tblVehicleEF	MDV	9.9600e-004	5.6040e-004
tblVehicleEF	MDV	1.1600e-003	8.8829e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	8.7540e-003	4.8872e-003
tblVehicleEF	MDV	0.06	0.18
tblVehicleEF	MDV	0.03	0.18
tblVehicleEF	MDV	3.4370e-003	3.2922e-003
tblVehicleEF	MDV	6.9200e-004	8.0759e-004
tblVehicleEF	MDV	0.04	0.25
tblVehicleEF	MDV	0.08	0.05
tblVehicleEF	MDV	0.04	0.00
tblVehicleEF	MDV	0.01	0.20
tblVehicleEF	MDV	0.06	0.18

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tblVehicleEF	MDV	0.04	0.20
tblVehicleEF	MH	3.6700e-003	2.6055e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.01	1.48
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.81
tblVehicleEF	MH	0.55	0.84
tblVehicleEF	MH	0.51	0.26
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1100e-004	1.7602e-004
tblVehicleEF	MH	0.30	13.21
tblVehicleEF	MH	0.02	2.31

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tblVehicleEF	MH	0.18	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.8080e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MH	3.7410e-003	2.6411e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.18	0.15
tblVehicleEF	MH	2.85	1.40
tblVehicleEF	MH	1,092.30	1,472.26
tblVehicleEF	MH	55.88	17.68
tblVehicleEF	MH	0.52	0.79
tblVehicleEF	MH	0.49	0.25
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.02
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.17	0.07
tblVehicleEF	MH	0.01	0.01

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tblVehicleEF	MH	6.0800e-004	1.7475e-004
tblVehicleEF	MH	0.44	13.74
tblVehicleEF	MH	0.02	2.38
tblVehicleEF	MH	0.25	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	2.7250e-003	0.07
tblVehicleEF	MH	0.19	0.07
tblVehicleEF	MH	3.6500e-003	2.5951e-003
tblVehicleEF	MH	0.01	0.02
tblVehicleEF	MH	0.17	0.15
tblVehicleEF	MH	3.05	1.49
tblVehicleEF	MH	1,092.30	1,472.25
tblVehicleEF	MH	55.88	17.83
tblVehicleEF	MH	0.54	0.82
tblVehicleEF	MH	0.52	0.27
tblVehicleEF	MH	0.13	0.04
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	5.2490e-003	0.01
tblVehicleEF	MH	8.7700e-004	2.1063e-004
tblVehicleEF	MH	0.06	0.01
tblVehicleEF	MH	3.2180e-003	3.3699e-003
tblVehicleEF	MH	4.9870e-003	0.01
tblVehicleEF	MH	8.0600e-004	1.9366e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.02

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tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.18	0.07
tblVehicleEF	MH	0.01	0.01
tblVehicleEF	MH	6.1200e-004	1.7623e-004
tblVehicleEF	MH	0.29	13.21
tblVehicleEF	MH	0.02	2.31
tblVehicleEF	MH	0.17	0.00
tblVehicleEF	MH	0.02	0.08
tblVehicleEF	MH	3.0220e-003	0.07
tblVehicleEF	MH	0.20	0.08
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9120e-003	4.4890e-003
tblVehicleEF	MHD	0.03	4.5326e-003
tblVehicleEF	MHD	0.34	0.42
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.75	0.42
tblVehicleEF	MHD	136.15	87.05
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.80
tblVehicleEF	MHD	0.34	0.43
tblVehicleEF	MHD	0.63	0.15
tblVehicleEF	MHD	10.41	0.71
tblVehicleEF	MHD	2.9000e-005	1.3504e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	2.8000e-005	1.2869e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.03	3.6345e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.3100e-003	7.9613e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0700e-004	4.7466e-005
tblVehicleEF	MHD	6.5800e-004	0.02
tblVehicleEF	MHD	0.03	3.0242e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	5.2700e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.03
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9230e-003	4.4938e-003
tblVehicleEF	MHD	0.03	4.3879e-003
tblVehicleEF	MHD	0.25	0.39
tblVehicleEF	MHD	0.19	0.05

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tblVehicleEF	MHD	2.61	0.40
tblVehicleEF	MHD	144.21	86.00
tblVehicleEF	MHD	1,112.76	638.82
tblVehicleEF	MHD	55.89	4.77
tblVehicleEF	MHD	0.35	0.41
tblVehicleEF	MHD	0.59	0.14
tblVehicleEF	MHD	10.40	0.71
tblVehicleEF	MHD	2.5000e-005	1.2078e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	2.4000e-005	1.1505e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003
tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.03	3.6499e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.18	0.02
tblVehicleEF	MHD	1.3860e-003	7.8620e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0500e-004	4.7131e-005

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	9.7900e-004	0.02
tblVehicleEF	MHD	0.03	3.1188e-003
tblVehicleEF	MHD	0.03	0.03
tblVehicleEF	MHD	7.1800e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.20	0.02
tblVehicleEF	MHD	0.02	0.01
tblVehicleEF	MHD	1.9090e-003	4.4873e-003
tblVehicleEF	MHD	0.03	4.5560e-003
tblVehicleEF	MHD	0.47	0.46
tblVehicleEF	MHD	0.19	0.05
tblVehicleEF	MHD	2.77	0.42
tblVehicleEF	MHD	125.01	88.51
tblVehicleEF	MHD	1,112.76	638.81
tblVehicleEF	MHD	55.89	4.81
tblVehicleEF	MHD	0.33	0.46
tblVehicleEF	MHD	0.61	0.15
tblVehicleEF	MHD	10.42	0.71
tblVehicleEF	MHD	3.6000e-005	1.5473e-004
tblVehicleEF	MHD	0.13	0.03
tblVehicleEF	MHD	0.01	0.01
tblVehicleEF	MHD	2.7320e-003	2.3897e-003
tblVehicleEF	MHD	7.9100e-004	5.6531e-005
tblVehicleEF	MHD	3.4000e-005	1.4753e-004
tblVehicleEF	MHD	0.06	0.01
tblVehicleEF	MHD	3.0000e-003	3.0000e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	MHD	2.6090e-003	2.2831e-003
tblVehicleEF	MHD	7.2700e-004	5.1978e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.03	0.01
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.03	3.6300e-003
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.19	0.02
tblVehicleEF	MHD	1.2060e-003	8.0982e-004
tblVehicleEF	MHD	0.01	6.0364e-003
tblVehicleEF	MHD	6.0800e-004	4.7532e-005
tblVehicleEF	MHD	6.1600e-004	0.02
tblVehicleEF	MHD	0.03	3.0179e-003
tblVehicleEF	MHD	0.04	0.03
tblVehicleEF	MHD	5.0300e-004	0.00
tblVehicleEF	MHD	0.04	0.02
tblVehicleEF	MHD	0.01	0.04
tblVehicleEF	MHD	0.21	0.03
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0500e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.58
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.70	1.47
tblVehicleEF	OBUS	103.85	76.48
tblVehicleEF	OBUS	1,218.06	1,004.07

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tblVehicleEF	OBUS	64.81	13.14
tblVehicleEF	OBUS	0.23	0.20
tblVehicleEF	OBUS	0.57	0.50
tblVehicleEF	OBUS	2.52	0.47
tblVehicleEF	OBUS	2.1000e-005	2.2252e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.0000e-005	2.1195e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	1.0020e-003	6.7346e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1300e-004	1.2994e-004
tblVehicleEF	OBUS	1.3900e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	8.2300e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0870e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.24	0.57
tblVehicleEF	OBUS	0.25	0.36
tblVehicleEF	OBUS	3.50	1.40
tblVehicleEF	OBUS	109.08	75.70
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.02
tblVehicleEF	OBUS	0.24	0.19
tblVehicleEF	OBUS	0.54	0.47
tblVehicleEF	OBUS	2.50	0.46
tblVehicleEF	OBUS	1.8000e-005	1.9686e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	1.7000e-005	1.8740e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	2.0300e-003	0.09

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.24	0.07
tblVehicleEF	OBUS	1.0520e-003	6.6604e-004
tblVehicleEF	OBUS	0.01	9.0559e-003
tblVehicleEF	OBUS	7.1000e-004	1.2867e-004
tblVehicleEF	OBUS	2.0300e-003	0.09
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.08
tblVehicleEF	OBUS	1.1310e-003	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.26	0.08
tblVehicleEF	OBUS	0.01	0.02
tblVehicleEF	OBUS	3.0390e-003	0.05
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.25	0.59
tblVehicleEF	OBUS	0.25	0.35
tblVehicleEF	OBUS	3.74	1.48
tblVehicleEF	OBUS	96.64	77.56
tblVehicleEF	OBUS	1,218.06	1,004.07
tblVehicleEF	OBUS	64.81	13.17
tblVehicleEF	OBUS	0.22	0.21
tblVehicleEF	OBUS	0.56	0.49

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	2.53	0.47
tblVehicleEF	OBUS	2.6000e-005	2.5796e-004
tblVehicleEF	OBUS	0.13	0.05
tblVehicleEF	OBUS	0.01	0.01
tblVehicleEF	OBUS	2.7430e-003	8.8670e-003
tblVehicleEF	OBUS	1.0210e-003	1.4265e-004
tblVehicleEF	OBUS	2.5000e-005	2.4586e-004
tblVehicleEF	OBUS	0.06	0.02
tblVehicleEF	OBUS	3.0000e-003	3.0000e-003
tblVehicleEF	OBUS	2.6070e-003	8.4712e-003
tblVehicleEF	OBUS	9.3900e-004	1.3116e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.03	0.04
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.03	0.02
tblVehicleEF	OBUS	0.04	0.09
tblVehicleEF	OBUS	0.25	0.08
tblVehicleEF	OBUS	9.3400e-004	6.8370e-004
tblVehicleEF	OBUS	0.01	9.0558e-003
tblVehicleEF	OBUS	7.1400e-004	1.3015e-004
tblVehicleEF	OBUS	1.3410e-003	0.08
tblVehicleEF	OBUS	0.02	0.01
tblVehicleEF	OBUS	0.05	0.07
tblVehicleEF	OBUS	7.8500e-004	0.00
tblVehicleEF	OBUS	0.04	0.04
tblVehicleEF	OBUS	0.04	0.09

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	OBUS	0.27	0.08
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6310e-003	1.10
tblVehicleEF	SBUS	0.05	5.1367e-003
tblVehicleEF	SBUS	9.81	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.60	0.58
tblVehicleEF	SBUS	934.27	222.10
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.05
tblVehicleEF	SBUS	1.78	0.34
tblVehicleEF	SBUS	0.82	0.30
tblVehicleEF	SBUS	9.47	0.19
tblVehicleEF	SBUS	1.3300e-004	6.3235e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.2700e-004	5.8330e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	3.0770e-003	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.38	0.03
tblVehicleEF	SBUS	9.2630e-003	7.2145e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9300e-004	4.0045e-005
tblVehicleEF	SBUS	5.1070e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	3.0770e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.42	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6800e-003	1.10
tblVehicleEF	SBUS	0.04	4.6192e-003
tblVehicleEF	SBUS	9.78	2.75
tblVehicleEF	SBUS	0.27	3.49
tblVehicleEF	SBUS	5.36	0.48
tblVehicleEF	SBUS	969.91	221.89
tblVehicleEF	SBUS	978.89	880.52
tblVehicleEF	SBUS	67.79	3.88
tblVehicleEF	SBUS	1.83	0.34
tblVehicleEF	SBUS	0.78	0.28
tblVehicleEF	SBUS	9.44	0.19
tblVehicleEF	SBUS	1.1200e-004	6.2583e-004
tblVehicleEF	SBUS	0.74	0.04

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.0700e-004	5.7705e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.34	0.03
tblVehicleEF	SBUS	9.6030e-003	7.1948e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.7200e-004	3.8360e-005
tblVehicleEF	SBUS	7.4380e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.73	0.78
tblVehicleEF	SBUS	4.1990e-003	0.00
tblVehicleEF	SBUS	0.05	0.13
tblVehicleEF	SBUS	0.02	0.06
tblVehicleEF	SBUS	0.37	0.03
tblVehicleEF	SBUS	0.84	0.51
tblVehicleEF	SBUS	3.6170e-003	1.10

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	0.05	5.2104e-003
tblVehicleEF	SBUS	9.86	2.75
tblVehicleEF	SBUS	0.26	3.49
tblVehicleEF	SBUS	6.82	0.59
tblVehicleEF	SBUS	885.05	222.39
tblVehicleEF	SBUS	978.89	880.51
tblVehicleEF	SBUS	67.79	4.07
tblVehicleEF	SBUS	1.71	0.35
tblVehicleEF	SBUS	0.81	0.29
tblVehicleEF	SBUS	9.48	0.20
tblVehicleEF	SBUS	1.6200e-004	6.4136e-004
tblVehicleEF	SBUS	0.74	0.04
tblVehicleEF	SBUS	0.01	0.01
tblVehicleEF	SBUS	2.5640e-003	2.4968e-003
tblVehicleEF	SBUS	1.4610e-003	5.7793e-005
tblVehicleEF	SBUS	1.5500e-004	5.9192e-004
tblVehicleEF	SBUS	0.32	0.01
tblVehicleEF	SBUS	2.5720e-003	2.5511e-003
tblVehicleEF	SBUS	2.4280e-003	2.3208e-003
tblVehicleEF	SBUS	1.3430e-003	5.3138e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.19	0.22
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.04	0.02
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.39	0.03

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	SBUS	8.7940e-003	7.2418e-004
tblVehicleEF	SBUS	9.4600e-003	4.2010e-003
tblVehicleEF	SBUS	7.9700e-004	4.0206e-005
tblVehicleEF	SBUS	4.8630e-003	0.09
tblVehicleEF	SBUS	0.04	0.01
tblVehicleEF	SBUS	1.74	0.78
tblVehicleEF	SBUS	2.9300e-003	0.00
tblVehicleEF	SBUS	0.05	0.14
tblVehicleEF	SBUS	0.03	0.06
tblVehicleEF	SBUS	0.43	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.6366e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.41	1.63
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.69
tblVehicleEF	UBUS	1.33	8.8867e-003
tblVehicleEF	UBUS	12.15	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.6130e-003	0.02

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	0.10	2.1176e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.72	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5370e-003	9.5806e-005
tblVehicleEF	UBUS	3.6130e-003	0.02
tblVehicleEF	UBUS	0.05	6.5622e-003
tblVehicleEF	UBUS	2.8810e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.79	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.1407e-003
tblVehicleEF	UBUS	4.80	1.61
tblVehicleEF	UBUS	6.50	1.48
tblVehicleEF	UBUS	1,718.89	207.23
tblVehicleEF	UBUS	139.96	9.45
tblVehicleEF	UBUS	1.24	8.3293e-003
tblVehicleEF	UBUS	12.09	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004
tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	0.10	2.1235e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.66	0.02
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5210e-003	9.3382e-005
tblVehicleEF	UBUS	5.2430e-003	0.03
tblVehicleEF	UBUS	0.05	6.8417e-003
tblVehicleEF	UBUS	3.9780e-003	0.00
tblVehicleEF	UBUS	1.25	0.02
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	1.13	0.13
tblVehicleEF	UBUS	0.05	8.7267e-003
tblVehicleEF	UBUS	4.79	1.61
tblVehicleEF	UBUS	7.58	1.65
tblVehicleEF	UBUS	1,718.89	207.22
tblVehicleEF	UBUS	139.96	9.72
tblVehicleEF	UBUS	1.30	8.7664e-003
tblVehicleEF	UBUS	12.16	0.08
tblVehicleEF	UBUS	0.50	0.07
tblVehicleEF	UBUS	0.01	0.03
tblVehicleEF	UBUS	7.9160e-003	2.8530e-004

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleEF	UBUS	1.6180e-003	4.1092e-005
tblVehicleEF	UBUS	0.21	0.02
tblVehicleEF	UBUS	3.0000e-003	6.9413e-003
tblVehicleEF	UBUS	7.5320e-003	2.6285e-004
tblVehicleEF	UBUS	1.4870e-003	3.7783e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	0.10	2.1162e-003
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.73	0.03
tblVehicleEF	UBUS	7.9290e-003	1.3614e-003
tblVehicleEF	UBUS	1.5400e-003	9.6140e-005
tblVehicleEF	UBUS	3.5150e-003	0.02
tblVehicleEF	UBUS	0.06	6.5216e-003
tblVehicleEF	UBUS	2.7270e-003	0.00
tblVehicleEF	UBUS	1.25	0.03
tblVehicleEF	UBUS	0.02	0.03
tblVehicleEF	UBUS	0.80	0.03
tblVehicleTrips	DV_TP	11.00	0.00
tblVehicleTrips	HO_TL	8.70	0.00
tblVehicleTrips	HO_TTP	40.60	0.00
tblVehicleTrips	HS_TL	5.90	0.00
tblVehicleTrips	HS_TTP	19.20	0.00
tblVehicleTrips	HW_TL	14.70	7.90
tblVehicleTrips	HW_TTP	40.20	100.00
tblVehicleTrips	PB_TP	3.00	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleTrips	PR_TP	86.00	100.00
tblVehicleTrips	ST_TR	7.16	0.00
tblVehicleTrips	ST_TR	6.39	0.00
tblVehicleTrips	ST_TR	22.75	0.00
tblVehicleTrips	ST_TR	2.20	0.00
tblVehicleTrips	ST_TR	2.46	0.00
tblVehicleTrips	ST_TR	10.18	0.00
tblVehicleTrips	ST_TR	8.19	0.00
tblVehicleTrips	ST_TR	2.49	0.00
tblVehicleTrips	ST_TR	5.00	0.00
tblVehicleTrips	ST_TR	49.97	0.00
tblVehicleTrips	ST_TR	9.91	31.75
tblVehicleTrips	ST_TR	3.12	0.00
tblVehicleTrips	ST_TR	1.68	0.00
tblVehicleTrips	SU_TR	6.07	0.00
tblVehicleTrips	SU_TR	5.86	0.00
tblVehicleTrips	SU_TR	16.74	0.00
tblVehicleTrips	SU_TR	2.44	0.00
tblVehicleTrips	SU_TR	1.05	0.00
tblVehicleTrips	SU_TR	8.91	0.00
tblVehicleTrips	SU_TR	5.95	0.00
tblVehicleTrips	SU_TR	0.73	0.00
tblVehicleTrips	SU_TR	4.36	0.00
tblVehicleTrips	SU_TR	25.24	0.00
tblVehicleTrips	SU_TR	8.62	21.31
tblVehicleTrips	SU_TR	1.68	0.00
tblVehicleTrips	WD_TR	6.59	0.00

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

tblVehicleTrips	WD_TR	6.65	0.00
tblVehicleTrips	WD_TR	1.89	0.00
tblVehicleTrips	WD_TR	2.74	0.00
tblVehicleTrips	WD_TR	15.43	0.00
tblVehicleTrips	WD_TR	11.03	0.00
tblVehicleTrips	WD_TR	68.93	0.00
tblVehicleTrips	WD_TR	13.22	0.00
tblVehicleTrips	WD_TR	8.17	0.00
tblVehicleTrips	WD_TR	6.83	0.00
tblVehicleTrips	WD_TR	4.99	0.00
tblVehicleTrips	WD_TR	42.70	0.00
tblVehicleTrips	WD_TR	9.52	33.73
tblVehicleTrips	WD_TR	8.96	0.00
tblVehicleTrips	WD_TR	1.68	0.00
tblWoodstoves	NumberCatalytic	579.45	0.00
tblWoodstoves	NumberCatalytic	1,265.95	948.20
tblWoodstoves	NumberCatalytic	16.55	9.30
tblWoodstoves	NumberCatalytic	1,481.60	1,383.25
tblWoodstoves	NumberNoncatalytic	579.45	0.00
tblWoodstoves	NumberNoncatalytic	1,265.95	948.20
tblWoodstoves	NumberNoncatalytic	16.55	9.30
tblWoodstoves	NumberNoncatalytic	1,481.60	1,383.25
tblWoodstoves	WoodstoveDayYear	25.00	0.00
tblWoodstoves	WoodstoveWoodMass	999.60	0.00

