Appendix A

NOP and Responses

SAN JOAQUIN COUNCIL OF GOVERNMENTS

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JOAQUIN

Notice of Preparation

To: Interested parties and Individuals

Subject: Notice of Preparation of a Program Environmental Impact Report for the 2026 San Joaquin Council of Governments Regional Transportation Plan & Sustainable Communities Strategy

Date: April 24, 2025

Lead Agency: San Joaquin Council of Governments
555 E. Weber Ave.
Stockton Ca. 95202

Notice is hereby given that the San Joaquin Council of Governments (SJCOG) will be the lead agency for the preparation of an Environmental Impact Report (EIR) for the 2026 Regional Transportation Plan (RTP) and Sustainable Communities Strategy (SCS), hereby referred to as the 2026 RTP/SCS. Pursuant to Section 15082 of the California Environmental Quality Act (CEQA), SJCOG is soliciting comments from all interested persons, responsible and trustee agencies, and organizations concerned with the project as to the scope and content of the EIR and the environmental information to be analyzed in connection with the proposed project.

The project description, location, environmental review requirements, and probable environmental issues to be addressed in the EIR are stated below. The RTP will guide the development of the Regional and Federal Transportation Improvement Programs (RTIP and FTIP) as well as other transportation programming documents and plans throughout the San Joaquin County region (including the unincorporated County and all cities). Specifically, the project will update the region's goals and policies for meeting current and future mobility needs and identify programs, actions, and a revised plan of projects intended to address these needs consistent with adopted goals and policies.

The SCS is required by California Senate Bill 375, the Sustainable Communities and Climate Protection Act of 2008 (SB 375). SB 375 mandates regional greenhouse gas (GHG) reduction targets for passenger vehicles and, pursuant to that law, the California Air Resources Board (CARB) has established 2020 and 2035 GHG reduction targets for each region covered by one of the state's metropolitan planning organizations (MPOs). As the MPO for the San Joaquin County region, SJCOG is required to prepare an SCS or Alternative Planning Strategy (APS) that demonstrates how GHG reduction targets will (or, in the case of an APS, can) be met through integrated land use, housing, and transportation planning. SJCOG will identify multiple potential growth scenarios that will meet the goals of SB 375.

SJCOG will host an EIR Scoping Meeting/Public Workshop. The purpose of the meeting is to solicit input on the scope and content of the environmental analysis that will be included in the Programmatic EIR, to inform the public of the updates to the RTP and SCS, as well as solicit public input on the RTP and SCS, including changes to the preferred future scenario for the SCS from a range of transportation and land use alternatives. The date, time, and location of the meeting is:

- **May 13, 2025, from 12:00 to 1:00 PM**,
  SJCOG Office, 555 E Weber Ave. Stockton CA. 95202 or via Zoom Meeting at:
  https://sjcog.zoom.us/j/83909497250

Due to the time limits mandated by state law, your response must be received within 30 days of the release of the Notice of Preparation (April 24, 2025). Please mail comments to Edith Verdin at SJCOG, 555 E. Weber Avenue, Stockton, CA 95202, or email them to rtp@sjcog.org no later than May 27, 2025.

For more information, visit https://www.sjcog.org/275/RTP-Sustainable-Communities-Strategy or call (209) 235-0600.

PROJECT DESCRIPTION AND SCOPE OF ENVIRONMENTAL ANALYSIS

Project Title
2026 Regional Transportation Plan/Sustainable Communities Strategy Environmental Impact Report (2026 RTP/SCS EIR)

Project Location
The geographical extent of the updated RTP/SCS includes the area within the limits of San Joaquin County, California, including the incorporated cities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy, Mountain House, and all unincorporated areas under the jurisdiction of the County of San Joaquin. Capital improvement projects identified in the RTP/SCS are primarily located on state highways, county roads and locally owned streets, as well as on airport property, transit district property and public utility lands.

Project Description
The proposed project is the 2026 SJCOG RTP/SCS. SJCOG is the federally designated MPO and state-recognized Regional Transportation Planning Agency for San Joaquin County and has the statutory responsibility to develop a comprehensive, minimum 20-year vision of the region's transportation system. The 2026 RTP/SCS will cover the planning period through the year 2050. The EIR is intended to comply with CEQA. It will also require coordination with or reference to: the Fixing America's Surface Transportation Act (Title 23 SFR Parts 450 and 500) (FAST Act); the Federal Clean Air Act; the California Clean Air Act; California SB 375; California SB 743; California Assembly Bill 32, and California Senate Bill 32. The EIR will consider the 2026 RTP/SCS programmed projects and preferred SCS scenarios, a No Project alternative, the SCS alternative scenarios carried forward, and any alternatives to address identified significant impacts. The EIR will evaluate the potential impacts of implementing the policies and programs in the RTP in accordance with CEQA and will concentrate on the long-term environmental impacts of the RTP/SCS that extend to the 2050 planning horizon.

The 2026 RTP/SCS EIR will be prepared as a program-level document that analyzes the effects of proposed actions for all modes of transportation, as well as other issues and concerns such as transportation control measures and demand management, congestion management, and intelligent transportation systems. As a programmatic EIR, it will be prepared at a level of detail necessary to facilitate effective tiering by lead agencies for future transportation and development projects, particularly regarding potential SB 375 streamlining.

Issues to Be Addressed in the EIR
The impact categories listed below have been preliminarily identified for analysis

- Aesthetics/Visual Resources
- Agriculture & Forestry Resources
- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Wildfire
- Greenhouse Gas Emissions
- Energy
- Hazards & Hazardous Materials
- Hydrology & Water Quality
- Land Use & Planning
- Mineral Resource
- Environmental Justice
- Noise
- Population & Housing
- Public Services & Utilities
- Recreation
- Transportation
- Tribal Cultural Resources

In addition, the EIR will address cumulative impacts, growth-inducing impacts, and other issues required by CEQA.

Project Location
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- Land Use & Planning
- Mineral Resource
- Noise
- Population & Housing
- Public Services & Utilities
- Recreation
- Transportation
- Tribal Cultural Resources

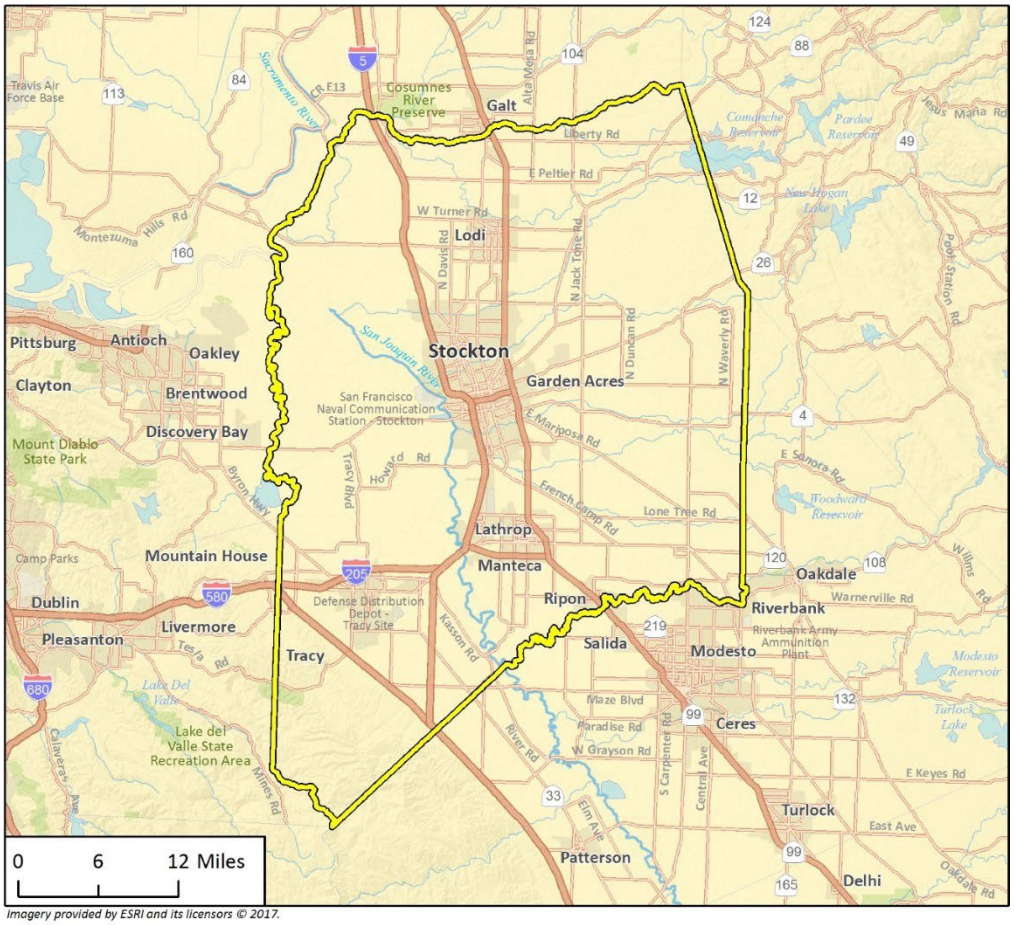
In addition, the EIR will address cumulative impacts, growth-inducing impacts, and other issues required by CEQA.

After the Draft EIR is circulated for public review, responses are provided to all public comments received, and the Final EIR is prepared, the SJCOG Board will ultimately consider the Programmatic EIR for the 2026 SJCOG RTP/SCS and make a determination on the certification of the EIR.

CEQA Streamlining

SB 375 contains CEQA incentives, or streamlining provisions, to encourage coordinated land use and transportation planning. Certain types of development projects (i.e., transit priority projects or residential/mixed-use residential projects, as defined by the statute) may qualify for CEQA streamlining as long as the requisite criteria are met. Generally, meeting such criteria means that the proposed project is determined to be consistent with an adopted SCS. Consistency will be determined by the local jurisdiction that is the lead agency for each project to be streamlined. SJCOG's primary role is to include appropriate information in the SCS, such as land use information as required by SB 375 and/or guidance to aid in interpreting land use information that will allow a jurisdiction to make a consistency determination with respect to appropriate streamlining options on a project-by-project basis.

Project Location Map



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San Joaquin County

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Fig 2 Regional Location

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Steven Quinn

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

April 25, 2025

Edith Verdin
San Joaquin Council of Governments
555 E. Weber Avenue
Stockton CA 95202

Re: 2025041249 2026 San Joaquin Council of Governments Regional Transportation Plan & Sustainable Communities Strategy Project, San Joaquin County

Dear Ms. Verdin:

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 (https://ohp.parks.ca.gov/?page_id=30331) 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.

b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Pricilla.Torres-Fuentes@NAHC.ca.gov.

Sincerely,

Pricilla Torres-Fuentes

Pricilla Torres-Fuentes
Cultural Resources Analyst

cc: State Clearinghouse

Delta Stewardship Council
A CALIFORNIA STATE AGENCY

715 P Street, 15-300
Sacramento, CA 95814

916.445.5511
DELTACOUNCIL.CA.GOV

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May 19, 2025

Edith Verdin
San Joaquin Council of Governments
555 E. Weber Ave.
Stockton, CA 95202

Delivered via email: rtp@sjcog.org

RE: Comments on Notice of Preparation of an Environmental Impact Report for the 2026 San Joaquin Council of Governments Regional Transportation Plan and Sustainable Communities Strategy, SCH#2025041249

Dear Edith Verdin:

Thank you for the opportunity to review and comment on the San Joaquin Council of Governments (SJCOG) Notice of Preparation (NOP) of an Environmental Impact Report (EIR) for the 2026 Regional Transportation Plan and Sustainable Communities Strategy for the San Joaquin Region (2026 RTP/SCS). The Delta Stewardship Council (Council) recognizes the objectives of the 2026 RTP/SCS, as described in the NOP, to update the region's goals and policies for meeting current and future mobility needs and identify programs, actions, and a revised plan of projects intended to address these needs consistent with adopted goals and policies. This letter summarizes the requirements of the Sacramento-San Joaquin Delta Reform Act of 2009 (Wat. Code, § 85000 et seq.; Delta Reform Act) pertaining to the 2026 RTP/SCS and provides the Council's comments on the NOP regarding the scope and content of the proposed draft EIR for the 2026 RTP/SCS.

The Council is an independent state agency established by the Delta Reform Act. The Delta Reform Act charges the Council with furthering California's coequal goals of providing a more reliable water supply and protecting, restoring, and enhancing the Sacramento-San Joaquin River Delta (Delta) ecosystem (Wat. Code, § 85054.) through the adoption and implementation of the Delta Plan. (Wat. Code, § 85300.) The Delta Plan contains regulatory policies, which are set forth in California Code of Regulations, title 23, sections 5001 et seq. The Delta Reform Act further states that the coequal goals are to be achieved in a manner that protects and enhances the unique cultural, recreational, natural resource, and agricultural values of the Delta as an evolving place. (Wat. Code, § 85054.)

Delta Reform Act Requirements for Regional Transportation Plans and Sustainable Communities Strategies

Consultation

The Delta Reform Act grants the Council specific authority to review and advise local and regional planning agencies regarding the consistency of local and regional planning documents, including sustainable communities strategies (SCS) and alternative planning strategies, with the Delta Plan. (Wat. Code, § 85212.) The Delta Reform Act requires a metropolitan planning organization preparing a regional transportation plan that includes land within the Delta primary or secondary zones to consult with the Council early in the planning process regarding the issues and policy choices relating to the Council's advice. (Wat. Code, § 85212.)

Council's Review of the Draft Regional Transportation Plan and Sustainable Communities Strategy

The 2026 RTP/SCS is a plan for the San Joaquin County region, which includes the incorporated cities of Escalon, Lathrop, Lodi, Manteca, Mountain House, Ripon, Stockton, and Tracy, and all unincorporated areas under the jurisdiction of the County of San Joaquin. In addition to consultation, as described above, Water Code section 85212 requires SJCOG to provide to the Council both of the following:

- A draft SCS **no later than 60 days prior to the adoption of the final 2026 RTP/SCS**.

- **A concurrent** notice of its submission of the SCS in the same manner as a Certification of Consistency via electronic mail to coveredactions@deltacouncil.ca.gov.

If the Council concludes that the submitted draft SCS is inconsistent with the Delta Plan, the Council will provide to SJCOG a written notice of the claimed inconsistency **no later than 30 days prior to the adoption of the final 2026 RTP/SCS**. If SJCOG receives a timely written notice of inconsistency from the Council, SJCOG's adoption of the final 2026 RTP/SCS must include a detailed response to the Council's notice. (Wat. Code, § 85212.)

Please notify the Council via electronic mail addressed to Eva Bush (eva.bush@deltacouncil.ca.gov) when the adoption hearings for the final 2026 RTP/SCS are scheduled. The Council also would welcome a presentation by SJCOG staff to the Council on the draft 2026 RTP/SCS at a future Council meeting prior to the final adoption hearings.

Comments on Scope and Content of EIR for the 2026 RTP/SCS

A state or local agency that proposes to carry out, approve, or fund an action that occurs in whole or in part in the Delta is required to first determine whether that proposed action is a covered action and if so, prepare and submit to the Council a written Certification of Consistency with detailed findings as to whether the covered action is consistent with the Delta Plan. (Cal. Code Regs., tit. 23, § 5001, subd. (k); Wat. Code, § 85225.) The Delta Reform Act exempts actions within the secondary zone of the Delta that a metropolitan planning organization determines are consistent with an SCS that the State Air Resources Board has determined would achieve regional greenhouse gas emission reduction targets. (Wat. Code, § 85057.5, subd. (b)(4).) SJCOG is the metropolitan planning organization for the San Joaquin County region, which contains portions of the primary and secondary zones of the Delta. Thus, Water Code Section 85057.5, subdivision (b)(4), provides SJCOG with a significant role in shaping the state's Delta policy within the secondary zone. Although the 2026 RTP/SCS is not a covered action, SJCOG should ensure that it is consistent with the Delta Plan, as discussed in greater detail below.

Urban Development within the Delta

The Council exercises its authority through regulatory policies. (Cal. Code Regs., tit. 23, § 5001 et seq.) Delta Plan Policy **DP P1** (Cal. Code Regs., tit. 23, § 5010.) places

certain limits on new urban development within the Delta. New residential, commercial, or industrial development must be limited to areas that city or county general plans designate for that type of development as of the date of the Delta Plan's adoption, May 16, 2013.

The EIR should acknowledge Policy DP P1 in the regulatory setting for the Land Use and Planning section. The EIR should document how the 2026 RTP/SCS is consistent with the applicable general plan for new residential, commercial, or industrial development within the Delta. The Council also has an interest in recommended transportation projects in the 2026 RTP/SCS in and adjacent to the Delta. (Wat. Code, § 85212.)

Consistency with Ecosystem Restoration Needs

Water Code section 85212 requires that the Council's input on local and regional planning documents, including an SCS, include, but not be limited to, reviewing both of the following:

- The consistency of local and regional planning documents with the ecosystem restoration needs of the Delta.

- Whether the lands set aside for natural resource protection are sufficient to meet the Delta's ecosystem needs.

The Delta Plan designates six priority habitat restoration areas (PHRAs) that have the greatest potential for large-scale habitat restoration. (Cal. Code Regs., tit. 23, app. 5.) Delta Plan Policy **ER P3** (Cal. Code Regs., tit. 23, § 5007.) requires significant adverse impacts to the opportunity to restore habitat be avoided or mitigated in these areas (Cal. Code Regs., tit. 23, app. 5.)

Two PHRAs are located partially or wholly within the 2026 RTP/SCS planning area: the Cosumnes-Mokelumne Confluence and the Lower San Joaquin River Floodplain. The consistency of the 2026 RTP/SCS with the ecosystem restoration needs of the Delta is based on the 2026 RTP/SCS's impacts to the opportunity to restore habitat in these PHRAs. The EIR should describe the planned land uses identified in these areas and describe how significant adverse impacts to the opportunity to restore habitat in these locations would be avoided or mitigated.

Closing Comments and Next Steps

As SJCOG proceeds with development and environmental impact analysis for the 2026 RTP/SCS, the Council invites SJCOG to continue to engage Council staff to ensure consistency between the 2026 RTP/SCS and the Delta Plan and to ensure that the two plans are complementary in nature and serve to protect the Delta while promoting sustainable growth and economic vitality in the broader region.

Please contact Eva Bush at eva.bush@deltacouncil.ca.gov with any questions.

Sincerely,



Jeff Henderson

Deputy Executive Officer

San Joaquin Valley
AIR POLLUTION CONTROL DISTRICT

HEALTHY AIR LIVING™

May 21, 2025

Edith Verdin
San Joaquin Council of Governments
555 E. Weber Avenue
Stockton, CA 95202

Project: Notice of Preparation of a Program Environmental Impact Report for the 2026 San Joaquin Council of Governments Regional Transportation Plan & Sustainable Communities Strategy

District CEQA Reference No: 20250470

Dear Ms. Verdin:

The San Joaquin Valley Air Pollution Control District (District) has reviewed the Notice of Preparation (NOP) of a Draft Program Environmental Impact Report (DPEIR) from the San Joaquin Council of Governments (SJCOG) for the 2026 San Joaquin Council of Governments Regional Transportation Plan & Sustainable Communities Strategy (RTP/SCS). Per the NOP, the project consists of updating SJCOG's transportation plan for the regions transportation system to ensure the plan adequately addresses future transportation needs (Project). The RTP/SCS will address all transportation modes, including motor vehicles, transit, rail, goods movement, bicycle and pedestrian facilities, aviation systems, and transportation systems management. The Project area encompasses all of San Joaquin County including the communities of Escalon, Lathrop, Lodi, Manteca, Ripon, Stockton, Tracy, and Mountain House. The Project includes one of the communities in the state selected by the California Air Resources Board (CARB) for investment of additional air quality resources and attention under Assembly Bill (AB) 617 (Garcia) in an effort to reduce air pollution exposure in impacted disadvantaged communities. See Figure 1 below.

Samir Sheikh
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

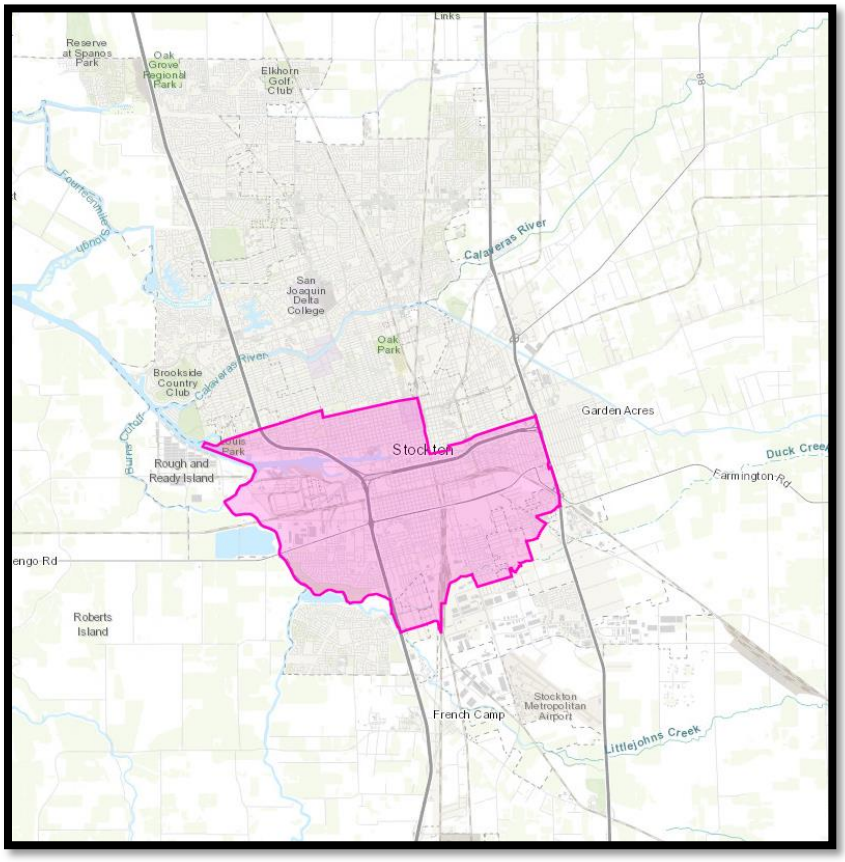
Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: (661) 392-5500 FAX: (661) 392-5585

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Figure 1: Boundary of the Stockton Community Emissions Reduction Program



The District offers the following comments at this time regarding the Project:

1) Transportation/Land Use Planning

Nearly all development projects within the San Joaquin Valley Air Basin, from the RTP/SCS to individual projects have the potential to generate air pollutants, making it more difficult to attain state and federal ambient air quality standards. Land use decisions are critical to improving air quality within the San Joaquin Valley Air Basin because land use patterns greatly influence transportation needs, and motor vehicle emissions are the largest source of air pollution in the Valley. Land use decisions and project design elements such as preventing urban sprawl, encouraging mix-use development, and project design elements that reduce vehicle miles traveled (VMT) have proven to be beneficial for air quality. The District recommends that future development projects incorporate strategies that reduce VMTs and require the

cleanest available heavy duty trucks, vehicles, and off-road equipment, including zero and near-zero technologies. VMTs can be reduced through encouragement of mix-use development, walkable communities, etc. Additional design element options can be found at:
https://ww2.valleyair.org/media/ob0pweru/clean-air-measures.pdf

In addition, the District recommends that future development projects incorporate strategies that will advance implementation of the best practices listed in Tables 5 and 6 of California Air Resource Board's (CARB's) Freight Handbook Concept Paper, to the extent feasible. This document compiles best practices designed to address air pollution impacts as "practices" which may apply to the siting, design, construction, and operation of freight facilities to minimize health impacts on nearby communities. The concept paper is available at:
https://ww2.arb.ca.gov/sites/default/files/2020-03/2019.12.12%20-%20Concept%20Paper%20for%20the%20Freight%20Handbook_1.pdf

2) Assembly Bill 617

AB 617 requires CARB and air districts to develop and implement Community Emission Reduction Programs (CERPs) in an effort to reduce air pollution exposure in impacted disadvantaged communities, like those in which the Project is located. The Stockton AB 617 community is one of the statewide communities selected by CARB for development and implementation of a CERP.

Following extensive community engagement and collaboration with the Community Steering Committee, the CERP for the Stockton Community was adopted by the District's Governing Board in March 2021 and by CARB in July 2021.

During the development of the CERP, the Community Steering Committee expressed concerns regarding the proximity of emission sources to nearby sensitive receptors like schools, homes, day care centers, and hospitals, and the potential future industrial development within the community that may exacerbate the cumulative exposure burden for community residents. The Community Steering Committee also expressed the desire for more meaningful avenues of engagement surrounding the land-use decisions in the area. As these issues can most effectively be addressed through strong partnerships between community members and local land-use agencies. Furthermore, the District recommends SJCOG assess the emission reductions measures and strategies included in the CERP and address them in the RTP/SCS, as appropriate, to align SJCOG's work with the air pollution and exposure reduction strategies and measures outlined in the CERP.

For more information regarding the CERP approved for Stockton, please visit the District's website at:
https://community.valleyair.org/selected-communities/southwest-stockton/

3) Project Related Emissions

At the federal level under the National Ambient Air Quality Standards (NAAQS), the District is designated as extreme nonattainment for the 8-hour ozone standards and serious nonattainment for the particulate matter less than 2.5 microns in size (PM2.5) standards. At the state level under California Ambient Air Quality Standards (CAAQS), the District is designated as nonattainment for the 8-hour ozone, PM10, and PM2.5 standards.

As such, the District recommends that the DPEIR stipulate that future development projects within the RTP/SCS identify and characterize project construction and operational air emissions. The District recommends the air emissions be compared to the District significance thresholds as identified in the District's Guidance for Assessing and Mitigating Air Quality Impacts: https://ww2.valleyair.org/media/g4nl3p0g/gamaqi.pdf. The District recommends that future development projects be mitigated to the extent feasible, and that future development projects with air emissions above the aforementioned thresholds be mitigated to below these thresholds.

The District understands that the RTP/SCS is a program-level project where future individual project-specific data may not be available at this time. As such, the DPEIR should include a discussion of policies, which when implemented, will require assessment and characterization of future development project-level emissions, and subsequently require mitigation of air quality impacts to the extent feasible at the individual project-specific level. Environmental reviews of potential impacts on air quality from future development projects should incorporate the following items:

3a) Construction Emissions

The District recommends, for future development projects, to reduce impacts from construction-related diesel exhaust emissions, the Project should utilize the cleanest available off-road construction equipment.

3b) Operational Emissions

Future development projects operational (ongoing) air emissions from mobile sources and stationary sources should be analyzed separately. For reference, the District's significance thresholds are identified in the District's Guidance for Assessing and Mitigating Air Quality Impacts: https://ww2.valleyair.org/media/g4nl3p0g/gamaqi.pdf.

Recommended Mitigation Measure: At a minimum, future development projects related impacts on air quality should be reduced to levels below the District's significance thresholds through incorporation of design elements such as the use of cleaner Heavy Heavy-Duty (HHD) trucks and vehicles, measures that

reduce Vehicle Miles Traveled (VMTs), and measures that increase energy efficiency. More information on transportation mitigation measures can be found at:
https://ww2.valleyair.org/media/ob0pweru/clean-air-measures.pdf

3c) Recommended Model for Quantifying Air Emissions

Future development projects criteria pollutant emissions from construction and operational sources should be identified and quantified. Emissions analysis should be performed using the California Emission Estimator Model (CalEEMod), which uses the most recent CARB-approved version of relevant emissions models and emission factors. CalEEMod is available to the public and can be downloaded from the CalEEMod website at: www.caleemod.com.

4) Health Risk Screening/Assessment

The SJCOG should evaluate the risk associated with the future development projects for sensitive receptors (residences, businesses, hospitals, day-care facilities, health care facilities, etc.) in the area and mitigate any potentially significant risk to help limit exposure of sensitive receptors to emissions.

To determine potential health impacts on surrounding receptors (residences, businesses, hospitals, day-care facilities, health care facilities, etc.) a Prioritization and/or a Health Risk Assessment (HRA) should be performed for future development projects that may be approved under implementation of the RTP/SCS. These health risk determinations should quantify and characterize potential Toxic Air Contaminants (TACs) identified by the Office of Environmental Health Hazard Assessment/California Air Resources Board (OEHHA/CARB) that pose a present or potential hazard to human health.

Health risk analyses should include all potential air emissions from the project, which include emissions from construction of the project, including multi-year construction, as well as ongoing operational activities of the project. Note, two common sources of TACs can be attributed to diesel exhaust emitted from heavy-duty off-road earth moving equipment during construction, and from ongoing operation of heavy-duty on-road trucks.

Prioritization (Screening Health Risk Assessment):
A “Prioritization” is the recommended method for a conservative screening-level health risk assessment. The Prioritization should be performed using the California Air Pollution Control Officers Association’s (CAPCOA) methodology. Please contact the District for assistance with performing a Prioritization analysis.

The District recommends that a more refined analysis, in the form of an HRA, be performed for any project resulting in a Prioritization score of 10 or greater. This is

because the prioritization results are a conservative health risk representation, while the detailed HRA provides a more accurate health risk evaluation.

Health Risk Assessment:
Prior to performing an HRA, it is strongly recommended that land use agencies/ project proponents develop and submit for District review a health risk modeling protocol that outlines the sources and methodologies that will be used to perform the HRA.

A development project would be considered to have a potentially significant health risk if the HRA demonstrates that the health impacts would exceed the District's established risk thresholds, which can be found here: https://ww2.valleyair.org/permitting/ceqa/.

A project with a significant health risk would trigger all feasible mitigation measures. The District strongly recommends that development projects that result in a significant health risk not be approved by the land use agency.

The District is available to review HRA protocols and analyses. For HRA submittals please provide the following information electronically to the District for review:

- HRA (AERMOD) modeling files
- HARP2 files
- Summary of emissions source locations, emissions rates, and emission factor calculations and methodologies.

For assistance, please contact the District's Technical Services Department by:

- E-Mailing inquiries to: hramodeler@valleyair.org
- Calling (559) 230-5900

Recommended Measure: Development projects resulting in TAC emissions should be located an adequate distance from residential areas and other sensitive receptors to prevent the creation of a significant health risk in accordance to CARB's Air Quality and Land Use Handbook: A Community Health Perspective located at https://ww2.arb.ca.gov/our-work/programs/resource-center/strategy-development/land-use-resources.

5) Ambient Air Quality Analysis

An Ambient Air Quality Analysis (AAQA) uses air dispersion modeling to determine if emissions increases from a project will cause or contribute to a violation of State or National Ambient Air Quality Standards. The District recommends an AAQA be performed for any future development projects that may be approved under implementation of the Project with emissions that exceed 100 pounds per day of any pollutant.

An AAQA uses air dispersion modeling to determine if emission increase from a project will cause or contribute to a violation of State or National Ambien Air Quality Standards. An acceptable analysis would include emissions from both project-specific permitted and non-permitted equipment and activities. The District recommends consultation with District staff to determine the appropriate model and input data to use in the analysis.

Specific information for assessing significance, including screening tools and modeling guidance, is available online at the District's website: https://ww2.valleyair.org/permitting/ceqa/.

6) Voluntary Emission Reduction Agreement

Future development projects could have a significant impact on air quality. The District recommends the DPEIR include a feasibility discussion on implementing a Voluntary Emission Reduction Agreement (VERA) as a mitigation measure for future development projects that may be approved under implementation of the Project that are determined to exceed the District's CEQA significance thresholds.

A VERA is a mitigation measure by which the project proponent provides pound-for-pound mitigation of emissions increases through a process that develops, funds, and implements emission reduction projects, with the District serving a role of administrator of the emissions reduction projects and verifier of the successful mitigation effort. To implement a VERA, the project proponent and the District enter into a contractual agreement in which the project proponent agrees to mitigate project specific emissions by providing funds for the District's incentives programs. The funds are disbursed by the District in the form of grants for projects that achieve emission reductions. Thus, project-related impacts on air quality can be mitigated. Types of emission reduction projects that have been funded in the past include electrification of stationary internal combustion engines (such as agricultural irrigation pumps), replacing old heavy-duty trucks with new, cleaner, more efficient heavy-duty trucks, and replacement of agricultural equipment with the latest generation technologies.

In implementing a VERA, the District verifies the actual emission reductions that have been achieved as a result of completed grant contracts, monitors the emission

reduction projects, and ensures the enforceability of achieved reductions. After the project is mitigated, the District certifies to the Lead Agency that the mitigation is completed, providing the Lead Agency with an enforceable mitigation measure demonstrating that project-related emissions have been mitigated. To assist the Lead Agency and project proponent in ensuring that the environmental document is compliant with CEQA, the District recommends the environmental document includes an assessment of the feasibility of implementing a VERA.

7) Truck Routing

Truck routing involves the assessment of which roads Heavy Heavy-Duty (HHD) trucks take to and from their destination, and the emissions impact that the HHD trucks may have on residential communities and sensitive receptors.

The District recommends HHD truck routing patterns be evaluated with the aim of limiting exposure of residential communities and sensitive receptors to emissions. This evaluation would consider the current truck routes, the quantity and type of each truck (e.g., Medium Heavy-Duty, HHD, etc.), the destination and origin of each trip, traffic volume correlation with the time of day or the day of the week, overall Vehicle Miles Traveled (VMT), and associated exhaust emissions. The truck routing evaluation would also identify alternative truck routes and their impacts on VMT and air quality.

8) Vegetative Barriers and Urban Greening

The District suggests future development project proponents consider incorporating vegetative barriers and urban greening as a measure to further reduce air pollution exposure on sensitive receptors (e.g., residences, schools, healthcare facilities).

While various emission control techniques and programs exist to reduce air quality emissions from mobile and stationary sources, vegetative barriers have been shown to be an additional measure to potentially reduce a population’s exposure to air pollution through the interception of airborne particles and the update of gaseous pollutants. Examples of vegetative barriers include, but are not limited to the following: trees, bushes, shrubs, or a mix of these. Generally, a higher and thicker vegetative barrier with full coverage will result in greater reductions in downwind pollutant concentrations. In the same manner, urban greening is also a way to help improve air quality and public health in addition to enhancing the overall beautification of a community with drought tolerant, low-maintenance greenery.

9) On-Site Solar Deployment

It is the policy of the State of California that renewable energy resources and zero-carbon resources supply 100% of retail sales of electricity to California end-use customers by December 31, 2045. While various emission control techniques and programs exist to reduce air quality emissions from mobile and stationary sources, the production of solar energy is contributing to improving air quality and public health. The District suggests that solar power systems as an emission reduction strategy be incorporated for future development projects that may be approved under implantation of the Project.

10) Electric Infrastructure

To support and accelerate the installation of electric vehicle charging equipment and development of required infrastructure, the District offers incentives to public agencies, businesses, and property owners of multi-unit dwellings to install electric charging infrastructure (Level 2 and 3 chargers). The purpose of the District's Charge Up! Incentive program is to promote clean air alternative-fuel technologies and the use of low or zero-emission vehicles. The District recommends that future development project proponents install electric vehicle chargers at project sites, and at strategic locations.

Please visit https://ww2.valleyair.org/grants/charge-up for more information.

11) Locomotives, and Railcar Movers/Switchers

To reduce air quality emission impacts, the District recommends future development projects freight and passenger train operators to utilize newer, and cleaner technology. Replacing older locomotives is important to reduce the public's exposure to diesel emissions, including PM2.5 in the form of diesel particulate and NOx. These pollutants negatively impact human health, especially for sensitive populations such as children and the elderly. New, clean-technology locomotives generate significantly lower emissions than older, uncontrolled diesel locomotives.

The District offers the following incentive program for locomotive fleets interested in transitioning to newer, clean technology:

- Heavy-Duty Program – https://ww2.valleyair.org/grants/locomotive-program/ Locomotive replacements, including switcher locomotives and railcar movers can be funded as an eligible project category under the District's utilizing funding provided to support AB 617. These projects are administered according to the Carl Moyer Program guidelines.

12) District Rules and Regulations

The District issues permits for many types of air pollution sources, and regulates some activities that do not require permits. A project subject to District rules and regulations would reduce its impacts on air quality through compliance with the District's regulatory framework. In general, a regulation is a collection of individual rules, each of which deals with a specific topic. As an example, Regulation II (Permits) includes District Rule 2010 (Permits Required), Rule 2201 (New and Modified Stationary Source Review), Rule 2520 (Federally Mandated Operating Permits), and several other rules pertaining to District permitting requirements and processes.

The list of rules below is neither exhaustive nor exclusive. Current District rules can be found online at: https://ww2.valleyair.org/rules-and-planning/current-district-rules-and-regulations. To identify other District rules or regulations that apply to future development projects, or to obtain information about District permit requirements, the project proponents are strongly encouraged to contact the District's Small Business Assistance (SBA) Office at (209) 557-6446.

12a) District Rules 2010 and 2201 - Air Quality Permitting for Stationary Sources

Stationary Source emissions include any building, structure, facility, or installation which emits or may emit any affected pollutant directly or as a fugitive emission. District Rule 2010 (Permits Required) requires operators of emission sources to obtain an Authority to Construct (ATC) and Permit to Operate (PTO) from the District. District Rule 2201 (New and Modified Stationary Source Review) requires that new and modified stationary sources of emissions mitigate their emissions using Best Available Control Technology (BACT).

Future development projects may be subject to District Rule 2010 (Permits Required) and Rule 2201 (New and Modified Stationary Source Review) and may require District permits. Prior to construction, project proponents shall obtain an ATC permit from the District for equipment/activities subject to District permitting requirements. For further information or assistance, project proponents may contact the District's SBA Office at (209) 557-6446.

12b) District Rule 9510 - Indirect Source Review (ISR)

The purpose of District Rule 9510 is to reduce the growth in both NOx and PM emissions associated with development and transportation projects from mobile and area sources; specifically, the emissions associated with the construction and subsequent operation of development projects. The Rule requires developers to mitigate their NOx and PM emissions by incorporating clean air

design elements into their projects. Should the proposed development project clean air design elements be insufficient to meet the required emission reductions, developers must pay a fee that ultimately funds incentive projects to achieve off-site emissions reductions.

Accordingly, future development projects may be subject to District Rule 9510 if upon full buildout, the project would equal or exceed any of the following applicability thresholds, depending on the type of development and public agency approval mechanism:

Table 1: ISR Applicability Thresholds

Development Type	Discretionary Approval Threshold	Ministerial Approval / Allowed Use / By Right Thresholds
Residential	50 dwelling units	250 dwelling units
Commercial	2,000 square feet	10,000 square feet
Light Industrial	25,000 square feet	125,000 square feet
Heavy Industrial	100,000 square feet	500,000 square feet
Medical Office	20,000 square feet	100,000 square feet
General Office	39,000 square feet	195,000 square feet
Educational Office	9,000 square feet	45,000 square feet
Government	10,00 square feet	50,000 square feet
Recreational	20,000 square feet	100,000 square feet
Other	9,000 square feet	45,000 square feet

District Rule 9510 also applies to any transportation or transit development projects where construction exhaust emissions equal or exceed two tons of NOx or two tons of PM.

In the case future development project(s) are subject to District Rule 9510, per Section 5.0 of the rule, an Air Impact Assessment (AIA) application is required to be submitted no later than applying for project-level approval from a public agency so that proper mitigation and clean air design under ISR can be incorporated into the public agency's analysis.

Information about how to comply with District Rule 9510 can be found online at: https://ww2.valleyair.org/permitting/indirect-source-review-rule-overview

The AIA application form can be found online at: https://ww2.valleyair.org/permitting/indirect-source-review-rule-overview/forms-and-applications/

District staff is available to provide assistance with determining if future development projects will be subject to Rule 9510, and can be reached by phone at (559) 230-5900 or by email at ISR@valleyair.org.

12c) District Rule 9410 (Employer Based Trip Reduction)

Future development projects may be subject to District Rule 9410 (Employer Based Trip Reduction) if the project would result in employment of 100 or more "eligible" employees. District Rule 9410 requires employers with 100 or more "eligible" employees at a worksite to establish an Employer Trip Reduction Implementation Plan (eTRIP) that encourages employees to reduce single-occupancy vehicle trips, thus reducing pollutant emissions associated with work commutes. Under an eTRIP plan, employers have the flexibility to select the options that work best for their worksites and their employees.

Information about District Rule 9410 can be found online at: https://ww2.valleyair.org/compliance/rule-9410-employer-based-trip-reduction/.

For additional information, you can contact the District by phone at 559-230-6000 or by e-mail at etrip@valleyair.org

12d) Other District Rules and Regulations

Future development projects may also be subject to the following District rules: Rule 4102 (Nuisance) and Rule 4641 (Cutback, Slow Cure, and Emulsified Asphalt, Paving and Maintenance Operations).

13) District Comment Letter

The District recommends that a copy of the District's comments be provided to the Project proponent.

If you have any questions or require further information, please contact Matt Crow by e-mail at Matt.Crow@valleyair.org or by phone at (559) 230-5931.

Sincerely,



For: Mark Montelongo
Director of Policy and Government Affairs

SJCOG Hybrid Scoping Meeting

Meeting Date: 5/13/2025 12:00 PM

Link to Outlook Item: *click here*

Invitation Message

Participants

Eric VonBerg (Meeting Organizer)

Notes

1. Ken Baxter - SJRTD

Transportation as a comprehensive program to be studied in the EIR.

Strong emphasis on transit oriented development, current and future opportunities.

2. Damaris E Galvan

Inclusion of transit component in the RTP - implement zero emission vehicles for transit

Providing equitable transportation.

Appendix B

Air Quality Emissions Calculations

SJCOG 2026 RTP/SCS Air Quality Emission Calculations

Scenario	VMT*	ROG (tons/day)	NO_X (tons/day)	PM_{10} (tons/day)[1]	$PM_{2.5}$ (tons/day)[1]	Fugitive PM_{10} (tons/day)[2]	Fugitive $PM_{2.5}$ (tons/day)[2]	CO (tons/day)	SOx (tons/day)
2025 SJCOG Baseline									
On-Road Motor Vehicles	18,854,706	3.242	6.304	0.600	0.240	0.515	0.160	25.742	0.085
2049 No Build									
On-Road Motor Vehicles	21,444,530	1.863	5.772	0.714	0.267	0.615	0.191	16.819	0.074
2049 Project (Scenario E)									
On-Road Motor Vehicles	21,418,525	1.859	5.763	0.710	0.266	0.612	0.190	16.716	0.074
Difference (2049 Project - Baseline)	**2,563,819**	**(1.383)**	**(0.540)**	**0.110**	**0.025**	**0.097**	**0.030**	**(9.026)**	**(0.012)**
%	**14%**	**-43%**	**-9%**	**18.4%**	**10.6%**	**19%**	**19%**	**-35%**	**-14%**
Difference (2049 Project - No Build)	-26,004	-0.004	-0.01	-0.003	-0.001	-0.003	-0.001	-0.10	-0.0002
%	-0.1%	-0.2%	-0.1%	-0.5%	-0.5%	-0.5%	-0.6%	-0.6%	-0.3%

Notes

*** VMT from SJCOG "Transportation Model Metrics" Spreadsheet. Not adjusted for induced demand.**

Annual emissions - Total

1) Includes tire and break wear in the total PM

2) Includes only tire and break wear

Scenario	Diesel PM2.5 (tons/day)	Diesel PM10 (tons/day)1	Diesel NOX (tons/day)	Diesel SOX (tons/day)	Diesel CO (tons/day)
2025 SJCOG Baseline					
On-Road Motor Vehicles	0.054	0.056	4.34	0.02	1.20
2049 No Build					
On-Road Motor Vehicles	0.046	0.048	4.86	0.02	1.31
2049 Project (Scenario E)					
On-Road Motor Vehicles	0.046	0.048	4.86	0.02	1.31
Difference (2049 Project - Baseline)	**(0.007)**	**(0.008)**	**0.521**	**(0.0004)**	**0.109**
%	**-14%**	**-14%**	**12%**	**-1%**	**9%**
Difference (2049 Project - No Build)	-0.0001	-0.0001	-0.006	-0.00003	-0.002
%	-0.12%	-0.12%	-0.12%	-0.12%	-0.14%

Notes

Diesel annual emissions -Total Exhaust (TOTEX)

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX	TOG_DIURN
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Vehicles	All Vehicles	468,330.7	18,854,706.5	18,115,214.4	739,492.1	2,436,723.5	0.5622	0.0829	0.9457	1.59	0.9059
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Other Buses-Dsl	All Other Buses - Dsl	58.4	2,968.0	2,968.0	0	519.4	0.0007	0.0000		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Other Buses-NG	All Other Buses - Oth	2.22	124.0	124.0	0	19.7	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Dsl	LDA - Dsl	533.5	17,113.7	17,113.7	0	2,271.0	0.0005			0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Elec	LDA - Oth	10,218.2	488,545.3	0	488,545.3	51,012.2				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Gas	LDA - Gas	212,925.1	8,648,407.0	8,648,407.0	0	982,411.8	0.1050		0.3734	0.4784	0.3712
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Phe	LDA - Gas	6,074.6	294,255.9	143,329.0	150,926.9	25,118.3	0.0006		0.0052	0.0058	0.0033
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Dsl	LDT1 - Dsl	4.35	47.1	47.1	0	12.31	0.0000			0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Elec	LDT1 - Oth	33.7	1,564.6	0	1,564.6	165.5				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Gas	LDT1 - Gas	18,017.5	605,323.4	605,323.4	0	78,037.5	0.0278		0.0597	0.0875	0.0710
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Phe	LDT1 - Gas	29.5	1,602.9	697.6	905.4	122.0	0.0000		0.0000	0.0000	0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Dsl	LDT2 - Dsl	262.6	11,649.7	11,649.7	0	1,257.9	0.0002			0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Elec	LDT2 - Oth	645.5	22,624.6	0	22,624.6	3,284.2				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Gas	LDT2 - Gas	90,980.4	3,692,517.6	3,692,517.6	0	422,451.7	0.0608		0.1951	0.2559	0.1646
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Phe	LDT2 - Gas	788.3	40,729.4	18,596.2	22,133.2	3,259.7	0.0001		0.0007	0.0008	0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Dsl	LHD1 - Dsl	7,258.4	251,065.7	251,065.7	0	91,301.8	0.0661	0.0010		0.0671	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Elec	LHD1 - Oth	54.6	3,717.6	0	3,717.6	764.3				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Gas	LHD1 - Gas	8,120.0	288,328.4	288,328.4	0	120,976.6	0.0200	0.0055	0.0245	0.0499	0.0283
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Dsl	LHD2 - Dsl	2,662.6	96,311.9	96,311.9	0	33,492.7	0.0214	0.0004		0.0218	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Elec	LHD2 - Oth	13.8	896.8	0	896.8	183.6				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Gas	LHD2 - Gas	970.2	33,936.0	33,936.0	0	14,454.6	0.0008	0.0006	0.0028	0.0043	0.0032
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MCY-Gas	MCY - Gas	10,319.0	55,532.3	55,532.3	0	20,637.9	0.0869		0.0363	0.1232	0.0587
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Dsl	MDV - Dsl	1,197.0	44,638.2	44,638.2	0	5,517.0	0.0007			0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Elec	MDV - Oth	709.4	24,816.7	0	24,816.7	3,607.1				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Gas	MDV - Gas	79,431.9	2,795,637.4	2,795,637.4	0	358,415.9	0.0835		0.2434	0.3269	0.1964
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Phe	MDV - Gas	562.5	26,693.5	12,606.6	14,086.9	2,326.0	0.0001		0.0005	0.0005	0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MH-Dsl	MH - Dsl	542.7	4,685.5	4,685.5	0	54.3	0.0008			0.0008	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MH-Gas	MH - Gas	1,156.3	10,085.6	10,085.6	0	115.7	0.0009		0.0000	0.0009	0.0061
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	Motor Coach-Dsl	Motor Coach - Dsl	16.2	2,160.5	2,160.5	0	371.4	0.0000	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	OBUS-Elec	OBUS - Oth	0.73	68.0	0	68.0	14.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	OBUS-Gas	OBUS - Gas	146.8	6,280.1	6,280.1	0	2,936.8	0.0010	0.0002	0.0007	0.0019	0.0007
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	PTO-Dsl	PTO-Dsl		17,275.0	17,275.0	0		0.0004			0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	PTO-Elec	PTO-Oth		231.7	0	231.7					0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Dsl	SBUS - Dsl	421.3	9,322.2	9,322.2	0	6,099.8	0.0009	0.0001		0.0009	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Elec	SBUS - Oth	0.59	76.0	0	76.0	32.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Gas	SBUS - Gas	113.1	6,247.6	6,247.6	0	452.4	0.0002	0.0019	0.0002	0.0023	0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-NG	SBUS-Oth	81.7	1,994.6	1,994.6	0	1,183.7	0.0068	0.0013		0.0081	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	9.09	599.5	599.5	0	208.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth	0.1124	9.0	0	9.0	2.58				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	12.0	823.8	823.8	0	276.5	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth	0.1300	11.0	0	11.0	2.99				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	40.6	2,138.0	2,138.0	0	933.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth	0.73	43.4	0	43.4	16.9				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	67.1	13,551.7	13,551.7	0	1,542.3	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth	0.62	131.4	0	131.4	14.3				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	216.9	7,282.7	7,282.7	0	3,095.0	0.0004	0.0001		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth	1.78	71.0	0	71.0	25.4				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	139.6	4,740.2	4,740.2	0	1,992.3	0.0003	0.0000		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth	1.07	43.0	0	43.0	15.3				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	608.4	20,562.9	20,562.9	0	8,682.6	0.0011	0.0002		0.0013	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth	4.9	195.3	0	195.3	69.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	109.4	5,953.7	5,953.7	0	1,560.6	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth	0.42	18.5	0	18.5	6.0				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG	4.62	263.3	263.3	0	66.0	0.0003	0.0001		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	393.0	16,187.0	16,187.0	0	4,543.0	0.0010	0.0002		0.0012	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth	3.4	156.4	0	156.4	39.2				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	1,060.2	45,757.1	45,757.1	0	12,256.3	0.0006	0.0003		0.0009	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth	8.2	385.7	0	385.7	94.9				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	807.3	33,966.4	33,966.4	0	9,332.2	0.0016	0.0003		0.0019	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth	6.6	305.6	0	305.6	76.4				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	516.6	22,620.5	22,620.5	0	5,971.9	0.0004	0.0002		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth	3.24	219.2	0	219.2	37.4				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG	9.55	521.1	521.1	0	110.4	0.0004	0.0001		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	9.53	447.9	447.9	0	110.2	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth	0.1026	5.9	0	5.9	1.19				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	638.3	38,011.5	38,011.5	0	7,378.3	0.0005	0.0002		0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth	1.15	82.3	0	82.3	13.3				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG	15.6	1,067.5	1,067.5	0	179.9	0.0008	0.0002		0.0011	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl	5.32	348.4	348.4	0	122.2	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl	7.01	478.0	478.0	0	161.1	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl	23.8	1,249.0	1,249.0	0	548.0	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	36.1	9,081.6	9,081.6	0	830.3	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl	26.6	902.8	902.8	0	136.5	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-Elec	T6 Public-Oth	0.2887	12.5	0	12.5	1.48				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-NG	T6 Public-NG	1.37	58.5	58.5	0	7.03	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl	66.5	2,393.7	2,393.7	0	341.2	0.0001	0.0000		0.0002	