2.0 Emissions Summary

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548
Energy	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1 506	582,286.1 506	11.1605	10.6753	585,746.3 861
Mobile	2,369.151 1	1,286.410 0	16,480.43 38	45.5722	5,561.092 8	18.4027	5,579.495 5	1,386.399 0	17.1777	1,403.5767		4,642,518. 7097	4,642,518. 7097	193.8021		4,647,363. 7628
Total	17,968.06 08	3,149.697 3	47,113.39 90	113.7538	5,561.092 8	3,814.008 3	9,375.101 2	1,386.399 0	3,812.783 3	5,199.1824	453,761.6 281	6,531,676. 1117	6,985,437. 7397	1,576.009 6	49.2598	7,039,517. 4037

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548
Energy	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1 506	582,286.1 506	11.1605	10.6753	585,746.3 861
Mobile	2,369.151 1	1,286.410 0	16,480.43 38	45.5722	5,561.092 8	18.4027	5,579.495 5	1,386.399 0	17.1777	1,403.5767		4,642,518. 7097	4,642,518. 7097	193.8021		4,647,363. 7628
Total	17,968.06 08	3,149.697 3	47,113.39 90	113.7538	5,561.092 8	3,814.008 3	9,375.101 2	1,386.399 0	3,812.783 3	5,199.1824	453,761.6 281	6,531,676. 1117	6,985,437. 7397	1,576.009 6	49.2598	7,039,517. 4037

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

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

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	1/1/2039	12/31/2038	5	0	
2	Architectural Coating	Architectural Coating	1/13/2039	1/12/2039	5	0	
3	Site Preparation	Site Preparation	5/1/2039	4/29/2039	5	0	
4	Grading	Grading	5/1/2039	4/29/2039	5	0	
5	Building Construction	Building Construction	9/29/2039	9/28/2039	5	0	
6	Paving	Paving	11/14/2039	11/13/2039	5	0	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 38750

Acres of Paving: 0

Residential Indoor: 187,373,655; Residential Outdoor: 62,457,885; Non-Residential Indoor: 43,827,000; Non-Residential Outdoor: 14,609,000; Striped Parking Area: 0 (Architectural Coating – sqft)

OffRoad Equipment

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Architectural Coating	Air Compressors	1	6.00	78	0.48
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38

Trips and VMT

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

3.7 Paving - 2039

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	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
Total	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	2,369.151 1	1,286.410 0	16,480.43 38	45.5722	5,561.092 8	18.4027	5,579.495 5	1,386.399 0	17.1777	1,403.5767		4,642,518. 7097	4,642,518. 7097	193.8021		4,647,363. 7628
Unmitigated	2,369.151 1	1,286.410 0	16,480.43 38	45.5722	5,561.092 8	18.4027	5,579.495 5	1,386.399 0	17.1777	1,403.5767		4,642,518. 7097	4,642,518. 7097	193.8021		4,647,363. 7628

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Apartments Low Rise	0.00	0.00	0.00		
Apartments Mid Rise	0.00	0.00	0.00		
City Park	0.00	0.00	0.00		
Congregate Care (Assisted Living)	0.00	0.00	0.00		
Elementary School	0.00	0.00	0.00		
General Office Building	0.00	0.00	0.00		
Government Office Building	0.00	0.00	0.00		
Hospital	0.00	0.00	0.00		
Hotel	0.00	0.00	0.00		
Industrial Park	0.00	0.00	0.00		
Mobile Home Park	0.00	0.00	0.00		
Regional Shopping Center	0.00	0.00	0.00		
Single Family Housing	999,487.36	940,816.00	631,457.92	2,698,837,164	2,698,837,164
University/College (4Yr)	0.00	0.00	0.00		
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00		
Total	999,487.36	940,816.00	631,457.92	2,698,837,164	2,698,837,164

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Apartments Low Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Apartments Mid Rise	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
City Park	16.60	8.40	6.90	33.00	48.00	19.00	66	28	6
Congregate Care (Assisted)	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Elementary School	16.60	8.40	6.90	65.00	30.00	5.00	63	25	12
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Government Office Building	16.60	8.40	6.90	33.00	62.00	5.00	50	34	16
Hospital	16.60	8.40	6.90	64.90	16.10	19.00	73	25	2
Hotel	16.60	8.40	6.90	19.40	61.60	19.00	58	38	4
Industrial Park	16.60	8.40	6.90	59.00	28.00	13.00	79	19	2
Mobile Home Park	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3
Regional Shopping Center	16.60	8.40	6.90	16.30	64.70	19.00	54	35	11
Single Family Housing	7.90	0.00	0.00	100.00	0.00	0.00	100	0	0
University/College (4Yr)	16.60	8.40	6.90	6.40	88.60	5.00	91	9	0
Unrefrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Apartments Low Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Apartments Mid Rise	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
City Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Congregate Care (Assisted Living)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Elementary School	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
General Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Government Office Building	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hospital	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Hotel	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Industrial Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Mobile Home Park	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Regional Shopping Center	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Single Family Housing	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
University/College (4Yr)	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457
Unrefrigerated Warehouse-No Rail	0.516633	0.070991	0.195744	0.128836	0.026081	0.007842	0.011970	0.007437	0.000933	0.000540	0.028760	0.000776	0.003457

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6753	585,746.3861
NaturalGas Unmitigated	53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6753	585,746.3861

5.2 Energy by Land Use - NaturalGas

Unmitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	503942	5.4347	46.4417	19.7624	0.2964		3.7549	3.7549		3.7549	3.7549		59,287.3069	59,287.3069	1.1363	1.0869	59,639.6217
Apartments Mid Rise	1.11175e+006	11.9894	102.4550	43.5979	0.6540		8.2836	8.2836		8.2836	8.2836		130,793.6696	130,793.6696	2.5069	2.3979	131,570.9109
City Park	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
Congregate Care (Assisted Living)	11849.4	0.1278	1.0920	0.4647	6.9700e-003		0.0883	0.0883		0.0883	0.0883		1,394.0504	1,394.0504	0.0267	0.0256	1,402.3345
Elementary School	147257	1.5881	14.4369	12.1270	0.0866		1.0972	1.0972		1.0972	1.0972		17,324.3243	17,324.3243	0.3321	0.3176	17,427.2741
General Office Building	55106.7	0.5943	5.4026	4.5382	0.0324		0.4106	0.4106		0.4106	0.4106		6,483.1394	6,483.1394	0.1243	0.1189	6,521.6655
Government Office Building	35661.1	0.3846	3.4962	2.9368	0.0210		0.2657	0.2657		0.2657	0.2657		4,195.4243	4,195.4243	0.0804	0.0769	4,220.3556
Hospital	89095.9	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	196475	2.1189	19.2623	16.1803	0.1156		1.4639	1.4639		1.4639	1.4639		23,114.6965	23,114.6965	0.4430	0.4238	23,252.0556
Industrial Park	169589	1.8289	16.6264	13.9662	0.0998		1.2636	1.2636		1.2636	1.2636		19,951.6403	19,951.6403	0.3824	0.3658	20,070.2029
Mobile Home Park	93896.2	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Regional Shopping Center	39105.2	0.4217	3.8339	3.2204	0.0230		0.2914	0.2914		0.2914	0.2914		4,600.6163	4,600.6163	0.0882	0.0843	4,627.9554
Single Family Housing	2.4819e+006	26.7656	228.7240	97.3294	1.4599		18.4926	18.4926		18.4926	18.4926		291,988.0452	291,988.0452	5.5964	5.3531	293,723.1841
University/College (4Yr)	7770.75	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6039.71	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6752	585,746.3861

5.2 Energy by Land Use - Natural Gas

Mitigated

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Apartments Low Rise	503.942	5.4347	46.4417	19.7624	0.2964		3.7549	3.7549		3.7549	3.7549		59,287.3069	59,287.3069	1.1363	1.0869	59,639.6217
Apartments Mid Rise	1111.75	11.9894	102.4550	43.5979	0.6540		8.2836	8.2836		8.2836	8.2836		130,793.6696	130,793.6696	2.5069	2.3979	131,570.9109
City Park	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
Congregate Care (Assisted Living)	11.8494	0.1278	1.0920	0.4647	6.9700e-003		0.0883	0.0883		0.0883	0.0883		1,394.0504	1,394.0504	0.0267	0.0256	1,402.3345
Elementary School	147.257	1.5881	14.4369	12.1270	0.0866		1.0972	1.0972		1.0972	1.0972		17,324.3243	17,324.3243	0.3321	0.3176	17,427.2741
General Office Building	55.1067	0.5943	5.4026	4.5382	0.0324		0.4106	0.4106		0.4106	0.4106		6,483.1394	6,483.1394	0.1243	0.1189	6,521.6655
Government Office Building	35.6611	0.3846	3.4962	2.9368	0.0210		0.2657	0.2657		0.2657	0.2657		4,195.4243	4,195.4243	0.0804	0.0769	4,220.3556
Hospital	89.0959	0.9608	8.7349	7.3373	0.0524		0.6639	0.6639		0.6639	0.6639		10,481.8695	10,481.8695	0.2009	0.1922	10,544.1580
Hotel	196.475	2.1189	19.2623	16.1803	0.1156		1.4639	1.4639		1.4639	1.4639		23,114.6965	23,114.6965	0.4430	0.4238	23,252.0556
Industrial Park	169.589	1.8289	16.6264	13.9662	0.0998		1.2636	1.2636		1.2636	1.2636		19,951.6403	19,951.6403	0.3824	0.3658	20,070.2029
Mobile Home Park	93.8962	1.0126	8.6532	3.6822	0.0552		0.6996	0.6996		0.6996	0.6996		11,046.6084	11,046.6084	0.2117	0.2025	11,112.2528
Regional Shopping Center	39.1052	0.4217	3.8339	3.2204	0.0230		0.2914	0.2914		0.2914	0.2914		4,600.6163	4,600.6163	0.0882	0.0843	4,627.9554
Single Family Housing	2481.9	26.7656	228.7240	97.3294	1.4599		18.4926	18.4926		18.4926	18.4926		291,988.0452	291,988.0452	5.5964	5.3531	293,723.1841
University/College (4Yr)	7.77075	0.0838	0.7618	0.6399	4.5700e-003		0.0579	0.0579		0.0579	0.0579		914.2060	914.2060	0.0175	0.0168	919.6386
Unrefrigerated Warehouse-No Rail	6.03971	0.0651	0.5921	0.4974	3.5500e-003		0.0450	0.0450		0.0450	0.0450		710.5538	710.5538	0.0136	0.0130	714.7762
Total		53.3762	460.5130	226.2801	2.9114		36.8781	36.8781		36.8781	36.8781		582,286.1506	582,286.1506	11.1605	10.6752	585,746.3861

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

6.0 Area Detail

6.1 Mitigation Measures Area

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548
Unmitigated	15,545.53 35	1,402.774 3	30,406.68 51	65.2702		3,758.727 5	3,758.727 5		3,758.727 5	3,758.7275	453,761.6 281	1,306,871. 2514	1,760,632. 8794	1,371.047 0	38.5846	1,806,407. 2548

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	232.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2,411.4117					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,732.7422	1,337.8045	24,777.3486	64.9716		3,727.3780	3,727.3780		3,727.3780	3,727.3780	453,761.6281	1,296,689.2941	1,750,450.9222	1,361.3452	38.5846	1,795,982.7537
Landscaping	168.5479	64.9698	5,629.3366	0.2986		31.3495	31.3495		31.3495	31.3495		10,181.9573	10,181.9573	9.7018		10,424.5011
Total	15,545.5334	1,402.7743	30,406.6851	65.2702		3,758.7275	3,758.7275		3,758.7275	3,758.7275	453,761.6281	1,306,871.2514	1,760,632.8794	1,371.0470	38.5846	1,806,407.2548

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	232.8316					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2,411.4117					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	12,732.7422	1,337.8045	24,777.3486	64.9716		3,727.3780	3,727.3780		3,727.3780	3,727.3780	453,761.6281	1,296,689.2941	1,750,450.9222	1,361.3452	38.5846	1,795,982.7537
Landscaping	168.5479	64.9698	5,629.3366	0.2986		31.3495	31.3495		31.3495	31.3495		10,181.9573	10,181.9573	9.7018		10,424.5011
Total	15,545.5334	1,402.7743	30,406.6851	65.2702		3,758.7275	3,758.7275		3,758.7275	3,758.7275	453,761.6281	1,306,871.2514	1,760,632.8794	1,371.0470	38.5846	1,806,407.2548

7.0 Water Detail

7.1 Mitigation Measures Water

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

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

Garden Grove FGPUZA (Proposed General Plan Update; 2040) - Los Angeles-South Coast County, Winter

Fire Pumps and Emergency Generators

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

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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User Defined Equipment

Equipment Type	Number
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11.0 Vegetation

Garden Grove 2040 Focused General Plan Update and Zoning Amendment City of Garden Grove, California

Appendix D: Energy Consumption Information

Prepared by: MIG, Inc.

June 2021

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Garden Grove 2040 Focused General Plan Update and Zoning Amendment
 City of Garden Grove, California
 Appendix D: Energy Consumption Information

Sheet 1: Energy Consumption Comparison Tables

Table 1: Estimated Operational Change in Electricity Consumption (2020 vs. 2040)			
Metric	Electricity Consumed (MWh/yr)		
	2020	2040	Change
Total Electricity Consumption (MWh/yr)	647,597	694,240	46,643
Service Population (SP)	220,567	287,988	67,421
Electricity Consumption (MWh/yr/SP)	2.94	2.41	-0.53

Table 2: Estimated Operational Change in Natural Gas Consumption (2020 vs. 2040)			
Metric	Natural Gas Consumed (MMBtu/yr)		
	2020	2040	Change
Total Natural Gas Consumption (MMBtu/yr)	1,538,765	1,806,543	267,778
Service Population (SP)	220,567	287,988	67,421
Electricity Consumption (MMBTU/yr/SP)	6.98	6.27	-0.70

Table 3: Estimated Operational Change in Vehicle Fuel Consumption (2020 vs. 2040)			
Metric	VMT and Vehicle Fuel Consumption		
	2020	2040	Change
Total Diesel VMT	111,643,632	131,981,548	20,337,916
Total Gasoline VMT	2,178,438,388	2,575,280,528	396,842,140
Total VMT (miles/yr)	2,290,082,020	2,707,262,076	417,180,056
Diesel Fuel Efficiency (miles/gal)	9.03	10.57	1.54
Gasoline Fuel Efficiency (miles/gal)	23.07	29.70	6.63
Total Diesel Consumption (Gallons/yr)	12,367,036	12,488,408	121,372
Total Gasoline Consumption (Gallons/yr)	94,432,240	86,721,208	-7,711,032
Total Fuel Consumption (Gallons/yr)	106,799,276	99,209,616	-7,589,659
Service Population (SP)	220,567	287,988	67,421
Fuel Consumption Efficiency (Gallons/yr/SP)	484	344	-140

0.711461835

0.288538165

Garden Grove 2040 Focused General Plan Update and Zoning Amendment

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Appendix D: Energy Consumption Information

Sheet 2: EMFAC2021 Orange County Fuel Efficiency Estimates for 2020 and 2040

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Gallons Per Day	Miles Per Gallon
HHDT	14.77	606.14	161.15	3.76
LDA	1,141,642.31	37,736,851.52	1,355,360.43	27.84
LDT1	104,900.53	3,138,882.25	133,380.82	23.53
LDT2	503,053.46	17,066,257.38	768,954.74	22.19
LHDT1	41,871.32	1,377,405.78	109,147.92	12.62
LHDT2	6,884.97	219,194.15	19,401.27	11.30
MCY	47,318.84	252,394.53	6,208.02	40.66
MDV	321,211.21	10,405,516.56	571,982.94	18.19
MH	7,043.18	56,592.66	11,571.03	4.89
MHDT	7,990.78	388,734.71	77,039.29	5.05
OBUS	945.47	34,634.85	6,986.68	4.96
SBUS	636.38	23,907.49	2,764.33	8.65
UBUS	253.56	41,832.17	3,642.68	11.48
TOTAL	2,183,766.77	70,742,810.17	3,066,601.30	23.07

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Gallons Per Day	Miles Per Gallon
HHDT	9924.17	1189977.86	206686.90	5.76
LDA	4199.61	118356.93	2838.85	41.69
LDT1	46.77	651.24	27.37	23.79
LDT2	1781.59	66812.86	2204.84	30.30
LHDT1	18276.51	634089.29	31644.85	20.04
LHDT2	7261.53	254369.75	15312.10	16.61
MCY	0.00	0.00	0.00	0.00
MDV	4630.45	162276.30	7077.07	22.93
MH	2870.30	25661.25	2526.92	10.16
MHDT	26585.63	1117349.60	125482.21	8.90
OBUS	487.06	36280.01	5099.11	7.11
SBUS	945.96	19700.55	2708.06	7.27
UBUS	4.04	0.00	0.00	#DIV/0!
TOTAL	77013.61	3625525.64	401608.28	9.03

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Gallons Per Day	Miles Per Gallon
HHDT	3.53	382.39	73.60	5.20
LDA	1,083,598.99	42,320,304.15	1,207,895.10	35.04
LDT1	85,566.98	3,110,489.05	104,017.35	29.90
LDT2	611,723.61	23,852,173.46	837,265.09	28.49
LHDT1	31,640.79	1,160,156.95	68,333.27	16.98
LHDT2	4,723.76	162,645.53	10,863.15	14.97
MCY	61,687.43	370,306.76	8,538.96	43.37
MDV	357,745.41	13,510,423.83	576,114.44	23.45
MH	4,386.01	47,753.29	9,721.49	4.91
MHDT	3,462.94	131,961.33	22,788.93	5.79
OBUS	548.42	17,605.03	3,016.97	5.84
SBUS	523.70	23,452.50	2,465.00	9.51
UBUS	293.12	49,101.64	3,045.51	16.12
TOTAL	2,245,904.68	84,756,755.92	2,854,138.87	29.70

Vehicle Class	Population	Vehicle Miles Travelled Per Day	Gallons Per Day	Miles Per Gallon
HHDT	12852.11	1546324.06	212305.62	7.28
LDA	759.21	26265.12	507.41	51.76
LDT1	0.82	33.35	1.18	28.23
LDT2	2273.01	90393.97	2446.65	36.95
LHDT1	23178.71	844206.83	38430.73	21.97
LHDT2	10901.25	386620.30	20564.39	18.80
MCY	0.00	0.00	0.00	0.00
MDV	3935.89	148257.73	5264.07	28.16
MH	2981.06	28039.02	2753.57	10.18
MHDT	23885.26	918342.59	93787.97	9.79
OBUS	542.02	38939.98	4819.80	8.08
SBUS	337.74	6987.72	864.16	8.09
UBUS	0.00	0.00	0.00	0.00
TOTAL	81647.07	4034410.68	381745.55	10.57

Garden Grove 2040 Focused General Plan Update and Zoning Amendment

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Appendix D: Energy Consumption Information

Sheet 3: EMFAC2021 Emission Inventory Data (2020)

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: Orange (SC)

Calendar Year: 2020

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gall

Region	Calendar Year	Vehicle Cat	Model Year	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips
Orange (SC)	2020	HHDT	Aggregate	Aggregate	Gasoline	14.76775	606.1449	606.1449	0	295.4732
Orange (SC)	2020	HHDT	Aggregate	Aggregate	Diesel	9924.173	1189978	1189978	0	136913.8
Orange (SC)	2020	HHDT	Aggregate	Aggregate	Natural Ga	1048.174	73794.88	73794.88	0	7028.965
Orange (SC)	2020	LDA	Aggregate	Aggregate	Gasoline	1121518	37302661	37302661	0	5255453
Orange (SC)	2020	LDA	Aggregate	Aggregate	Diesel	4199.607	118356.9	118356.9	0	18393.93
Orange (SC)	2020	LDA	Aggregate	Aggregate	Electricity	38353.68	1359871	0	1359871	193817.1
Orange (SC)	2020	LDA	Aggregate	Aggregate	Plug-in Hyt	20124.48	809521.1	434190.9	375330.2	83214.72
Orange (SC)	2020	LDT1	Aggregate	Aggregate	Gasoline	104893.5	3138715	3138715	0	468281.3
Orange (SC)	2020	LDT1	Aggregate	Aggregate	Diesel	46.77114	651.2419	651.2419	0	143.3033
Orange (SC)	2020	LDT1	Aggregate	Aggregate	Electricity	139.126	3645.738	0	3645.738	637.3212
Orange (SC)	2020	LDT1	Aggregate	Aggregate	Plug-in Hyt	7.052299	320.0392	166.7993	153.24	29.16126
Orange (SC)	2020	LDT2	Aggregate	Aggregate	Gasoline	501979.7	17041204	17041204	0	2363845
Orange (SC)	2020	LDT2	Aggregate	Aggregate	Diesel	1781.592	66812.86	66812.86	0	8704.404
Orange (SC)	2020	LDT2	Aggregate	Aggregate	Electricity	135.4105	4164.544	0	4164.544	693.2045
Orange (SC)	2020	LDT2	Aggregate	Aggregate	Plug-in Hyt	1073.741	47614.63	25052.99	22561.64	4439.919
Orange (SC)	2020	LHDT1	Aggregate	Aggregate	Gasoline	41871.32	1377406	1377406	0	623820.3
Orange (SC)	2020	LHDT1	Aggregate	Aggregate	Diesel	18276.51	634089.3	634089.3	0	229895.4
Orange (SC)	2020	LHDT2	Aggregate	Aggregate	Gasoline	6884.969	219194.1	219194.1	0	102575.8
Orange (SC)	2020	LHDT2	Aggregate	Aggregate	Diesel	7261.525	254369.7	254369.7	0	91340.85
Orange (SC)	2020	MCY	Aggregate	Aggregate	Gasoline	47318.84	252394.5	252394.5	0	94637.68
Orange (SC)	2020	MDV	Aggregate	Aggregate	Gasoline	321211.2	10405517	10405517	0	1494240
Orange (SC)	2020	MDV	Aggregate	Aggregate	Diesel	4630.447	162276.3	162276.3	0	22281.58
Orange (SC)	2020	MDV	Aggregate	Aggregate	Electricity	173.4022	5462.909	0	5462.909	893.2361
Orange (SC)	2020	MDV	Aggregate	Aggregate	Plug-in Hyt	1234.328	49051.74	26350.7	22701.04	5103.945
Orange (SC)	2020	MH	Aggregate	Aggregate	Gasoline	7043.184	56592.66	56592.66	0	704.6001
Orange (SC)	2020	MH	Aggregate	Aggregate	Diesel	2870.303	25661.25	25661.25	0	287.0303
Orange (SC)	2020	MHDT	Aggregate	Aggregate	Gasoline	7990.78	388734.7	388734.7	0	159879.5
Orange (SC)	2020	MHDT	Aggregate	Aggregate	Diesel	26585.63	1117350	1117350	0	334128.6
Orange (SC)	2020	MHDT	Aggregate	Aggregate	Natural Ga	201.1912	9828.809	9828.809	0	2077.076
Orange (SC)	2020	OBUS	Aggregate	Aggregate	Gasoline	945.4692	34634.85	34634.85	0	18916.95
Orange (SC)	2020	OBUS	Aggregate	Aggregate	Diesel	487.0592	36280.01	36280.01	0	5998.499
Orange (SC)	2020	OBUS	Aggregate	Aggregate	Natural Ga	73.03117	4799.186	4799.186	0	649.9774
Orange (SC)	2020	SBUS	Aggregate	Aggregate	Gasoline	636.3758	23907.49	23907.49	0	2545.503
Orange (SC)	2020	SBUS	Aggregate	Aggregate	Diesel	945.9581	19700.55	19700.55	0	13697.47
Orange (SC)	2020	SBUS	Aggregate	Aggregate	Natural Ga	613.1644	16067.58	16067.58	0	8878.62
Orange (SC)	2020	UBUS	Aggregate	Aggregate	Gasoline	253.557	41832.17	41832.17	0	1014.228
Orange (SC)	2020	UBUS	Aggregate	Aggregate	Electricity	4.037406	77.72006	0	77.72006	16.14962
Orange (SC)	2020	UBUS	Aggregate	Aggregate	Natural Ga	572.0442	109968.9	109968.9	0	2288.177

ons/day for Fuel Consumption

Energy Con	NOx_RUNE	NOx_IDLEX	NOx_STRE	NOx_TOTE	PM2.5_RU	PM2.5_IDL	PM2.5_STF	PM2.5_TO	PM2.5_PM	PM2.5_PM
0	0.006473	0	0.000365	0.006838	1.69E-06	0	6.14E-07	2.3E-06	3.34E-06	2.31E-05
0	4.555771	0.705543	0.310527	5.571841	0.061795	0.001014	0	0.062808	0.01138	0.037563
0	0.124234	0.012456	0	0.13669	0.000258	1.66E-05	0	0.000274	0.000732	0.004205
0	2.430003	0	1.688603	4.118606	0.059444	0	0.012897	0.072342	0.082238	0.119184
0	0.029109	0	0	0.029109	0.002523	0	0	0.002523	0.000261	0.00038
525022.6	0	0	0	0	0	0	0	0	0.002998	0.002289
113360.9	0.0031	0	0.010186	0.013286	0.000802	0	0.000236	0.001038	0.001785	0.001252
0	0.661162	0	0.244276	0.905438	0.008277	0	0.001787	0.010063	0.00692	0.01202
0	0.00114	0	0	0.00114	0.000177	0	0	0.000177	1.44E-06	2.89E-06
1407.556	0	0	0	0	0	0	0	0	8.04E-06	6.2E-06
46.28303	1.19E-06	0	3.57E-06	4.76E-06	2.66E-07	0	7.31E-08	3.39E-07	7.06E-07	4.95E-07
0	1.869473	0	1.091	2.960473	0.028378	0	0.005688	0.034066	0.037569	0.062836
0	0.003718	0	0	0.003718	0.000396	0	0	0.000396	0.000147	0.000239
1607.858	0	0	0	0	0	0	0	0	9.18E-06	7E-06
6814.288	0.000179	0	0.000543	0.000722	4.75E-05	0	1.32E-05	6.08E-05	0.000105	7.36E-05
0	0.311842	0.001855	0.472884	0.786581	0.001584	0	0.000252	0.001835	0.003037	0.04145
0	1.444391	0.046886	0	1.491277	0.0204	0.00054	0	0.020941	0.002097	0.019082
0	0.045919	0.000307	0.077692	0.123918	0.000219	0	3.19E-05	0.000251	0.000483	0.007696
0	0.462086	0.018488	0	0.480575	0.007372	0.000215	0	0.007586	0.000841	0.008931
0	0.171708	0	0.016336	0.188044	0.000519	0	0.000391	0.00091	0.000278	0.001169
0	1.904106	0	0.926567	2.830673	0.018347	0	0.004002	0.022349	0.02294	0.039507
0	0.026347	0	0	0.026347	0.001553	0	0	0.001553	0.000358	0.000598
2109.134	0	0	0	0	0	0	0	0	1.2E-05	9.16E-06
6856.391	0.000188	0	0.000625	0.000813	5.47E-05	0	1.65E-05	7.12E-05	0.000108	7.58E-05
0	0.028544	0	0.000302	0.028846	8.15E-05	0	3.59E-07	8.19E-05	0.000187	0.000938
0	0.105419	0	0	0.105419	0.002845	0	0	0.002845	0.000113	0.000423
0	0.167824	0.000788	0.072023	0.240635	0.000361	0	7.98E-05	0.000441	0.001286	0.00644
0	2.455554	0.566499	0.452004	3.474057	0.063673	0.00214	0	0.065813	0.003695	0.018553
0	0.001507	0.0014	0	0.002907	6.49E-06	2.99E-06	0	9.48E-06	3.25E-05	0.000163
0	0.022963	6.76E-05	0.00844	0.031471	2.62E-05	0	6.84E-06	3.3E-05	0.000115	0.000579
0	0.145813	0.012401	0.007722	0.165936	0.003669	4.15E-05	0	0.003711	0.00012	0.000907
0	0.000809	0.000127	0	0.000936	3.43E-06	2.43E-07	0	3.67E-06	1.59E-05	8.03E-05
0	0.020484	0.000647	0.001829	0.02296	3.75E-05	0	1.76E-06	3.92E-05	5.27E-05	0.000432
0	0.212815	0.034666	0.002394	0.249875	0.00138	5.9E-05	0	0.001439	6.51E-05	0.000356
0	0.015091	0.003549	0	0.01864	7.3E-05	8.01E-06	0	8.1E-05	5.31E-05	0.00029
0	0.00247	0	0.000678	0.003148	3.15E-05	0	1.34E-07	3.16E-05	9.51E-05	0.001488
165.3143	0	0	0	0	0	0	0	0	7.71E-07	1.65E-06
0	0.114324	0	0	0.114324	3.36E-05	0	0	3.36E-05	0.001067	0.004667

PM2.5_TO	PM10_RUN	PM10_IDLE	PM10_STR	PM10_TOT	PM10_PM	PM10_PMI	PM10_TOT	CO2_RUNE	CO2_IDLE	CO2_STRE
2.87E-05	1.84E-06	0	6.68E-07	2.5E-06	1.34E-05	6.6E-05	8.18E-05	1.510019	0	0.018254
0.111751	0.064589	0.001059	0	0.065648	0.045518	0.107324	0.21849	2190.309	123.4468	0
0.005211	0.00028	1.81E-05	0	0.000298	0.002928	0.012014	0.015241	106.4777	9.781738	0
0.273763	0.06465	0	0.014025	0.078675	0.328953	0.340524	0.748153	12277.06	0	432.4721
0.003164	0.002637	0	0	0.002637	0.001044	0.001086	0.004767	31.77947	0	0
0.005287	0	0	0	0	0.011992	0.00654	0.018532	0	0	0
0.004075	0.000873	0	0.000256	0.001129	0.007139	0.003578	0.011845	137.4761	0	6.251306
0.029003	0.009	0	0.001943	0.010943	0.027679	0.034343	0.072964	1216.813	0	48.01955
0.000182	0.000185	0	0	0.000185	5.74E-06	8.27E-06	0.000199	0.306402	0	0
1.42E-05	0	0	0	0	3.21E-05	1.77E-05	4.99E-05	0	0	0
1.54E-06	2.89E-07	0	7.95E-08	3.69E-07	2.82E-06	1.41E-06	4.6E-06	0.052813	0	0.002442
0.134471	0.030863	0	0.006186	0.037049	0.150278	0.17953	0.366857	7037.049	0	246.8308
0.000783	0.000414	0	0	0.000414	0.000589	0.000684	0.001687	24.68212	0	0
1.62E-05	0	0	0	0	3.67E-05	2E-05	5.67E-05	0	0	0
0.000239	5.17E-05	0	1.44E-05	6.61E-05	0.00042	0.00021	0.000696	7.932425	0	0.401048
0.046322	0.001722	0	0.000273	0.001995	0.012147	0.11843	0.132572	1011.41	5.658496	18.01207
0.042119	0.021323	0.000565	0	0.021888	0.008388	0.054519	0.084794	351.4861	2.762043	0
0.00843	0.000238	0	3.47E-05	0.000273	0.001933	0.021987	0.024193	179.968	1.076652	2.943023
0.017358	0.007705	0.000224	0	0.007929	0.003365	0.025516	0.03681	169.6556	1.755612	0
0.002357	0.000553	0	0.000414	0.000967	0.001113	0.003339	0.005419	53.47727	0	5.395133
0.084796	0.019941	0	0.004349	0.02429	0.091761	0.112877	0.228928	5234.249	0	190.0247
0.002509	0.001623	0	0	0.001623	0.001431	0.001708	0.004762	79.22422	0	0
2.12E-05	0	0	0	0	4.82E-05	2.62E-05	7.43E-05	0	0	0
0.000255	5.95E-05	0	1.8E-05	7.75E-05	0.000433	0.000217	0.000727	8.343312	0	0.575123
0.001207	8.86E-05	0	3.89E-07	8.9E-05	0.000749	0.002679	0.003516	109.7065	0	0.024832
0.003382	0.002974	0	0	0.002974	0.000453	0.001209	0.004635	28.2876	0	0
0.008167	0.000393	0	8.68E-05	0.00048	0.005142	0.018401	0.024022	717.6393	4.849745	8.096102
0.088062	0.066552	0.002237	0	0.068789	0.01478	0.05301	0.136579	1336.87	67.84063	0
0.000205	7.05E-06	3.26E-06	0	1.03E-05	0.00013	0.000465	0.000606	9.155275	1.087914	0
0.000727	2.84E-05	0	7.4E-06	3.58E-05	0.000458	0.001655	0.002149	65.17672	0.404232	0.675723
0.004738	0.003835	4.34E-05	0	0.003878	0.00048	0.002592	0.006951	55.37469	1.707243	0
9.98E-05	3.73E-06	2.64E-07	0	4E-06	6.35E-05	0.000229	0.000297	4.629618	0.094811	0
0.000524	4.07E-05	0	1.92E-06	4.27E-05	0.000211	0.001235	0.001488	24.18493	1.861262	0.168674
0.00186	0.001442	6.17E-05	0	0.001504	0.000261	0.001017	0.002782	27.93449	2.380901	0
0.000425	7.94E-05	8.71E-06	0	8.81E-05	0.000213	0.00083	0.00113	30.48524	2.814782	0
0.001614	3.43E-05	0	1.45E-07	3.44E-05	0.00038	0.00425	0.004665	34.49473	0	0.049857
2.42E-06	0	0	0	0	3.08E-06	4.71E-06	7.8E-06	0	0	0
0.005767	3.51E-05	0	0	3.51E-05	0.004267	0.013334	0.017636	339.7644	0	0

CO2_TOTE	CH4_RUNE	CH4_IDLEX	CH4_STRE	CH4_TOTE	N2O_RUNE	N2O_IDLEX	N2O_STRE	N2O_TOTE	ROG_RUNE	ROG_IDLEX
1.528273	0.000184	0	2.22E-08	0.000184	0.000169	0	8.07E-06	0.000177	0.001087	0
2313.756	0.004296	0.002297	0	0.006593	0.345084	0.019449	0	0.364533	0.092489	0.04946
116.2595	0.183765	0.030992	0	0.214757	0.021706	0.001994	0	0.0237	0.005318	0.000577
12709.53	0.144324	0	0.468054	0.612379	0.231481	0	0.198383	0.429864	0.589823	0
31.77947	0.000199	0	0	0.000199	0.005007	0	0	0.005007	0.004279	0
0	0	0	0	0	0	0	0	0	0	0
143.7274	0.000461	0	0.003654	0.004114	0.000562	0	0.001844	0.002405	0.001454	0
1264.832	0.034615	0	0.066182	0.100797	0.044433	0	0.021741	0.066174	0.158957	0
0.306402	1.03E-05	0	0	1.03E-05	4.83E-05	0	0	4.83E-05	0.000221	0
0	0	0	0	0	0	0	0	0	0	0
0.055255	1.79E-07	0	1.29E-06	1.47E-06	2.2E-07	0	6.6E-07	8.8E-07	5.59E-07	0
7283.879	0.077546	0	0.245755	0.323301	0.141335	0	0.107133	0.248468	0.319149	0
24.68212	5.44E-05	0	0	5.44E-05	0.003889	0	0	0.003889	0.001171	0
0	0	0	0	0	0	0	0	0	0	0
8.333474	2.68E-05	0	0.000197	0.000224	3.3E-05	0	0.0001	0.000133	8.39E-05	0
1035.08	0.009642	0.005721	0.025179	0.040542	0.01754	0.000145	0.036398	0.054083	0.048217	0.021249
354.2482	0.004042	0.000103	0	0.004145	0.055377	0.000435	0	0.055812	0.08702	0.002211
183.9877	0.001048	0.000949	0.004093	0.00609	0.002755	2.38E-05	0.005916	0.008695	0.004841	0.003516
171.4112	0.001456	4.08E-05	0	0.001497	0.026729	0.000277	0	0.027006	0.031357	0.000879
58.8724	0.05284	0	0.019511	0.07235	0.011522	0	0.000955	0.012478	0.358469	0
5424.274	0.077136	0	0.204133	0.281268	0.125919	0	0.077365	0.203283	0.358717	0
79.22422	0.000154	0	0	0.000154	0.012482	0	0	0.012482	0.003311	0
0	0	0	0	0	0	0	0	0	0	0
8.918436	2.79E-05	0	0.000224	0.000252	3.4E-05	0	0.000113	0.000147	8.83E-05	0
109.7314	0.001031	0	3.03E-05	0.001062	0.001673	0	3.24E-05	0.001705	0.004869	0
28.2876	8.49E-05	0	0	8.49E-05	0.004457	0	0	0.004457	0.001828	0
730.5851	0.004587	0.002309	0.007729	0.014624	0.008485	6.79E-05	0.00577	0.014324	0.022305	0.00886
1404.71	0.004472	0.000472	0	0.004944	0.210624	0.010688	0	0.221313	0.096282	0.010161
10.24319	0.005078	0.004062	0	0.00914	0.001866	0.000222	0	0.002088	7.26E-05	5.8E-05
66.25668	0.000608	0.000198	0.000757	0.001563	0.001057	5.27E-06	0.000613	0.001675	0.00308	0.000775
57.08193	0.000351	3.22E-05	0	0.000383	0.008724	0.000269	0	0.008993	0.007557	0.000694
4.724429	0.002693	0.000378	0	0.003071	0.000944	1.93E-05	0	0.000963	3.85E-05	5.4E-06
26.21487	0.000671	0.001636	0.000207	0.002514	0.000994	5.6E-05	0.000155	0.001205	0.003416	0.007417
30.31539	0.000173	9.89E-06	0	0.000183	0.004401	0.000375	0	0.004776	0.003724	0.000213
33.30002	0.082559	0.010139	0	0.092699	0.006215	0.000574	0	0.006788	0.00118	0.000145
34.54459	6.46E-05	0	7.33E-05	0.000138	0.000335	0	9.35E-05	0.000428	0.000174	0
0	0	0	0	0	0	0	0	0	0	0
339.7644	0.264284	0	0	0.264284	0.069263	0	0	0.069263	0.003776	0