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX	TOG_DIURN
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-Elec	T6 Public-Oth	0.67	28.8	0	28.8	3.44				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-NG	T6 Public-NG	7.53	305.7	305.7	0	38.6	0.0003	0.0002		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl	106.9	3,820.6	3,820.6	0	548.6	0.0003	0.0000		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-Elec	T6 Public-Oth	1.11	45.1	0	45.1	5.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-NG	T6 Public-NG	7.24	299.6	299.6	0	37.1	0.0003	0.0002		0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl	127.3	5,793.3	5,793.3	0	653.2	0.0005	0.0001		0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-Elec	T6 Public-Oth	1.50	94.9	0	94.9	7.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-NG	T6 Public-NG	11.5	604.2	604.2	0	58.8	0.0006	0.0002		0.0008	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl	29.0	1,178.2	1,178.2	0	371.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth	0.52	22.6	0	22.6	6.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-NG	T6 Utility-NG	0.0795	3.08	3.08	0	1.0180	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl	5.50	222.3	222.3	0	70.4	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth	0.0989	4.3	0	4.3	1.27				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-NG	T6 Utility-NG	0.0236	0.8876	0.8876	0	0.3018	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl	6.22	308.8	308.8	0	79.6	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth	0.1116	6.9	0	6.9	1.43				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-NG	T6 Utility-NG	0.0185	0.8472	0.8472	0	0.2373	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6TS-Elec	T6TS - Gas	3.8	352.3	0	352.3	75.9				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6TS-Gas	T6TS - Gas	456.3	23,475.2	23,475.2	0	9,129.9	0.0033	0.0007	0.0031	0.0071	0.0018
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1,339.9	272,762.9	272,762.9	0	30,789.8	0.0043	0.0175		0.0218	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth	16.5	3,243.3	0	3,243.3	378.1				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1,202.9	326,324.4	326,324.4	0	27,642.5	0.0050	0.0195		0.0245	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	509.4	118,547.9	118,547.9	0	11,706.8	0.0019	0.0083		0.0102	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	26.7	4,960.6	4,960.6	0	437.1	0.0001	0.0001		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth	0.1095	26.1	0	26.1	1.79				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl	118.1	11,754.7	11,754.7	0	1,931.8	0.0002	0.0005		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth	0.62	54.4	0	54.4	10.2				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl	135.3	17,055.4	17,055.4	0	2,213.7	0.0003	0.0006		0.0009	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth	0.2705	29.1	0	29.1	4.4				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-NG	T7 POLA-NG	0.0628	7.7	7.7	0	1.03	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl	332.0	14,276.3	14,276.3	0	1,703.3	0.0021	0.0005		0.0026	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-Elec	T7 Public-Oth	2.82	180.5	0	180.5	14.4				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-NG	T7 Public-NG	25.4	1,233.5	1,233.5	0	130.1	0.0025	0.0006		0.0030	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	144.0	9,333.1	9,333.1	0	662.3	0.0003	0.0002		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth	1.73	109.6	0	109.6	8.0				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG	85.1	5,510.6	5,510.6	0	391.7	0.0208	0.0012		0.0220	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	104.1	7,332.1	7,332.1	0	980.2	0.0001	0.0002		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth	1.77	145.8	0	145.8	16.6				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG	2.72	194.1	194.1	0	25.6	0.0002	0.0001		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl	445.4	26,511.4	26,511.4	0	4,195.7	0.0005	0.0010		0.0015	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth	3.20	259.0	0	259.0	30.1				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-NG	T7 Single-NG	15.7	919.5	919.5	0	147.9	0.0011	0.0006		0.0017	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl	999.4	50,326.3	50,326.3	0	9,414.7	0.0008	0.0024		0.0032	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth	12.3	762.3	0	762.3	116.0				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-NG	T7 Single-NG	34.0	1,716.8	1,716.8	0	320.5	0.0021	0.0012		0.0032	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	2,532.2	188,689.7	188,689.7	0	36,792.7	0.0034	0.0110		0.0143	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth	13.5	1,104.2	0	1,104.2	196.7				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG	45.3	3,343.8	3,343.8	0	657.6	0.0038	0.0030		0.0068	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl	21.1	942.2	942.2	0	270.0	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth	0.1318	8.4	0	8.4	1.69				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7IS-Elec	T7IS - Gas	0.0034	1.01	0	1.01	0.0682				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7IS-Gas	T7IS - Gas	1.1791	46.7	46.7	0	23.6	0.0002		0.0000	0.0002	0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Dsl	UBUS - Dsl	63.0	4,276.5	4,276.5	0	252.1	0.0003			0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Elec	UBUS - Oth	15.7	729.6	0	729.6	62.9				0	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Gas	UBUS - Gas	43.5	3,280.6	3,280.6	0	174.2	0.0001		0.0001	0.0002	0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-NG	UBUS - NG	60.0	3,967.3	3,967.3	0	240.1	0.0129			0.0129	

Veh_Tech	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	NOx_TOTEX
All Vehicles	0.3032	0.7187	3.52	0.3865	0.0634	0.8640	1.31	0.9059	0.3032	0.7187	3.24	16.8	0.9291	8.00	25.7	4.22	0.7442	1.30	6.30
All Other Buses-Dsl			0.0007	0.0006	0.0000		0.0006				0.0006	0.0016	0.0001		0.0018	0.0081	0.0003	0.0007	0.0091
All Other Buses-NG			0.0001	0.0000	0.0000		0.0000				0.0000	0.0005	0.0000		0.0005	0.0000	0.0000		0.0000
LDA-Dsl			0.0005	0.0004			0.0004				0.0004	0.0056			0.0056	0.0038			0.0038
LDA-Elec			0				0				0				0				0
LDA-Gas	0.1019	0.2659	1.22	0.0720		0.3410	0.4130	0.3712	0.1019	0.2659	1.15	6.81		3.35	10.16	0.3578		0.2736	0.6314
LDA-Phe	0.0012	0.0011	0.0113	0.0004		0.0047	0.0051	0.0033	0.0012	0.0011	0.0107	0.0697		0.0363	0.1059	0.0010		0.0032	0.0042
LDT1-Dsl			0.0000	0.0000			0.0000				0.0000	0.0001			0.0001	0.0001			0.0001
LDT1-Elec			0				0				0				0				0
LDT1-Gas	0.0179	0.0530	0.2295	0.0190		0.0546	0.0736	0.0710	0.0179	0.0530	0.2156	1.0095		0.5147	1.52	0.0909		0.0381	0.1290
LDT1-Phe	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003		0.0002	0.0005	0.0000		0.0000	0.0000
LDT2-Dsl			0.0002	0.0002			0.0002				0.0002	0.0015			0.0015	0.0005			0.0005
LDT2-Elec			0				0				0				0				0
LDT2-Gas	0.0422	0.1188	0.5815	0.0417		0.1782	0.2199	0.1646	0.0422	0.1188	0.5455	3.38		1.70	5.07	0.2638		0.1583	0.4221
LDT2-Phe	0.0001	0.0001	0.0012	0.0001		0.0006	0.0007	0.0003	0.0001	0.0001	0.0011	0.0091		0.0047	0.0138	0.0001		0.0004	0.0005
LHD1-Dsl			0.0671	0.0581	0.0009		0.0589				0.0591	0.1681	0.0073		0.1754	0.5642	0.0173		0.5818
LHD1-Elec			0				0				0				0				0
LHD1-Gas	0.0068	0.0382	0.1232	0.0137	0.0038	0.0223	0.0398	0.0283	0.0068	0.0382	0.1132	0.3661	0.0336	0.4033	0.8031	0.0598	0.0003	0.0883	0.1489
LHD2-Dsl			0.0218	0.0188	0.0003		0.0191				0.0192	0.0512	0.0027		0.0538	0.1587	0.0060		0.1649
LHD2-Elec			0				0				0				0				0
LHD2-Gas	0.0008	0.0041	0.0123	0.0006	0.0004	0.0025	0.0036	0.0032	0.0008	0.0041	0.0116	0.0267	0.0040	0.0483	0.0790	0.0057	0.0000	0.0103	0.0161
MCY-Gas	0.0821	0.0888	0.3527	0.0730		0.0334	0.1064	0.0587	0.0821	0.0888	0.3359	0.8725		0.1890	1.0615	0.0385		0.0035	0.0420
MDV-Dsl			0.0007	0.0006			0.0006				0.0006	0.0106			0.0106	0.0040			0.0040
MDV-Elec			0				0				0				0				0
MDV-Gas	0.0481	0.1441	0.7154	0.0573		0.2223	0.2795	0.1964	0.0481	0.1441	0.6681	3.50		1.67	5.17	0.3295		0.1891	0.5186
MDV-Phe	0.0001	0.0001	0.0009	0.0000		0.0004	0.0005	0.0002	0.0001	0.0001	0.0009	0.0070		0.0034	0.0104	0.0001		0.0003	0.0004
MH-Dsl			0.0008	0.0007			0.0007				0.0007	0.0025			0.0025	0.0250			0.0250
MH-Gas	0.0015	0.0000	0.0085	0.0006		0.0000	0.0006	0.0061	0.0015	0.0000	0.0082	0.0129		0.0004	0.0133	0.0041		0.0001	0.0042
Motor Coach-Dsl			0.0001	0.0000	0.0001		0.0001				0.0001	0.0002	0.0010		0.0012	0.0040	0.0008	0.0008	0.0057
OBUS-Elec			0				0				0				0				0
OBUS-Gas	0.0001	0.0007	0.0034	0.0007	0.0001	0.0007	0.0015	0.0007	0.0001	0.0007	0.0030	0.0144	0.0009	0.0145	0.0298	0.0048	0.0000	0.0015	0.0063
PTO-Dsl			0.0004	0.0004			0.0004				0.0004	0.0044			0.0044	0.0544			0.0552
PTO-Elec			0				0				0				0				0
SBUS-Dsl			0.0009	0.0007	0.0001		0.0008				0.0008	0.0022	0.0020		0.0042	0.0446	0.0106	0.0033	0.0586
SBUS-Elec			0				0				0				0				0
SBUS-Gas	0.0000	0.0001	0.0026	0.0001	0.0013	0.0002	0.0016	0.0002	0.0000	0.0001	0.0019	0.0032	0.0103	0.0042	0.0177	0.0015	0.0001	0.0004	0.0020
SBUS-NG			0.0081	0.0001	0.0000		0.0001				0.0001	0.0215	0.0022		0.0237	0.0009	0.0005		0.0014
T6 CAIRP Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0003	0.0000	0.0001	0.0004
T6 CAIRP Class 4-Elec			0				0				0				0				0
T6 CAIRP Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0001	0.0003	0.0000	0.0002	0.0006
T6 CAIRP Class 5-Elec			0				0				0				0				0
T6 CAIRP Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0008	0.0001	0.0006	0.0016
T6 CAIRP Class 6-Elec			0				0				0				0				0
T6 CAIRP Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0005	0.0002		0.0006	0.0057	0.0002	0.0010	0.0070
T6 CAIRP Class 7-Elec			0				0				0				0				0
T6 Instate Delivery Class 4-Dsl			0.0005	0.0004	0.0001		0.0004				0.0004	0.0013	0.0017		0.0031	0.0099	0.0026	0.0052	0.0178
T6 Instate Delivery Class 4-Elec			0				0				0				0				0
T6 Instate Delivery Class 5-Dsl			0.0003	0.0003	0.0000		0.0003				0.0003	0.0009	0.0011		0.0020	0.0061	0.0017	0.0033	0.0112
T6 Instate Delivery Class 5-Elec			0				0				0				0				0
T6 Instate Delivery Class 6-Dsl			0.0013	0.0010	0.0002		0.0011				0.0011	0.0037	0.0049		0.0085	0.0262	0.0071	0.0146	0.0486
T6 Instate Delivery Class 6-Elec			0				0				0				0				0
T6 Instate Delivery Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0006	0.0009		0.0014	0.0068	0.0012	0.0027	0.0107
T6 Instate Delivery Class 7-Elec			0				0				0				0				0
T6 Instate Delivery Class 7-NG			0.0003	0.0000	0.0000		0.0000				0.0000	0.0011	0.0002		0.0013	0.0000	0.0000		0.0000
T6 Instate Other Class 4-Dsl			0.0012	0.0009	0.0001		0.0011				0.0011	0.0030	0.0035		0.0066	0.0227	0.0056	0.0083	0.0370
T6 Instate Other Class 4-Elec			0				0				0				0				0
T6 Instate Other Class 5-Dsl			0.0009	0.0005	0.0002		0.0007				0.0008	0.0031	0.0089		0.0119	0.0308	0.0122	0.0246	0.0686
T6 Instate Other Class 5-Elec			0				0				0				0				0
T6 Instate Other Class 6-Dsl			0.0019	0.0014	0.0003		0.0017				0.0017	0.0050	0.0071		0.0122	0.0395	0.0108	0.0176	0.0689
T6 Instate Other Class 6-Elec			0				0				0				0				0
T6 Instate Other Class 7-Dsl			0.0005	0.0003	0.0001		0.0005				0.0005	0.0020	0.0044		0.0064	0.0260	0.0062	0.0121	0.0447
T6 Instate Other Class 7-Elec			0				0				0				0				0
T6 Instate Other Class 7-NG			0.0005	0.0000	0.0000		0.0000				0.0000	0.0015	0.0004		0.0020	0.0000	0.0001		0.0001
T6 Instate Tractor Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0006	0.0001	0.0002	0.0010
T6 Instate Tractor Class 6-Elec			0				0				0				0				0
T6 Instate Tractor Class 7-Dsl			0.0006	0.0004	0.0001		0.0006				0.0006	0.0028	0.0053		0.0081	0.0337	0.0076	0.0147	0.0563
T6 Instate Tractor Class 7-Elec			0				0				0				0				0
T6 Instate Tractor Class 7-NG			0.0011	0.0000	0.0000		0.0000				0.0000	0.0031	0.0007		0.0038	0.0001	0.0001		0.0002
T6 OOS Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001	0.0003
T6 OOS Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001	0.0003
T6 OOS Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0001	0.0005	0.0001	0.0004	0.0010
T6 OOS Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0003	0.0001		0.0004	0.0040	0.0001	0.0005	0.0047
T6 Public Class 4-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0002	0.0002		0.0003	0.0052	0.0013	0.0001	0.0067
T6 Public Class 4-Elec			0				0				0				0				0
T6 Public Class 4-NG			0.0001	0.0000	0.0000		0.0000				0.0000	0.0002	0.0001		0.0003	0.0000	0.0000		0.0000
T6 Public Class 5-Dsl			0.0002	0.0001	0.0000		0.0001				0.0001	0.0003	0.0006		0.0009	0.0064	0.0023	0.0005	0.0092

Veh_Tech	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	NOx_TOTEX
T6 Public Class 5-Elec			0				0				0				0				0
T6 Public Class 5-NG			0.0005	0.0000	0.0000		0.0000				0.0000	0.0010	0.0003		0.0013	0.0001	0.0001		0.0001
T6 Public Class 6-Dsl			0.0003	0.0003	0.0000		0.0003				0.0003	0.0007	0.0009		0.0016	0.0168	0.0037	0.0007	0.0213
T6 Public Class 6-Elec			0				0				0				0				0
T6 Public Class 6-NG			0.0004	0.0000	0.0000		0.0000				0.0000	0.0010	0.0004		0.0014	0.0000	0.0001		0.0001
T6 Public Class 7-Dsl			0.0006	0.0004	0.0001		0.0005				0.0005	0.0010	0.0011		0.0021	0.0268	0.0042	0.0008	0.0320
T6 Public Class 7-Elec			0				0				0				0				0
T6 Public Class 7-NG			0.0008	0.0000	0.0000		0.0000				0.0000	0.0020	0.0006		0.0027	0.0001	0.0001		0.0002
T6 Utility Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0002		0.0002	0.0006	0.0002	0.0006	0.0014
T6 Utility Class 5-Elec			0				0				0				0				0
T6 Utility Class 5-NG			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
T6 Utility Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001	0.0003
T6 Utility Class 6-Elec			0				0				0				0				0
T6 Utility Class 6-NG			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
T6 Utility Class 7-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0001	0.0001	0.0001	0.0001	0.0003
T6 Utility Class 7-Elec			0				0				0				0				0
T6 Utility Class 7-NG			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
T6TS-Elec			0				0				0				0				0
T6TS-Gas	0.0004	0.0036	0.0130	0.0023	0.0005	0.0028	0.0056	0.0018	0.0004	0.0036	0.0115	0.0482	0.0076	0.0628	0.1186	0.0136	0.0000	0.0044	0.0182
T7 CAIRP Class 8-Dsl			0.0218	0.0038	0.0154		0.0192				0.0194	0.0161	0.2274		0.2436	0.4501	0.1705	0.0754	0.7213
T7 CAIRP Class 8-Elec			0				0				0				0				0
T7 NNOOS Class 8-Dsl			0.0245	0.0044	0.0172		0.0216				0.0216	0.0175	0.2535		0.2710	0.5280	0.2031	0.0706	0.8017
T7 NOOS Class 8-Dsl			0.0102	0.0017	0.0073		0.0089				0.0089	0.0071	0.1073		0.1144	0.2009	0.0860	0.0295	0.3164
T7 Other Port Class 8-Dsl			0.0002	0.0001	0.0001		0.0002				0.0002	0.0005	0.0015		0.0020	0.0089	0.0012	0.0011	0.0113
T7 Other Port Class 8-Elec			0				0				0				0				0
T7 POAK Class 8-Dsl			0.0007	0.0002	0.0004		0.0006				0.0006	0.0013	0.0066		0.0079	0.0221	0.0051	0.0050	0.0326
T7 POAK Class 8-Elec			0				0				0				0				0
T7 POLA Class 8-Dsl			0.0009	0.0002	0.0005		0.0007				0.0007	0.0022	0.0075		0.0097	0.0343	0.0060	0.0056	0.0461
T7 POLA Class 8-Elec			0				0				0				0				0
T7 POLA Class 8-NG			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0001	0.0000	0.0000		0.0000
T7 Public Class 8-Dsl			0.0026	0.0018	0.0004		0.0023				0.0023	0.0062	0.0039		0.0101	0.1270	0.0119	0.0066	0.1463
T7 Public Class 8-Elec			0				0				0				0				0
T7 Public Class 8-NG			0.0030	0.0000	0.0000		0.0000				0.0000	0.0127	0.0012		0.0138	0.0007	0.0002		0.0009
T7 SWCV Class 8-Dsl			0.0005	0.0003	0.0002		0.0005				0.0005	0.0007	0.0020		0.0026	0.0706	0.0056	0.0024	0.0787
T7 SWCV Class 8-Elec			0				0				0				0				0
T7 SWCV Class 8-NG			0.0220	0.0008	0.0000		0.0008				0.0008	0.1045	0.0053		0.1098	0.0136	0.0005		0.0141
T7 Single Concrete/Transit Mix Class 8-Dsl			0.0003	0.0001	0.0002		0.0003				0.0003	0.0004	0.0032		0.0036	0.0081	0.0024	0.0038	0.0149
T7 Single Concrete/Transit Mix Class 8-Elec			0				0				0				0				0
T7 Single Concrete/Transit Mix Class 8-NG			0.0003	0.0000	0.0000		0.0000				0.0000	0.0012	0.0002		0.0014	0.0001	0.0000		0.0001
T7 Single Dump Class 8-Dsl			0.0015	0.0004	0.0009		0.0013				0.0013	0.0025	0.0133		0.0158	0.0428	0.0107	0.0145	0.0690
T7 Single Dump Class 8-Elec			0				0				0				0				0
T7 Single Dump Class 8-NG			0.0017	0.0000	0.0000		0.0000				0.0000	0.0076	0.0010		0.0086	0.0004	0.0002		0.0006
T7 Single Other Class 8-Dsl			0.0032	0.0007	0.0021		0.0028				0.0028	0.0038	0.0299		0.0336	0.0657	0.0237	0.0342	0.1261
T7 Single Other Class 8-Elec			0				0				0				0				0
T7 Single Other Class 8-NG			0.0032	0.0000	0.0000		0.0000				0.0000	0.0113	0.0025		0.0137	0.0006	0.0004		0.0010
T7 Tractor Class 8-Dsl			0.0143	0.0030	0.0096		0.0126				0.0127	0.0163	0.1413		0.1576	0.3263	0.1117	0.1601	0.6068
T7 Tractor Class 8-Elec			0				0				0				0				0
T7 Tractor Class 8-NG			0.0068	0.0001	0.0000		0.0001				0.0001	0.0241	0.0056		0.0297	0.0013	0.0011		0.0024
T7 Utility Class 8-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0002		0.0004	0.0013	0.0002	0.0015	0.0030
T7 Utility Class 8-Elec			0				0				0				0				0
T7IS-Elec			0				0				0				0				0
T7IS-Gas	0.0000	0.0000	0.0002	0.0001		0.0000	0.0001	0.0000	0.0000	0.0000	0.0002	0.0067		0.0001	0.0068	0.0006		0.0000	0.0007
UBUS-Dsl			0.0003	0.0003			0.0003				0.0003	0.0003			0.0003	0.0015			0.0015
UBUS-Elec			0				0				0				0				0
UBUS-Gas	0.0000	0.0000	0.0003	0.0000		0.0001	0.0002	0.0000	0.0000	0.0000	0.0002	0.0012		0.0020	0.0032	0.0010		0.0002	0.0012
UBUS-NG			0.0129	0.0002			0.0002				0.0002	0.1358			0.1358	0.0002			0.0002

Veh_Tech	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX	SOx_STREX
All Vehicles	0.0790	0.0008	0.0046	0.0844	0.2019	0.3130	0.6001	0.0747	0.0007	0.0042	0.0797	0.0505	0.1095	0.2401	0.0824	0.0013	0.0017
All Other Buses-Dsl	0.0002	0.0000		0.0002	0.0000	0.0002	0.0004	0.0002	0.0000		0.0002	0.0000	0.0001	0.0003	0.0000	0.0000	
All Other Buses-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
LDA-Dsl	0.0002			0.0002	0.0002	0.0001	0.0005	0.0002			0.0002	0.0000	0.0000	0.0003	0.0000		
LDA-Elec				0	0.0043	0.0024	0.0067				0	0.0011	0.0008	0.0019			
LDA-Gas	0.0117		0.0023	0.0139	0.0763	0.0673	0.1575	0.0107		0.0021	0.0128	0.0191	0.0235	0.0554	0.0260		0.0007
LDA-Phe	0.0002		0.0001	0.0003	0.0026	0.0012	0.0041	0.0002		0.0001	0.0002	0.0006	0.0004	0.0013	0.0004		0.0000
LDT1-Dsl	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000		
LDT1-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
LDT1-Gas	0.0012		0.0003	0.0015	0.0053	0.0057	0.0125	0.0011		0.0003	0.0014	0.0013	0.0020	0.0047	0.0022		0.0001
LDT1-Phe	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
LDT2-Dsl	0.0001			0.0001	0.0001	0.0001	0.0003	0.0001			0.0001	0.0000	0.0000	0.0001	0.0000		
LDT2-Elec				0	0.0002	0.0001	0.0003				0	0.0000	0.0000	0.0001			
LDT2-Gas	0.0051		0.0010	0.0060	0.0326	0.0333	0.0720	0.0047		0.0009	0.0056	0.0081	0.0117	0.0254	0.0135		0.0004
LDT2-Phe	0.0000		0.0000	0.0000	0.0004	0.0002	0.0006	0.0000		0.0000	0.0000	0.0001	0.0001	0.0002	0.0001		0.0000
LHD1-Dsl	0.0132	0.0002		0.0134	0.0033	0.0216	0.0386	0.0126	0.0002		0.0128	0.0008	0.0076	0.0213	0.0017	0.0000	
LHD1-Elec				0	0.0000	0.0002	0.0000				0	0.0000	0.0001	0.0000			
LHD1-Gas	0.0005		0.0000	0.0006	0.0025	0.0248	0.0282	0.0005		0.0000	0.0005	0.0006	0.0087	0.0099	0.0028	0.0000	0.0000
LHD2-Dsl	0.0042	0.0001		0.0042	0.0013	0.0097	0.0153	0.0040	0.0001		0.0041	0.0003	0.0034	0.0078	0.0008	0.0000	
LHD2-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
LHD2-Gas	0.0000		0.0000	0.0000	0.0003	0.0034	0.0038	0.0000		0.0000	0.0000	0.0001	0.0012	0.0013	0.0003	0.0000	0.0000
MCY-Gas	0.0001		0.0001	0.0002	0.0002	0.0007	0.0012	0.0001		0.0001	0.0002	0.0001	0.0003	0.0005	0.0001		0.0000
MDV-Dsl	0.0003			0.0003	0.0004	0.0004	0.0011	0.0003			0.0003	0.0001	0.0001	0.0006	0.0002		
MDV-Elec				0	0.0002	0.0001	0.0003				0	0.0001	0.0000	0.0001			
MDV-Gas	0.0046		0.0009	0.0055	0.0247	0.0326	0.0627	0.0042		0.0008	0.0050	0.0062	0.0114	0.0226	0.0130		0.0004
MDV-Phe	0.0000		0.0000	0.0000	0.0002	0.0001	0.0004	0.0000		0.0000	0.0000	0.0001	0.0000	0.0001	0.0000		0.0000
MH-Dsl	0.0007			0.0007	0.0001	0.0002	0.0010	0.0006			0.0006	0.0000	0.0001	0.0007	0.0001		
MH-Gas	0.0000		0.0000	0.0000	0.0001	0.0005	0.0007	0.0000		0.0000	0.0000	0.0000	0.0002	0.0002	0.0002		0.0000
Motor Coach-Dsl	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000		0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	
OBUS-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
OBUS-Gas	0.0000		0.0000	0.0000	0.0001	0.0003	0.0004	0.0000		0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000
PTO-Dsl	0.0001			0.0001			0.0001	0.0001			0.0001			0.0001	0.0004		
PTO-Elec				0			0				0			0			
SBUS-Dsl	0.0002	0.0000		0.0003	0.0001	0.0005	0.0008	0.0002	0.0000		0.0002	0.0000	0.0002	0.0004	0.0001	0.0000	
SBUS-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
SBUS-Gas	0.0000		0.0000	0.0000	0.0001	0.0003	0.0004	0.0000		0.0000	0.0000	0.0000	0.0001	0.0001	0.0001	0.0000	0.0000
SBUS-NG	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001			
T6 CAIRP Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 CAIRP Class 4-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 CAIRP Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 CAIRP Class 5-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 CAIRP Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	
T6 CAIRP Class 6-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 CAIRP Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0006	0.0009	0.0001	0.0000		0.0001	0.0000	0.0002	0.0004	0.0001	0.0000	
T6 CAIRP Class 7-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Delivery Class 4-Dsl	0.0001	0.0000		0.0001	0.0001	0.0004	0.0006	0.0001	0.0000		0.0001	0.0000	0.0001	0.0003	0.0001	0.0000	
T6 Instate Delivery Class 4-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Delivery Class 5-Dsl	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000		0.0001	0.0000	0.0001	0.0002	0.0001	0.0000	
T6 Instate Delivery Class 5-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Delivery Class 6-Dsl	0.0004	0.0000		0.0005	0.0003	0.0011	0.0018	0.0004	0.0000		0.0004	0.0001	0.0004	0.0009	0.0002	0.0000	
T6 Instate Delivery Class 6-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Delivery Class 7-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0001	0.0000	
T6 Instate Delivery Class 7-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Delivery Class 7-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Instate Other Class 4-Dsl	0.0005	0.0000		0.0005	0.0002	0.0008	0.0015	0.0004	0.0000		0.0005	0.0001	0.0003	0.0008	0.0002	0.0000	
T6 Instate Other Class 4-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Other Class 5-Dsl	0.0003	0.0000		0.0003	0.0006	0.0023	0.0032	0.0003	0.0000		0.0003	0.0002	0.0008	0.0012	0.0005	0.0000	
T6 Instate Other Class 5-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Other Class 6-Dsl	0.0007	0.0000		0.0008	0.0004	0.0017	0.0029	0.0007	0.0000		0.0007	0.0001	0.0006	0.0015	0.0004	0.0000	
T6 Instate Other Class 6-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Other Class 7-Dsl	0.0002	0.0000		0.0002	0.0003	0.0011	0.0016	0.0002	0.0000		0.0002	0.0001	0.0004	0.0007	0.0003	0.0000	
T6 Instate Other Class 7-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Other Class 7-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Instate Tractor Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Instate Tractor Class 6-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Tractor Class 7-Dsl	0.0002	0.0000		0.0002	0.0005	0.0019	0.0026	0.0002	0.0000		0.0002	0.0001	0.0007	0.0010	0.0004	0.0000	
T6 Instate Tractor Class 7-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Instate Tractor Class 7-NG	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 OOS Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 7-Dsl	0.0001	0.0000		0.0001	0.0001	0.0004	0.0006	0.0001	0.0000		0.0001	0.0000	0.0001	0.0002	0.0001	0.0000	
T6 Public Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Public Class 4-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Public Class 4-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Public Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	