ROG_STRE	ROG_TOTE	ROG_DIUR	ROG_HOTS	ROG_RUNI	ROG_TOTA	TOG_RUNE	TOG_IDLEX	TOG_STRE	TOG_TOTE	TOG_DIUR
1.15E-07	0.001087	0.000134	4.34E-05	0.000315	0.00158	0.001586	0	1.25E-07	0.001586	0.000134
0	0.141949	0	0	0	0.141949	0.105292	0.056306	0	0.161598	0
0	0.005895	0	0	0	0.005895	0.190613	0.031782	0	0.222396	0
2.253156	2.842979	1.927147	0.58272	1.383771	6.736617	0.86025	0	2.4669	3.32715	1.927147
0	0.004279	0	0	0	0.004279	0.004871	0	0	0.004871	0
0	0	0	0	0	0	0	0	0	0	0
0.014832	0.016286	0.011482	0.003626	0.003184	0.034579	0.002122	0	0.016239	0.018361	0.011482
0.357574	0.516531	0.38913	0.107687	0.306876	1.320224	0.231628	0	0.391494	0.623121	0.38913
0	0.000221	0	0	0	0.000221	0.000252	0	0	0.000252	0
0	0	0	0	0	0	0	0	0	0	0
5.2E-06	5.76E-06	2.94E-06	8.96E-07	8.74E-07	1.05E-05	8.15E-07	0	5.69E-06	6.51E-06	2.94E-06
1.188594	1.507744	0.809408	0.237943	0.579116	3.134211	0.465488	0	1.301358	1.766847	0.809408
0	0.001171	0	0	0	0.001171	0.001333	0	0	0.001333	0
0	0	0	0	0	0	0	0	0	0	0
0.000791	0.000875	0.000487	0.000145	0.000141	0.001648	0.000122	0	0.000866	0.000989	0.000487
0.125643	0.195109	0.125056	0.035126	0.170957	0.526249	0.069924	0.031001	0.137554	0.238479	0.125056
0	0.089232	0	0	0	0.089232	0.099067	0.002517	0	0.101584	0
0.020281	0.028638	0.019724	0.005369	0.025995	0.079726	0.007065	0.00513	0.022205	0.0344	0.019724
0	0.032235	0	0	0	0.032235	0.035697	0.001	0	0.036698	0
0.147028	0.505497	0.223901	0.377945	0.379466	1.486809	0.425209	0	0.159784	0.584993	0.223901
1.069702	1.428419	0.597348	0.177374	0.439838	2.642979	0.507387	0	1.171096	1.678483	0.597348
0	0.003311	0	0	0	0.003311	0.00377	0	0	0.00377	0
0	0	0	0	0	0	0	0	0	0	0
0.00091	0.000998	0.000621	0.000177	0.000178	0.001974	0.000129	0	0.000996	0.001125	0.000621
0.000129	0.004997	0.035093	0.010271	0.000212	0.050574	0.006966	0	0.000141	0.007107	0.035093
0	0.001828	0	0	0	0.001828	0.002081	0	0	0.002081	0
0.04111	0.072275	0.017675	0.00472	0.03263	0.1273	0.032547	0.012929	0.04501	0.090486	0.017675
0	0.106442	0	0	0	0.106442	0.109609	0.011567	0	0.121176	0
0	0.000131	0	0	0	0.000131	0.005183	0.004145	0	0.009328	0
0.004122	0.007977	0.002545	0.000762	0.002806	0.014091	0.004451	0.00113	0.004512	0.010092	0.002545
0	0.008251	0	0	0	0.008251	0.008603	0.00079	0	0.009394	0
0	4.39E-05	0	0	0	4.39E-05	0.002749	0.000386	0	0.003134	0
0.001246	0.01208	0.001309	0.000376	0.000876	0.01464	0.004985	0.010823	0.001365	0.017172	0.001309
0	0.003936	0	0	0	0.003936	0.004239	0.000242	0	0.004481	0
0	0.001324	0	0	0	0.001324	0.084258	0.010348	0	0.094606	0
0.000256	0.00043	0.000188	5.7E-05	0.000106	0.00078	0.000255	0	0.00028	0.000534	0.000188
0	0	0	0	0	0	0	0	0	0	0
0	0.003776	0	0	0	0.003776	0.269721	0	0	0.269721	0

TOG_HOTST	TOG_RUNL	TOG_TOTA	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	SOx_RUNE	SOx_IDLEX	SOx_STREX	SOx_TOTE
4.34E-05	0.000315	0.002079	0.04591	0	0.001536	0.047446	1.49E-05	0	1.8E-07	1.51E-05
0	0	0.161598	0.364951	0.616347	0	0.981299	0.020741	0.001169	0	0.02191
0	0	0.222396	0.869671	0.077248	0	0.94692	0	0	0	0
0.58272	1.383771	7.220788	39.23048	0	21.1208	60.35128	0.121371	0	0.004275	0.125647
0	0	0.004871	0.04649	0	0	0.04649	0.000301	0	0	0.000301
0	0	0	0	0	0	0	0	0	0	0
0.003626	0.003184	0.036654	0.218217	0	0.112599	0.330816	0.001359	0	6.18E-05	0.001421
0.107687	0.306876	1.426815	7.198516	0	3.401049	10.59957	0.012029	0	0.000475	0.012504
0	0	0.000252	0.001256	0	0	0.001256	2.9E-06	0	0	2.9E-06
0	0	0	0	0	0	0	0	0	0	0
8.96E-07	8.74E-07	1.12E-05	8.38E-05	0	3.95E-05	0.000123	5.22E-07	0	2.41E-08	5.46E-07
0.237943	0.579116	3.393314	20.78194	0	10.85952	31.64147	0.069568	0	0.00244	0.072009
0	0	0.001333	0.010512	0	0	0.010512	0.000234	0	0	0.000234
0	0	0	0	0	0	0	0	0	0	0
0.000145	0.000141	0.001761	0.012591	0	0.006008	0.018599	7.84E-05	0	3.96E-06	8.24E-05
0.035126	0.170957	0.569618	1.667288	0.173104	2.009334	3.849725	0.009999	5.59E-05	0.000178	0.010233
0	0	0.101584	0.2675	0.018328	0	0.285828	0.003331	2.62E-05	0	0.003357
0.005369	0.025995	0.085488	0.194831	0.02852	0.332155	0.555506	0.001779	1.06E-05	2.91E-05	0.001819
0	0	0.036698	0.085732	0.007282	0	0.093014	0.001608	1.66E-05	0	0.001624
0.377945	0.379466	1.566305	4.028083	0	0.797874	4.825957	0.000529	0	5.33E-05	0.000582
0.177374	0.439838	2.893043	17.04361	0	7.740608	24.78422	0.051746	0	0.001879	0.053624
0	0	0.00377	0.049407	0	0	0.049407	0.000751	0	0	0.000751
0	0	0	0	0	0	0	0	0	0	0
0.000177	0.000178	0.002101	0.013243	0	0.006906	0.02015	8.25E-05	0	5.69E-06	8.82E-05
0.010271	0.000212	0.052683	0.155124	0	0.002715	0.157839	0.001085	0	2.45E-07	0.001085
0	0	0.002081	0.008038	0	0	0.008038	0.000268	0	0	0.000268
0.00472	0.03263	0.145511	0.581096	0.126772	0.89234	1.600209	0.007095	4.79E-05	8E-05	0.007223
0	0	0.121176	0.34951	0.212785	0	0.562294	0.012659	0.000642	0	0.013302
0	0	0.009328	0.025487	0.005459	0	0.030947	0	0	0	0
0.000762	0.002806	0.016206	0.081707	0.005997	0.081724	0.169428	0.000644	4E-06	6.68E-06	0.000655
0	0	0.009394	0.025591	0.008102	0	0.033692	0.000524	1.62E-05	0	0.000541
0	0	0.003134	0.013408	0.000432	0	0.01384	0	0	0	0
0.000376	0.000876	0.019732	0.070347	0.057402	0.030558	0.158306	0.000239	1.84E-05	1.67E-06	0.000259
0	0	0.004481	0.008611	0.002853	0	0.011464	0.000265	2.25E-05	0	0.000287
0	0	0.094606	0.284713	0.014774	0	0.299487	0	0	0	0
5.7E-05	0.000106	0.000885	0.020696	0	0.006335	0.027031	0.000341	0	4.93E-07	0.000342
0	0	0	0	0	0	0	0	0	0	0
0	0	0.269721	4.585319	0	0	4.585319	0	0	0	0

NH3_RUNE Fuel Consumption

2.78E-05	0.161155
0.238276	206.6869
0.066015	13.43782
1.29402	1340.205
0.000404	2.838848
0	0
0.01752	15.15587
0.122204	133.375
2.23E-06	0.027371
0	0
7.72E-06	0.005827
0.623034	768.076
0.000228	2.204844
0	0
0.001152	0.878754
0.068101	109.1479
0.105587	31.64485
0.010867	19.40127
0.046109	15.3121
0.002397	6.208022
0.379242	571.9829
0.000555	7.077068
0	0
0.00122	0.940438
0.002778	11.57103
0.003865	2.52692
0.019262	77.03929
0.218042	125.4822
0.011484	1.183956
0.001711	6.986684
0.006707	5.099107
0.005608	0.546072
0.001186	2.764325
0.001576	2.708062
0.018774	3.848974
0.002075	3.642684
0	0
0.117583	39.27158

Garden Grove 2040 Focused General Plan Update and Zoning Amendment
City of Garden Grove, California
Appendix D: Energy Consumption Information

Sheet 4: EMFAC2021 Emission Inventory Data (2040)

Source: EMFAC2021 (v1.0.1) Emissions Inventory

Region Type: Sub-Area

Region: Orange (SC)

Calendar Year: 2040

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for

Region	Calendar Year	Vehicle Cat	Model Yea	Speed	Fuel	Population	Total VMT	CVMT	EVMT	Trips	Energy Cor
Orange (SC)	2040	HHDT	Aggregate	Aggregate	Gasoline	3.531537	382.3902	382.3902	0	70.659	0
Orange (SC)	2040	HHDT	Aggregate	Aggregate	Diesel	12852.11	1546324	1546324	0	192689	0
Orange (SC)	2040	HHDT	Aggregate	Aggregate	Electricity	3656.858	332361.8	0	332361.8	40458	601462.9
Orange (SC)	2040	LHDT	Aggregate	Aggregate	Natural Ga	1578.73	92770.79	92770.79	0	10731.25	0
Orange (SC)	2040	LDA	Aggregate	Aggregate	Gasoline	1035401	41504198	41504198	0	4856217	0
Orange (SC)	2040	LDA	Aggregate	Aggregate	Diesel	759.2052	26265.12	26265.12	0	3379.631	0
Orange (SC)	2040	LDA	Aggregate	Aggregate	Electricity	137359.9	5842578	0	5842578	654193.5	2255717
Orange (SC)	2040	LDA	Aggregate	Aggregate	Plug-in Hyt	48197.6	1981534	816106.5	1165427	199297.1	351993.8
Orange (SC)	2040	LDT1	Aggregate	Aggregate	Gasoline	84061.66	3084280	3084280	0	377665.9	0
Orange (SC)	2040	LDT1	Aggregate	Aggregate	Diesel	0.820221	33.35385	33.35385	0	3.877836	0
Orange (SC)	2040	LDT1	Aggregate	Aggregate	Electricity	1954.339	85524.38	0	85524.38	9397.094	33019.47
Orange (SC)	2040	LDT1	Aggregate	Aggregate	Plug-in Hyt	1505.313	64279.33	26208.56	38070.77	6224.47	11498.51
Orange (SC)	2040	LDT2	Aggregate	Aggregate	Gasoline	596748.7	23598930	23598930	0	2776269	0
Orange (SC)	2040	LDT2	Aggregate	Aggregate	Diesel	2273.006	90393.97	90393.97	0	10617.73	0
Orange (SC)	2040	LDT2	Aggregate	Aggregate	Electricity	21083.43	635484.5	0	635484.5	101268.6	245349.5
Orange (SC)	2040	LDT2	Aggregate	Aggregate	Plug-in Hyt	14974.88	618184.2	253243.6	364940.7	61921.12	110223
Orange (SC)	2040	LHDT1	Aggregate	Aggregate	Gasoline	31640.79	1160157	1160157	0	471400.6	0
Orange (SC)	2040	LHDT1	Aggregate	Aggregate	Diesel	23178.71	844206.8	844206.8	0	291559	0
Orange (SC)	2040	LHDT1	Aggregate	Aggregate	Electricity	23615.54	1172899	0	1172899	329399.2	660069.9
Orange (SC)	2040	LHDT2	Aggregate	Aggregate	Gasoline	4723.758	162645.5	162645.5	0	70376.95	0
Orange (SC)	2040	LHDT2	Aggregate	Aggregate	Diesel	10901.25	386620.3	386620.3	0	137124	0
Orange (SC)	2040	LHDT2	Aggregate	Aggregate	Electricity	6348.808	301643.1	0	301643.1	84069.29	169947.5
Orange (SC)	2040	MCY	Aggregate	Aggregate	Gasoline	61687.43	370306.8	370306.8	0	123374.9	0
Orange (SC)	2040	MDV	Aggregate	Aggregate	Gasoline	348384	13355943	13355943	0	1607145	0
Orange (SC)	2040	MDV	Aggregate	Aggregate	Diesel	3935.888	148257.7	148257.7	0	18039.82	0
Orange (SC)	2040	MDV	Aggregate	Aggregate	Electricity	19350.51	578218.9	0	578218.9	92668.8	223240.2
Orange (SC)	2040	MDV	Aggregate	Aggregate	Plug-in Hyt	9361.406	376183.8	154480.6	221703.2	38709.41	66960.96
Orange (SC)	2040	MH	Aggregate	Aggregate	Gasoline	4386.01	47753.29	47753.29	0	438.7764	0
Orange (SC)	2040	MH	Aggregate	Aggregate	Diesel	2981.062	28039.02	28039.02	0	298.1062	0
Orange (SC)	2040	MHDT	Aggregate	Aggregate	Gasoline	3462.943	131961.3	131961.3	0	69286.55	0
Orange (SC)	2040	MHDT	Aggregate	Aggregate	Diesel	23885.26	918342.6	918342.6	0	300935.2	0
Orange (SC)	2040	MHDT	Aggregate	Aggregate	Electricity	14642.17	671570.1	0	671570.1	194976.9	705103.1
Orange (SC)	2040	MHDT	Aggregate	Aggregate	Natural Ga	348.2116	13875.68	13875.68	0	3547.065	0
Orange (SC)	2040	OBUS	Aggregate	Aggregate	Gasoline	548.4193	17605.03	17605.03	0	10972.77	0
Orange (SC)	2040	OBUS	Aggregate	Aggregate	Diesel	542.0173	38939.98	38939.98	0	6870.166	0
Orange (SC)	2040	OBUS	Aggregate	Aggregate	Electricity	233.7201	14607.91	0	14607.91	4676.272	15226.46
Orange (SC)	2040	OBUS	Aggregate	Aggregate	Natural Ga	116.7519	6274.308	6274.308	0	1039.092	0
Orange (SC)	2040	SBUS	Aggregate	Aggregate	Gasoline	523.6973	23452.5	23452.5	0	2094.789	0
Orange (SC)	2040	SBUS	Aggregate	Aggregate	Diesel	337.7444	6987.72	6987.72	0	4890.539	0
Orange (SC)	2040	SBUS	Aggregate	Aggregate	Electricity	508.7334	15537.46	0	15537.46	6037.893	17965.99
Orange (SC)	2040	SBUS	Aggregate	Aggregate	Natural Ga	925.0188	18920.1	18920.1	0	13394.27	0
Orange (SC)	2040	UBUS	Aggregate	Aggregate	Gasoline	293.1158	49101.64	49101.64	0	1172.463	0
Orange (SC)	2040	UBUS	Aggregate	Aggregate	Electricity	715.6417	135730.9	0	135730.9	2862.567	288765.8
Orange (SC)	2040	UBUS	Aggregate	Aggregate	Natural Ga	29.15478	5136.02	5136.02	0	116.6191	0

or Fuel Consumption

NOx_RUNE	NOx_IDLEX	NOx_STRE	NOx_TOTE	PM2.5_RU	PM2.5_IDL	PM2.5_STF	PM2.5_TO	PM2.5_PM	PM2.5_PM	PM2.5_TO	PM10_RU
0.000905	0	5.3E-06	0.000911	3.91E-07	0	3.66E-08	4.27E-07	2.11E-06	1.24E-05	1.49E-05	4.25E-07
2.058151	0.854019	0.563312	3.475482	0.03914	0.000305	0	0.039445	0.014978	0.048265	0.102689	0.04091
0	0	0	0	0	0	0	0	0.003056	0.005476	0.008532	0
0.033061	0.012732	0	0.045792	0.000156	4.16E-05	0	0.000197	0.00092	0.005162	0.00628	0.000169
0.877821	0	0.846433	1.724253	0.024051	0	0.004661	0.028712	0.091501	0.130201	0.250414	0.026158
0.000602	0	0	0.000602	4.59E-05	0	0	4.59E-05	5.79E-05	8.3E-05	0.000187	4.79E-05
0	0	0	0	0	0	0	0	0.012881	0.009891	0.022772	0
0.005767	0	0.024396	0.030163	0.000478	0	0.000197	0.000675	0.004369	0.003138	0.008181	0.00052
0.093474	0	0.080391	0.173865	0.002158	0	0.000443	0.002602	0.0068	0.011491	0.020893	0.002347
1.04E-06	0	0	1.04E-06	1.45E-07	0	0	1.45E-07	7.35E-08	1.21E-07	3.4E-07	1.51E-07
0	0	0	0	0	0	0	0	0.000189	0.000145	0.000333	0
0.000185	0	0.000762	0.000947	1.38E-05	0	5.33E-06	1.92E-05	0.000142	0.000102	0.000263	1.51E-05
0.645789	0	0.617903	1.263692	0.014389	0	0.002753	0.017142	0.052027	0.086297	0.155465	0.015649
0.002879	0	0	0.002879	0.000398	0	0	0.000398	0.000199	0.00033	0.000927	0.000416
0	0	0	0	0	0	0	0	0.001401	0.001076	0.002477	0
0.00179	0	0.00758	0.009369	0.000141	0	5.64E-05	0.000197	0.001363	0.00098	0.002539	0.000153
0.028951	0.00091	0.216194	0.246056	0.001223	0	5.7E-05	0.00128	0.002558	0.034913	0.03875	0.00133
0.241624	0.026838	0	0.268462	0.010789	0.000672	0	0.011461	0.002792	0.025405	0.039658	0.011277
0	0	0	0	0	0	0	0	0.002586	0.017648	0.020234	0
0.005262	0.000128	0.030979	0.036369	0.000166	0	7.4E-06	0.000174	0.000359	0.00571	0.006242	0.000181
0.140644	0.012819	0	0.153464	0.005747	0.000316	0	0.006063	0.001279	0.013574	0.020915	0.006007
0	0	0	0	0	0	0	0	0.000665	0.005295	0.00596	0
0.188142	0	0.010106	0.198248	0.000846	0	0.000454	0.0013	0.000408	0.001714	0.003423	0.000908
0.427309	0	0.391674	0.818983	0.008611	0	0.001683	0.010294	0.029445	0.049883	0.089622	0.009365
0.002742	0	0	0.002742	0.000231	0	0	0.000231	0.000327	0.000557	0.001115	0.000242
0	0	0	0	0	0	0	0	0.001275	0.00098	0.002255	0
0.001092	0	0.004738	0.00583	8.92E-05	0	3.66E-05	0.000126	0.000829	0.000597	0.001552	9.7E-05
0.005296	0	0.000214	0.00551	4.92E-05	0	1.57E-07	4.94E-05	0.000158	0.000787	0.000994	5.35E-05
0.064656	0	0	0.064656	0.001133	0	0	0.001133	0.000124	0.00046	0.001716	0.001184
0.012935	0.00027	0.024352	0.037558	0.000136	0	3.26E-05	0.000168	0.000436	0.002173	0.002778	0.000147
0.276366	0.268671	0.422063	0.967099	0.004218	7.29E-05	0	0.004291	0.003037	0.015148	0.022476	0.004409
0	0	0	0	0	0	0	0	0.002221	0.005539	0.007759	0
0.000969	0.002326	0	0.003294	1.48E-05	7.81E-06	0	2.26E-05	4.59E-05	0.000229	0.000297	1.61E-05
0.003061	3.04E-05	0.003816	0.006908	1.87E-05	0	3.41E-06	2.21E-05	5.82E-05	0.000294	0.000375	2.03E-05
0.03887	0.004847	0.008324	0.052041	0.000697	4.9E-06	0	0.000702	0.000129	0.001011	0.001841	0.000729
0	0	0	0	0	0	0	0	4.83E-05	0.000122	0.00017	0
0.000533	0.000194	0	0.000727	7.22E-06	6.02E-07	0	7.82E-06	2.07E-05	0.000105	0.000134	7.85E-06
0.004345	0.000452	0.002026	0.006822	3.4E-05	0	1.55E-06	3.55E-05	5.17E-05	0.000424	0.000511	3.69E-05
0.007326	0.004254	0.003633	0.015213	4.61E-05	1.4E-06	0	4.75E-05	2.31E-05	0.000126	0.000197	4.82E-05
0	0	0	0	0	0	0	0	4.51E-05	0.00014	0.000186	0
0.009731	0.005207	0	0.014938	8.6E-05	1.56E-05	0	0.000102	6.26E-05	0.000342	0.000506	9.35E-05
0.001009	0	0.000369	0.001378	5.22E-05	0	1.73E-07	5.23E-05	0.000108	0.001724	0.001884	5.67E-05
0	0	0	0	0	0	0	0	0.001296	0.00288	0.004176	0
0.000852	0	0	0.000852	2.87E-06	0	0	2.87E-06	4.95E-05	0.000218	0.00027	3E-06

PM10_IDLI	PM10_STR	PM10_TOT	PM10_PM1	PM10_PM2	PM10_TOT	CO2_RUNE	CO2_IDLEX	CO2_STRE	CO2_TOTE	CH4_RUNE	CH4_IDLEX
0	3.98E-08	4.65E-07	8.43E-06	3.54E-05	4.43E-05	0.69455	0	0.003404	0.697954	2.91E-05	0
0.000319	0	0.041229	0.059913	0.137901	0.239042	2237.332	139.3231	0	2376.655	0.000812	0.003321
0	0	0	0.012224	0.015645	0.027869	0	0	0	0	0	0
4.52E-05	0	0.000215	0.003681	0.014748	0.018644	104.9206	13.67745	0	118.5981	0.081586	0.030766
0	0.005069	0.031227	0.366004	0.372003	0.769234	10882.08	0	303.3962	11185.48	0.04836	0
0	0	4.79E-05	0.000232	0.000237	0.000517	5.680228	0	0	5.680228	7.85E-06	0
0	0	0	0.051523	0.02826	0.079783	0	0	0	0	0	0
0	0.000214	0.000734	0.017474	0.008966	0.027174	256.4853	0	12.84621	269.3316	0.000828	0
0	0.000482	0.002829	0.027199	0.032832	0.062861	949.5912	0	28.14052	977.7318	0.005054	0
0	0	1.51E-07	2.94E-07	3.47E-07	7.93E-07	0.013227	0	0	0.013227	2.31E-08	0
0	0	0	0.000754	0.000414	0.001168	0	0	0	0	0	0
0	5.8E-06	2.09E-05	0.000567	0.000291	0.000879	8.236805	0	0.457053	8.693858	2.67E-05	0
0	0.002994	0.018643	0.208107	0.246562	0.473313	7637.553	0	217.9702	7855.523	0.038195	0
0	0	0.000416	0.000797	0.000944	0.002157	27.38902	0	0	27.38902	6.31E-05	0
0	0	0	0.005604	0.003074	0.008678	0	0	0	0	0	0
0	6.13E-05	0.000214	0.005451	0.002799	0.008465	79.5892	0	4.906875	84.49607	0.000257	0
0	6.2E-05	0.001392	0.010231	0.099751	0.111373	631.7508	3.79561	12.47715	648.0235	0.000622	0.0031
0.000703	0	0.01198	0.011167	0.072585	0.095732	427.2234	2.989288	0	430.2127	0.001977	0.00013
0	0	0	0.010343	0.050423	0.060766	0	0	0	0	0	0
0	8.05E-06	0.000189	0.001434	0.016315	0.017938	100.537	0.659416	1.821942	103.0183	8.35E-05	0.000432
0.00033	0	0.006337	0.005114	0.038782	0.050233	227.9328	2.27523	0	230.208	0.001059	6.13E-05
0	0	0	0.00266	0.015129	0.017789	0	0	0	0	0	0
0	0.000486	0.001394	0.001633	0.004898	0.007925	75.91185	0	5.065539	80.97738	0.056231	0
0	0.001831	0.011196	0.117779	0.142522	0.271497	5256.933	0	154.2301	5411.163	0.023755	0
0	0	0.000242	0.001307	0.001592	0.003141	58.92857	0	0	58.92857	4.36E-05	0
0	0	0	0.005099	0.0028	0.007899	0	0	0	0	0	0
0	3.98E-05	0.000137	0.003317	0.001705	0.005159	48.55006	0	3.741325	52.29138	0.000156	0
0	1.71E-07	5.37E-05	0.000632	0.002247	0.002933	92.17714	0	0.014463	92.19161	0.000162	0
0	0	0.001184	0.000495	0.001315	0.002993	30.82483	0	0	30.82483	5.56E-05	0
0	3.54E-05	0.000183	0.001746	0.00621	0.008138	211.2046	1.899104	3.010127	216.1138	0.000364	0.000997
7.62E-05	0	0.004485	0.012148	0.043279	0.059912	999.183	50.72622	0	1049.909	0.00025	0.000214
0	0	0	0.008883	0.015825	0.024708	0	0	0	0	0	0
8.49E-06	0	2.45E-05	0.000184	0.000653	0.000861	11.87936	1.951121	0	13.83048	0.007975	0.005714
0	3.7E-06	2.4E-05	0.000233	0.000841	0.001098	28.05783	0.211649	0.341323	28.6108	8.64E-05	0.000115
5.12E-06	0	0.000734	0.000515	0.002887	0.004136	52.32927	1.625911	0	53.95518	4.91E-05	3.1E-05
0	0	0	0.000193	0.000349	0.000542	0	0	0	0	0	0
6.55E-07	0	8.51E-06	8.3E-05	0.0003	0.000391	5.309095	0.148474	0	5.457569	0.00399	0.000493
0	1.68E-06	3.86E-05	0.000207	0.001211	0.001456	21.83381	1.424552	0.117955	23.37632	6.96E-05	0.001421
1.46E-06	0	4.96E-05	9.24E-05	0.000361	0.000503	8.942463	0.731387	0	9.67385	8.18E-06	2.89E-06
0	0	0	0.00018	0.000401	0.000582	0	0	0	0	0	0
1.7E-05	0	0.00011	0.00025	0.000977	0.001338	32.21344	4.311696	0	36.52513	0.078339	0.013483
0	1.88E-07	5.69E-05	0.000433	0.004925	0.005415	28.83705	0	0.04435	28.8814	2.74E-05	0
0	0	0	0.005183	0.008229	0.013412	0	0	0	0	0	0
0	0	3E-06	0.000198	0.000623	0.000824	14.55653	0	0	14.55653	0.02656	0

CH4_STRE	CH4_TOTE	N2O_RUNI	N2O_IDLE	N2O_STRE	N2O_TOTE	ROG_RUNI	ROG_IDLE	ROG_STRE	ROG_TOTE	ROG_DIUR	ROG_HOT
1.08E-08	2.91E-05	4.32E-05	0	2.98E-07	4.35E-05	0.000128	0	5.49E-08	0.000128	6.5E-06	1.03E-06
0	0.004133	0.352493	0.02195	0	0.374443	0.017477	0.07151	0	0.088987	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0.112352	0.021389	0.002788	0	0.024177	0.001635	0.000464	0	0.002099	0	0
0.177298	0.225658	0.14335	0	0.132789	0.276139	0.142871	0	0.690797	0.833669	1.07305	0.220041
0	7.85E-06	0.000895	0	0	0.000895	0.000169	0	0	0.000169	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.008478	0.009307	0.000992	0	0.004152	0.005144	0.002687	0	0.035523	0.038209	0.039673	0.008461
0.017037	0.022092	0.012665	0	0.011583	0.024248	0.0169	0	0.070421	0.087321	0.15853	0.029827
0	2.31E-08	2.08E-06	0	0	2.08E-06	4.98E-07	0	0	4.98E-07	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.000266	0.000293	3.2E-05	0	0.000131	0.000163	8.63E-05	0	0.001109	0.001196	0.000752	0.000198
0.130158	0.168353	0.091662	0	0.091282	0.182944	0.119846	0	0.520905	0.640751	0.690551	0.136661
0	6.31E-05	0.004315	0	0	0.004315	0.001358	0	0	0.001358	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.002635	0.002892	0.000307	0	0.001291	0.001598	0.000834	0	0.011037	0.011871	0.009274	0.0022
0.010955	0.014677	0.002553	9E-05	0.020828	0.023471	0.002109	0.010452	0.048455	0.061016	0.070898	0.011871
0	0.002108	0.067309	0.000471	0	0.06778	0.042574	0.002804	0	0.045378	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.001522	0.002037	0.000488	1.23E-05	0.00289	0.00339	0.000282	0.001466	0.006732	0.008479	0.012495	0.002061
0	0.00112	0.035911	0.000358	0	0.036269	0.022791	0.001319	0	0.02411	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.017736	0.073967	0.01424	0	0.000662	0.014901	0.336466	0	0.12439	0.460856	0.243463	0.490897
0.08137	0.105125	0.055789	0	0.055246	0.111035	0.076976	0	0.335758	0.412734	0.475432	0.091186
0	4.36E-05	0.009284	0	0	0.009284	0.000938	0	0	0.000938	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0.001644	0.0018	0.000186	0	0.000803	0.000989	0.000509	0	0.0069	0.007408	0.006526	0.001472
1.62E-05	0.000178	0.000631	0	2.52E-05	0.000656	0.000447	0	5.68E-05	0.000504	0.010733	0.001878
0	5.56E-05	0.004856	0	0	0.004856	0.001196	0	0	0.001196	0	0
0.002842	0.004203	0.001119	2.44E-05	0.002046	0.003189	0.001448	0.003879	0.014395	0.019722	0.012388	0.001896
0	0.000465	0.157422	0.007992	0	0.165414	0.005392	0.004614	0	0.010005	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0.013689	0.002422	0.000398	0	0.002819	0.000114	8.16E-05	0	0.000196	0	0
0.000373	0.000574	0.000185	2.44E-06	0.000279	0.000467	0.00039	0.000453	0.001987	0.00283	0.002112	0.000363
0	8.01E-05	0.008244	0.000256	0	0.008501	0.001058	0.000666	0	0.001724	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0.004484	0.001082	3.03E-05	0	0.001113	5.7E-05	7.05E-06	0	6.41E-05	0	0
0.00015	0.00164	0.000382	4.22E-05	0.000178	0.000603	0.000301	0.006143	0.000831	0.007274	0.002596	0.000401
0	1.11E-05	0.001409	0.000115	0	0.001524	0.000176	6.23E-05	0	0.000238	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0.091821	0.006567	0.000879	0	0.007446	0.001119	0.000193	0	0.001312	0	0
3.95E-05	6.69E-05	0.000187	0	6.85E-05	0.000256	6.39E-05	0	0.000118	0.000182	0.000109	3E-05
0	0	0	0	0	0	0	0	0	0	0	0
0	0.02656	0.002967	0	0	0.002967	0.000379	0	0	0.000379	0	0

ROG_RUNI	ROG_TOTA	TOG_RUNI	TOG_IDLE	TOG_STRE	TOG_TOTE	TOG_DIUR	TOG_HOTS	TOG_RUNI	TOG_TOTA	CO_RUNE	CO_IDLEX
1.25E-05	0.000148	0.000187	0	6.01E-08	0.000187	6.5E-06	1.03E-06	1.25E-05	0.000207	0.011393	0
0	0.088987	0.019896	0.081409	0	0.101305	0	0	0	0.101305	0.07442	1.055056
0	0	0	0	0	0	0	0	0	0	0	0
0	0.002099	0.083799	0.031427	0	0.115226	0	0	0	0.115226	0.515304	0.112414
0.783246	2.910007	0.208477	0	0.756336	0.964814	1.07305	0.220041	0.783246	3.041152	22.10017	0
0	0.000169	0.000192	0	0	0.000192	0	0	0	0.000192	0.004634	0
0	0	0	0	0	0	0	0	0	0	0	0
0.016177	0.10252	0.003921	0	0.038893	0.042813	0.039673	0.008461	0.016177	0.107124	0.406061	0
0.111716	0.387393	0.02466	0	0.077102	0.101762	0.15853	0.029827	0.111716	0.401835	1.972363	0
0	4.98E-07	5.67E-07	0	0	5.67E-07	0	0	0	5.67E-07	5.09E-06	0
0	0	0	0	0	0	0	0	0	0	0	0
0.000251	0.002397	0.000126	0	0.001215	0.001341	0.000752	0.000198	0.000251	0.002542	0.01304	0
0.506219	1.974181	0.174878	0	0.570325	0.745204	0.690551	0.136661	0.506219	2.078634	15.08491	0
0	0.001358	0.001546	0	0	0.001546	0	0	0	0.001546	0.013992	0
0	0	0	0	0	0	0	0	0	0	0	0
0.003395	0.02674	0.001217	0	0.012084	0.0133	0.009274	0.0022	0.003395	0.02817	0.126004	0
0.093332	0.237118	0.003077	0.015252	0.053053	0.071381	0.070898	0.011871	0.093332	0.247483	0.644212	0.131888
0	0.045378	0.048467	0.003193	0	0.05166	0	0	0	0.05166	0.085116	0.023244
0	0	0	0	0	0	0	0	0	0	0	0
0.016332	0.039367	0.000411	0.002139	0.00737	0.009921	0.012495	0.002061	0.016332	0.040809	0.091542	0.01969
0	0.02411	0.025946	0.001502	0	0.027447	0	0	0	0.027447	0.046888	0.010932
0	0	0	0	0	0	0	0	0	0	0	0
0.507077	1.702293	0.419149	0	0.135424	0.554573	0.243463	0.490897	0.507077	1.796009	4.134933	0
0.346522	1.325874	0.112323	0	0.367613	0.479935	0.475432	0.091186	0.346522	1.393076	9.020331	0
0	0.000938	0.001068	0	0	0.001068	0	0	0	0.001068	0.027152	0
0	0	0	0	0	0	0	0	0	0	0	0
0.002526	0.017933	0.000742	0	0.007554	0.008296	0.006526	0.001472	0.002526	0.018821	0.076863	0
5.83E-05	0.013174	0.000652	0	6.21E-05	0.000714	0.010733	0.001878	5.83E-05	0.013384	0.008194	0
0	0.001196	0.001362	0	0	0.001362	0	0	0	0.001362	0.004246	0
0.022557	0.056563	0.002113	0.005661	0.01576	0.023534	0.012388	0.001896	0.022557	0.060375	0.030481	0.05538
0	0.010005	0.006138	0.005252	0	0.01139	0	0	0	0.01139	0.037081	0.194018
0	0	0	0	0	0	0	0	0	0	0	0
0	0.000196	0.008139	0.005832	0	0.01397	0	0	0	0.01397	0.027905	0.015366
0.002294	0.007599	0.000569	0.000661	0.002175	0.003406	0.002112	0.000363	0.002294	0.008174	0.009882	0.003504
0	0.001724	0.001204	0.000759	0	0.001963	0	0	0	0.001963	0.004765	0.010373
0	0	0	0	0	0	0	0	0	0	0	0
0	6.41E-05	0.004072	0.000504	0	0.004576	0	0	0	0.004576	0.015634	0.001172
0.00178	0.012051	0.000439	0.008964	0.000909	0.010312	0.002596	0.000401	0.00178	0.015089	0.005501	0.047476
0	0.000238	0.000201	7.09E-05	0	0.000271	0	0	0	0.000271	0.000767	0.002487
0	0	0	0	0	0	0	0	0	0	0	0
0	0.001312	0.07995	0.01376	0	0.09371	0	0	0	0.09371	0.243201	0.030189
0.000117	0.000438	9.33E-05	0	0.00013	0.000223	0.000109	3E-05	0.000117	0.000479	0.02536	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0.000379	0.027106	0	0	0.027106	0	0	0	0.027106	0.311482	0

CO_STREX	CO_TOTEX	SOx_RUNE	SOx_IDLEX	SOx_STREX	SOx_TOTEX	NH3_RUNE	Fuel Consumption
0.000358	0.011751	6.87E-06	0	3.37E-08	6.9E-06	1.9E-05	0.073598
0	1.129477	0.021186	0.001319	0	0.022505	0.373479	212.3056
0	0	0	0	0	0	0	0
0	0.627718	0	0	0	0	0.084498	13.70813
8.583024	30.6832	0.10758	0	0.002999	0.11058	1.911086	1179.494
0	0.004634	5.38E-05	0	0	5.38E-05	8.98E-05	0.507413
0	0	0	0	0	0	0	0
0.269672	0.675733	0.002536	0	0.000127	0.002663	0.037707	28.40068
0.782906	2.755269	0.009388	0	0.000278	0.009666	0.139267	103.1006
0	5.09E-06	1.25E-07	0	0	1.25E-07	1.14E-07	0.001182
0	0	0	0	0	0	0	0
0.008422	0.021463	8.14E-05	0	4.52E-06	8.59E-05	0.001213	0.916756
6.238255	21.32317	0.075505	0	0.002155	0.07766	1.083307	828.3551
0	0.013992	0.00026	0	0	0.00026	0.000309	2.44665
0	0	0	0	0	0	0	0
0.083786	0.20979	0.000787	0	4.85E-05	0.000835	0.011724	8.910006
1.640269	2.416369	0.006245	3.75E-05	0.000123	0.006406	0.057548	68.33327
0	0.108361	0.004048	2.83E-05	0	0.004076	0.200438	38.43073
0	0	0	0	0	0	0	0
0.245049	0.356281	0.000994	6.52E-06	1.8E-05	0.001018	0.008068	10.86315
0	0.05782	0.00216	2.16E-05	0	0.002181	0.091336	20.56439
0	0	0	0	0	0	0	0
0.977006	5.111938	0.00075	0	5.01E-05	0.000801	0.003729	8.538964
3.736374	12.7567	0.05197	0	0.001525	0.053495	0.611203	570.6004
0	0.027152	0.000558	0	0	0.000558	0.000507	5.264066
0	0	0	0	0	0	0	0
0.052378	0.129242	0.00048	0	3.7E-05	0.000517	0.007152	5.514061
0.001201	0.009395	0.000911	0	1.43E-07	0.000911	0.002369	9.72149
0	0.004246	0.000292	0	0	0.000292	0.006233	2.75357
0.261785	0.347646	0.002088	1.88E-05	2.98E-05	0.002137	0.006546	22.78893
0	0.231099	0.009462	0.00048	0	0.009942	0.222413	93.78797
0	0	0	0	0	0	0	0
0	0.043271	0	0	0	0	0.016213	1.598592
0.038216	0.051602	0.000277	2.09E-06	3.37E-06	0.000283	0.000873	3.016973
0	0.015138	0.000496	1.54E-05	0	0.000511	0.00926	4.819795
0	0	0	0	0	0	0	0
0	0.016806	0	0	0	0	0.007331	0.630812
0.016948	0.069925	0.000216	1.41E-05	1.17E-06	0.000231	0.001163	2.465004
0	0.003254	8.47E-05	6.93E-06	0	9.16E-05	0.001614	0.864161
0	0	0	0	0	0	0	0
0	0.27339	0	0	0	0	0.022107	4.221748
0.007469	0.032828	0.000285	0	4.38E-07	0.000286	0.002436	3.045507
0	0	0	0	0	0	0	0
0	0.311482	0	0	0	0	0.005492	1.682513

**Garden Grove Focused General Plan Plan Update and Zoning Amendment
City of Garden Grove, California**

Appendix E: Noise Data

Prepared by: MIG, Inc.