Veh_Tech	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX	SOx_STREX
T6 Public Class 5-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Public Class 5-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Public Class 6-Dsl	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000		0.0001	0.0000	0.0001	0.0002	0.0000	0.0000	
T6 Public Class 6-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Public Class 6-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Public Class 7-Dsl	0.0002	0.0000		0.0002	0.0001	0.0003	0.0006	0.0002	0.0000		0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	
T6 Public Class 7-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Public Class 7-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Utility Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 5-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Utility Class 5-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Utility Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 6-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Utility Class 6-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6 Utility Class 7-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 7-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6 Utility Class 7-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T6TS-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T6TS-Gas	0.0000		0.0000	0.0000	0.0003	0.0012	0.0015	0.0000		0.0000	0.0000	0.0001	0.0004	0.0005	0.0005	0.0000	0.0000
T7 CAIRP Class 8-Dsl	0.0096	0.0001		0.0097	0.0108	0.0223	0.0433	0.0092	0.0001		0.0092	0.0027	0.0078	0.0200	0.0043	0.0003	
T7 CAIRP Class 8-Elec				0	0.0001	0.0001	0.0000				0	0.0000	0.0000	0.0000			
T7 NNOOS Class 8-Dsl	0.0110	0.0001		0.0111	0.0129	0.0267	0.0507	0.0105	0.0001		0.0106	0.0032	0.0094	0.0232	0.0051	0.0004	
T7 NOOS Class 8-Dsl	0.0043	0.0000		0.0043	0.0047	0.0097	0.0187	0.0041	0.0000		0.0041	0.0012	0.0034	0.0087	0.0019	0.0002	
T7 Other Port Class 8-Dsl	0.0001	0.0000		0.0001	0.0002	0.0005	0.0008	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000	
T7 Other Port Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 POAK Class 8-Dsl	0.0003	0.0000		0.0003	0.0005	0.0011	0.0018	0.0002	0.0000		0.0003	0.0001	0.0004	0.0008	0.0002	0.0000	
T7 POAK Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 POLA Class 8-Dsl	0.0004	0.0000		0.0004	0.0007	0.0016	0.0027	0.0004	0.0000		0.0004	0.0002	0.0006	0.0011	0.0003	0.0000	
T7 POLA Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 POLA Class 8-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T7 Public Class 8-Dsl	0.0008	0.0000		0.0009	0.0006	0.0018	0.0032	0.0008	0.0000		0.0008	0.0001	0.0006	0.0016	0.0003	0.0000	
T7 Public Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 Public Class 8-NG	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001			
T7 SWCV Class 8-Dsl	0.0002	0.0000		0.0002	0.0004	0.0022	0.0027	0.0002	0.0000		0.0002	0.0001	0.0008	0.0010	0.0004	0.0000	
T7 SWCV Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 SWCV Class 8-NG	0.0000	0.0000		0.0000	0.0002	0.0013	0.0015	0.0000	0.0000		0.0000	0.0001	0.0004	0.0005			
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0001	0.0000		0.0001	0.0003	0.0007	0.0011	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000	
T7 Single Concrete/Transit Mix Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 Single Concrete/Transit Mix Class 8-NG	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T7 Single Dump Class 8-Dsl	0.0005	0.0000		0.0005	0.0011	0.0024	0.0040	0.0005	0.0000		0.0005	0.0003	0.0008	0.0016	0.0005	0.0000	
T7 Single Dump Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 Single Dump Class 8-NG	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000			
T7 Single Other Class 8-Dsl	0.0009	0.0000		0.0009	0.0020	0.0045	0.0074	0.0008	0.0000		0.0009	0.0005	0.0016	0.0029	0.0009	0.0000	
T7 Single Other Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 Single Other Class 8-NG	0.0000	0.0000		0.0000	0.0001	0.0002	0.0002	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001			
T7 Tractor Class 8-Dsl	0.0048	0.0000		0.0048	0.0075	0.0163	0.0288	0.0046	0.0000		0.0046	0.0019	0.0057	0.0123	0.0030	0.0002	
T7 Tractor Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7 Tractor Class 8-NG	0.0000	0.0000		0.0000	0.0001	0.0003	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001			
T7 Utility Class 8-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	
T7 Utility Class 8-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7IS-Elec				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000			
T7IS-Gas	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000
UBUS-Dsl	0.0000			0.0000	0.0001	0.0005	0.0007	0.0000			0.0000	0.0000	0.0002	0.0002	0.0000		
UBUS-Elec				0	0.0000	0.0000	0.0001				0	0.0000	0.0000	0.0000			
UBUS-Gas	0.0000		0.0000	0.0000	0.0000	0.0004	0.0004	0.0000		0.0000	0.0000	0.0000	0.0001	0.0002	0.0001		0.0000
UBUS-NG	0.0000			0.0000	0.0001	0.0005	0.0006	0.0000			0.0000	0.0000	0.0002	0.0002			

Veh_Tech	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	0.0855	1.05	651.0	230.6	3.90
All Other Buses-Dsl	0.0000	0.0006		0.3397	
All Other Buses-NG	0	0.0001			0.0169
LDA-Dsl	0.0000	0.0001		0.3877	
LDA-Elec	0				
LDA-Gas	0.0267	0.3360	285.3		
LDA-Phe	0.0004	0.0062	4.77		
LDT1-Dsl	0.0000	0.0000		0.0019	
LDT1-Elec	0				
LDT1-Gas	0.0022	0.0249	24.0		
LDT1-Phe	0.0000	0.0000	0.0233		
LDT2-Dsl	0.0000	0.0000		0.3389	
LDT2-Elec	0				
LDT2-Gas	0.0139	0.1513	148.6		
LDT2-Phe	0.0001	0.0009	0.6239		
LHD1-Dsl	0.0017	0.0433		15.8	
LHD1-Elec	0				
LHD1-Gas	0.0028	0.0143	30.0		
LHD2-Dsl	0.0008	0.0186		7.30	
LHD2-Elec	0				
LHD2-Gas	0.0003	0.0017	2.76		
MCY-Gas	0.0001	0.0005	1.35		
MDV-Dsl	0.0002	0.0002		1.80	
MDV-Elec	0				
MDV-Gas	0.0134	0.1092	143.4		
MDV-Phe	0.0000	0.0006	0.4673		
MH-Dsl	0.0001	0.0007		0.4986	
MH-Gas	0.0002	0.0005	2.29		
Motor Coach-Dsl	0.0000	0.0005		0.3892	
OBUS-Elec	0				
OBUS-Gas	0.0001	0.0003	1.31		
PTO-Dsl	0.0004	0.0042		3.42	
PTO-Elec	0				
SBUS-Dsl	0.0001	0.0014		1.13	
SBUS-Elec	0				
SBUS-Gas	0.0001	0.0003	0.6130		
SBUS-NG	0	0.0023			0.3563
T6 CAIRP Class 4-Dsl	0.0000	0.0001		0.0666	
T6 CAIRP Class 4-Elec	0				
T6 CAIRP Class 5-Dsl	0.0000	0.0002		0.0916	
T6 CAIRP Class 5-Elec	0				
T6 CAIRP Class 6-Dsl	0.0000	0.0005		0.2341	
T6 CAIRP Class 6-Elec	0				
T6 CAIRP Class 7-Dsl	0.0001	0.0033		1.38	
T6 CAIRP Class 7-Elec	0				
T6 Instate Delivery Class 4-Dsl	0.0001	0.0017		0.8756	
T6 Instate Delivery Class 4-Elec	0				
T6 Instate Delivery Class 5-Dsl	0.0001	0.0011		0.5725	
T6 Instate Delivery Class 5-Elec	0				
T6 Instate Delivery Class 6-Dsl	0.0003	0.0048		2.47	
T6 Instate Delivery Class 6-Elec	0				
T6 Instate Delivery Class 7-Dsl	0.0001	0.0014		0.7097	
T6 Instate Delivery Class 7-Elec	0				
T6 Instate Delivery Class 7-NG	0	0.0003			0.0399
T6 Instate Other Class 4-Dsl	0.0002	0.0037		1.89	
T6 Instate Other Class 4-Elec	0				
T6 Instate Other Class 5-Dsl	0.0006	0.0111		5.33	
T6 Instate Other Class 5-Elec	0				
T6 Instate Other Class 6-Dsl	0.0004	0.0080		3.94	
T6 Instate Other Class 6-Elec	0				
T6 Instate Other Class 7-Dsl	0.0003	0.0055		2.58	
T6 Instate Other Class 7-Elec	0				
T6 Instate Other Class 7-NG	0	0.0006			0.0698
T6 Instate Tractor Class 6-Dsl	0.0000	0.0001		0.0523	
T6 Instate Tractor Class 6-Elec	0				
T6 Instate Tractor Class 7-Dsl	0.0004	0.0092		4.19	
T6 Instate Tractor Class 7-Elec	0				
T6 Instate Tractor Class 7-NG	0	0.0012			0.1403
T6 OOS Class 4-Dsl	0.0000	0.0001		0.0383	
T6 OOS Class 5-Dsl	0.0000	0.0001		0.0526	
T6 OOS Class 6-Dsl	0.0000	0.0003		0.1347	
T6 OOS Class 7-Dsl	0.0001	0.0022		0.9167	
T6 Public Class 4-Dsl	0.0000	0.0001		0.1178	
T6 Public Class 4-Elec	0				
T6 Public Class 4-NG	0	0.0001			0.0086
T6 Public Class 5-Dsl	0.0000	0.0004		0.3074	

Veh_Tech	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Public Class 5-Elec	0				
T6 Public Class 5-NG	0	0.0004			0.0455
T6 Public Class 6-Dsl	0.0001	0.0007		0.4867	
T6 Public Class 6-Elec	0				
T6 Public Class 6-NG	0	0.0004			0.0451
T6 Public Class 7-Dsl	0.0001	0.0010		0.7361	
T6 Public Class 7-Elec	0				
T6 Public Class 7-NG	0	0.0007			0.0878
T6 Utility Class 5-Dsl	0.0000	0.0003		0.1324	
T6 Utility Class 5-Elec	0				
T6 Utility Class 5-NG	0	0.0000			0.0004
T6 Utility Class 6-Dsl	0.0000	0.0001		0.0249	
T6 Utility Class 6-Elec	0				
T6 Utility Class 6-NG	0	0.0000			0.0001
T6 Utility Class 7-Dsl	0.0000	0.0001		0.0343	
T6 Utility Class 7-Elec	0				
T6 Utility Class 7-NG	0	0.0000			0.0001
T6TS-Elec	0				
T6TS-Gas	0.0005	0.0012	4.89		
T7 CAIRP Class 8-Dsl	0.0047	0.0661		44.0	
T7 CAIRP Class 8-Elec	0				
T7 NNOOS Class 8-Dsl	0.0054	0.0791		51.1	
T7 NOOS Class 8-Dsl	0.0020	0.0287		19.0	
T7 Other Port Class 8-Dsl	0.0001	0.0012		0.8295	
T7 Other Port Class 8-Elec	0				
T7 POAK Class 8-Dsl	0.0002	0.0029		2.01	
T7 POAK Class 8-Elec	0				
T7 POLA Class 8-Dsl	0.0003	0.0041		2.94	
T7 POLA Class 8-Elec	0				
T7 POLA Class 8-NG	0	0.0000			0.0013
T7 Public Class 8-Dsl	0.0003	0.0022		2.71	
T7 Public Class 8-Elec	0				
T7 Public Class 8-NG	0	0.0014			0.2640
T7 SWCV Class 8-Dsl	0.0004	0.0013		3.63	
T7 SWCV Class 8-Elec	0				
T7 SWCV Class 8-NG	0	0.0035			1.19
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0001	0.0018		1.23	
T7 Single Concrete/Transit Mix Class 8-Elec	0				
T7 Single Concrete/Transit Mix Class 8-NG	0	0.0002			0.0328
T7 Single Dump Class 8-Dsl	0.0005	0.0064		4.58	
T7 Single Dump Class 8-Elec	0				
T7 Single Dump Class 8-NG	0	0.0011			0.1712
T7 Single Other Class 8-Dsl	0.0009	0.0122		8.50	
T7 Single Other Class 8-Elec	0				
T7 Single Other Class 8-NG	0	0.0020			0.3081
T7 Tractor Class 8-Dsl	0.0033	0.0458		30.7	
T7 Tractor Class 8-Elec	0				
T7 Tractor Class 8-NG	0	0.0039			0.6175
T7 Utility Class 8-Dsl	0.0000	0.0002		0.1612	
T7 Utility Class 8-Elec	0				
T7IS-Elec	0				
T7IS-Gas	0.0000	0.0000	0.0128		
UBUS-Dsl	0.0000	0.0010		0.4522	
UBUS-Elec	0				
UBUS-Gas	0.0001	0.0002	0.6983		
UBUS-NG	0	0.0042			0.5045

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX	TOG_DIURN
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Other Buses-Dsl	All Other Buses - Dsl	58.4	2,968.0	2,968.0	0	519.4	0.0007	0.0000		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Dsl	LDA - Dsl	533.5	17,113.7	17,113.7	0	2,271.0	0.0005			0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Dsl	LDT1 - Dsl	4.35	47.1	47.1	0	12.31	0.0000			0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Dsl	LDT2 - Dsl	262.6	11,649.7	11,649.7	0	1,257.9	0.0002			0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Dsl	LHD1 - Dsl	7,258.4	251,065.7	251,065.7	0	91,301.8	0.0661	0.0010		0.0671	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Dsl	LHD2 - Dsl	2,662.6	96,311.9	96,311.9	0	33,492.7	0.0214	0.0004		0.0218	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Dsl	MDV - Dsl	1,197.0	44,638.2	44,638.2	0	5,517.0	0.0007			0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MH-Dsl	MH - Dsl	542.7	4,685.5	4,685.5	0	54.3	0.0008			0.0008	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	Motor Coach-Dsl	Motor Coach - Dsl	16.2	2,160.5	2,160.5	0	371.4	0.0000	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	PTO-Dsl	PTO-Dsl		17,275.0	17,275.0	0		0.0004			0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Dsl	SBUS - Dsl	421.3	9,322.2	9,322.2	0	6,099.8	0.0009	0.0001		0.0009	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	9.09	599.5	599.5	0	208.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	12.0	823.8	823.8	0	276.5	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	40.6	2,138.0	2,138.0	0	933.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	67.1	13,551.7	13,551.7	0	1,542.3	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	216.9	7,282.7	7,282.7	0	3,095.0	0.0004	0.0001		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	139.6	4,740.2	4,740.2	0	1,992.3	0.0003	0.0000		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	608.4	20,562.9	20,562.9	0	8,682.6	0.0011	0.0002		0.0013	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	109.4	5,953.7	5,953.7	0	1,560.6	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	393.0	16,187.0	16,187.0	0	4,543.0	0.0010	0.0002		0.0012	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	1,060.2	45,757.1	45,757.1	0	12,256.3	0.0006	0.0003		0.0009	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	807.3	33,966.4	33,966.4	0	9,332.2	0.0016	0.0003		0.0019	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	516.6	22,620.5	22,620.5	0	5,971.9	0.0004	0.0002		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	9.53	447.9	447.9	0	110.2	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	638.3	38,011.5	38,011.5	0	7,378.3	0.0005	0.0002		0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl	5.32	348.4	348.4	0	122.2	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl	7.01	478.0	478.0	0	161.1	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl	23.8	1,249.0	1,249.0	0	548.0	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	36.1	9,081.6	9,081.6	0	830.3	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl	26.6	902.8	902.8	0	136.5	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl	66.5	2,393.7	2,393.7	0	341.2	0.0001	0.0000		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl	106.9	3,820.6	3,820.6	0	548.6	0.0003	0.0000		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl	127.3	5,793.3	5,793.3	0	653.2	0.0005	0.0001		0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl	29.0	1,178.2	1,178.2	0	371.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl	5.50	222.3	222.3	0	70.4	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl	6.22	308.8	308.8	0	79.6	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1,339.9	272,762.9	272,762.9	0	30,789.8	0.0043	0.0175		0.0218	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1,202.9	326,324.4	326,324.4	0	27,642.5	0.0050	0.0195		0.0245	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	509.4	118,547.9	118,547.9	0	11,706.8	0.0019	0.0083		0.0102	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	26.7	4,960.6	4,960.6	0	437.1	0.0001	0.0001		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl	118.1	11,754.7	11,754.7	0	1,931.8	0.0002	0.0005		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl	135.3	17,055.4	17,055.4	0	2,213.7	0.0003	0.0006		0.0009	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl	332.0	14,276.3	14,276.3	0	1,703.3	0.0021	0.0005		0.0026	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	144.0	9,333.1	9,333.1	0	662.3	0.0003	0.0002		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	104.1	7,332.1	7,332.1	0	980.2	0.0001	0.0002		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl	445.4	26,511.4	26,511.4	0	4,195.7	0.0005	0.0010		0.0015	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl	999.4	50,326.3	50,326.3	0	9,414.7	0.0008	0.0024		0.0032	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	2,532.2	188,689.7	188,689.7	0	36,792.7	0.0034	0.0110		0.0143	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl	21.1	942.2	942.2	0	270.0	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Dsl	UBUS - Dsl	63.0	4,276.5	4,276.5	0	252.1	0.0003			0.0003	
								TOTALs	**25,998.9**	**1,748,750.5**	**1,748,750.5**	**0.0**	**331,637.0**	**0.1**	**0.1**	**0.0**	**0.2**	**0.0**

Veh_Tech	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	NOx_TOTEX
All Other Buses-Dsl			0.0007	0.0006	0.0000		0.0006				0.0006	0.0016	0.0001		0.0018	0.0081	0.0003	0.0007	0.0091
LDA-Dsl			0.0005	0.0004			0.0004				0.0004	0.0056			0.0056	0.0038			0.0038
LDT1-Dsl			0.0000	0.0000			0.0000				0.0000	0.0001			0.0001	0.0001			0.0001
LDT2-Dsl			0.0002	0.0002			0.0002				0.0002	0.0015			0.0015	0.0005			0.0005
LHD1-Dsl			0.0671	0.0581	0.0009		0.0589				0.0591	0.1681	0.0073		0.1754	0.5642	0.0173		0.5818
LHD2-Dsl			0.0218	0.0188	0.0003		0.0191				0.0192	0.0512	0.0027		0.0538	0.1587	0.0060		0.1649
MDV-Dsl			0.0007	0.0006			0.0006				0.0006	0.0106			0.0106	0.0040			0.0040
MH-Dsl			0.0008	0.0007			0.0007				0.0007	0.0025			0.0025	0.0250			0.0250
Motor Coach-Dsl			0.0001	0.0000	0.0001		0.0001				0.0001	0.0002	0.0010		0.0012	0.0040	0.0008	0.0008	0.0057
PTO-Dsl			0.0004	0.0004			0.0004				0.0004	0.0044			0.0044	0.0544			0.0552
SBUS-Dsl			0.0009	0.0007	0.0001		0.0008				0.0008	0.0022	0.0020		0.0042	0.0446	0.0106	0.0033	0.0586
T6 CAIRP Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0003	0.0000	0.0001	0.0004
T6 CAIRP Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0001	0.0003	0.0000	0.0002	0.0006
T6 CAIRP Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0008	0.0001	0.0006	0.0016
T6 CAIRP Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0005	0.0002		0.0006	0.0057	0.0002	0.0010	0.0070
T6 Instate Delivery Class 4-Dsl			0.0005	0.0004	0.0001		0.0004				0.0004	0.0013	0.0017		0.0031	0.0099	0.0026	0.0052	0.0178
T6 Instate Delivery Class 5-Dsl			0.0003	0.0003	0.0000		0.0003				0.0003	0.0009	0.0011		0.0020	0.0061	0.0017	0.0033	0.0112
T6 Instate Delivery Class 6-Dsl			0.0013	0.0010	0.0002		0.0011				0.0011	0.0037	0.0049		0.0085	0.0262	0.0071	0.0146	0.0486
T6 Instate Delivery Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0006	0.0009		0.0014	0.0068	0.0012	0.0027	0.0107
T6 Instate Other Class 4-Dsl			0.0012	0.0009	0.0001		0.0011				0.0011	0.0030	0.0035		0.0066	0.0227	0.0056	0.0083	0.0370
T6 Instate Other Class 5-Dsl			0.0009	0.0005	0.0002		0.0007				0.0008	0.0031	0.0089		0.0119	0.0308	0.0122	0.0246	0.0686
T6 Instate Other Class 6-Dsl			0.0019	0.0014	0.0003		0.0017				0.0017	0.0050	0.0071		0.0122	0.0395	0.0108	0.0176	0.0689
T6 Instate Other Class 7-Dsl			0.0005	0.0003	0.0001		0.0005				0.0005	0.0020	0.0044		0.0064	0.0260	0.0062	0.0121	0.0447
T6 Instate Tractor Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0006	0.0001	0.0002	0.0010
T6 Instate Tractor Class 7-Dsl			0.0006	0.0004	0.0001		0.0006				0.0006	0.0028	0.0053		0.0081	0.0337	0.0076	0.0147	0.0563
T6 OOS Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001	0.0003
T6 OOS Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001	0.0003
T6 OOS Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0001	0.0005	0.0001	0.0004	0.0010
T6 OOS Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0003	0.0001		0.0004	0.0040	0.0001	0.0005	0.0047
T6 Public Class 4-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0002	0.0002		0.0003	0.0052	0.0013	0.0001	0.0067
T6 Public Class 5-Dsl			0.0002	0.0001	0.0000		0.0001				0.0001	0.0003	0.0006		0.0009	0.0064	0.0023	0.0005	0.0092
T6 Public Class 6-Dsl			0.0003	0.0003	0.0000		0.0003				0.0003	0.0007	0.0009		0.0016	0.0168	0.0037	0.0007	0.0213
T6 Public Class 7-Dsl			0.0006	0.0004	0.0001		0.0005				0.0005	0.0010	0.0011		0.0021	0.0268	0.0042	0.0008	0.0320
T6 Utility Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0002		0.0002	0.0006	0.0002	0.0006	0.0014
T6 Utility Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001	0.0003
T6 Utility Class 7-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0001	0.0001	0.0001	0.0001	0.0003
T7 CAIRP Class 8-Dsl			0.0218	0.0038	0.0154		0.0192				0.0194	0.0161	0.2274		0.2436	0.4501	0.1705	0.0754	0.7213
T7 NNOOS Class 8-Dsl			0.0245	0.0044	0.0172		0.0216				0.0216	0.0175	0.2535		0.2710	0.5280	0.2031	0.0706	0.8017
T7 NOOS Class 8-Dsl			0.0102	0.0017	0.0073		0.0089				0.0089	0.0071	0.1073		0.1144	0.2009	0.0860	0.0295	0.3164
T7 Other Port Class 8-Dsl			0.0002	0.0001	0.0001		0.0002				0.0002	0.0005	0.0015		0.0020	0.0089	0.0012	0.0011	0.0113
T7 POAK Class 8-Dsl			0.0007	0.0002	0.0004		0.0006				0.0006	0.0013	0.0066		0.0079	0.0221	0.0051	0.0050	0.0326
T7 POLA Class 8-Dsl			0.0009	0.0002	0.0005		0.0007				0.0007	0.0022	0.0075		0.0097	0.0343	0.0060	0.0056	0.0461
T7 Public Class 8-Dsl			0.0026	0.0018	0.0004		0.0023				0.0023	0.0062	0.0039		0.0101	0.1270	0.0119	0.0066	0.1463
T7 SWCV Class 8-Dsl			0.0005	0.0003	0.0002		0.0005				0.0005	0.0007	0.0020		0.0026	0.0706	0.0056	0.0024	0.0787
T7 Single Concrete/Transit Mix Class 8-Dsl			0.0003	0.0001	0.0002		0.0003				0.0003	0.0004	0.0032		0.0036	0.0081	0.0024	0.0038	0.0149
T7 Single Dump Class 8-Dsl			0.0015	0.0004	0.0009		0.0013				0.0013	0.0025	0.0133		0.0158	0.0428	0.0107	0.0145	0.0690
T7 Single Other Class 8-Dsl			0.0032	0.0007	0.0021		0.0028				0.0028	0.0038	0.0299		0.0336	0.0657	0.0237	0.0342	0.1261
T7 Tractor Class 8-Dsl			0.0143	0.0030	0.0096		0.0126				0.0127	0.0163	0.1413		0.1576	0.3263	0.1117	0.1601	0.6068
T7 Utility Class 8-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0002		0.0004	0.0013	0.0002	0.0015	0.0030
UBUS-Dsl			0.0003	0.0003			0.0003				0.0003	0.0003			0.0003	0.0015			0.0015
	0.0	**0.0**	**0.2**	**0.1**	**0.1**	**0.0**	**0.2**	**0.0**	**0.0**	**0.0**	**0.2**	**0.3**	**0.9**	**0.0**	**1.2**	**3.0**	**0.7**	**0.5**	**4.3**