Julne 2021

Appendix Contents

[Sheet 1: LT ANM](#)

Summary of Long-Term Ambient Noise Monitoring

[Sheet 2: ST ANM](#)

Summary of Short-Term Ambient Noise Monitoring

Sheet 1: Summary of Long-Term Ambient Noise Monitoring Data

Table 1: Summary of Long-Term Ambient Noise Measurements in the Planning Area

Date	Start Time	End Time	Leq	Lmin	Lmax	L02	L08	L25	L50	L67	L90
Monday, May 24, 2021	9:00 AM	10:00 AM	58.8	46.3	72.6	63.8	62.2	60.3	57.6	55.7	52.0
Monday, May 24, 2021	10:00 AM	11:00 AM	62.5	46.9	73.0	66.1	65.1	63.6	62.0	60.8	58.5
Monday, May 24, 2021	11:00 AM	12:00 PM	59.7	46.7	72.9	64.4	62.9	61.2	58.8	57.2	53.9
Monday, May 24, 2021	12:00 PM	1:00 PM	61.0	46.3	86.8	69.5	65.0	60.8	58.6	56.8	53.1
Monday, May 24, 2021	1:00 PM	2:00 PM	59.2	46.4	76.7	64.8	62.8	60.4	58.2	56.2	53.1
Monday, May 24, 2021	2:00 PM	3:00 PM	59.5	47.4	71.6	64.3	62.7	61.0	58.7	56.8	53.5
Monday, May 24, 2021	3:00 PM	4:00 PM	59.6	46.6	77.3	64.8	62.5	60.8	58.8	57.3	54.3
Monday, May 24, 2021	4:00 PM	5:00 PM	59.9	44.7	77.6	65.4	63.4	61.1	58.9	57.1	54.1
Monday, May 24, 2021	5:00 PM	6:00 PM	60.0	46.5	75.2	65.0	63.1	61.3	59.2	57.6	54.1
Monday, May 24, 2021	6:00 PM	7:00 PM	59.8	44.1	75.3	65.4	63.2	61.0	58.9	57.1	53.1
Monday, May 24, 2021	7:00 PM	8:00 PM	58.9	44.4	72.7	64.1	62.6	60.6	57.9	55.4	50.9
Monday, May 24, 2021	8:00 PM	9:00 PM	58.4	43.8	70.7	63.8	62.0	59.9	57.1	55.1	51.5
Monday, May 24, 2021	9:00 PM	10:00 PM	57.0	44.6	75.7	63.6	61.2	58.3	55.0	52.5	48.8
Monday, May 24, 2021	10:00 PM	11:00 PM	56.4	45.9	72.6	62.8	60.4	57.5	54.5	52.6	50.1
Monday, May 24, 2021	11:00 PM	12:00 AM	55.4	45.3	72.5	62.2	59.6	56.1	52.9	51.5	50.2
Tuesday, May 25, 2021	12:00 AM	1:00 AM	51.5	40.3	65.0	59.2	56.2	52.2	47.7	46.1	44.6
Tuesday, May 25, 2021	1:00 AM	2:00 AM	54.6	39.9	84.2	67.5	56.4	49.2	45.2	44.1	43.2
Tuesday, May 25, 2021	2:00 AM	3:00 AM	48.7	39.6	64.2	57.2	53.7	48.1	44.2	43.1	42.0
Tuesday, May 25, 2021	3:00 AM	4:00 AM	49.7	38.7	71.4	58.6	55.0	48.7	43.5	42.5	41.7
Tuesday, May 25, 2021	4:00 AM	5:00 AM	52.6	41.1	77.5	62.1	57.8	51.8	46.4	44.4	43.4
Tuesday, May 25, 2021	5:00 AM	6:00 AM	54.7	43.3	66.5	61.3	59.2	56.0	51.7	49.7	48.1
Tuesday, May 25, 2021	6:00 AM	7:00 AM	57.1	42.7	68.3	63.1	61.4	58.9	55.0	51.8	48.0
Tuesday, May 25, 2021	7:00 AM	8:00 AM	59.0	42.5	70.3	64.3	62.8	60.7	57.7	55.3	50.5
Tuesday, May 25, 2021	8:00 AM	9:00 AM	64.0	43.2	88.3	72.1	68.7	65.6	59.1	57.1	52.8
<i>Daytime (7 AM to 10 PM)</i>			60.54	42.48	88.29	66.68	64.16	61.8	59.03	57.31	54.02
<i>Evening (7 PM to 10 AM)</i>			58.18	43.82	75.66	63.86	61.96	59.68	56.82	54.54	50.56
<i>Nighttime (10 PM to 7 AM)</i>			54.21	38.74	84.21	62.58	58.41	54.75	50.99	48.93	46.86
<i>DNL</i>			62.14							<i>CNEL</i>	62.59

Sheet 1: Summary of Long-Term Ambient Noise Monitoring Data

Table 1: Summary of Long-Term Ambient Noise Measurements in the Planning Area

Site	Date	Start Time	Duration	Leq	Lmin	Lmax	L02	L08	L25	L50	L67	L90
ST-01A	5/21/21	9:00 AM	30 Minutes	69.0	56.1	87.9	76.3	72.5	69.3	66.4	64.4	61.1
ST-01B	5/24/21	12:21 PM	30 Minutes	56.3	49.5	70.6	63.4	58.5	56.5	54.8	53.3	51.4
ST-01C	5/24/21	1:00 PM	15 Minutes	49.1	45.2	62.5	55.0	50.5	49.2	48.1	47.5	46.7
ST-02	5/21/21	9:38 AM	30 Minutes	62.8	59.6	76.6	69.4	64.0	62.6	61.8	61.5	60.9
ST-03	5/21/21	10:20 AM	45 Minutes	71.0	62.5	82.1	77.6	74.9	71.8	68.9	67.2	64.8
ST-04	5/21/21	11:32 AM	30 Minutes	72.5	51.5	89.2	79.5	76.7	74.1	68.2	64.1	58.4
ST-05	5/24/21	11:37 AM	30 Minutes	68.9	53.0	84.8	74.9	72.8	70.0	66.9	64.8	60.1
ST-06	5/21/21	1:28 PM	30 Minutes	68.4	49.9	77.0	74.8	72.6	70.0	66.4	64.2	57.1
ST-07	5/21/21	12:41 PM	15 Minutes	73.0	51.2	99.5	76.7	72.1	68.8	64.9	61.9	55.3
ST-08	5/21/21	1:53 PM	15 Minutes	75.9	57.7	97.9	83.2	75.0	72.9	69.9	67.8	63.9
ST-09	5/24/21	10:51 AM	30 Minutes	63.1	56.8	80.3	72.4	65.5	62.3	58.8	58.3	57.8
ST-10	5/24/21	10:03 AM	30 Minutes	68.6	55.4	86.7	75.3	71.7	69.2	66.7	64.7	61.2
ST-11	5/24/21	9:23 AM	30 Minutes	72.7	54.4	84.9	80.5	76.8	73.9	69.5	66.5	61.9

Garden Grove Focused General Plan Plan Update and Zoning Amendment City of Garden Grove, California

Appendix E: Noise Data

Prepared by: MIG, Inc.

June 2021

Appendix Contents

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Sheet 3: 2020EX CNTR	2020 Existing Traffic Noise Contours
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Sheet 6: 2040NP VOLPEI	2040 No Project Road Traffic Volume Information (Percentages)
Sheet 7: 2040GP CNTR	2040 FGPUZA Road Traffic Volume Information (ADT)
Sheet 8: 2040GP VOLPEI	2040 FGPUZA Traffic Noise Contours
Sheet 9: EMFAC VCDs	EMFAC Vehicle Class Distributions

West of Dale Street	26,158	68.5	29,009	69.1	30,096	69.3	1,087	0.2
East of Gilbert Street	32,330	69.0	34,301	69.4	37,813	69.8	3,512	0.4
West of Centur Boulevard	25,284	67.8	24,216	67.8	26,520	68.2	2,304	0.4
West of West Street	31,681	69.2	28,268	68.9	37,175	70.1	8,907	1.2
West of Haster Street	28,783	68.7	32,261	69.4	32,846	69.5	585	0.1
Harbor Boulevard								
North of Garden Grove Boulevard	34,268	69.2	40,594	70.1	44,428	70.5	3,834	0.4
South of Garden Grove Boulevard	37,356	69.5	42,386	70.2	48,061	70.8	5,675	0.6
Magnolia Street								
North of Garden Grove Boulevard	34,316	69.2	31,549	69.0	34,287	69.4	2,738	0.4
North of Garden Trask Avenue	34,983	69.2	35,095	69.4	37,944	69.7	2,849	0.3
Trask Avenue								
East of Magnolia Street	21,932	67.2	23,041	67.6	23,767	67.8	726	0.2
East of Brookhurst Street	19,623	66.8	23,120	67.7	24,426	67.9	1,306	0.2
Westminster Avenue								
East of Brookhurst Street	33,809	70.9	34,573	71.2	36,319	71.4	1,746	0.2

SHEET 2: TNM Roadway Geometry Information

Road / Segment	Road Travel Lanes ^(A)		Road Width in Feet ^(B)			Speed ^(C)
	Total	Modeled	Total	Direction 1	Direction 2	MPH
Brookhurst Street						
North of Garden Grove Boulevard	6	2	110	55	55	40
North of Trask Avenue	6	2	100	50	50	40
Chapman Avenue						
East of Springdale Street	4	2	82	41	41	45
West of Magnolia Street	4	2	75	38	38	40
West of Euclid Street	4	2	75	38	38	40
West of Harbor Boulevard	4	2	75	38	38	40
Euclid Street						
North of Acacia Parkway	6	2	86	43	43	40
South of Garden Grove Boulevard	6	2	86	43	43	40
Garden Grove Boulevard						
West of Dale Street	4	2	86	43	43	40
East of Gilbert Street	6	2	86	43	43	40
West of Century Boulevard	6	2	86	43	43	40
West of West Street	6	2	86	43	43	40
West of Haster Street	6	2	86	43	43	40
Harbor Boulevard						
North of Garden Grove Boulevard	6	2	90	45	45	40
South of Garden Grove Boulevard	6	2	90	45	45	40
Magnolia Street						
North of Garden Grove Boulevard	4	2	80	40	40	40
North of Garden Trask Avenue	4	2	80	40	40	40
Trask Avenue						
East of Magnolia Street	4	2	64	32	32	40
East of Brookhurst Street	4	2	64	32	32	40
Westminster Avenue						
East of Brookhurst Street	4	2	84	42	42	45

Table Notes:

A - Total travel lanes includes north and southbound or east and westbound travel lanes. All roads were modeled as a single lane in each direction.

B - Total road width is measured from curb to curb or edge of pavement. Width does not include any unpaved part of the right of way. Direction 1 refers to one travel direction (e.g., northbound) and direction 2 refers to the opposite travel direction (e.g., southbound). Road direction widths were set to overlap by one foot but fit within the overall road width.

C - Speed is based on highest posted speed limit in the modeled roadway segment.

Garden Grove Focused General Plan Update and Zoning Amendment

City of Garden Grove, California

Appendix E: Noise Data

Sheet 3: 2020 Existing Traffic Noise Contours

Road / Segment	Estimated CNEL 50 Feet from Road Center Line ^(A)	Estimated Distance from Modeled Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
Brookhurst Street					
North of Garden Grove Boulevard	70.0	16	50	158	500
North of Trask Avenue	71.0	20	63	199	629
Chapman Avenue					
East of Springdale Street	65.1	5	16	51	162
West of Magnolia Street	66.7	7	23	74	234
West of Euclid Street	67.0	8	25	79	251
West of Harbor Boulevard	65.9	6	19	62	195
Euclid Street					
North of Acacia Parkway	69.9	15	49	155	489
South of Garden Grove Boulevard	70.6	18	57	182	574
Garden Grove Boulevard					
West of Dale Street	68.5	11	35	112	354
East of Gilbert Street	69.0	13	40	126	397
West of Century Boulevard	67.8	10	30	95	301
West of West Street	69.2	13	42	132	416
West of Haster Street	68.7	12	37	117	371
Harbor Boulevard					
North of Garden Grove Boulevard	69.2	13	42	132	416

South of Garden Grove Boulevard	69.5	14	45	141	446
Magnolia Street					
North of Garden Grove Boulevard	69.2	13	42	132	416
North of Trask Avenue	69.2	13	42	132	416
Trask Avenue					
East of Magnolia Street	67.2	8	26	83	262
East of Brookhurst Street	66.8	8	24	76	239
Westminster Avenue					
East of Brookhurst Street	70.9	19	62	195	615

SHEET 4: 2019 Road Traffic Volume Information (Percentages)

2020 EXISTING TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
Brookhurst Street																	
North of Garden Grove Boulevard	39,808	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
North of Trask Avenue	52,057	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
Chapman Avenue																	
East of Springdale Street	9,315	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
West of Magnolia Street	18,230	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
West of Euclid Street	19,140	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
West of Harbor Boulevard	15,412	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
Euclid Street																	
North of Acacia Parkway	39,217	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
South of Garden Grove Boulevard	43,300	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
Garden Grove Boulevard																	
West of Dale Street	26,158	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
East of Gilbert Street	32,330	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
West of Centur Boulevard	25,284	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
West of West Street	31,681	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
West of Haster St	28,783	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
Harbor Boulevard																	
North of Garden Grove Boulevard	34,268	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
South of Garden Grove Boulevard	37,356	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
Magnolia Street																	
North of Garden Grove Boulevard	34,316	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D
North of Trask Avenue	34,983	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D

Trask Avenue																		
East of Magnolia Street	21,932	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D	
East of Brookhurst Street	19,623	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D	
Westminster Avenue																		
East of Brookhurst Street	33,809	77.00%	12.00%	11.00%	95%	2%	1%	2%	95%	2%	1%	2%	95%	2%	1%	2%	A,B,C,D	

Table Notes:

A - City traffic volume informaton based on modeling from the Garden Grove Housing Element Update VMT Analysis (Fehr and Peers, 2021).

B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different individual segments within the modeled segment start and end point.

C - Time of day split refers to what percentage of the listed ADT occurs during the daytime (7 AM to 7 PM), evening (7 PM to 10 PM), and nighttime (10 PM to 7 AM) time periods

D - Fleet mix by time of day refers to the percentage of autos, trucks, etc. that make up total day, evening, and nighttime traffic.

Garden Grove Focused General Plan Update and Zoning Amendment

City of Garden Grove, California

Appendix E: Noise Data

Sheet 3: 2040 No Project Traffic Noise Contours

Road / Segment	Estimated CNEL 50 Feet from Road Center Line ^(A)	Estimated Distance from Modeled Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
Brookhurst Street					
North of Garden Grove Boulevard	70.5	18	56	177	561
North of Trask Avenue	71.3	21	67	213	674
Chapman Avenue					
East of Springdale Street	64.1	4	13	41	129
West of Magnolia Street	66.0	6	20	63	199
West of Euclid Street	66.9	8	24	77	245
West of Harbor Boulevard	65.3	5	17	54	169
Euclid Street					
North of Acacia Parkway	70.1	16	51	162	512
South of Garden Grove Boulevard	70.9	19	62	195	615
Garden Grove Boulevard					
West of Dale Street	69.1	13	41	129	406
East of Gilbert Street	69.4	14	44	138	435
West of Centur Boulevard	67.8	10	30	95	301
West of Haster Street	68.9	12	39	123	388
West of West Street	69.4	14	44	138	435
Harbor Boulevard					
North of Garden Grove Boulevard	70.1	16	51	162	512

South of Garden Grove Boulevard	70.2	17	52	166	524
Magnolia Street					
North of Garden Grove Boulevard	69.0	13	40	126	397
North of Trask Avenue	69.4	14	44	138	435
Trask Avenue					
East of Magnolia Street	67.6	9	29	91	288
East of Brookhurst Street	67.7	9	29	93	294
Westminster Avenue					
East of Brookhurst Street	71.2	21	66	208	659

SHEET 6: 2040 No Project Road Traffic Volume Information (Percentages)

2040 NO PROJECT TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
Brookhurst Street																	
North of Garden Grove Boulevard	42,766	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
North of Trask Avenue	53,300	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Chapman Avenue																	
East of Springdale Street	7,105	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Magnolia Street	14,977	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Euclid Street	17,916	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Harbor Boulevard	12,929	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Euclid Street																	
North of Acacia Parkway	39,482	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
South of Garden Grove Boulevard	44,848	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Garden Grove Boulevard																	
West of Dale Street	29,009	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
East of Gilbert Street	34,301	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Centur Boulevard	24,216	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of West Street	28,268	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Haster Street	32,261	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Harbor Boulevard																	
North of Garden Grove Boulevard	40,594	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
South of Garden Grove Boulevard	42,386	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Magnolia Street																	

SHEET 6: 2040 No Project Road Traffic Volume Information (Percentages)

2040 NO PROJECT TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
North of Garden Grove Boulevard	31,549	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
North of Trask Avenue	35,095	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Trask Avenue																	
East of Magnolia Street	23,041	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
East of Brookhurst Street	23,120	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Westminster Avenue																	
East of Brookhurst Street	34,573	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D

Table Notes:

- A - City traffic volume informaton based on modeling from the Garden Grove Housing Element Update VMT Analysis (Fehr and Peers, 2021).
- B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different individual segments within the modeled segment start and end point.
- C - Time of day split refers to what percentage of the listed ADT occurs during the daytime (7 AM to 7 PM), evening (7 PM to 10 PM), and nighttime (10 PM to 7 AM) time periods
- D - Fleet mix by time of day refers to the percentage of autos, trucks, etc. that make up total day, evening, and nighttime traffic.

Garden Grove Focused General Plan Update and Zoning Amendment

City of Garden Grove, California

Appendix E: Noise Data

Sheet 7: 2040 FGPUZA Traffic Noise Contours

Road / Segment	Estimated CNEL 50 Feet from Road Center Line ^(A)	Estimated Distance from Modeled Road Center to Noise Contour (in Feet)			
		75 CNEL	70 CNEL	65 CNEL	60 CNEL
Brookhurst Street					
North of Garden Grove Boulevard	70.7	19	59	186	587
North of Trask Avenue	71.5	22	71	223	706
Chapman Avenue					
East of Springdale Street	64.3	4	13	43	135
West of Magnolia Street	66.1	6	20	64	204
West of Euclid Street	66.7	7	23	74	234
West of Harbor Boulevard	65.3	5	17	54	169
Euclid Street					
North of Acacia Parkway	70.3	17	54	169	536
South of Garden Grove Boulevard	71.2	21	66	208	659
Garden Grove Boulevard					
West of Dale Street	69.3	13	43	135	426
East of Gilbert Street	69.8	15	48	151	477
West of Centur Boulevard	68.2	10	33	104	330
West of Haster Street	70.1	16	51	162	512
West of West Street	69.5	14	45	141	446
Harbor Boulevard					
North of Garden Grove Boulevard	70.5	18	56	177	561

South of Garden Grove Boulevard	70.8	19	60	190	601
Magnolia Street					
North of Garden Grove Boulevard	69.4	14	44	138	435
North of Trask Avenue	69.7	15	47	148	467
Trask Avenue					
East of Magnolia Street	67.8	10	30	95	301
East of Brookhurst Street	67.9	10	31	97	308
Westminster Avenue					
East of Brookhurst Street	71.4	22	69	218	690

SHEET 8: 2040 FGPUZA Road Traffic Volume Information (Percentages)

2040 FGPUZA TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
Brookhurst Street																	
North of Garden Grove Boulevard	45,185	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
North of Trask Avenue	56,081	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Chapman Avenue																	
East of Springdale Street	7,472	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Magnolia Street	15,556	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Euclid Street	17,162	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Harbor Boulevard	12,912	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Euclid Street																	
North of Acacia Parkway	41,470	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
South of Garden Grove Boulevard	48,026	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Garden Grove Boulevard																	
West of Dale Street	30,096	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
East of Gilbert Street	37,813	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Centur Boulevard	26,520	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of West Street	37,175	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
West of Haster Street	32,846	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Harbor Boulevard																	
North of Garden Grove Boulevard	44,428	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
South of Garden Grove Boulevard	48,061	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D

SHEET 8: 2040 FGPUZA Road Traffic Volume Information (Percentages)

2040 FGPUZA TRAFFIC VOLUME PERCENTAGE OF ADT																	
Road / Segment	ADT	TIME OF DAY SPLIT			DAY FLEET MIX (7 AM to 7 PM)				EVENING FLEET MIX (7 PM to 10 PM)				NIGHT FLEET MIX (10PM to 7 AM)				NOTES
		% Day	% Eve	% Night	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	% Auto	% MDT	% HDT	% MCY	
Magnolia Street																	
North of Garden Grove Boulevard	34,287	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
North of Trask Avenue	37,944	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Trask Avenue																	
East of Magnolia Street	23,767	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
East of Brookhurst Street	24,426	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Westminster Avenue																	
East of Brookhurst Street	36,319	77.00%	12.00%	11.00%	94%	3%	1%	2%	94%	3%	1%	2%	94%	3%	1%	2%	A,B,C,D
Table Notes:																	
A - City traffic volume informaton based on modeling from the Garden Grove Housing Element Update VMT Analysis (Fehr and Peers, 2021).																	
B - ADT represents average daily traffic along all segments of the listed road segment. Actual traffic volumes may vary slightly along different indivual segments within the modeled segment start and end point.																	
C - Time of day split refers to what percentage of the listed ADT occurs during the daytime (7 AM to 7 PM), evening (7 PM to 10 PM), and nighttime (10 PM to 7 AM) time periods																	
D - Fleet mix by time of day refers to the percentage of autos, trucks, etc. that make up total day, evening, and nighttime traffic.																	

Garden Grove Focused General Plan Update and Zoning Amendment
City of Garden Grove, California
Appendix E: Noise Data

Sheet 9: EMFAC Vehicle Class Distributions

TNM 3.0/EMFAC2021 VEHICLE POPULATION INFORMATION (Unadjusted)					
TNM Vehicle Type	Vehicle Class (EMFAC2007)	2019 Vehicle Population	2019 Vehicle Population %	2040 Vehicle Population	2040 Vehicle Population %
Auto	LDA	1,184,196	51.4%	1,221,718	47.7%
Auto	LDT1	105,086	4.6%	87,522	3.4%
Auto	LDT2	504,970	21.9%	635,080	24.8%
Auto	LHDT1	60,148	2.6%	78,435	3.1%
Auto	MDV	327,249	14.2%	381,032	14.9%
Subtotal		2,181,650	94.7%	2,403,787	93.9%
Medium Truck	LHDT2	14,146	0.6%	21,974	0.9%
Medium Truck	MHDT	34,778	1.5%	42,339	1.7%
Medium Truck	OBUS	1,506	0.1%	1,441	0.1%
Medium Truck	SBUS	2,195	0.1%	2,295	0.1%
Subtotal		52,625	2.3%	68,049	2.7%
Heavy Truck	HHDT	10,987	0.5%	18,091	0.7%
Heavy Truck	MH	9,913	0.4%	7,367	0.3%
Heavy Truck	UBUS	830	0.0%	1,038	0.0%
Subtotal		21,730	0.9%	26,496	1.0%
Motorcycle	MC	47,319	2.1%	61,687	2.4%
Subtotal		47,319	2.1%	61,687	2.4%
TOTAL		2,303,324	100.0%	2,560,019	100.0%
Table Notes:					
A) EMFAC2021 raw data file is available upon request.					

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 1:55:42 PM
CASE:	Brookhurst_20EX	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Brookhurst 02 (N/O Trask Ave)	1	1	---	71.0	0.0	---	---	Sound Level	
Brookhurst 01 (N/O Garden Grove Blvd)	2	1	---	70.0	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 8:50:36 PM
CASE:	Chapman_Ave	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Chapman 01 (E/O Springdale)	1	1	---	65.1	0.0	---	---	Sound Level	
Chapman 02 (W/O Magnolia)	2	1	---	66.7	0.0	---	---	Sound Level	
Chapman 03 (W/O Euclid)	3	1	---	67.0	0.0	---	---	Sound Level	
Chapman 04 (W/O Harbor)	4	1	---	65.9	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 9:10:39 PM
CASE:	Euclid Street	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Euclid 01 (N/O Acacia)	1	1	---	69.9	0.0	---	---	Sound Level	
Euclid 02 (S/O Garden Grove)	2	1	---	70.6	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 9:37:54 PM
CASE:	Garden Grove Boulevard	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Garden Grove Blvd 01 (W/O Dale)	1	1	---	68.5	0.0	---	---	Sound Level	
Garden Grove Blvd 02 (E/O Gilbert)	2	1	---	69.0	0.0	---	---	Sound Level	
Garden Grove Blvd 03 (W/O Century)	3	1	---	67.8	0.0	---	---	Sound Level	
Garden Grove Blvd 04 (W/O West)	4	1	---	69.2	0.0	---	---	Sound Level	
Garden Grove Blvd 05 (W/O Haster)	5	1	---	68.7	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 9:54:49 PM
CASE:	Harbor Boulevard	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Harbor Blvd 01 (N/O Garden Grove)	1	1	---	69.2	0.0	---	---	Sound Level	
Harbor Blvd 02 (S/O Garden Grove)	2	1	---	69.5	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 10:08:50 PM
CASE:	Magnolia Street	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Magnolia 01 (N/O Garden Grove)	1	1	---	69.2	0.0	---	---	Sound Level	
Magnolia 02 (N/O Trask)	2	1	---	69.2	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:03:38 PM
CASE:	Trask Avenue	ORGANIZATION:	MIG, Inc
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Trask 01 (E/O Magnolia)	1	1	---	67.2	0.0	---	---	Sound Level	
Trask 02 (E/O Brookhurst)	2	1	---	66.8	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 10:27:08 PM
CASE:	Westminster Avenue	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2020 Existing Conditions
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Westminster 01 (E/O Brookhurst)	1	1	---	70.9	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 10:43:34 PM
CASE:	Brookhurst_40NP	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 No Project
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Brookhurst 02 (N/O Trask Ave)	1	1	---	71.3	0.0	---	---	Sound Level	
Brookhurst 01 (N/O Garden Grove Blvd)	2	1	---	70.5	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 10:41:37 PM
CASE:	Chapman_40NP	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 No Project
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Chapman 01 (E/O Springdale)	1	1	---	64.1	0.0	---	---	Sound Level	
Chapman 02 (W/O Magnolia)	2	1	---	66.0	0.0	---	---	Sound Level	
Chapman 03 (W/O Euclid)	3	1	---	66.9	0.0	---	---	Sound Level	
Chapman 04 (W/O Harbor)	4	1	---	65.3	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 10:46:47 PM
CASE:	Euclid_40NP	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 No Project
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Euclid 01 (N/O Acacia)	1	1	---	70.1	0.0	---	---	Sound Level	
Euclid 02 (S/O Garden Grove)	2	1	---	70.9	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION

3.0.7.60002

REPORT DATE:

29 June 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

6/29/2021 10:52:18 PM

CASE:

Garden Grove
Boulevard_40NP

ORGANIZATION:

MIG, Inc.

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

HardSoil

PROJECT/CONTRACT

Garden Grove FGPUZA - 2040 No Project

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Garden Grove Blvd 01 (W/O Dale)	1	1	---	69.1	0.0	---	---	Sound Level	
Garden Grove Blvd 02 (E/O Gilbert)	2	1	---	69.4	0.0	---	---	Sound Level	
Garden Grove Blvd 03 (W/O Century)	3	1	---	67.8	0.0	---	---	Sound Level	
Garden Grove Blvd 04 (W/O West)	4	1	---	68.9	0.0	---	---	Sound Level	
Garden Grove Blvd 05 (W/O Haster)	5	1	---	69.4	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION

3.0.7.60002

REPORT DATE:

29 June 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

6/29/2021 10:56:00 PM

CASE:

Harbor
Boulevard_40NP

ORGANIZATION:

MIG, Inc.

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

HardSoil

PROJECT/CONTRACT

Garden Grove FGPUZA - 2040 No Project

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Harbor Blvd 01 (N/O Garden Grove)	1	1	---	70.1	0.0	---	---	Sound Level	
Harbor Blvd 02 (S/O Garden Grove)	2	1	---	70.2	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 10:58:30 PM
CASE:	Magnolia Street_40NP	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 No Project
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Magnolia 01 (N/O Garden Grove)	1	1	---	69.0	0.0	---	---	Sound Level	
Magnolia 02 (N/O Trask)	2	1	---	69.4	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:02:10 PM
CASE:	Trask Avenue_40NP	ORGANIZATION:	MIG, Inc
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 No Project
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Trask 01 (E/O Magnolia)	1	1	---	67.6	0.0	---	---	Sound Level	
Trask 02 (E/O Brookhurst)	2	1	---	67.7	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:05:44 PM
CASE:	Westminster Avenue_40NP	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 No Project
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Westminster 01 (E/O Brookhurst)	1	1	---	71.2	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:11:51 PM
CASE:	Brookhurst_40FGPUZ A	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 FGPUZA
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Brookhurst 02 (N/O Trask Ave)	1	1	---	71.5	0.0	---	---	Sound Level	
Brookhurst 01 (N/O Garden Grove Blvd)	2	1	---	70.7	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:15:07 PM
CASE:	Chapman_40GPUZA	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 GPUZA
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Chapman 01 (E/O Springdale)	1	1	---	64.3	0.0	---	---	Sound Level	
Chapman 02 (W/O Magnolia)	2	1	---	66.1	0.0	---	---	Sound Level	
Chapman 03 (W/O Euclid)	3	1	---	66.7	0.0	---	---	Sound Level	
Chapman 04 (W/O Harbor)	4	1	---	65.3	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:17:35 PM
CASE:	Euclid_40FGPUZA	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 FGPUZA
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Euclid 01 (N/O Acacia)	1	1	---	70.3	0.0	---	---	Sound Level	
Euclid 02 (S/O Garden Grove)	2	1	---	71.2	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION

3.0.7.60002

REPORT DATE:

29 June 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

6/29/2021 11:20:56 PM

CASE:

Garden Grove
Blvd_40FGPUZA

ORGANIZATION:

MIG, Inc.

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

HardSoil

PROJECT/CONTRACT

Garden Grove FGPUZA - 2040 FGPUZA

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion dBA	dBA	Criterion dBA		
Garden Grove Blvd 01 (W/O Dale)	1	1	---	69.3	0.0	---	---	Sound Level	
Garden Grove Blvd 02 (E/O Gilbert)	2	1	---	69.8	0.0	---	---	Sound Level	
Garden Grove Blvd 03 (W/O Century)	3	1	---	68.2	0.0	---	---	Sound Level	
Garden Grove Blvd 04 (W/O West)	4	1	---	70.1	0.0	---	---	Sound Level	
Garden Grove Blvd 05 (W/O Haster)	5	1	---	69.5	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION

3.0.7.60002

REPORT DATE:

29 June 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

6/29/2021 11:23:35 PM

CASE:

Harbor
Boulevard_40FGPUZA

ORGANIZATION:

MIG, Inc.

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

HardSoil

PROJECT/CONTRACT

Garden Grove FGPUZA - 2040 FGPUZA

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute	Calc.	Relative		
				dBA	Criterion	dBA	Criterion		
Harbor Blvd 01 (N/O Garden Grove)	1	1	---	70.5	0.0	---	---	Sound Level	
Harbor Blvd 02 (S/O Garden Grove)	2	1	---	70.8	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION

3.0.7.60002

REPORT DATE:

29 June 2021

CALCULATED WITH:

3.0.7.60002

CALCULATION DATE:

6/29/2021 11:25:40 PM

CASE:

Magnolia
Street_40FGPUZA

ORGANIZATION:

MIG, Inc.

UNITS:

English

ANALYSIS BY:

CDugan

DEFAULT GROUND TYPE:

HardSoil

PROJECT/CONTRACT

Garden Grove FGPUZA - 2040 FGPUZA

ATMOSPHERICS:

68°F, 50%

Average pavement type shall be used unless a state

PAVEMENT TYPE(S) USED:

Average

highway agency substantiates the use of a different

type with approval FHWA.

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Magnolia 01 (N/O Garden Grove)	1	1	---	69.4	0.0	---	---	Sound Level	
Magnolia 02 (N/O Trask)	2	1	---	69.7	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:27:47 PM
CASE:	Trask Avenue_40FGPUZA	ORGANIZATION:	MIG, Inc
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 FGPUZA
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

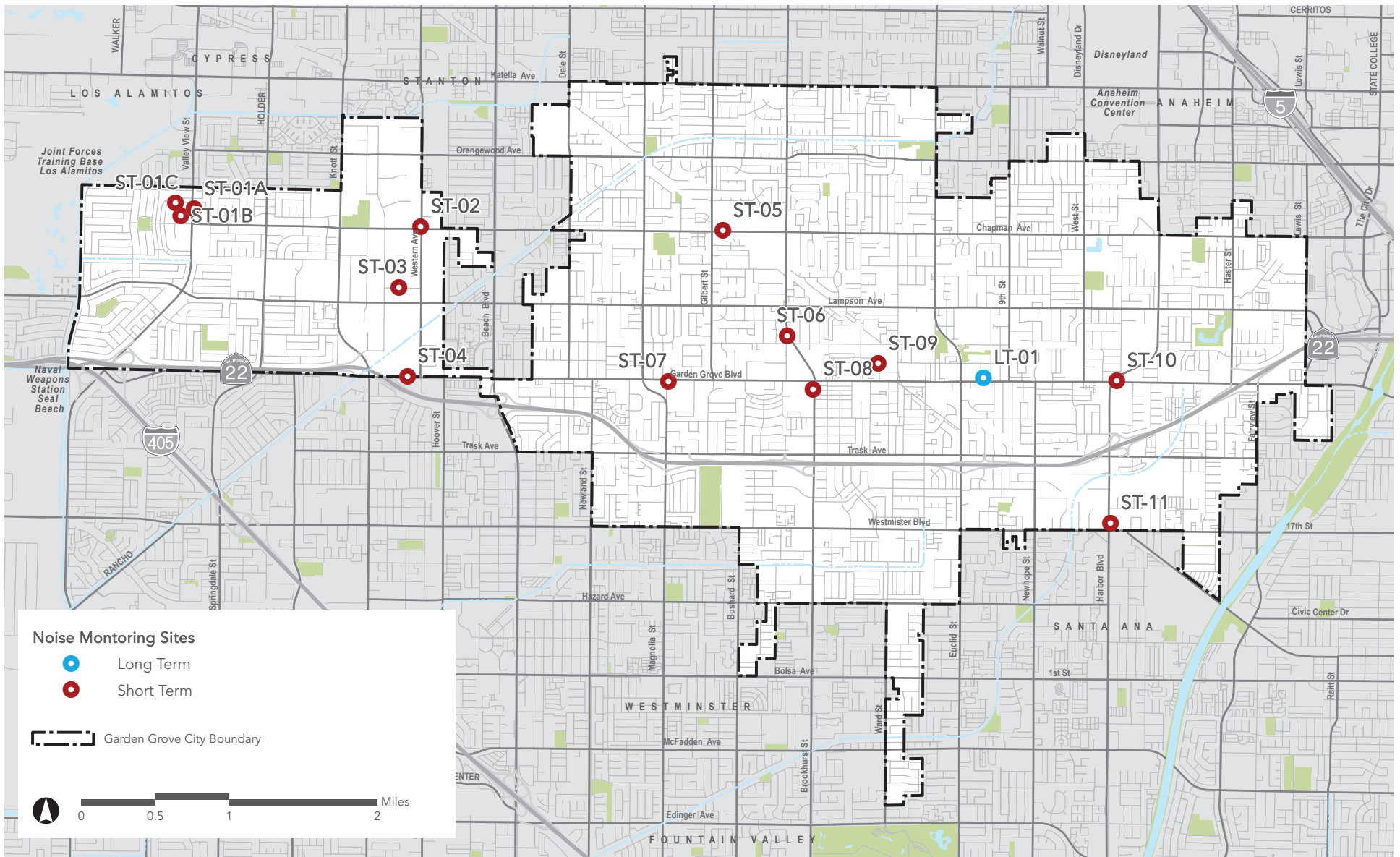
Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Trask 01 (E/O Magnolia)	1	1	---	67.8	0.0	---	---	Sound Level	
Trask 02 (E/O Brookhurst)	2	1	---	67.9	0.0	---	---	Sound Level	

REPORT:

Results: Sound Levels - No Barrier Objects

TNM VERSION	3.0.7.60002	REPORT DATE:	29 June 2021
CALCULATED WITH:	3.0.7.60002	CALCULATION DATE:	6/29/2021 11:29:29 PM
CASE:	Westminster Avenue_40FGPUZA	ORGANIZATION:	MIG, Inc.
UNITS:	English	ANALYSIS BY:	CDugan
DEFAULT GROUND TYPE:	HardSoil	PROJECT/CONTRACT	Garden Grove FGPUZA - 2040 FGPUZA
ATMOSPHERICS:	68°F, 50%	Average pavement type shall be used unless a state highway agency substantiates the use of a different type with approval FHWA.	
PAVEMENT TYPE(S) USED:	Average		

Receiver				Modeled Traffic Noise Levels					
Name	No.	Nb. R.R.	Existing Lden dBA	Lden		Increase over Existing		Type of Impact	
				Calc.	Absolute Criterion	Calc.	Relative Criterion		
				dBA	dBA	dBA	dBA		
Westminster 01 (E/O Brookhurst)	1	1	---	71.4	0.0	---	---	Sound Level	



Source: MIG, 2021.

<http://www.migcom.com> • 951-787-9222

Figure 4.10-1: Ambient Noise Monitoring Locations

Focused General Plan Update and Zoning Amendments
Garden Grove, California



Memorandum

Date: June 18, 2021
 To: Jose Rodriguez, MIG
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Subject: Garden Grove Housing Element Update Vehicles Miles Traveled (VMT) Analysis

OC20-0745

Fehr & Peers has completed the Vehicle Miles Traveled (VMT) analysis for the City of Garden Grove 2021 – 2029 Housing Element Update (Project). The Housing Element includes goals, policies, programs, and objectives that plan for housing growth in alignment with the City and regional growth objectives. The Southern California Association of Governments (SCAG) is the Metropolitan Planning Organization (MPO) responsible for issuing the Regional Housing Needs Allocation (RHNA) to each city in its region, which includes Garden Grove. The RHNA for the 6th Cycle Housing Element identified 19,168 housing units, including a range of very-low income, low income, moderate income, and market rate housing units. The Land Use Element is also being updated to be consistent with the Housing Element 6th Cycle RNHA housing units. The Land Use Element future buildout through year 2040 includes 20,242 new housing units.

The purpose of this VMT analysis is to evaluate the transportation impacts of the Project consistent with the requirements of the *City of Garden Grove Traffic Impact Analysis Guidelines for VMT and Level of Service Assessment*. In compliance with Senate Bill 743 (SB 743), a VMT analysis is required as a basis for determining California Environmental Quality Act (CEQA) transportation impacts. The impact analysis is based on VMT generated by the project and is normalized on a “per service population” (population plus employment) basis. This VMT normalization allows VMT to be used as a measure of travel efficiency and depict whether people are generally traveling in a more or less efficient way with implementation of the Project.

Methodology CEQA VMT Impact Thresholds

Consistent with the requirements of the *City of Garden Grove Traffic Impact Analysis Guidelines for VMT and Level of Service Assessment*, the following VMT thresholds were applied to determine potential project

generated VMT and project effect on VMT impacts.

A project would result in a significant project generated VMT impact if the cumulative project generated VMT per service population exceeds 15% below the County of Orange baseline VMT per service population.

The project's effect on VMT would be considered significant if it resulted in an increase in the cumulative link-level boundary Citywide VMT per service population under the plus project condition compared to the no project condition.

VMT Assessment

Existing VMT Analysis

The Orange County Traffic Analysis Model (OCTAM) was used to estimate the existing VMT per service population for Orange County (as a whole) to establish the impact threshold. The existing VMT per service population for just the City of Garden Grove was also determined for comparative purposes. Table 1 summarizes the existing Orange County and Garden Grove VMT per service population. As shown in Table 1, Garden Grove travel behavior is typically more efficient than Orange County with a lower VMT per service population than the existing countywide average.

Table 1: Existing Vehicle Miles Traveled

Study Area	VMT Per Service Population	Impact Threshold (15% below Orange County VMT per Service Population)
Orange County	29.01	24.66
Garden Grove	22.56	-

VMT was estimated using the Origin/Destination (OD) method. This method consists of multiplying the OD vehicle trip tables developed by the model to the final assignment skim matrices. The OD tables estimate the number of trips between each Traffic Analysis Zone (TAZ) and the skim matrices provide the distance on the roadway network, or trip length, along the utilized travel paths between each TAZ. The full length of all trips with an origin or destination in any of the TAZs representing Garden Grove were used to estimate VMT generated in Garden Grove. This methodology is usually referred to as the "full accounting" methodology (e.g. assigning the whole of the trip length to the Project) and is appropriate for use in CEQA assessment. Additionally, this is the methodology that is utilized in the Air Quality, GHG, and Energy sections of the environmental document which ensures consistency within the environmental document. Finally, the OD methodology only includes trips that originate or end in the City of Garden Grove; it does

not include trips that “pass through” Garden Grove on their way to/from their ultimate destinations.