Veh_Tech	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX	SOx_STREX
All Other Buses-Dsl	0.0002	0.0000		0.0002	0.0000	0.0002	0.0004	0.0002	0.0000		0.0002	0.0000	0.0001	0.0003	0.0000	0.0000	
LDA-Dsl	0.0002			0.0002	0.0002	0.0001	0.0005	0.0002			0.0002	0.0000	0.0000	0.0003	0.0000		
LDT1-Dsl	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000		
LDT2-Dsl	0.0001			0.0001	0.0001	0.0001	0.0003	0.0001			0.0001	0.0000	0.0000	0.0001	0.0000		
LHD1-Dsl	0.0132	0.0002		0.0134	0.0033	0.0216	0.0386	0.0126	0.0002		0.0128	0.0008	0.0076	0.0213	0.0017	0.0000	
LHD2-Dsl	0.0042	0.0001		0.0042	0.0013	0.0097	0.0153	0.0040	0.0001		0.0041	0.0003	0.0034	0.0078	0.0008	0.0000	
MDV-Dsl	0.0003			0.0003	0.0004	0.0004	0.0011	0.0003			0.0003	0.0001	0.0001	0.0006	0.0002		
MH-Dsl	0.0007			0.0007	0.0001	0.0002	0.0010	0.0006			0.0006	0.0000	0.0001	0.0007	0.0001		
Motor Coach-Dsl	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000		0.0001	0.0000	0.0001	0.0001	0.0000	0.0000	
PTO-Dsl	0.0001			0.0001			0.0001	0.0001			0.0001			0.0001	0.0004		
SBUS-Dsl	0.0002	0.0000		0.0003	0.0001	0.0005	0.0008	0.0002	0.0000		0.0002	0.0000	0.0002	0.0004	0.0001	0.0000	
T6 CAIRP Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 CAIRP Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 CAIRP Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	
T6 CAIRP Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0006	0.0009	0.0001	0.0000		0.0001	0.0000	0.0002	0.0004	0.0001	0.0000	
T6 Instate Delivery Class 4-Dsl	0.0001	0.0000		0.0001	0.0001	0.0004	0.0006	0.0001	0.0000		0.0001	0.0000	0.0001	0.0003	0.0001	0.0000	
T6 Instate Delivery Class 5-Dsl	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000		0.0001	0.0000	0.0001	0.0002	0.0001	0.0000	
T6 Instate Delivery Class 6-Dsl	0.0004	0.0000		0.0005	0.0003	0.0011	0.0018	0.0004	0.0000		0.0004	0.0001	0.0004	0.0009	0.0002	0.0000	
T6 Instate Delivery Class 7-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0001	0.0000	
T6 Instate Other Class 4-Dsl	0.0005	0.0000		0.0005	0.0002	0.0008	0.0015	0.0004	0.0000		0.0005	0.0001	0.0003	0.0008	0.0002	0.0000	
T6 Instate Other Class 5-Dsl	0.0003	0.0000		0.0003	0.0006	0.0023	0.0032	0.0003	0.0000		0.0003	0.0002	0.0008	0.0012	0.0005	0.0000	
T6 Instate Other Class 6-Dsl	0.0007	0.0000		0.0008	0.0004	0.0017	0.0029	0.0007	0.0000		0.0007	0.0001	0.0006	0.0015	0.0004	0.0000	
T6 Instate Other Class 7-Dsl	0.0002	0.0000		0.0002	0.0003	0.0011	0.0016	0.0002	0.0000		0.0002	0.0001	0.0004	0.0007	0.0003	0.0000	
T6 Instate Tractor Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Instate Tractor Class 7-Dsl	0.0002	0.0000		0.0002	0.0005	0.0019	0.0026	0.0002	0.0000		0.0002	0.0001	0.0007	0.0010	0.0004	0.0000	
T6 OOS Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 7-Dsl	0.0001	0.0000		0.0001	0.0001	0.0004	0.0006	0.0001	0.0000		0.0001	0.0000	0.0001	0.0002	0.0001	0.0000	
T6 Public Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Public Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	
T6 Public Class 6-Dsl	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000		0.0001	0.0000	0.0001	0.0002	0.0000	0.0000	
T6 Public Class 7-Dsl	0.0002	0.0000		0.0002	0.0001	0.0003	0.0006	0.0002	0.0000		0.0002	0.0000	0.0001	0.0003	0.0001	0.0000	
T6 Utility Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 7-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
T7 CAIRP Class 8-Dsl	0.0096	0.0001		0.0097	0.0108	0.0223	0.0433	0.0092	0.0001		0.0092	0.0027	0.0078	0.0200	0.0043	0.0003	
T7 NNOOS Class 8-Dsl	0.0110	0.0001		0.0111	0.0129	0.0267	0.0507	0.0105	0.0001		0.0106	0.0032	0.0094	0.0232	0.0051	0.0004	
T7 NOOS Class 8-Dsl	0.0043	0.0000		0.0043	0.0047	0.0097	0.0187	0.0041	0.0000		0.0041	0.0012	0.0034	0.0087	0.0019	0.0002	
T7 Other Port Class 8-Dsl	0.0001	0.0000		0.0001	0.0002	0.0005	0.0008	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000	
T7 POAK Class 8-Dsl	0.0003	0.0000		0.0003	0.0005	0.0011	0.0018	0.0002	0.0000		0.0003	0.0001	0.0004	0.0008	0.0002	0.0000	
T7 POLA Class 8-Dsl	0.0004	0.0000		0.0004	0.0007	0.0016	0.0027	0.0004	0.0000		0.0004	0.0002	0.0006	0.0011	0.0003	0.0000	
T7 Public Class 8-Dsl	0.0008	0.0000		0.0009	0.0006	0.0018	0.0032	0.0008	0.0000		0.0008	0.0001	0.0006	0.0016	0.0003	0.0000	
T7 SWCV Class 8-Dsl	0.0002	0.0000		0.0002	0.0004	0.0022	0.0027	0.0002	0.0000		0.0002	0.0001	0.0008	0.0010	0.0004	0.0000	
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0001	0.0000		0.0001	0.0003	0.0007	0.0011	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000	
T7 Single Dump Class 8-Dsl	0.0005	0.0000		0.0005	0.0011	0.0024	0.0040	0.0005	0.0000		0.0005	0.0003	0.0008	0.0016	0.0005	0.0000	
T7 Single Other Class 8-Dsl	0.0009	0.0000		0.0009	0.0020	0.0045	0.0074	0.0008	0.0000		0.0009	0.0005	0.0016	0.0029	0.0009	0.0000	
T7 Tractor Class 8-Dsl	0.0048	0.0000		0.0048	0.0075	0.0163	0.0288	0.0046	0.0000		0.0046	0.0019	0.0057	0.0123	0.0030	0.0002	
T7 Utility Class 8-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000	
UBUS-Dsl	0.0000			0.0000	0.0001	0.0005	0.0007	0.0000			0.0000	0.0000	0.0002	0.0002	0.0000		
	0.1	**0.0**	**0.0**	**0.1**	**0.1**	**0.1**	**0.2**	**0.1**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**

Veh_Tech	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
All Other Buses-Dsl	0.0000	0.0006		0.3397	
LDA-Dsl	0.0000	0.0001		0.3877	
LDT1-Dsl	0.0000	0.0000		0.0019	
LDT2-Dsl	0.0000	0.0000		0.3389	
LHD1-Dsl	0.0017	0.0433		15.8	
LHD2-Dsl	0.0008	0.0186		7.30	
MDV-Dsl	0.0002	0.0002		1.80	
MH-Dsl	0.0001	0.0007		0.4986	
Motor Coach-Dsl	0.0000	0.0005		0.3892	
PTO-Dsl	0.0004	0.0042		3.42	
SBUS-Dsl	0.0001	0.0014		1.13	
T6 CAIRP Class 4-Dsl	0.0000	0.0001		0.0666	
T6 CAIRP Class 5-Dsl	0.0000	0.0002		0.0916	
T6 CAIRP Class 6-Dsl	0.0000	0.0005		0.2341	
T6 CAIRP Class 7-Dsl	0.0001	0.0033		1.38	
T6 Instate Delivery Class 4-Dsl	0.0001	0.0017		0.8756	
T6 Instate Delivery Class 5-Dsl	0.0001	0.0011		0.5725	
T6 Instate Delivery Class 6-Dsl	0.0003	0.0048		2.47	
T6 Instate Delivery Class 7-Dsl	0.0001	0.0014		0.7097	
T6 Instate Other Class 4-Dsl	0.0002	0.0037		1.89	
T6 Instate Other Class 5-Dsl	0.0006	0.0111		5.33	
T6 Instate Other Class 6-Dsl	0.0004	0.0080		3.94	
T6 Instate Other Class 7-Dsl	0.0003	0.0055		2.58	
T6 Instate Tractor Class 6-Dsl	0.0000	0.0001		0.0523	
T6 Instate Tractor Class 7-Dsl	0.0004	0.0092		4.19	
T6 OOS Class 4-Dsl	0.0000	0.0001		0.0383	
T6 OOS Class 5-Dsl	0.0000	0.0001		0.0526	
T6 OOS Class 6-Dsl	0.0000	0.0003		0.1347	
T6 OOS Class 7-Dsl	0.0001	0.0022		0.9167	
T6 Public Class 4-Dsl	0.0000	0.0001		0.1178	
T6 Public Class 5-Dsl	0.0000	0.0004		0.3074	
T6 Public Class 6-Dsl	0.0001	0.0007		0.4867	
T6 Public Class 7-Dsl	0.0001	0.0010		0.7361	
T6 Utility Class 5-Dsl	0.0000	0.0003		0.1324	
T6 Utility Class 6-Dsl	0.0000	0.0001		0.0249	
T6 Utility Class 7-Dsl	0.0000	0.0001		0.0343	
T7 CAIRP Class 8-Dsl	0.0047	0.0661		44.0	
T7 NNOOS Class 8-Dsl	0.0054	0.0791		51.1	
T7 NOOS Class 8-Dsl	0.0020	0.0287		19.0	
T7 Other Port Class 8-Dsl	0.0001	0.0012		0.8295	
T7 POAK Class 8-Dsl	0.0002	0.0029		2.01	
T7 POLA Class 8-Dsl	0.0003	0.0041		2.94	
T7 Public Class 8-Dsl	0.0003	0.0022		2.71	
T7 SWCV Class 8-Dsl	0.0004	0.0013		3.63	
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0001	0.0018		1.23	
T7 Single Dump Class 8-Dsl	0.0005	0.0064		4.58	
T7 Single Other Class 8-Dsl	0.0009	0.0122		8.50	
T7 Tractor Class 8-Dsl	0.0033	0.0458		30.7	
T7 Utility Class 8-Dsl	0.0000	0.0002		0.1612	
UBUS-Dsl	0.0000	0.0010		0.4522	
	0.0	**0.4**	**0.0**	**230.6**	

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Vehicles	All Vehicles	544,874.9	21,418,525.3	18,892,559.0	2,525,966.3	2,842,900.2	0.1975	0.1010	0.3740
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-Dsl	All Other Buses - Dsl	71.0	3,151.8	3,151.8	0	631.7	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-NG	All Other Buses - Oth	5.88	247.5	247.5	0	52.3	0.0002	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Dsl	LDA - Dsl	139.9	5,087.5	5,087.5	0	628.3	0.0000		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Elec	LDA - Oth	31,227.0	1,157,870.9	0	1,157,870.9	145,335.8			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Gas	LDA - Gas	225,848.0	8,825,144.4	8,825,144.4	0	1,042,585.5	0.0393		0.1486
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Phe	LDA - Gas	10,648.4	416,289.8	169,584.6	246,705.2	44,031.1	0.0008		0.0091
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Dsl	LDT1 - Dsl	0.1692	6.27	6.27	0	0.7753	0.0000		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Elec	LDT1 - Oth	450.1	16,520.9	0	16,520.9	2,088.1			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Gas	LDT1 - Gas	14,547.2	521,356.5	521,356.5	0	65,635.7	0.0025		0.0099
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Phe	LDT1 - Gas	343.9	13,081.8	5,322.7	7,759.1	1,421.8	0.0000		0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Dsl	LDT2 - Dsl	471.9	17,713.8	17,713.8	0	2,169.8	0.0003		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Elec	LDT2 - Oth	5,013.7	128,363.8	0	128,363.8	23,322.9			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Gas	LDT2 - Gas	124,033.6	4,628,353.1	4,628,353.1	0	568,556.0	0.0285		0.1087
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Phe	LDT2 - Gas	3,416.8	128,885.7	52,494.2	76,391.4	14,128.3	0.0002		0.0029
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Dsl	LHD1 - Dsl	2,718.7	87,906.8	87,906.8	0	34,198.4	0.0096	0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Elec	LHD1 - Oth	5,418.7	217,569.9	0	217,569.9	76,242.7			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Gas	LHD1 - Gas	4,257.2	144,832.5	144,832.5	0	63,426.2	0.0009	0.0019	0.0062
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Dsl	LHD2 - Dsl	1,388.9	42,199.6	42,199.6	0	17,470.4	0.0059	0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Elec	LHD2 - Oth	1,260.2	49,477.0	0	49,477.0	16,673.9			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Gas	LHD2 - Gas	450.0	15,015.6	15,015.6	0	6,704.0	0.0000	0.0002	0.0006
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MCY-Gas	MCY - Gas	9,254.4	48,971.0	48,971.0	0	18,508.7	0.0499		0.0190
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Dsl	MDV - Dsl	812.5	27,719.6	27,719.6	0	3,655.9	0.0001		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Elec	MDV - Oth	4,632.9	117,339.5	0	117,339.5	21,468.3			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Gas	MDV - Gas	72,907.1	2,545,401.8	2,545,401.8	0	331,311.8	0.0187		0.0656
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Phe	MDV - Gas	2,186.6	77,719.9	31,661.0	46,058.9	9,041.5	0.0002		0.0019
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Dsl	MH - Dsl	345.8	3,134.7	3,134.7	0	34.6	0.0003		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Gas	MH - Gas	531.7	5,533.6	5,533.6	0	53.2	0.0001		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	Motor Coach-Dsl	Motor Coach - Dsl	17.5	2,206.1	2,206.1	0	401.7	0.0000	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Elec	OBUS - Oth	41.7	2,743.3	0	2,743.3	834.2			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Gas	OBUS - Gas	53.0	2,034.5	2,034.5	0	1,060.8	0.0000	0.0001	0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Dsl	PTO-Dsl		11,595.3	11,595.3	0		0.0002		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Elec	PTO-Oth		12,822.7	0	12,822.7				
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Dsl	SBUS - Dsl	168.4	3,578.6	3,578.6	0	2,437.8	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Elec	SBUS - Oth	29.5	6,927.8	0	6,927.8	3,360.8			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Gas	SBUS - Gas	48.5	2,559.5	2,559.5	0	194.1	0.0000	0.0008	0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-NG	SBUS-Oth	54.7	1,140.6	1,140.6	0	791.7	0.0029	0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	5.10	370.6	370.6	0	117.3	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth	7.47	563.2	0	563.2	171.5			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	6.26	508.8	508.8	0	143.9	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth	9.15	772.2	0	772.2	210.2			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	28.6	1,327.1	1,327.1	0	656.1	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth	41.9	2,020.0	0	2,020.0	962.7			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	78.3	15,847.9	15,847.9	0	1,800.3	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth	24.6	5,147.2	0	5,147.2	566.0			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	148.9	4,954.8	4,954.8	0	2,125.5	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth	181.6	6,328.7	0	6,328.7	2,592.1			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	96.9	3,223.3	3,223.3	0	1,382.5	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth	118.1	4,116.0	0	4,116.0	1,684.8			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	420.6	13,990.5	13,990.5	0	6,001.5	0.0001	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth	512.5	17,860.6	0	17,860.6	7,313.5			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	105.2	5,352.2	5,352.2	0	1,500.8	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth	76.2	4,043.7	0	4,043.7	1,087.1			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG	3.45	171.7	171.7	0	49.2	0.0002	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	273.8	10,773.8	10,773.8	0	3,164.6	0.0001	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth	333.0	14,303.3	0	14,303.3	3,849.0			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	772.1	30,403.6	30,403.6	0	8,925.4	0.0002	0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth	939.5	40,397.5	0	40,397.5	10,860.3			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	574.5	22,603.6	22,603.6	0	6,640.8	0.0002	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth	697.9	29,983.0	0	29,983.0	8,067.5			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	463.9	18,795.1	18,795.1	0	5,362.2	0.0002	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth	324.3	16,584.5	0	16,584.5	3,749.2			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG	11.6	464.9	464.9	0	133.8	0.0004	0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	6.45	296.0	296.0	0	74.6	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth	7.84	400.2	0	400.2	90.6			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	802.3	46,745.3	46,745.3	0	9,274.5	0.0004	0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth	180.5	12,149.0	0	12,149.0	2,086.6			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG	20.8	1,194.3	1,194.3	0	240.7	0.0009	0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl	7.32	534.6	534.6	0	168.1	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl	8.99	733.4	733.4	0	206.5	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl	40.9	1,916.4	1,916.4	0	939.3	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	50.2	13,934.7	13,934.7	0	1,153.8	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl	13.0	452.0	452.0	0	66.7	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Elec	T6 Public-Oth	14.4	556.0	0	556.0	74.0			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-NG	T6 Public-NG	1.79	62.5	62.5	0	9.18	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl	36.7	1,272.2	1,272.2	0	188.5	0.0000	0.0000	

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Elec	T6 Public-Oth	40.2	1,544.7	0	1,544.7	206.1			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-NG	T6 Public-NG	5.29	182.5	182.5	0	27.1	0.0002	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl	56.6	1,956.3	1,956.3	0	290.3	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Elec	T6 Public-Oth	61.5	2,354.6	0	2,354.6	315.4			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-NG	T6 Public-NG	7.72	268.3	268.3	0	39.6	0.0003	0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl	81.0	3,425.4	3,425.4	0	415.7	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Elec	T6 Public-Oth	68.8	3,227.2	0	3,227.2	352.9			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-NG	T6 Public-NG	11.5	485.1	485.1	0	58.9	0.0005	0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl	12.9	519.6	519.6	0	165.7	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth	19.6	802.7	0	802.7	251.2			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-NG	T6 Utility-NG	0.0292	1.17	1.17	0	0.3741	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl	2.45	98.2	98.2	0	31.3	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth	3.71	151.7	0	151.7	47.5			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-NG	T6 Utility-NG	0.0055	0.2217	0.2217	0	0.0707	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl	2.72	135.2	135.2	0	34.8	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth	4.12	212.5	0	212.5	52.8			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-NG	T6 Utility-NG	0.0061	0.3052	0.3052	0	0.0785	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Elec	T6TS - Gas	241.0	15,464.3	0	15,464.3	4,821.9			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Gas	T6TS - Gas	225.1	11,509.0	11,509.0	0	4,503.4	0.0002	0.0004	0.0010
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1,707.3	355,293.0	355,293.0	0	39,234.3	0.0051	0.0224	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth	477.4	102,817.8	0	102,817.8	10,969.7			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1,892.2	541,628.2	541,628.2	0	43,482.9	0.0075	0.0308	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	815.2	196,763.9	196,763.9	0	18,732.6	0.0028	0.0132	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	22.3	5,306.4	5,306.4	0	364.5	0.0001	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth	5.14	1,338.3	0	1,338.3	84.2			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl	119.8	13,846.3	13,846.3	0	1,960.7	0.0002	0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth	28.0	3,195.9	0	3,195.9	457.6			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl	102.6	18,826.3	18,826.3	0	1,678.1	0.0003	0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth	19.7	3,585.3	0	3,585.3	322.8			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-NG	T7 POLA-NG	0.4935	90.6	90.6	0	8.07	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl	204.8	8,312.5	8,312.5	0	1,050.7	0.0002	0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Elec	T7 Public-Oth	171.6	7,864.5	0	7,864.5	880.2			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-NG	T7 Public-NG	26.4	1,072.7	1,072.7	0	135.4	0.0021	0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	29.7	1,928.2	1,928.2	0	136.7	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth	116.5	7,540.9	0	7,540.9	535.9			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG	107.6	6,970.3	6,970.3	0	494.8	0.0029	0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	46.1	3,094.1	3,094.1	0	434.7	0.0000	0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth	63.3	4,457.8	0	4,457.8	596.5			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG	1.68	112.8	112.8	0	15.8	0.0001	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl	267.7	13,308.3	13,308.3	0	2,521.8	0.0002	0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth	229.1	13,874.7	0	13,874.7	2,158.3			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-NG	T7 Single-NG	9.62	480.6	480.6	0	90.6	0.0006	0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl	1,112.5	39,951.1	39,951.1	0	10,479.4	0.0005	0.0026	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth	1,096.0	46,245.1	0	46,245.1	10,324.7			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-NG	T7 Single-NG	40.2	1,449.4	1,449.4	0	379.0	0.0017	0.0012	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	4,003.6	260,956.2	260,956.2	0	58,172.9	0.0033	0.0174	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth	784.6	55,529.8	0	55,529.8	11,400.6			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG	62.7	4,081.1	4,081.1	0	910.5	0.0047	0.0034	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl	13.2	546.2	546.2	0	168.7	0.0000	0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth	10.8	498.9	0	498.9	137.9			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Elec	T7IS - Gas	0.3258	49.5	0	49.5	6.52			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Gas	T7IS - Gas	0.3175	40.1	40.1	0	6.35	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Dsl	UBUS - Dsl	0.2045	7.38	7.38	0	0.8182	0.0000		
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Elec	UBUS - Oth	199.4	13,434.7	0	13,434.7	797.6			
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Gas	UBUS - Gas	0.0000	0.0024	0.0024	0	0.0001	0		0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-NG	UBUS - NG	0.8240	29.7	29.7	0	3.30	0.0000		