Impact Analysis

The future OCTAM model was modified to include the changes associated with the Project to evaluate the project generated VMT. The additional 20,242 new dwelling units were added to the existing households in the Garden Grove TAZs within OCTAM. This updated model was used to calculate project generated VMT for the City of Garden Grove for the cumulative plus project condition. Table 2 summarizes the VMT generated by Garden Grove in the existing, cumulative, and cumulative plus project conditions.

Table 2 Project Generated VMT Summary (Origin/Destination Method)

Method	Existing	Cumulative No Project	Cumulative Plus Project
Garden Grove VMT	6,599,660	7,215,593	7,801,908
Garden Grove Service Population	292,479	318,530	359,902
Garden Grove VMT/Service Population	22.56	22.65	21.68

As shown in Table 2, the VMT and service population estimates in Garden Grove are expected to increase as the housing and population increases. However, the VMT per service population is forecast to decrease under cumulative plus project conditions (21.68) compared to the existing condition (22.56), indicating that the population is expected to travel in a more efficient manner. The improvement in travel efficiency is the result of people making fewer trips and traveling shorter distances due to increase availability of active modes of transportation and better accessibility to destinations by all modes of transportation.

Table 3 summarizes the project effect on VMT, which evaluates how the Project will change travel behavior in the region. Unlike the OD method, the project effect on VMT utilizes all the VMT within a specific geographic boundary (including trips that simply pass through the boundary). This assessment accounts for other rerouting of trips that may occur due to the project shifting travel patterns due to congestion or other factors and provides an additional, sometimes more complete, picture of the VMT impacts associated with the project. Please note, since the Project increases service population in the City and/or Orange County, VMT will also increase in the region. As such, we also normalize boundary VMT for this assessment to provide an appropriate comparison between scenarios.

Table 3 Project Effect on VMT Summary (Boundary Method)

	Existing	Cumulative No Project	Cumulative Plus Project
Orange County VMT per Service Population	14.22	14.26	14.21
Garden Grove VMT	2,456,276	2,620,990	2,728,000
Garden Grove Service Population	292,479	318,530	359,902
Garden Grove VMT per Service Population	8.40	8.23	7.58

As shown in Table 3, the Citywide VMT per Service Population under the “plus project” condition does not exceed the Citywide cumulative no project condition. Additionally, with the project, overall countywide VMT is expected to improve. The improvement in countywide VMT is the result of people making fewer trips and traveling shorter distances due to increase availability of active modes of transportation and better accessibility to destinations by all modes of transportation.

A summary of the VMT impacts is provided below:

- Project Level: The Project generates VMT per Service Population that does not exceed 15 percent below the cumulative year rate for the citywide area.
- Cumulative: The cumulative plus project VMT per Service Population does not cause total VMT for the City of Garden Grove to exceed the cumulative forecast from the SCAG RTP/SCS.

Other VMT Considerations

Overall, the analysis shows that the OCTAM model predicts VMT per service population to decrease in the future due to improved development and transportation patterns. Although OCTAM is the best available tool to estimate VMT for the City of Garden Grove (and the City has identified it as the most appropriate tool to estimate VMT as part of their VMT guidelines update), there are some factors that affect how much people travel that are not completely captured by the model. Specifically, some factors, like the cost of fuel, have been shown to have a dramatic effect on people’s choices on how much they drive. Specific to the cost of fuel, that is something that the City of Garden Grove does not have control of; however, it is something the state could have control over as the legislature could impose regulations that would manage the cost of fuel to influence driver behavior to attain state goals. To date, the state has discussed measures that would influence VMT significantly, including a VMT tax or modifications to the fuel tax.

Although the findings indicate that the Project is beneficial from a VMT efficiency perspective using the best tool available in Orange County (and the Housing Element is expected to produce VMT at a rate that would not result in a significant impact), the uncertainty related to future fuel prices and future legislative policy could dramatically influence VMT production in the City during the horizon of this Housing Element (up to 8 years). Although CEQA does not require the assessment to investigate speculative and unforeseeable circumstances, for the purposes of a Citywide planning effort, the City is choosing to disclose a significant VMT impact due to these speculative influences in order to provide complete transparency. Given that this information, the VMT impact is considered significant. As a programmatic project for a future scenario that encompasses many different individual projects, potential mitigations to address this significant VMT impact would need to be applied to the citywide level. Mitigations for consideration could include:

- providing car-sharing, bike sharing, and ride-sharing programs across the City;
- improving or increasing access to transit in the City;
- incorporating neighborhood electric vehicle networks in the City;
- improving pedestrian or bicycle networks, or transit service in the City; and/or
- providing traffic calming in the City.

While these measures could help reduce VMT in the City, the applicability of these mitigations would be dependent on the significance and context of the impact. Additional analysis would need to be conducted to determine how and where the mitigation measures would need to be implemented to mitigate the impact. As the VMT impact would be citywide, the mitigation measures would be focused on changing or improving the citywide travel patterns, transportation network, or infrastructure. The cost of implementing these measures is unknown and could vary substantially. Given the uncertainty of the effectiveness of implementing these mitigation measures at a citywide level and the cost associated with changing or improving travel patterns, the citywide transportation network, or infrastructure, the VMT impact is considered significant and unavoidable.

Recommendations regarding additional analysis for future projects and potential mitigations that could be implemented to address specific project VMT impacts are documented below.

Future Transportation Analysis

Pursuant to the tiering provisions of CEQA, future projects consistent with the Housing Element will not require further VMT analysis, however it is recommended that all future project applicants coordinate with the City of Garden Grove staff to determine the appropriate level of transportation analysis associated with the given project. The *City of Garden Grove Traffic Impact Analysis Guidelines for VMT and Level of Service Assessment* were approved in 2020 to outline the specific steps for complying with the new CEQA

expectations for VMT analysis and the applicable general plan consistency requirements related to Level of Service (LOS). Projects may be screened from VMT analysis and require LOS analysis, or vice-versa. In cases where insufficient information is available to make a preliminary assessment of a proposal's effect on traffic, the City Traffic Engineer shall determine, at his or her discretion, whether additional transportation analysis will be required. Quantitative analysis would not be required if it can be demonstrated that a proposed project is consistent with the Housing Element and would generate VMT which is equivalent to or less than what was assumed in the Housing Element EIR.

Figure 1 illustrates the relationship between VMT per service population to the impact threshold for each traffic analysis zone (TAZ) in the City of Garden Grove. This map is provided as the VMT screening map in the *City of Garden Grove Traffic Impact Analysis Guidelines for VMT and Level of Service Assessment*. Zone 1 identifies the VMT efficient areas where the VMT per service population is lower than the City VMT impact threshold (i.e. 85 percent or less than the County average). Projects proposed in these areas would be presumed not to have a significant VMT impact and can be screened from VMT analysis. Zone 2 identifies VMT areas that are more efficient than the county average, but not efficient enough to be lower than the City VMT impact threshold. Projects proposed in these areas may or may not have a VMT impact and would need further analysis to verify. Zone 3 identifies VMT areas that are less efficient than the county average. Projects proposed in these areas would be expected to have a VMT impact and would need further analysis determine the significance of the impact.

In addition to projects located in Zone 1 areas being screened from VMT analysis, projects located in a Transit Priority Area¹ (TPA) may be presumed to have a less than significant impact absent substantial evidence to the contrary and therefore screened from VMT analysis. As documented in *City of Garden Grove Traffic Impact Analysis Guidelines for VMT and Level of Service Assessment* this presumption may not be appropriate if the project:

1. Has a Floor Area Ratio (FAR) of less than 0.75;
2. Includes more parking for use by residents, customers, or employees of the project than required by the City;

¹ A TPA is defined as a half mile area around an existing major transit stop or an existing stop along a high-quality transit corridor per the definitions below. Public Resources Code § 21099(a)(7)

Pub. Resources Code, § 21064.3 - 'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods.

Pub. Resources Code, § 21155 - For purposes of this section, a 'high-quality transit corridor' means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours.

3. Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the lead agency, with input from the Southern California Association of Governments [SCAG]); or
4. Replaces affordable residential units with a smaller number of moderate- or high-income residential units.

Figure 2 identifies the Garden Grove TPAs that were identified in the City's guidelines. Future projects should confirm with local transit providers that no recent changes in transit service have occurred in the project area (e.g. addition or removal of transit lines, addition or removal of transit stops, or changes to service frequency).

Beyond the VMT impact analysis, LOS analysis and transportation studies may be required for general plan consistency and development standard review. Project applicants should coordinate with the City of Garden Grove staff to determine what transportation analysis beyond VMT analysis may be required.

Mitigation Considerations for VMT Impacts

Dependent upon the findings of additional VMT impact analyses, mitigation measures may be needed to reduce the significance of a project's VMT impact. Proposed residential development projects that could have a potentially significant VMT impact shall consider reasonable and feasible project modifications and other measures during the project design and environmental review stage of project development that would reduce VMT effects in a manner consistent with state guidance on VMT reduction.

The potential measures identified below have been prepared to provide examples of what mitigation may be appropriate for project impacts in Zones 1, 2, and 3 where development is expected. The identified measures are not intended to be exhaustive, and not all measures may be feasible, reasonable, or applicable to all projects. The purpose of these measures is to identify mitigation options for future residential development proposals, not to constrain projects to these measures, or to require that a project examine or include all measures from those identified below.

VMT Mitigation For Zone 1 Projects and Projects located in TPAs

Per the *City of Garden Grove Traffic Impact Analysis Guidelines for VMT and Level of Service Assessment* projects located in Zone 1 areas and TPAs (with meeting criteria) can be presumed not to have a significant VMT impact and can be screened from VMT analysis. Therefore, no VMT mitigation is necessary for project located in Zone 1 areas.

VMT Mitigation For Zone 2 Projects

Projects proposed in Zone 2 areas may or may not have a VMT impact and would need further analysis to verify. Mitigation for impacts in Zone 2 areas is likely to be of a lower intensity due to the Zone 2 areas having a more efficient VMT than the county average, but not efficient enough to be lower than the City VMT impact threshold. Potential measures could include, but are not limited to:

- incorporate affordable housing into the project;
- orient the project toward transit, bicycle and pedestrian facilities;
- provide bicycle parking;
- unbundle parking costs (selling or leasing a parking space separate from the purchase or lease of a multifamily residential unit);
- provide parking cash-out programs;
- provide car-sharing, bike sharing, and ride-sharing programs;
- provide transit passes; and/or
- increase project density.

VMT Mitigation For Zone 3 Projects

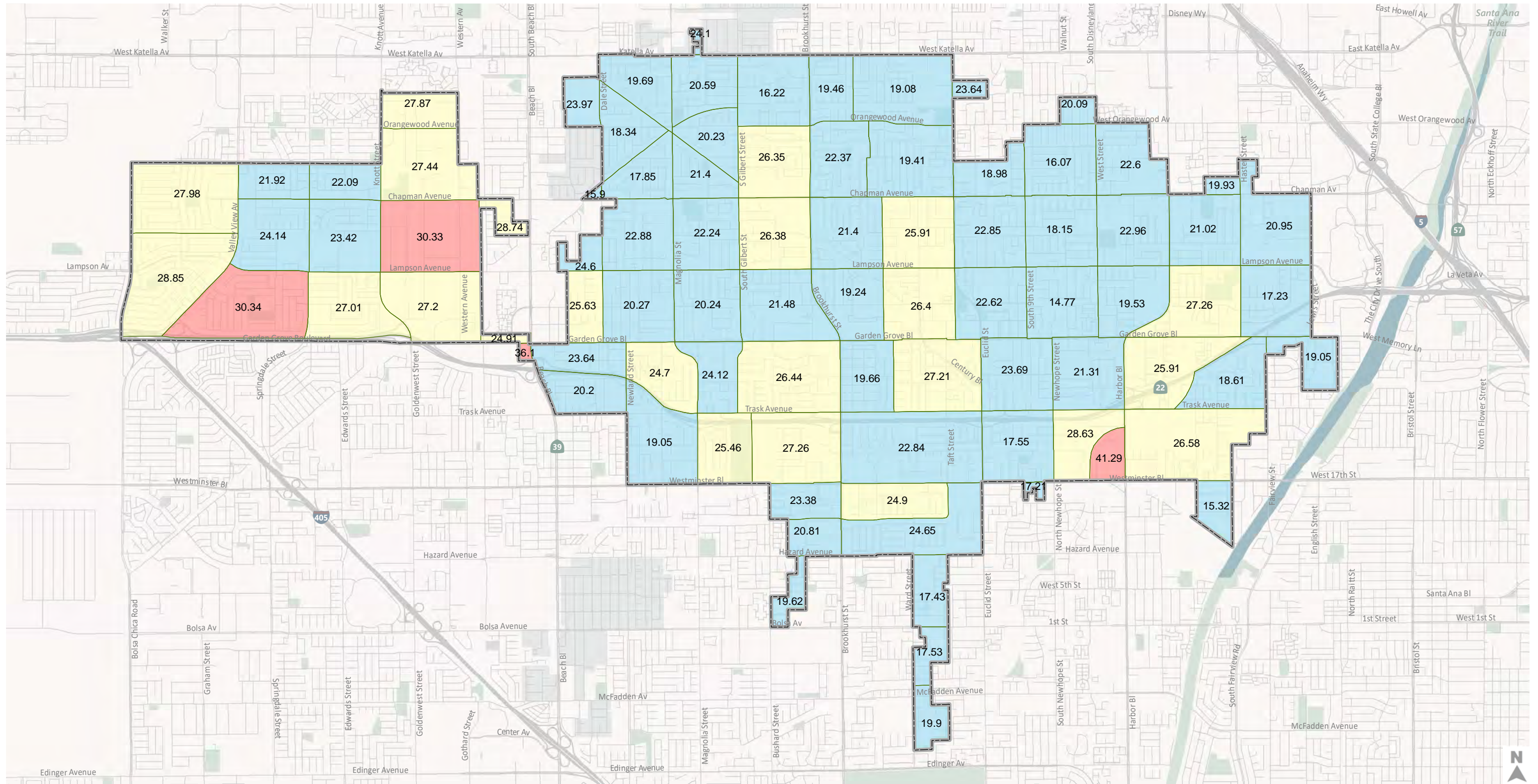
Projects proposed in Zone 3 areas would be expected to have a VMT impact and would need further analysis to determine the significance of the impact. Mitigation for impacts in Zone 3 areas is likely to be of a higher intensity than Zone 2 areas due to the VMT inefficiency. Potential measures could include, but are not limited to:

- measures identified for Zone 2 areas;
- improve or increase access to transit;
- increase access to common goods and services, such as groceries, schools, and daycare;
- incorporate neighborhood electric vehicle network;
- improve pedestrian or bicycle networks, or transit service;
- provide traffic calming;
- locate the project near transit;
- increase the mix of uses within the project or within the project's surroundings;
- increase connectivity and/or intersection density on the project site.

VMT Mitigation Exchange or Bank

The City may evaluate the feasibility of a local or regional VMT impact bank or exchange. Such an offset

program, if determined feasible, would be administered by the City or a regional agency, and would offer demonstrated VMT reduction strategies through transportation demand management programs, impact fee programs, mitigation banks or exchange programs, in-lieu fee programs, or other land use project conditions that reduce VMT in a manner consistent with state guidance on VMT reduction. If, through on-site changes, a subject project cannot demonstrate consistency with state guidance on VMT reduction, the project can contribute on a pro-rata basis to a local or regional VMT reduction bank or exchange, as necessary, to reduce net VMT impacts.



Orange County Average VMT/SP: 29.01

- City Boundary
- TAZ
- Zone 1: <math>< -15\%</math> below County Average Zone
- 2: 0% to <math>< -15\%</math> below County Average Zone
- 3: Higher than County Average

Figure 1

Garden Grove Housing Element Update
Housing Allocation by TAZ

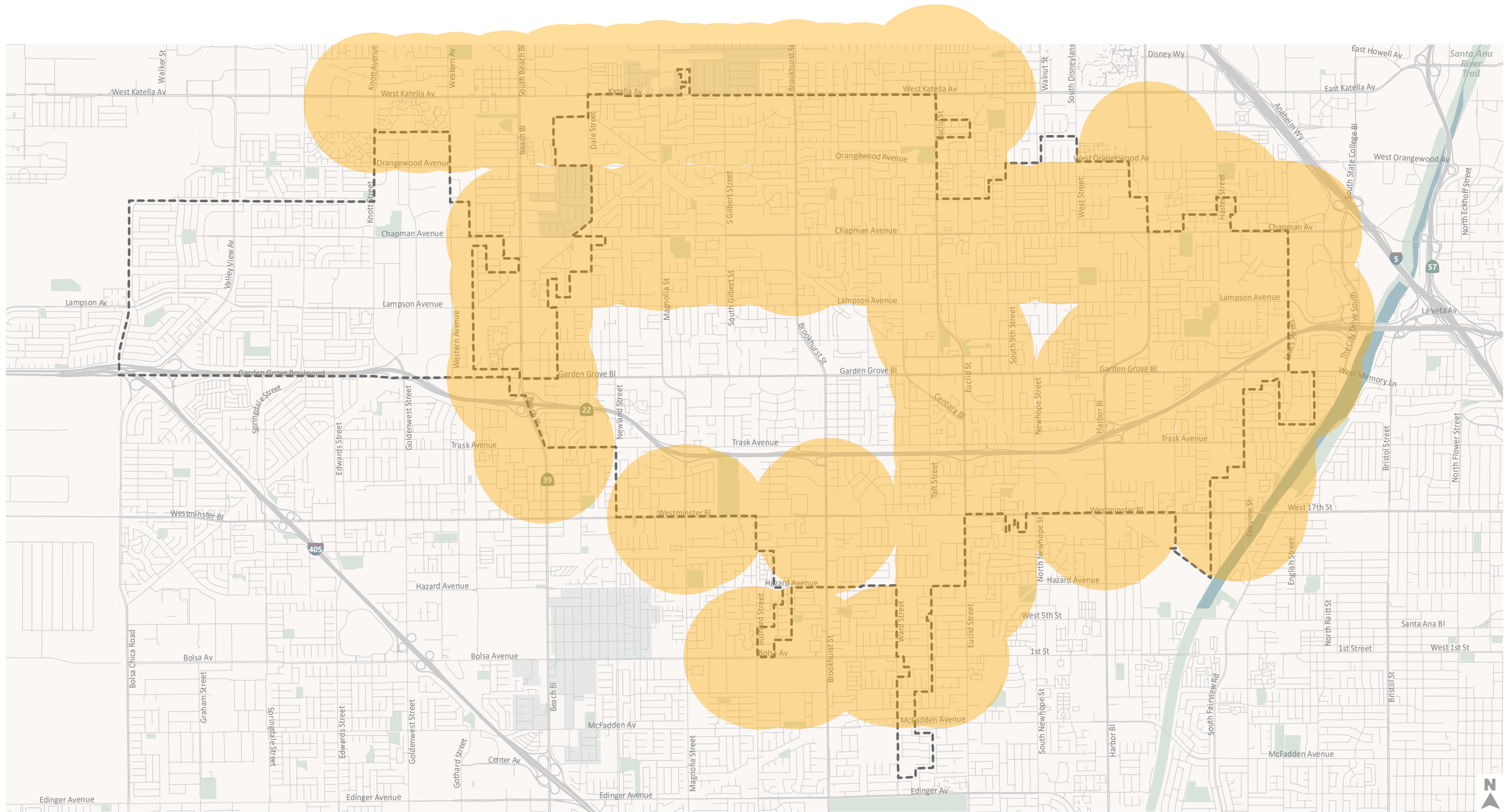


Figure 2

Garden Grove Housing Element Update
Transit Priority Areas

- Transit Priority Area
- City Boundary