Veh_Tech	TOG_TOTEX	TOG_DIURN	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX
All Vehicles	0.6724	0.5930	0.1673	0.4947	1.93	0.1365	0.0815	0.3416	0.5596	0.5930	0.1673	0.4947	1.86	10.9	1.24	4.58	16.7	2.60
All Other Buses-Dsl	0.0001				0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0002		0.0006	0.0031
All Other Buses-NG	0.0003				0.0003	0.0000	0.0000		0.0000				0.0000	0.0009	0.0001		0.0010	0.0000
LDA-Dsl	0.0000				0.0000	0.0000			0.0000				0.0000	0.0007			0.0007	0.0001
LDA-Elec	0				0				0				0				0	
LDA-Gas	0.1879	0.2492	0.0438	0.1871	0.6680	0.0269		0.1357	0.1626	0.2492	0.0438	0.1871	0.6428	4.81		1.85	6.67	0.1904
LDA-Phe	0.0098	0.0114	0.0020	0.0044	0.0276	0.0005		0.0083	0.0088	0.0114	0.0020	0.0044	0.0266	0.0839		0.0636	0.1475	0.0012
LDT1-Dsl	0.0000				0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000
LDT1-Elec	0				0				0				0				0	
LDT1-Gas	0.0124	0.0222	0.0035	0.0164	0.0545	0.0017		0.0091	0.0108	0.0222	0.0035	0.0164	0.0529	0.2979		0.1212	0.4191	0.0118
LDT1-Phe	0.0003	0.0004	0.0001	0.0001	0.0009	0.0000		0.0003	0.0003	0.0004	0.0001	0.0001	0.0008	0.0026		0.0021	0.0047	0.0000
LDT2-Dsl	0.0003				0.0003	0.0002			0.0002				0.0002	0.0024			0.0024	0.0005
LDT2-Elec	0				0				0				0				0	
LDT2-Gas	0.1371	0.1522	0.0255	0.1142	0.4291	0.0195		0.0992	0.1188	0.1522	0.0255	0.1142	0.4107	2.95		1.30	4.24	0.1120
LDT2-Phe	0.0031	0.0036	0.0006	0.0013	0.0087	0.0002		0.0027	0.0028	0.0036	0.0006	0.0013	0.0083	0.0260		0.0204	0.0464	0.0004
LHD1-Dsl	0.0100				0.0100	0.0084	0.0003		0.0088				0.0159	0.0211	0.0027		0.0239	0.0241
LHD1-Elec	0				0				0				0				0	
LHD1-Gas	0.0089	0.0103	0.0014	0.0139	0.0346	0.0006	0.0013	0.0057	0.0075	0.0103	0.0014	0.0139	0.0466	0.0953	0.0177	0.2315	0.3445	0.0024
LHD2-Dsl	0.0061				0.0061	0.0052	0.0002		0.0054				0.0092	0.0133	0.0014		0.0147	0.0178
LHD2-Elec	0				0				0				0				0	
LHD2-Gas	0.0008	0.0012	0.0002	0.0016	0.0036	0.0000	0.0001	0.0005	0.0007	0.0012	0.0002	0.0016	0.0048	0.0073	0.0019	0.0248	0.0339	0.0003
MCY-Gas	0.0689	0.0373	0.0728	0.0789	0.2580	0.0399		0.0174	0.0573	0.0373	0.0728	0.0789	0.2464	0.5146		0.1556	0.6702	0.0247
MDV-Dsl	0.0001				0.0001	0.0001			0.0001				0.0001	0.0040			0.0040	0.0003
MDV-Elec	0				0				0				0				0	
MDV-Gas	0.0843	0.1009	0.0166	0.0744	0.2762	0.0128		0.0599	0.0727	0.1009	0.0166	0.0744	0.2646	1.83		0.7732	2.61	0.0658
MDV-Phe	0.0020	0.0024	0.0004	0.0009	0.0058	0.0001		0.0017	0.0018	0.0024	0.0004	0.0009	0.0056	0.0179		0.0131	0.0310	0.0003
MH-Dsl	0.0003				0.0003	0.0003			0.0003				0.0003	0.0008			0.0008	0.0086
MH-Gas	0.0001	0.0011	0.0002	0.0000	0.0014	0.0001		0.0000	0.0001	0.0011	0.0002	0.0000	0.0014	0.0010		0.0001	0.0011	0.0014
Motor Coach-Dsl	0.0001				0.0001	0.0000	0.0001		0.0001				0.0001	0.0001	0.0011		0.0012	0.0022
OBUS-Elec	0				0				0				0				0	
OBUS-Gas	0.0003	0.0002	0.0000	0.0002	0.0007	0.0000	0.0000	0.0002	0.0002	0.0002	0.0000	0.0002	0.0009	0.0004	0.0003	0.0027	0.0034	0.0006
PTO-Dsl	0.0002				0.0002	0.0002			0.0002				0.0003	0.0022			0.0022	0.0310
PTO-Elec	0				0				0				0				0	
SBUS-Dsl	0.0001				0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0013		0.0015	0.0011
SBUS-Elec	0				0				0				0				0	
SBUS-Gas	0.0010	0.0002	0.0000	0.0002	0.0014	0.0000	0.0006	0.0001	0.0007	0.0002	0.0000	0.0002	0.0018	0.0006	0.0044	0.0017	0.0067	0.0004
SBUS-NG	0.0036				0.0036	0.0000	0.0000		0.0001				0.0001	0.0075	0.0022		0.0097	0.0002
T6 CAIRP Class 4-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001
T6 CAIRP Class 4-Elec	0				0				0				0				0	
T6 CAIRP Class 5-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001
T6 CAIRP Class 5-Elec	0				0				0				0				0	
T6 CAIRP Class 6-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0003
T6 CAIRP Class 6-Elec	0				0				0				0				0	
T6 CAIRP Class 7-Dsl	0.0001				0.0001	0.0001	0.0000		0.0001				0.0001	0.0005	0.0002		0.0007	0.0034
T6 CAIRP Class 7-Elec	0				0				0				0				0	
T6 Instate Delivery Class 4-Dsl	0.0001				0.0001	0.0000	0.0000		0.0001				0.0001	0.0003	0.0012		0.0014	0.0019
T6 Instate Delivery Class 4-Elec	0				0				0				0				0	
T6 Instate Delivery Class 5-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0001	0.0002	0.0008		0.0009	0.0012
T6 Instate Delivery Class 5-Elec	0				0				0				0				0	
T6 Instate Delivery Class 6-Dsl	0.0002				0.0002	0.0001	0.0001		0.0002				0.0004	0.0008	0.0033		0.0041	0.0053
T6 Instate Delivery Class 6-Elec	0				0				0				0				0	
T6 Instate Delivery Class 7-Dsl	0.0001				0.0001	0.0000	0.0000		0.0001				0.0001	0.0004	0.0008		0.0012	0.0030
T6 Instate Delivery Class 7-Elec	0				0				0				0				0	
T6 Instate Delivery Class 7-NG	0.0002				0.0002	0.0000	0.0000		0.0000				0.0000	0.0007	0.0001		0.0009	0.0000
T6 Instate Other Class 4-Dsl	0.0001				0.0001	0.0001	0.0001		0.0001				0.0003	0.0005	0.0023		0.0028	0.0031
T6 Instate Other Class 4-Elec	0				0				0				0				0	
T6 Instate Other Class 5-Dsl	0.0004				0.0004	0.0002	0.0002		0.0003				0.0007	0.0014	0.0064		0.0078	0.0086
T6 Instate Other Class 5-Elec	0				0				0				0				0	
T6 Instate Other Class 6-Dsl	0.0003				0.0003	0.0001	0.0001		0.0002				0.0006	0.0010	0.0048		0.0058	0.0065
T6 Instate Other Class 6-Elec	0				0				0				0				0	
T6 Instate Other Class 7-Dsl	0.0003				0.0003	0.0001	0.0001		0.0002				0.0004	0.0010	0.0039		0.0049	0.0084
T6 Instate Other Class 7-Elec	0				0				0				0				0	
T6 Instate Other Class 7-NG	0.0005				0.0005	0.0000	0.0000		0.0000				0.0000	0.0014	0.0005		0.0019	0.0000
T6 Instate Tractor Class 6-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001
T6 Instate Tractor Class 6-Elec	0				0				0				0				0	
T6 Instate Tractor Class 7-Dsl	0.0006				0.0006	0.0003	0.0002		0.0005				0.0006	0.0025	0.0067		0.0091	0.0179
T6 Instate Tractor Class 7-Elec	0				0				0				0				0	
T6 Instate Tractor Class 7-NG	0.0012				0.0012	0.0000	0.0000		0.0000				0.0000	0.0035	0.0009		0.0044	0.0001
T6 OOS Class 4-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001
T6 OOS Class 5-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002
T6 OOS Class 6-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0005
T6 OOS Class 7-Dsl	0.0001				0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0001		0.0006	0.0035
T6 Public Class 4-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0002		0.0002	0.0002
T6 Public Class 4-Elec	0				0				0				0				0	
T6 Public Class 4-NG	0.0001				0.0001	0.0000	0.0000		0.0000				0.0000	0.0002	0.0001		0.0003	0.0000
T6 Public Class 5-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0004		0.0005	0.0006

Veh_Tech	TOG_TOTEX	TOG_DIURN	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX
T6 Public Class 5-Elec	0				0				0				0				0	
T6 Public Class 5-NG	0.0003				0.0003	0.0000	0.0000		0.0000				0.0000	0.0006	0.0003		0.0009	0.0000
T6 Public Class 6-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0001	0.0001	0.0007		0.0008	0.0008
T6 Public Class 6-Elec	0				0				0				0				0	
T6 Public Class 6-NG	0.0004				0.0004	0.0000	0.0000		0.0000				0.0000	0.0009	0.0005		0.0014	0.0000
T6 Public Class 7-Dsl	0.0001				0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0010		0.0011	0.0012
T6 Public Class 7-Elec	0				0				0				0				0	
T6 Public Class 7-NG	0.0007				0.0007	0.0000	0.0000		0.0000				0.0000	0.0016	0.0007		0.0024	0.0000
T6 Utility Class 5-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001
T6 Utility Class 5-Elec	0				0				0				0				0	
T6 Utility Class 5-NG	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000
T6 Utility Class 6-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000
T6 Utility Class 6-Elec	0				0				0				0				0	
T6 Utility Class 6-NG	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000
T6 Utility Class 7-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000
T6 Utility Class 7-Elec	0				0				0				0				0	
T6 Utility Class 7-NG	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000
T6TS-Elec	0				0				0				0				0	
T6TS-Gas	0.0016	0.0005	0.0001	0.0010	0.0031	0.0001	0.0003	0.0009	0.0013	0.0005	0.0001	0.0010	0.0046	0.0022	0.0038	0.0157	0.0217	0.0008
T7 CAIRP Class 8-Dsl	0.0274				0.0274	0.0045	0.0196		0.0241				0.0308	0.0151	0.2902		0.3053	0.4710
T7 CAIRP Class 8-Elec	0				0				0				0				0	
T7 NNOOS Class 8-Dsl	0.0383				0.0383	0.0066	0.0270		0.0336				0.0336	0.0224	0.3991		0.4215	0.7938
T7 NOOS Class 8-Dsl	0.0161				0.0161	0.0025	0.0116		0.0141				0.0141	0.0084	0.1719		0.1803	0.2967
T7 Other Port Class 8-Dsl	0.0002				0.0002	0.0001	0.0001		0.0001				0.0002	0.0004	0.0012		0.0016	0.0073
T7 Other Port Class 8-Elec	0				0				0				0				0	
T7 POAK Class 8-Dsl	0.0007				0.0007	0.0002	0.0005		0.0006				0.0007	0.0010	0.0067		0.0077	0.0196
T7 POAK Class 8-Elec	0				0				0				0				0	
T7 POLA Class 8-Dsl	0.0007				0.0007	0.0002	0.0004		0.0006				0.0007	0.0014	0.0057		0.0071	0.0286
T7 POLA Class 8-Elec	0				0				0				0				0	
T7 POLA Class 8-NG	0.0001				0.0001	0.0000	0.0000		0.0000				0.0000	0.0005	0.0001		0.0006	0.0000
T7 Public Class 8-Dsl	0.0005				0.0005	0.0002	0.0003		0.0005				0.0007	0.0012	0.0039		0.0051	0.0137
T7 Public Class 8-Elec	0				0				0				0				0	
T7 Public Class 8-NG	0.0026				0.0026	0.0000	0.0000		0.0000				0.0001	0.0096	0.0015		0.0111	0.0003
T7 SWCV Class 8-Dsl	0.0001				0.0001	0.0001	0.0000		0.0001				0.0002	0.0001	0.0006		0.0007	0.0028
T7 SWCV Class 8-Elec	0				0				0				0				0	
T7 SWCV Class 8-NG	0.0032				0.0032	0.0001	0.0000		0.0001				0.0001	0.0759	0.0042		0.0801	0.0017
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0001				0.0001	0.0000	0.0001		0.0001				0.0003	0.0001	0.0014		0.0015	0.0027
T7 Single Concrete/Transit Mix Class 8-Elec	0				0				0				0				0	
T7 Single Concrete/Transit Mix Class 8-NG	0.0002				0.0002	0.0000	0.0000		0.0000				0.0000	0.0005	0.0002		0.0007	0.0000
T7 Single Dump Class 8-Dsl	0.0008				0.0008	0.0001	0.0005		0.0007				0.0013	0.0008	0.0081		0.0089	0.0152
T7 Single Dump Class 8-Elec	0				0				0				0				0	
T7 Single Dump Class 8-NG	0.0009				0.0009	0.0000	0.0000		0.0000				0.0000	0.0023	0.0009		0.0032	0.0001
T7 Single Other Class 8-Dsl	0.0031				0.0031	0.0004	0.0023		0.0027				0.0052	0.0021	0.0337		0.0358	0.0420
T7 Single Other Class 8-Elec	0				0				0				0				0	
T7 Single Other Class 8-NG	0.0029				0.0029	0.0000	0.0000		0.0000				0.0001	0.0066	0.0038		0.0103	0.0003
T7 Tractor Class 8-Dsl	0.0207				0.0207	0.0029	0.0153		0.0182				0.0217	0.0136	0.2254		0.2390	0.3358
T7 Tractor Class 8-Elec	0				0				0				0				0	
T7 Tractor Class 8-NG	0.0081				0.0081	0.0001	0.0000		0.0001				0.0001	0.0167	0.0109		0.0276	0.0007
T7 Utility Class 8-Dsl	0.0000				0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0006
T7 Utility Class 8-Elec	0				0				0				0				0	
T7IS-Elec	0				0				0				0				0	
T7IS-Gas	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013		0.0000	0.0014	0.0001
UBUS-Dsl	0.0000				0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000
UBUS-Elec	0				0				0				0				0	
UBUS-Gas	0	0	0	0	0	0		0	0	0	0	0	0	0.0000		0.0000	0.0000	0
UBUS-NG	0.0000				0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000

Veh_Tech	NOx_IDLEX	NOx_STREX	NOx_TOTEX	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW
All Vehicles	0.8135	1.01	5.76	0.0573	0.0005	0.0019	0.0597	0.2442	0.3679	0.7104	0.0544	0.0005	0.0018	0.0567	0.0611	0.1287
All Other Buses-Dsl	0.0001	0.0006	0.0049	0.0000	0.0000		0.0000	0.0000	0.0002	0.0002	0.0000	0.0000		0.0000	0.0000	0.0001
All Other Buses-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
LDA-Dsl			0.0001	0.0000			0.0000	0.0000	0.0000	0.0001	0.0000			0.0000	0.0000	0.0000
LDA-Elec			0				0	0.0102	0.0056	0.0158				0	0.0026	0.0020
LDA-Gas		0.1878	0.3782	0.0045		0.0009	0.0055	0.0778	0.0724	0.1557	0.0042		0.0008	0.0050	0.0195	0.0254
LDA-Phe		0.0055	0.0067	0.0001		0.0000	0.0001	0.0037	0.0018	0.0056	0.0001		0.0000	0.0001	0.0009	0.0006
LDT1-Dsl			0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
LDT1-Elec			0				0	0.0001	0.0001	0.0002				0	0.0000	0.0000
LDT1-Gas		0.0127	0.0245	0.0003		0.0001	0.0003	0.0046	0.0051	0.0100	0.0003		0.0001	0.0003	0.0011	0.0018
LDT1-Phe		0.0002	0.0002	0.0000		0.0000	0.0000	0.0001	0.0001	0.0002	0.0000		0.0000	0.0000	0.0000	0.0000
LDT2-Dsl			0.0005	0.0001			0.0001	0.0002	0.0002	0.0004	0.0001			0.0001	0.0000	0.0001
LDT2-Elec			0				0	0.0011	0.0006	0.0018				0	0.0003	0.0002
LDT2-Gas		0.1282	0.2401	0.0024		0.0005	0.0029	0.0408	0.0447	0.0884	0.0022		0.0005	0.0027	0.0102	0.0156
LDT2-Phe		0.0018	0.0021	0.0000		0.0000	0.0000	0.0011	0.0006	0.0017	0.0000		0.0000	0.0000	0.0003	0.0002
LHD1-Dsl	0.0030		0.0447	0.0018	0.0001		0.0019	0.0012	0.0076	0.0199	0.0017	0.0001		0.0018	0.0003	0.0026
LHD1-Elec			0				0	0.0019	0.0094	0.0000				0	0.0005	0.0033
LHD1-Gas	0.0001	0.0272	0.0506	0.0002		0.0000	0.0002	0.0013	0.0125	0.0274	0.0002		0.0000	0.0002	0.0003	0.0044
LHD2-Dsl	0.0017		0.0288	0.0011	0.0000		0.0012	0.0006	0.0042	0.0109	0.0011	0.0000		0.0011	0.0001	0.0015
LHD2-Elec			0				0	0.0004	0.0025	0.0000				0	0.0001	0.0009
LHD2-Gas	0.0000	0.0024	0.0047	0.0000		0.0000	0.0000	0.0001	0.0015	0.0032	0.0000		0.0000	0.0000	0.0000	0.0005
MCY-Gas		0.0012	0.0259	0.0001		0.0001	0.0002	0.0002	0.0006	0.0010	0.0001		0.0001	0.0002	0.0001	0.0002
MDV-Dsl			0.0003	0.0000			0.0000	0.0002	0.0003	0.0005	0.0000			0.0000	0.0001	0.0001
MDV-Elec			0				0	0.0010	0.0006	0.0016				0	0.0003	0.0002
MDV-Gas		0.0785	0.1443	0.0016		0.0003	0.0019	0.0224	0.0309	0.0552	0.0014		0.0003	0.0017	0.0056	0.0108
MDV-Phe		0.0011	0.0014	0.0000		0.0000	0.0000	0.0007	0.0004	0.0011	0.0000		0.0000	0.0000	0.0002	0.0001
MH-Dsl			0.0086	0.0001			0.0001	0.0001	0.0002	0.0003	0.0001			0.0001	0.0000	0.0001
MH-Gas		0.0000	0.0014	0.0000		0.0000	0.0000	0.0001	0.0003	0.0004	0.0000		0.0000	0.0000	0.0000	0.0001
Motor Coach-Dsl	0.0003	0.0004	0.0050	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000		0.0001	0.0000	0.0001
OBUS-Elec			0				0	0.0000	0.0001	0.0000				0	0.0000	0.0000
OBUS-Gas	0.0000	0.0004	0.0035	0.0000		0.0000	0.0000	0.0000	0.0001	0.0003	0.0000		0.0000	0.0000	0.0000	0.0000
PTO-Dsl			0.0723	0.0000			0.0000			0.0001	0.0000			0.0000		
PTO-Elec			0				0			0				0		
SBUS-Dsl	0.0010	0.0014	0.0101	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001
SBUS-Elec			0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001
SBUS-Gas	0.0000	0.0002	0.0017	0.0000		0.0000	0.0000	0.0000	0.0001	0.0003	0.0000		0.0000	0.0000	0.0000	0.0000
SBUS-NG	0.0003		0.0009	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000
T6 CAIRP Class 4-Dsl	0.0000	0.0000	0.0005	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 CAIRP Class 4-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 CAIRP Class 5-Dsl	0.0000	0.0001	0.0006	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 CAIRP Class 5-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 CAIRP Class 6-Dsl	0.0001	0.0003	0.0021	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000
T6 CAIRP Class 6-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 CAIRP Class 7-Dsl	0.0001	0.0007	0.0073	0.0001	0.0000		0.0001	0.0002	0.0007	0.0014	0.0001	0.0000		0.0001	0.0001	0.0003
T6 CAIRP Class 7-Elec			0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000
T6 Instate Delivery Class 4-Dsl	0.0009	0.0024	0.0173	0.0000	0.0000		0.0000	0.0001	0.0003	0.0008	0.0000	0.0000		0.0000	0.0000	0.0001
T6 Instate Delivery Class 4-Elec			0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001
T6 Instate Delivery Class 5-Dsl	0.0006	0.0015	0.0112	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001
T6 Instate Delivery Class 5-Elec			0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000
T6 Instate Delivery Class 6-Dsl	0.0026	0.0067	0.0491	0.0000	0.0000		0.0000	0.0002	0.0007	0.0022	0.0000	0.0000		0.0000	0.0000	0.0003
T6 Instate Delivery Class 6-Elec			0				0	0.0002	0.0005	0.0000				0	0.0001	0.0002
T6 Instate Delivery Class 7-Dsl	0.0008	0.0021	0.0117	0.0000	0.0000		0.0000	0.0001	0.0003	0.0006	0.0000	0.0000		0.0000	0.0000	0.0001
T6 Instate Delivery Class 7-Elec			0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000
T6 Instate Delivery Class 7-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Instate Other Class 4-Dsl	0.0018	0.0040	0.0301	0.0000	0.0000		0.0000	0.0001	0.0005	0.0017	0.0000	0.0000		0.0000	0.0000	0.0002
T6 Instate Other Class 4-Elec			0				0	0.0002	0.0004	0.0000				0	0.0000	0.0001
T6 Instate Other Class 5-Dsl	0.0051	0.0112	0.0851	0.0001	0.0000		0.0001	0.0004	0.0015	0.0047	0.0001	0.0000		0.0001	0.0001	0.0005
T6 Instate Other Class 5-Elec			0				0	0.0005	0.0010	0.0000				0	0.0001	0.0003
T6 Instate Other Class 6-Dsl	0.0038	0.0084	0.0633	0.0001	0.0000		0.0001	0.0003	0.0011	0.0035	0.0001	0.0000		0.0001	0.0001	0.0004
T6 Instate Other Class 6-Elec			0				0	0.0004	0.0007	0.0000				0	0.0001	0.0003
T6 Instate Other Class 7-Dsl	0.0039	0.0084	0.0425	0.0001	0.0000		0.0001	0.0002	0.0009	0.0023	0.0001	0.0000		0.0001	0.0001	0.0003
T6 Instate Other Class 7-Elec			0				0	0.0002	0.0004	0.0000				0	0.0001	0.0001
T6 Instate Other Class 7-NG	0.0001		0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Instate Tractor Class 6-Dsl	0.0000	0.0001	0.0007	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Instate Tractor Class 6-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 Instate Tractor Class 7-Dsl	0.0065	0.0137	0.0589	0.0002	0.0000		0.0002	0.0006	0.0023	0.0039	0.0002	0.0000		0.0002	0.0002	0.0008
T6 Instate Tractor Class 7-Elec			0				0	0.0002	0.0003	0.0000				0	0.0000	0.0001
T6 Instate Tractor Class 7-NG	0.0001		0.0002	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 OOS Class 4-Dsl	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 OOS Class 5-Dsl	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 OOS Class 6-Dsl	0.0001	0.0006	0.0012	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 OOS Class 7-Dsl	0.0002	0.0008	0.0045	0.0001	0.0000		0.0001	0.0002	0.0006	0.0009	0.0001	0.0000		0.0001	0.0000	0.0002
T6 Public Class 4-Dsl	0.0001	0.0001	0.0010	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Public Class 4-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 Public Class 4-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Public Class 5-Dsl	0.0004	0.0003	0.0031	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000

Veh_Tech	NOx_IDLEX	NOx_STREX	NOx_TOTEX	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW
T6 Public Class 5-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 Public Class 5-NG	0.0000		0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Public Class 6-Dsl	0.0006	0.0004	0.0047	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Public Class 6-Elec			0				0	0.0000	0.0001	0.0000				0	0.0000	0.0000
T6 Public Class 6-NG	0.0001		0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Public Class 7-Dsl	0.0010	0.0006	0.0062	0.0000	0.0000		0.0000	0.0000	0.0002	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001
T6 Public Class 7-Elec			0				0	0.0000	0.0001	0.0000				0	0.0000	0.0000
T6 Public Class 7-NG	0.0001		0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Utility Class 5-Dsl	0.0001	0.0001	0.0013	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Utility Class 5-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 Utility Class 5-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Utility Class 6-Dsl	0.0000	0.0000	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Utility Class 6-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 Utility Class 6-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0		0.0000	0.0000	0.0000
T6 Utility Class 7-Dsl	0.0000	0.0000	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6 Utility Class 7-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T6 Utility Class 7-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T6TS-Elec			0				0	0.0002	0.0004	0.0000				0	0.0001	0.0001
T6TS-Gas	0.0000	0.0023	0.0103	0.0000		0.0000	0.0000	0.0002	0.0006	0.0017	0.0000		0.0000	0.0000	0.0000	0.0002
T7 CAIRP Class 8-Dsl	0.1506	0.0680	1.1129	0.0116	0.0001		0.0117	0.0141	0.0321	0.0748	0.0111	0.0001		0.0112	0.0035	0.0112
T7 CAIRP Class 8-Elec			0				0	0.0041	0.0046	0.0000				0	0.0010	0.0016
T7 NNOOS Class 8-Dsl	0.3192	0.1139	1.23	0.0175	0.0001		0.0176	0.0215	0.0489	0.0880	0.0167	0.0001		0.0168	0.0054	0.0171
T7 NOOS Class 8-Dsl	0.1375	0.0491	0.4833	0.0067	0.0000		0.0068	0.0078	0.0178	0.0323	0.0064	0.0000		0.0065	0.0020	0.0062
T7 Other Port Class 8-Dsl	0.0007	0.0007	0.0126	0.0001	0.0000		0.0001	0.0002	0.0006	0.0011	0.0001	0.0000		0.0001	0.0001	0.0002
T7 Other Port Class 8-Elec			0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000
T7 POAK Class 8-Dsl	0.0038	0.0040	0.0399	0.0003	0.0000		0.0003	0.0005	0.0014	0.0028	0.0002	0.0000		0.0003	0.0001	0.0005
T7 POAK Class 8-Elec			0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001
T7 POLA Class 8-Dsl	0.0034	0.0036	0.0482	0.0004	0.0000		0.0004	0.0007	0.0019	0.0037	0.0004	0.0000		0.0004	0.0002	0.0007
T7 POLA Class 8-Elec			0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001
T7 POLA Class 8-NG	0.0000		0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T7 Public Class 8-Dsl	0.0025	0.0060	0.0444	0.0001	0.0000		0.0001	0.0003	0.0010	0.0025	0.0001	0.0000		0.0001	0.0001	0.0003
T7 Public Class 8-Elec			0				0	0.0003	0.0005	0.0000				0	0.0001	0.0002
T7 Public Class 8-NG	0.0002		0.0010	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000
T7 SWCV Class 8-Dsl	0.0005	0.0007	0.0054	0.0000	0.0000		0.0000	0.0001	0.0004	0.0009	0.0000	0.0000		0.0000	0.0000	0.0002
T7 SWCV Class 8-Elec			0				0	0.0003	0.0009	0.0000				0	0.0001	0.0003
T7 SWCV Class 8-NG	0.0001		0.0023	0.0000	0.0000		0.0000	0.0003	0.0016	0.0035	0.0000	0.0000		0.0000	0.0001	0.0006
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0007	0.0011	0.0146	0.0000	0.0000		0.0000	0.0001	0.0003	0.0011	0.0000	0.0000		0.0000	0.0000	0.0001
T7 Single Concrete/Transit Mix Class 8-Elec			0				0	0.0002	0.0002	0.0000				0	0.0000	0.0001
T7 Single Concrete/Transit Mix Class 8-NG	0.0000		0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000
T7 Single Dump Class 8-Dsl	0.0043	0.0071	0.0640	0.0002	0.0000		0.0003	0.0005	0.0013	0.0041	0.0002	0.0000		0.0002	0.0001	0.0004
T7 Single Dump Class 8-Elec			0				0	0.0006	0.0007	0.0000				0	0.0001	0.0002
T7 Single Dump Class 8-NG	0.0001		0.0004	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000
T7 Single Other Class 8-Dsl	0.0174	0.0290	0.2278	0.0007	0.0000		0.0007	0.0016	0.0039	0.0129	0.0007	0.0000		0.0007	0.0004	0.0014
T7 Single Other Class 8-Elec			0				0	0.0018	0.0023	0.0000				0	0.0005	0.0008
T7 Single Other Class 8-NG	0.0005		0.0015	0.0000	0.0000		0.0000	0.0001	0.0001	0.0004	0.0000	0.0000		0.0000	0.0000	0.0000
T7 Tractor Class 8-Dsl	0.1343	0.2126	0.9952	0.0062	0.0001		0.0063	0.0104	0.0248	0.0503	0.0059	0.0001		0.0060	0.0026	0.0087
T7 Tractor Class 8-Elec			0				0	0.0022	0.0027	0.0000				0	0.0006	0.0009
T7 Tractor Class 8-NG	0.0015		0.0026	0.0000	0.0000		0.0000	0.0002	0.0004	0.0007	0.0000	0.0000		0.0000	0.0000	0.0001
T7 Utility Class 8-Dsl	0.0001	0.0007	0.0033	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000
T7 Utility Class 8-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T7IS-Elec			0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000
T7IS-Gas		0.0000	0.0004	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
UBUS-Dsl			0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000
UBUS-Elec			0				0	0.0003	0.0008	0.0012				0	0.0001	0.0003
UBUS-Gas		0	0	0		0	0	0	0.0000	0.0000	0		0	0	0	0
UBUS-NG			0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000

Veh_Tech	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX	SOx_STREX	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	0.2656	0.0708	0.0015	0.0014	0.0737	1.24	528.7	227.3	3.11
All Other Buses-Dsl	0.0001	0.0000	0.0000		0.0000	0.0008		0.3229	
All Other Buses-NG	0.0000				0	0.0003			0.0295
LDA-Dsl	0.0000	0.0000			0.0000	0.0000		0.0884	
LDA-Elec	0.0045				0				
LDA-Gas	0.0498	0.0215		0.0006	0.0221	0.4081	235.9		
LDA-Phe	0.0017	0.0005		0.0000	0.0005	0.0078	5.78		
LDT1-Dsl	0.0000	0.0000			0.0000	0.0000		0.0002	
LDT1-Elec	0.0001				0				
LDT1-Gas	0.0032	0.0015		0.0000	0.0015	0.0240	16.1		
LDT1-Phe	0.0001	0.0000		0.0000	0.0000	0.0002	0.1831		
LDT2-Dsl	0.0002	0.0000			0.0000	0.0001		0.4263	
LDT2-Elec	0.0005				0				
LDT2-Gas	0.0285	0.0135		0.0004	0.0139	0.2138	148.2		
LDT2-Phe	0.0005	0.0002		0.0000	0.0002	0.0024	1.81		
LHD1-Dsl	0.0087	0.0006	0.0000		0.0006	0.0211		5.22	
LHD1-Elec	0.0000				0				
LHD1-Gas	0.0096	0.0012	0.0000	0.0000	0.0012	0.0072	12.7		
LHD2-Dsl	0.0049	0.0003	0.0000		0.0003	0.0099		2.95	
LHD2-Elec	0.0000				0				
LHD2-Gas	0.0011	0.0001	0.0000	0.0000	0.0001	0.0007	0.9882		
MCY-Gas	0.0005	0.0001		0.0000	0.0001	0.0005	1.12		
MDV-Dsl	0.0002	0.0001			0.0001	0.0001		0.8719	
MDV-Elec	0.0005				0				
MDV-Gas	0.0181	0.0092		0.0003	0.0095	0.1174	100.9		
MDV-Phe	0.0003	0.0001		0.0000	0.0001	0.0015	1.21		
MH-Dsl	0.0001	0.0000			0.0000	0.0007		0.3365	
MH-Gas	0.0001	0.0001		0.0000	0.0001	0.0003	1.25		
Motor Coach-Dsl	0.0001	0.0000	0.0000		0.0000	0.0005		0.3453	
OBUS-Elec	0.0000				0				
OBUS-Gas	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.3638		
PTO-Dsl	0.0001	0.0002			0.0002	0.0028		1.96	
PTO-Elec	0				0				
SBUS-Dsl	0.0002	0.0000	0.0000		0.0000	0.0009		0.3892	
SBUS-Elec	0.0000				0				
SBUS-Gas	0.0001	0.0000	0.0000	0.0000	0.0000	0.0001	0.2323		
SBUS-NG	0.0001				0	0.0013			0.1832
T6 CAIRP Class 4-Dsl	0.0000	0.0000	0.0000		0.0000	0.0001		0.0372	
T6 CAIRP Class 4-Elec	0.0000				0				
T6 CAIRP Class 5-Dsl	0.0000	0.0000	0.0000		0.0000	0.0001		0.0510	
T6 CAIRP Class 5-Elec	0.0000				0				
T6 CAIRP Class 6-Dsl	0.0001	0.0000	0.0000		0.0000	0.0003		0.1336	
T6 CAIRP Class 6-Elec	0.0000				0				
T6 CAIRP Class 7-Dsl	0.0005	0.0001	0.0000		0.0001	0.0038		1.40	
T6 CAIRP Class 7-Elec	0.0000				0				
T6 Instate Delivery Class 4-Dsl	0.0003	0.0001	0.0000		0.0001	0.0012		0.5311	
T6 Instate Delivery Class 4-Elec	0.0000				0				
T6 Instate Delivery Class 5-Dsl	0.0002	0.0000	0.0000		0.0000	0.0008		0.3457	
T6 Instate Delivery Class 5-Elec	0.0000				0				
T6 Instate Delivery Class 6-Dsl	0.0008	0.0002	0.0000		0.0002	0.0034		1.50	
T6 Instate Delivery Class 6-Elec	0.0000				0				
T6 Instate Delivery Class 7-Dsl	0.0002	0.0001	0.0000		0.0001	0.0013		0.5749	
T6 Instate Delivery Class 7-Elec	0.0000				0				
T6 Instate Delivery Class 7-NG	0.0000				0	0.0002			0.0249
T6 Instate Other Class 4-Dsl	0.0006	0.0001	0.0000		0.0001	0.0026		1.12	
T6 Instate Other Class 4-Elec	0.0000				0				
T6 Instate Other Class 5-Dsl	0.0017	0.0003	0.0000		0.0003	0.0074		3.15	
T6 Instate Other Class 5-Elec	0.0000				0				
T6 Instate Other Class 6-Dsl	0.0013	0.0002	0.0000		0.0002	0.0055		2.34	
T6 Instate Other Class 6-Elec	0.0000				0				
T6 Instate Other Class 7-Dsl	0.0009	0.0002	0.0000		0.0002	0.0046		1.96	
T6 Instate Other Class 7-Elec	0.0000				0				
T6 Instate Other Class 7-NG	0.0000				0	0.0005			0.0598
T6 Instate Tractor Class 6-Dsl	0.0000	0.0000	0.0000		0.0000	0.0001		0.0305	
T6 Instate Tractor Class 6-Elec	0.0000				0				
T6 Instate Tractor Class 7-Dsl	0.0014	0.0004	0.0000		0.0005	0.0113		4.37	
T6 Instate Tractor Class 7-Elec	0.0000				0				
T6 Instate Tractor Class 7-NG	0.0000				0	0.0014			0.1452
T6 OOS Class 4-Dsl	0.0000	0.0000	0.0000		0.0000	0.0001		0.0504	
T6 OOS Class 5-Dsl	0.0000	0.0000	0.0000		0.0000	0.0002		0.0691	
T6 OOS Class 6-Dsl	0.0000	0.0000	0.0000		0.0000	0.0005		0.1811	
T6 OOS Class 7-Dsl	0.0004	0.0001	0.0000		0.0001	0.0034		1.18	
T6 Public Class 4-Dsl	0.0000	0.0000	0.0000		0.0000	0.0001		0.0513	
T6 Public Class 4-Elec	0.0000				0				
T6 Public Class 4-NG	0.0000				0	0.0001			0.0093
T6 Public Class 5-Dsl	0.0001	0.0000	0.0000		0.0000	0.0003		0.1452	

Veh_Tech	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX	SOx_STREX	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Public Class 5-Elec	0.0000				0				
T6 Public Class 5-NG	0.0000				0	0.0002			0.0272
T6 Public Class 6-Dsl	0.0001	0.0000	0.0000		0.0000	0.0005		0.2227	
T6 Public Class 6-Elec	0.0000				0				
T6 Public Class 6-NG	0.0000				0	0.0003			0.0400
T6 Public Class 7-Dsl	0.0001	0.0000	0.0000		0.0000	0.0008		0.3801	
T6 Public Class 7-Elec	0.0000				0				
T6 Public Class 7-NG	0.0000				0	0.0006			0.0702
T6 Utility Class 5-Dsl	0.0000	0.0000	0.0000		0.0000	0.0001		0.0537	
T6 Utility Class 5-Elec	0.0000				0				
T6 Utility Class 5-NG	0.0000				0	0.0000			0.0001
T6 Utility Class 6-Dsl	0.0000	0.0000	0.0000		0.0000	0.0000		0.0101	
T6 Utility Class 6-Elec	0.0000				0				
T6 Utility Class 6-NG	0.0000				0	0.0000			0.0000
T6 Utility Class 7-Dsl	0.0000	0.0000	0.0000		0.0000	0.0000		0.0139	
T6 Utility Class 7-Elec	0.0000				0				
T6 Utility Class 7-NG	0.0000				0	0.0000			0.0000
T6TS-Elec	0.0000				0				
T6TS-Gas	0.0006	0.0002	0.0000	0.0000	0.0002	0.0006	2.08		
T7 CAIRP Class 8-Dsl	0.0336	0.0047	0.0004		0.0051	0.0862		48.1	
T7 CAIRP Class 8-Elec	0.0000				0				
T7 NNOOS Class 8-Dsl	0.0393	0.0069	0.0005		0.0074	0.1313		69.7	
T7 NOOS Class 8-Dsl	0.0146	0.0025	0.0002		0.0027	0.0477		25.6	
T7 Other Port Class 8-Dsl	0.0004	0.0001	0.0000		0.0001	0.0013		0.7306	
T7 Other Port Class 8-Elec	0.0000				0				
T7 POAK Class 8-Dsl	0.0011	0.0002	0.0000		0.0002	0.0034		1.94	
T7 POAK Class 8-Elec	0.0000				0				
T7 POLA Class 8-Dsl	0.0015	0.0003	0.0000		0.0003	0.0046		2.61	
T7 POLA Class 8-Elec	0.0000				0				
T7 POLA Class 8-NG	0.0000				0	0.0001			0.0143
T7 Public Class 8-Dsl	0.0009	0.0001	0.0000		0.0001	0.0020		1.35	
T7 Public Class 8-Elec	0.0000				0				
T7 Public Class 8-NG	0.0001				0	0.0013			0.2178
T7 SWCV Class 8-Dsl	0.0003	0.0001	0.0000		0.0001	0.0004		0.6445	
T7 SWCV Class 8-Elec	0.0000				0				
T7 SWCV Class 8-NG	0.0012				0	0.0045			1.25
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0004	0.0000	0.0000		0.0000	0.0008		0.4565	
T7 Single Concrete/Transit Mix Class 8-Elec	0.0000				0				
T7 Single Concrete/Transit Mix Class 8-NG	0.0000				0	0.0001			0.0180
T7 Single Dump Class 8-Dsl	0.0016	0.0002	0.0000		0.0002	0.0032		2.03	
T7 Single Dump Class 8-Elec	0.0000				0				
T7 Single Dump Class 8-NG	0.0000				0	0.0006			0.0808
T7 Single Other Class 8-Dsl	0.0051	0.0006	0.0000		0.0007	0.0097		6.14	
T7 Single Other Class 8-Elec	0.0000				0				
T7 Single Other Class 8-NG	0.0001				0	0.0017			0.2539
T7 Tractor Class 8-Dsl	0.0210	0.0034	0.0003		0.0037	0.0633		35.1	
T7 Tractor Class 8-Elec	0.0000				0				
T7 Tractor Class 8-NG	0.0002				0	0.0048			0.6853
T7 Utility Class 8-Dsl	0.0001	0.0000	0.0000		0.0000	0.0001		0.0840	
T7 Utility Class 8-Elec	0.0000				0				
T7IS-Elec	0.0000				0				
T7IS-Gas	0.0000	0.0000		0.0000	0.0000	0.0000	0.0084		
UBUS-Dsl	0.0000	0.0000			0.0000	0.0000		0.0005	
UBUS-Elec	0.0004				0				
UBUS-Gas	0	0		0	0	0.0000	0.0000		
UBUS-NG	0.0000				0	0.0000			0.0030

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX	TOG_DIURN
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-Dsl	All Other Buses - Dsl	71.0	3,151.8	3,151.8	0	631.7	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Dsl	LDA - Dsl	139.9	5,087.5	5,087.5	0	628.3	0.0000			0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Dsl	LDT1 - Dsl	0.1692	6.27	6.27	0	0.7753	0.0000			0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Dsl	LDT2 - Dsl	471.9	17,713.8	17,713.8	0	2,169.8	0.0003			0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Dsl	LHD1 - Dsl	2,718.7	87,906.8	87,906.8	0	34,198.4	0.0096	0.0004		0.0100	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Dsl	LHD2 - Dsl	1,388.9	42,199.6	42,199.6	0	17,470.4	0.0059	0.0002		0.0061	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Dsl	MDV - Dsl	812.5	27,719.6	27,719.6	0	3,655.9	0.0001			0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Dsl	MH - Dsl	345.8	3,134.7	3,134.7	0	34.6	0.0003			0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	Motor Coach-Dsl	Motor Coach - Dsl	17.5	2,206.1	2,206.1	0	401.7	0.0000	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Dsl	PTO-Dsl		11,595.3	11,595.3	0		0.0002			0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Dsl	SBUS - Dsl	168.4	3,578.6	3,578.6	0	2,437.8	0.0000	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	5.10	370.6	370.6	0	117.3	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	6.26	508.8	508.8	0	143.9	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	28.6	1,327.1	1,327.1	0	656.1	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	78.3	15,847.9	15,847.9	0	1,800.3	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	148.9	4,954.8	4,954.8	0	2,125.5	0.0000	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	96.9	3,223.3	3,223.3	0	1,382.5	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	420.6	13,990.5	13,990.5	0	6,001.5	0.0001	0.0001		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	105.2	5,352.2	5,352.2	0	1,500.8	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	273.8	10,773.8	10,773.8	0	3,164.6	0.0001	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	772.1	30,403.6	30,403.6	0	8,925.4	0.0002	0.0002		0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	574.5	22,603.6	22,603.6	0	6,640.8	0.0002	0.0001		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	463.9	18,795.1	18,795.1	0	5,362.2	0.0002	0.0001		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	6.45	296.0	296.0	0	74.6	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	802.3	46,745.3	46,745.3	0	9,274.5	0.0004	0.0002		0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl	7.32	534.6	534.6	0	168.1	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl	8.99	733.4	733.4	0	206.5	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl	40.9	1,916.4	1,916.4	0	939.3	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	50.2	13,934.7	13,934.7	0	1,153.8	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl	13.0	452.0	452.0	0	66.7	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl	36.7	1,272.2	1,272.2	0	188.5	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl	56.6	1,956.3	1,956.3	0	290.3	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl	81.0	3,425.4	3,425.4	0	415.7	0.0000	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl	12.9	519.6	519.6	0	165.7	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl	2.45	98.2	98.2	0	31.3	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl	2.72	135.2	135.2	0	34.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1,707.3	355,293.0	355,293.0	0	39,234.3	0.0051	0.0224		0.0274	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1,892.2	541,628.2	541,628.2	0	43,482.9	0.0075	0.0308		0.0383	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	815.2	196,763.9	196,763.9	0	18,732.6	0.0028	0.0132		0.0161	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	22.3	5,306.4	5,306.4	0	364.5	0.0001	0.0001		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl	119.8	13,846.3	13,846.3	0	1,960.7	0.0002	0.0005		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl	102.6	18,826.3	18,826.3	0	1,678.1	0.0003	0.0004		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl	204.8	8,312.5	8,312.5	0	1,050.7	0.0002	0.0003		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	29.7	1,928.2	1,928.2	0	136.7	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	46.1	3,094.1	3,094.1	0	434.7	0.0000	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl	267.7	13,308.3	13,308.3	0	2,521.8	0.0002	0.0006		0.0008	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl	1,112.5	39,951.1	39,951.1	0	10,479.4	0.0005	0.0026		0.0031	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	4,003.6	260,956.2	260,956.2	0	58,172.9	0.0033	0.0174		0.0207	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl	13.2	546.2	546.2	0	168.7	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Dsl	UBUS - Dsl	0.2045	7.38	7.38	0	0.8182	0.0000			0.0000	
								TOTALs	**20,567.6**	**1,864,238.7**	**1,864,238.7**	**0.0**	**290,878.8**	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**

Veh_Tech	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	NOx_TOTEX
All Other Buses-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0002		0.0006	0.0031	0.0001	0.0006	0.0049
LDA-Dsl			0.0000	0.0000			0.0000				0.0000	0.0007			0.0007	0.0001			0.0001
LDT1-Dsl			0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000			0.0000
LDT2-Dsl			0.0003	0.0002			0.0002				0.0002	0.0024			0.0024	0.0005			0.0005
LHD1-Dsl			0.0100	0.0084	0.0003		0.0088				0.0159	0.0211	0.0027		0.0239	0.0241	0.0030		0.0447
LHD2-Dsl			0.0061	0.0052	0.0002		0.0054				0.0092	0.0133	0.0014		0.0147	0.0178	0.0017		0.0288
MDV-Dsl			0.0001	0.0001			0.0001				0.0001	0.0040			0.0040	0.0003			0.0003
MH-Dsl			0.0003	0.0003			0.0003				0.0003	0.0008			0.0008	0.0086			0.0086
Motor Coach-Dsl			0.0001	0.0000	0.0001		0.0001				0.0001	0.0001	0.0011		0.0012	0.0022	0.0003	0.0004	0.0050
PTO-Dsl			0.0002	0.0002			0.0002				0.0003	0.0022			0.0022	0.0310			0.0723
SBUS-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0013		0.0015	0.0011	0.0010	0.0014	0.0101
T6 CAIRP Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0000	0.0005
T6 CAIRP Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001	0.0006
T6 CAIRP Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0003	0.0001	0.0003	0.0021
T6 CAIRP Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0005	0.0002		0.0007	0.0034	0.0001	0.0007	0.0073
T6 Instate Delivery Class 4-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0003	0.0012		0.0014	0.0019	0.0009	0.0024	0.0173
T6 Instate Delivery Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0001	0.0002	0.0008		0.0009	0.0012	0.0006	0.0015	0.0112
T6 Instate Delivery Class 6-Dsl			0.0002	0.0001	0.0001		0.0002				0.0004	0.0008	0.0033		0.0041	0.0053	0.0026	0.0067	0.0491
T6 Instate Delivery Class 7-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0004	0.0008		0.0012	0.0030	0.0008	0.0021	0.0117
T6 Instate Other Class 4-Dsl			0.0001	0.0001	0.0001		0.0001				0.0003	0.0005	0.0023		0.0028	0.0031	0.0018	0.0040	0.0301
T6 Instate Other Class 5-Dsl			0.0004	0.0002	0.0002		0.0003				0.0007	0.0014	0.0064		0.0078	0.0086	0.0051	0.0112	0.0851
T6 Instate Other Class 6-Dsl			0.0003	0.0001	0.0001		0.0002				0.0006	0.0010	0.0048		0.0058	0.0065	0.0038	0.0084	0.0633
T6 Instate Other Class 7-Dsl			0.0003	0.0001	0.0001		0.0002				0.0004	0.0010	0.0039		0.0049	0.0084	0.0039	0.0084	0.0425
T6 Instate Tractor Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001	0.0000	0.0001	0.0007
T6 Instate Tractor Class 7-Dsl			0.0006	0.0003	0.0002		0.0005				0.0006	0.0025	0.0067		0.0091	0.0179	0.0065	0.0137	0.0589
T6 OOS Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001	0.0003
T6 OOS Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001	0.0003
T6 OOS Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0005	0.0001	0.0006	0.0012
T6 OOS Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0001		0.0006	0.0035	0.0002	0.0008	0.0045
T6 Public Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0002		0.0002	0.0002	0.0001	0.0001	0.0010
T6 Public Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0004		0.0005	0.0006	0.0004	0.0003	0.0031
T6 Public Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0001	0.0001	0.0007		0.0008	0.0008	0.0006	0.0004	0.0047
T6 Public Class 7-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0010		0.0011	0.0012	0.0010	0.0006	0.0062
T6 Utility Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001	0.0001	0.0001	0.0013
T6 Utility Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0002
T6 Utility Class 7-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0003
T7 CAIRP Class 8-Dsl			0.0274	0.0045	0.0196		0.0241				0.0308	0.0151	0.2902		0.3053	0.4710	0.1506	0.0680	1.1129
T7 NNOOS Class 8-Dsl			0.0383	0.0066	0.0270		0.0336				0.0336	0.0224	0.3991		0.4215	0.7938	0.3192	0.1139	1.23
T7 NOOS Class 8-Dsl			0.0161	0.0025	0.0116		0.0141				0.0141	0.0084	0.1719		0.1803	0.2967	0.1375	0.0491	0.4833
T7 Other Port Class 8-Dsl			0.0002	0.0001	0.0001		0.0001				0.0002	0.0004	0.0012		0.0016	0.0073	0.0007	0.0007	0.0126
T7 POAK Class 8-Dsl			0.0007	0.0002	0.0005		0.0006				0.0007	0.0010	0.0067		0.0077	0.0196	0.0038	0.0040	0.0399
T7 POLA Class 8-Dsl			0.0007	0.0002	0.0004		0.0006				0.0007	0.0014	0.0057		0.0071	0.0286	0.0034	0.0036	0.0482
T7 Public Class 8-Dsl			0.0005	0.0002	0.0003		0.0005				0.0007	0.0012	0.0039		0.0051	0.0137	0.0025	0.0060	0.0444
T7 SWCV Class 8-Dsl			0.0001	0.0001	0.0000		0.0001				0.0002	0.0001	0.0006		0.0007	0.0028	0.0005	0.0007	0.0054
T7 Single Concrete/Transit Mix Class 8-Dsl			0.0001	0.0000	0.0001		0.0001				0.0003	0.0001	0.0014		0.0015	0.0027	0.0007	0.0011	0.0146
T7 Single Dump Class 8-Dsl			0.0008	0.0001	0.0005		0.0007				0.0013	0.0008	0.0081		0.0089	0.0152	0.0043	0.0071	0.0640
T7 Single Other Class 8-Dsl			0.0031	0.0004	0.0023		0.0027				0.0052	0.0021	0.0337		0.0358	0.0420	0.0174	0.0290	0.2278
T7 Tractor Class 8-Dsl			0.0207	0.0029	0.0153		0.0182				0.0217	0.0136	0.2254		0.2390	0.3358	0.1343	0.2126	0.9952
T7 Utility Class 8-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0006	0.0001	0.0007	0.0033
UBUS-Dsl			0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000			0.0000
	0.0	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**1.2**	**0.0**	**1.3**	**2.2**	**0.8**	**0.6**	**4.9**

Veh_Tech	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX
All Other Buses-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0002	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000
LDA-Dsl	0.0000			0.0000	0.0000	0.0000	0.0001	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	
LDT1-Dsl	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	
LDT2-Dsl	0.0001			0.0001	0.0002	0.0002	0.0004	0.0001			0.0001	0.0000	0.0001	0.0002	0.0000	
LHD1-Dsl	0.0018	0.0001		0.0019	0.0012	0.0076	0.0199	0.0017	0.0001		0.0018	0.0003	0.0026	0.0087	0.0006	0.0000
LHD2-Dsl	0.0011	0.0000		0.0012	0.0006	0.0042	0.0109	0.0011	0.0000		0.0011	0.0001	0.0015	0.0049	0.0003	0.0000
MDV-Dsl	0.0000			0.0000	0.0002	0.0003	0.0005	0.0000			0.0000	0.0001	0.0001	0.0002	0.0001	
MH-Dsl	0.0001			0.0001	0.0001	0.0002	0.0003	0.0001			0.0001	0.0000	0.0001	0.0001	0.0000	
Motor Coach-Dsl	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000		0.0001	0.0000	0.0001	0.0001	0.0000	0.0000
PTO-Dsl	0.0000			0.0000			0.0001	0.0000			0.0000			0.0001	0.0002	
SBUS-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000
T6 CAIRP Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 CAIRP Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 CAIRP Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
T6 CAIRP Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0007	0.0014	0.0001	0.0000		0.0001	0.0001	0.0003	0.0005	0.0001	0.0000
T6 Instate Delivery Class 4-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0008	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0001	0.0000
T6 Instate Delivery Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000
T6 Instate Delivery Class 6-Dsl	0.0000	0.0000		0.0000	0.0002	0.0007	0.0022	0.0000	0.0000		0.0000	0.0000	0.0003	0.0008	0.0002	0.0000
T6 Instate Delivery Class 7-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0006	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0001	0.0000
T6 Instate Other Class 4-Dsl	0.0000	0.0000		0.0000	0.0001	0.0005	0.0017	0.0000	0.0000		0.0000	0.0000	0.0002	0.0006	0.0001	0.0000
T6 Instate Other Class 5-Dsl	0.0001	0.0000		0.0001	0.0004	0.0015	0.0047	0.0001	0.0000		0.0001	0.0001	0.0005	0.0017	0.0003	0.0000
T6 Instate Other Class 6-Dsl	0.0001	0.0000		0.0001	0.0003	0.0011	0.0035	0.0001	0.0000		0.0001	0.0001	0.0004	0.0013	0.0002	0.0000
T6 Instate Other Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0009	0.0023	0.0001	0.0000		0.0001	0.0001	0.0003	0.0009	0.0002	0.0000
T6 Instate Tractor Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Instate Tractor Class 7-Dsl	0.0002	0.0000		0.0002	0.0006	0.0023	0.0039	0.0002	0.0000		0.0002	0.0002	0.0008	0.0014	0.0004	0.0000
T6 OOS Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0006	0.0009	0.0001	0.0000		0.0001	0.0000	0.0002	0.0004	0.0001	0.0000
T6 Public Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Public Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
T6 Public Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
T6 Public Class 7-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000
T6 Utility Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 7-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T7 CAIRP Class 8-Dsl	0.0116	0.0001		0.0117	0.0141	0.0321	0.0748	0.0111	0.0001		0.0112	0.0035	0.0112	0.0336	0.0047	0.0004
T7 NNOOS Class 8-Dsl	0.0175	0.0001		0.0176	0.0215	0.0489	0.0880	0.0167	0.0001		0.0168	0.0054	0.0171	0.0393	0.0069	0.0005
T7 NOOS Class 8-Dsl	0.0067	0.0000		0.0068	0.0078	0.0178	0.0323	0.0064	0.0000		0.0065	0.0020	0.0062	0.0146	0.0025	0.0002
T7 Other Port Class 8-Dsl	0.0001	0.0000		0.0001	0.0002	0.0006	0.0011	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000
T7 POAK Class 8-Dsl	0.0003	0.0000		0.0003	0.0005	0.0014	0.0028	0.0002	0.0000		0.0003	0.0001	0.0005	0.0011	0.0002	0.0000
T7 POLA Class 8-Dsl	0.0004	0.0000		0.0004	0.0007	0.0019	0.0037	0.0004	0.0000		0.0004	0.0002	0.0007	0.0015	0.0003	0.0000
T7 Public Class 8-Dsl	0.0001	0.0000		0.0001	0.0003	0.0010	0.0025	0.0001	0.0000		0.0001	0.0001	0.0003	0.0009	0.0001	0.0000
T7 SWCV Class 8-Dsl	0.0000	0.0000		0.0000	0.0001	0.0004	0.0009	0.0000	0.0000		0.0000	0.0000	0.0002	0.0003	0.0001	0.0000
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0011	0.0000	0.0000		0.0000	0.0000	0.0001	0.0004	0.0000	0.0000
T7 Single Dump Class 8-Dsl	0.0002	0.0000		0.0003	0.0005	0.0013	0.0041	0.0002	0.0000		0.0002	0.0001	0.0004	0.0016	0.0002	0.0000
T7 Single Other Class 8-Dsl	0.0007	0.0000		0.0007	0.0016	0.0039	0.0129	0.0007	0.0000		0.0007	0.0004	0.0014	0.0051	0.0006	0.0000
T7 Tractor Class 8-Dsl	0.0062	0.0001		0.0063	0.0104	0.0248	0.0503	0.0059	0.0001		0.0060	0.0026	0.0087	0.0210	0.0034	0.0003
T7 Utility Class 8-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
UBUS-Dsl	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0	**0.0**	**0.0**	**0.0**	**0.1**	**0.2**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.0**	**0.0**

Veh_Tech	SOx_STREX	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
All Other Buses-Dsl		0.0000	0.0008		0.3229	
LDA-Dsl		0.0000	0.0000		0.0884	
LDT1-Dsl		0.0000	0.0000		0.0002	
LDT2-Dsl		0.0000	0.0001		0.4263	
LHD1-Dsl		0.0006	0.0211		5.22	
LHD2-Dsl		0.0003	0.0099		2.95	
MDV-Dsl		0.0001	0.0001		0.8719	
MH-Dsl		0.0000	0.0007		0.3365	
Motor Coach-Dsl		0.0000	0.0005		0.3453	
PTO-Dsl		0.0002	0.0028		1.96	
SBUS-Dsl		0.0000	0.0009		0.3892	
T6 CAIRP Class 4-Dsl		0.0000	0.0001		0.0372	
T6 CAIRP Class 5-Dsl		0.0000	0.0001		0.0510	
T6 CAIRP Class 6-Dsl		0.0000	0.0003		0.1336	
T6 CAIRP Class 7-Dsl		0.0001	0.0038		1.40	
T6 Instate Delivery Class 4-Dsl		0.0001	0.0012		0.5311	
T6 Instate Delivery Class 5-Dsl		0.0000	0.0008		0.3457	
T6 Instate Delivery Class 6-Dsl		0.0002	0.0034		1.50	
T6 Instate Delivery Class 7-Dsl		0.0001	0.0013		0.5749	
T6 Instate Other Class 4-Dsl		0.0001	0.0026		1.12	
T6 Instate Other Class 5-Dsl		0.0003	0.0074		3.15	
T6 Instate Other Class 6-Dsl		0.0002	0.0055		2.34	
T6 Instate Other Class 7-Dsl		0.0002	0.0046		1.96	
T6 Instate Tractor Class 6-Dsl		0.0000	0.0001		0.0305	
T6 Instate Tractor Class 7-Dsl		0.0005	0.0113		4.37	
T6 OOS Class 4-Dsl		0.0000	0.0001		0.0504	
T6 OOS Class 5-Dsl		0.0000	0.0002		0.0691	
T6 OOS Class 6-Dsl		0.0000	0.0005		0.1811	
T6 OOS Class 7-Dsl		0.0001	0.0034		1.18	
T6 Public Class 4-Dsl		0.0000	0.0001		0.0513	
T6 Public Class 5-Dsl		0.0000	0.0003		0.1452	
T6 Public Class 6-Dsl		0.0000	0.0005		0.2227	
T6 Public Class 7-Dsl		0.0000	0.0008		0.3801	
T6 Utility Class 5-Dsl		0.0000	0.0001		0.0537	
T6 Utility Class 6-Dsl		0.0000	0.0000		0.0101	
T6 Utility Class 7-Dsl		0.0000	0.0000		0.0139	
T7 CAIRP Class 8-Dsl		0.0051	0.0862		48.1	
T7 NNOOS Class 8-Dsl		0.0074	0.1313		69.7	
T7 NOOS Class 8-Dsl		0.0027	0.0477		25.6	
T7 Other Port Class 8-Dsl		0.0001	0.0013		0.7306	
T7 POAK Class 8-Dsl		0.0002	0.0034		1.94	
T7 POLA Class 8-Dsl		0.0003	0.0046		2.61	
T7 Public Class 8-Dsl		0.0001	0.0020		1.35	
T7 SWCV Class 8-Dsl		0.0001	0.0004		0.6445	
T7 Single Concrete/Transit Mix Class 8-Dsl		0.0000	0.0008		0.4565	
T7 Single Dump Class 8-Dsl		0.0002	0.0032		2.03	
T7 Single Other Class 8-Dsl		0.0007	0.0097		6.14	
T7 Tractor Class 8-Dsl		0.0037	0.0633		35.1	
T7 Utility Class 8-Dsl		0.0000	0.0001		0.0840	
UBUS-Dsl		0.0000	0.0000		0.0005	
	0.0	**0.0**	**0.4**	**0.0**	**227.3**	

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Vehicles	All Vehicles	545,536.5	21,444,529.8	18,915,496.7	2,529,033.1	2,846,351.8	0.1997	0.1011	0.3744	0.6752
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-Dsl	All Other Buses - Dsl	71.1	3,155.6	3,155.6	0	632.5	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-NG	All Other Buses - Oth	5.88	247.8	247.8	0	52.4	0.0002	0.0000		0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Dsl	LDA - Dsl	140.0	5,093.7	5,093.7	0	629.0	0.0000			0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Elec	LDA - Oth	31,264.9	1,159,276.7	0	1,159,276.7	145,512.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Gas	LDA - Gas	226,122.2	8,835,859.1	8,835,859.1	0	1,043,851.4	0.0400		0.1488	0.1888
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Phe	LDA - Gas	10,661.3	416,795.2	169,790.5	247,004.7	44,084.5	0.0008		0.0091	0.0098
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Dsl	LDT1 - Dsl	0.1694	6.28	6.28	0	0.7762	0.0000			0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Elec	LDT1 - Oth	450.6	16,540.9	0	16,540.9	2,090.7				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Gas	LDT1 - Gas	14,564.9	521,989.5	521,989.5	0	65,715.4	0.0025		0.0099	0.0125
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Phe	LDT1 - Gas	344.3	13,097.7	5,329.1	7,768.5	1,423.6	0.0000		0.0003	0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Dsl	LDT2 - Dsl	472.5	17,735.3	17,735.3	0	2,172.4	0.0003			0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Elec	LDT2 - Oth	5,019.8	128,519.7	0	128,519.7	23,351.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Gas	LDT2 - Gas	124,184.2	4,633,972.5	4,633,972.5	0	569,246.3	0.0290		0.1088	0.1378
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Phe	LDT2 - Gas	3,420.9	129,042.2	52,558.0	76,484.2	14,145.4	0.0002		0.0029	0.0031
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Dsl	LHD1 - Dsl	2,722.0	88,013.5	88,013.5	0	34,239.9	0.0096	0.0004		0.0100
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Elec	LHD1 - Oth	5,425.3	217,834.0	0	217,834.0	76,335.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Gas	LHD1 - Gas	4,262.4	145,008.3	145,008.3	0	63,503.2	0.0009	0.0019	0.0062	0.0090
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Dsl	LHD2 - Dsl	1,390.6	42,250.8	42,250.8	0	17,491.6	0.0059	0.0002		0.0061
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Elec	LHD2 - Oth	1,261.7	49,537.1	0	49,537.1	16,694.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Gas	LHD2 - Gas	450.5	15,033.9	15,033.9	0	6,712.2	0.0000	0.0002	0.0006	0.0008
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MCY-Gas	MCY - Gas	9,265.6	49,030.5	49,030.5	0	18,531.2	0.0508		0.0190	0.0698
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Dsl	MDV - Dsl	813.5	27,753.2	27,753.2	0	3,660.3	0.0001			0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Elec	MDV - Oth	4,638.5	117,481.9	0	117,481.9	21,494.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Gas	MDV - Gas	72,995.7	2,548,492.2	2,548,492.2	0	331,714.1	0.0187		0.0657	0.0844
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Phe	MDV - Gas	2,189.2	77,814.3	31,699.4	46,114.8	9,052.5	0.0002		0.0019	0.0020
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Dsl	MH - Dsl	346.2	3,138.5	3,138.5	0	34.6	0.0003			0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Gas	MH - Gas	532.4	5,540.3	5,540.3	0	53.3	0.0001		0.0000	0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	Motor Coach-Dsl	Motor Coach - Dsl	17.5	2,208.8	2,208.8	0	402.2	0.0000	0.0001		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Elec	OBUS - Oth	41.7	2,746.6	0	2,746.6	835.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Gas	OBUS - Gas	53.1	2,037.0	2,037.0	0	1,062.1	0.0000	0.0001	0.0002	0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Dsl	PTO-Dsl		11,609.4	11,609.4	0		0.0002			0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Elec	PTO-Oth		12,838.2	0	12,838.2					0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Dsl	SBUS - Dsl	168.6	3,583.0	3,583.0	0	2,440.8	0.0000	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Elec	SBUS - Oth	29.5	6,936.2	0	6,936.2	3,364.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Gas	SBUS - Gas	48.6	2,562.6	2,562.6	0	194.4	0.0000	0.0008	0.0001	0.0010
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-NG	SBUS-Oth	54.7	1,142.0	1,142.0	0	792.7	0.0029	0.0007		0.0036
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	5.11	371.1	371.1	0	117.4	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth	7.47	563.8	0	563.8	171.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	6.27	509.4	509.4	0	144.1	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth	9.16	773.1	0	773.1	210.5				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	28.6	1,328.7	1,328.7	0	656.9	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth	41.9	2,022.5	0	2,022.5	963.9				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	78.4	15,867.2	15,867.2	0	1,802.5	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth	24.7	5,153.5	0	5,153.5	566.7				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	149.1	4,960.8	4,960.8	0	2,128.1	0.0000	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth	181.9	6,336.3	0	6,336.3	2,595.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	97.0	3,227.2	3,227.2	0	1,384.1	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth	118.2	4,121.0	0	4,121.0	1,686.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	421.1	14,007.5	14,007.5	0	6,008.7	0.0001	0.0001		0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth	513.1	17,882.3	0	17,882.3	7,322.4				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	105.3	5,358.7	5,358.7	0	1,502.6	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth	76.3	4,048.6	0	4,048.6	1,088.4				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG	3.45	171.9	171.9	0	49.2	0.0002	0.0000		0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	274.1	10,786.9	10,786.9	0	3,168.5	0.0001	0.0001		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth	333.4	14,320.6	0	14,320.6	3,853.7				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	773.0	30,440.5	30,440.5	0	8,936.2	0.0002	0.0002		0.0004
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth	940.6	40,446.5	0	40,446.5	10,873.5				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	575.2	22,631.0	22,631.0	0	6,648.9	0.0002	0.0001		0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth	698.7	30,019.4	0	30,019.4	8,077.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	464.4	18,817.9	18,817.9	0	5,368.7	0.0002	0.0001		0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth	324.7	16,604.6	0	16,604.6	3,753.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG	11.6	465.5	465.5	0	133.9	0.0004	0.0002		0.0005
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	6.46	296.4	296.4	0	74.7	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth	7.85	400.7	0	400.7	90.7				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	803.3	46,802.1	46,802.1	0	9,285.8	0.0004	0.0002		0.0006
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth	180.7	12,163.8	0	12,163.8	2,089.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG	20.8	1,195.7	1,195.7	0	241.0	0.0009	0.0003		0.0012
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl	7.33	535.3	535.3	0	168.3	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl	9.00	734.3	734.3	0	206.8	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl	40.9	1,918.7	1,918.7	0	940.4	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	50.3	13,951.6	13,951.6	0	1,155.2	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl	13.0	452.6	452.6	0	66.8	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Elec	T6 Public-Oth	14.4	556.7	0	556.7	74.1				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-NG	T6 Public-NG	1.79	62.6	62.6	0	9.20	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl	36.8	1,273.8	1,273.8	0	188.7	0.0000	0.0000		0.0000

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Elec	T6 Public-Oth	40.2	1,546.6	0	1,546.6	206.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-NG	T6 Public-NG	5.30	182.7	182.7	0	27.2	0.0002	0.0001		0.0003
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl	56.7	1,958.7	1,958.7	0	290.7	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Elec	T6 Public-Oth	61.6	2,357.4	0	2,357.4	315.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-NG	T6 Public-NG	7.73	268.6	268.6	0	39.6	0.0003	0.0002		0.0004
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl	81.1	3,429.5	3,429.5	0	416.2	0.0000	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Elec	T6 Public-Oth	68.9	3,231.1	0	3,231.1	353.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-NG	T6 Public-NG	11.5	485.6	485.6	0	59.0	0.0005	0.0002		0.0007
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl	13.0	520.3	520.3	0	165.9	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth	19.7	803.7	0	803.7	251.5				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-NG	T6 Utility-NG	0.0293	1.17	1.17	0	0.3746	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl	2.45	98.3	98.3	0	31.4	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth	3.71	151.9	0	151.9	47.5				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-NG	T6 Utility-NG	0.0055	0.2219	0.2219	0	0.0708	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl	2.72	135.4	135.4	0	34.8	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth	4.13	212.8	0	212.8	52.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-NG	T6 Utility-NG	0.0061	0.3056	0.3056	0	0.0786	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Elec	T6TS - Gas	241.3	15,483.1	0	15,483.1	4,827.8				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Gas	T6TS - Gas	225.4	11,523.0	11,523.0	0	4,508.9	0.0002	0.0004	0.0010	0.0016
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1,709.4	355,724.4	355,724.4	0	39,281.9	0.0051	0.0224		0.0275
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth	477.9	102,942.6	0	102,942.6	10,983.0				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1,894.5	542,285.8	542,285.8	0	43,535.7	0.0076	0.0308		0.0383
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	816.2	197,002.8	197,002.8	0	18,755.3	0.0028	0.0133		0.0161
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	22.3	5,312.8	5,312.8	0	364.9	0.0001	0.0001		0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth	5.15	1,340.0	0	1,340.0	84.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl	120.0	13,863.1	13,863.1	0	1,963.0	0.0002	0.0005		0.0007
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth	28.0	3,199.8	0	3,199.8	458.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl	102.7	18,849.2	18,849.2	0	1,680.1	0.0003	0.0004		0.0007
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth	19.8	3,589.7	0	3,589.7	323.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-NG	T7 POLA-NG	0.4941	90.7	90.7	0	8.08	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl	205.1	8,322.6	8,322.6	0	1,052.0	0.0002	0.0003		0.0005
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Elec	T7 Public-Oth	171.8	7,874.0	0	7,874.0	881.3				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-NG	T7 Public-NG	26.4	1,074.0	1,074.0	0	135.6	0.0021	0.0005		0.0026
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	29.8	1,930.5	1,930.5	0	136.9	0.0001	0.0000		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth	116.6	7,550.0	0	7,550.0	536.5				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG	107.7	6,978.8	6,978.8	0	495.4	0.0029	0.0003		0.0033
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	46.2	3,097.8	3,097.8	0	435.3	0.0000	0.0001		0.0001
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth	63.4	4,463.2	0	4,463.2	597.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG	1.68	112.9	112.9	0	15.9	0.0001	0.0000		0.0002
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl	268.0	13,324.4	13,324.4	0	2,524.9	0.0002	0.0006		0.0008
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth	229.4	13,891.5	0	13,891.5	2,160.9				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-NG	T7 Single-NG	9.63	481.2	481.2	0	90.7	0.0006	0.0003		0.0009
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl	1,113.8	39,999.6	39,999.6	0	10,492.1	0.0005	0.0026		0.0031
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth	1,097.4	46,301.2	0	46,301.2	10,337.2				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-NG	T7 Single-NG	40.3	1,451.2	1,451.2	0	379.5	0.0017	0.0012		0.0029
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	4,008.5	261,273.0	261,273.0	0	58,243.5	0.0033	0.0174		0.0207
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth	785.6	55,597.2	0	55,597.2	11,414.4				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG	62.7	4,086.1	4,086.1	0	911.6	0.0047	0.0034		0.0081
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl	13.2	546.8	546.8	0	168.9	0.0000	0.0000		0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth	10.8	499.5	0	499.5	138.1				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Elec	T7IS - Gas	0.3262	49.6	0	49.6	6.53				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Gas	T7IS - Gas	0.3179	40.1	40.1	0	6.36	0.0000		0.0000	0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Dsl	UBUS - Dsl	0.2048	7.39	7.39	0	0.8191	0.0000			0.0000
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Elec	UBUS - Oth	199.6	13,451.0	0	13,451.0	798.5				0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Gas	UBUS - Gas	0.0000	0.0024	0.0024	0	0.0001	0		0	0
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-NG	UBUS - NG	0.8250	29.8	29.8	0	3.30	0.0000			0.0000

Veh_Tech	TOG_DIURN	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX
All Vehicles	0.5938	0.1675	0.4953	1.93	0.1381	0.0816	0.3421	0.5617	0.5938	0.1675	0.4953	1.86	11.0	1.24	4.58	16.8	2.61	0.8145	1.01
All Other Buses-Dsl				0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0002		0.0006	0.0031	0.0001	0.0006
All Other Buses-NG				0.0003	0.0000	0.0000		0.0000				0.0000	0.0009	0.0001		0.0010	0.0000	0.0000	
LDA-Dsl				0.0000	0.0000			0.0000				0.0000	0.0007			0.0007	0.0001		
LDA-Elec				0				0				0				0			
LDA-Gas	0.2495	0.0439	0.1873	0.6695	0.0274		0.1359	0.1633	0.2495	0.0439	0.1873	0.6440	4.86		1.86	6.72	0.1914		0.1880
LDA-Phe	0.0114	0.0020	0.0044	0.0276	0.0005		0.0083	0.0088	0.0114	0.0020	0.0044	0.0266	0.0851		0.0637	0.1488	0.0012		0.0055
LDT1-Dsl				0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000		
LDT1-Elec				0				0				0				0			
LDT1-Gas	0.0222	0.0035	0.0165	0.0546	0.0017		0.0091	0.0108	0.0222	0.0035	0.0165	0.0530	0.3011		0.1213	0.4225	0.0119		0.0127
LDT1-Phe	0.0004	0.0001	0.0001	0.0009	0.0000		0.0003	0.0003	0.0004	0.0001	0.0001	0.0008	0.0027		0.0021	0.0047	0.0000		0.0002
LDT2-Dsl				0.0003	0.0002			0.0002				0.0002	0.0025			0.0025	0.0005		
LDT2-Elec				0				0				0				0			
LDT2-Gas	0.1524	0.0256	0.1143	0.4300	0.0199		0.0994	0.1192	0.1524	0.0256	0.1143	0.4115	2.98		1.30	4.28	0.1126		0.1283
LDT2-Phe	0.0036	0.0006	0.0013	0.0087	0.0002		0.0027	0.0028	0.0036	0.0006	0.0013	0.0084	0.0263		0.0204	0.0468	0.0004		0.0018
LHD1-Dsl				0.0100	0.0084	0.0003		0.0088				0.0159	0.0212	0.0027		0.0239	0.0241	0.0030	
LHD1-Elec				0				0				0				0			
LHD1-Gas	0.0103	0.0014	0.0140	0.0346	0.0006	0.0013	0.0057	0.0076	0.0103	0.0014	0.0140	0.0466	0.0954	0.0178	0.2318	0.3450	0.0024	0.0001	0.0272
LHD2-Dsl				0.0061	0.0052	0.0002		0.0054				0.0092	0.0133	0.0014		0.0147	0.0178	0.0017	
LHD2-Elec				0				0				0				0			
LHD2-Gas	0.0012	0.0002	0.0016	0.0036	0.0000	0.0001	0.0005	0.0007	0.0012	0.0002	0.0016	0.0048	0.0073	0.0019	0.0248	0.0340	0.0003	0.0000	0.0024
MCY-Gas	0.0374	0.0729	0.0790	0.2591	0.0406		0.0175	0.0580	0.0374	0.0729	0.0790	0.2473	0.5199		0.1557	0.6757	0.0248		0.0012
MDV-Dsl				0.0001	0.0001			0.0001				0.0001	0.0042			0.0042	0.0003		
MDV-Elec				0				0				0				0			
MDV-Gas	0.1010	0.0167	0.0745	0.2765	0.0128		0.0600	0.0728	0.1010	0.0167	0.0745	0.2649	1.84		0.7742	2.61	0.0659		0.0786
MDV-Phe	0.0024	0.0004	0.0009	0.0058	0.0001		0.0017	0.0018	0.0024	0.0004	0.0009	0.0056	0.0179		0.0131	0.0310	0.0003		0.0011
MH-Dsl				0.0003	0.0003			0.0003				0.0003	0.0008			0.0008	0.0086		
MH-Gas	0.0011	0.0002	0.0000	0.0014	0.0001		0.0000	0.0001	0.0011	0.0002	0.0000	0.0014	0.0010		0.0001	0.0011	0.0014		0.0000
Motor Coach-Dsl				0.0001	0.0000	0.0001		0.0001				0.0001	0.0001	0.0011		0.0012	0.0022	0.0003	0.0004
OBUS-Elec				0				0				0				0			
OBUS-Gas	0.0002	0.0000	0.0002	0.0007	0.0000	0.0000	0.0002	0.0002	0.0002	0.0000	0.0002	0.0009	0.0004	0.0003	0.0027	0.0035	0.0006	0.0000	0.0004
PTO-Dsl				0.0002	0.0002			0.0002				0.0003	0.0022			0.0022	0.0310		
PTO-Elec				0				0				0				0			
SBUS-Dsl				0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0013		0.0015	0.0011	0.0010	0.0014
SBUS-Elec				0				0				0				0			
SBUS-Gas	0.0002	0.0000	0.0002	0.0014	0.0000	0.0006	0.0001	0.0007	0.0002	0.0000	0.0002	0.0018	0.0006	0.0044	0.0017	0.0067	0.0004	0.0000	0.0002
SBUS-NG				0.0036	0.0000	0.0000		0.0001				0.0001	0.0075	0.0022		0.0097	0.0002	0.0003	
T6 CAIRP Class 4-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0000
T6 CAIRP Class 4-Elec				0				0				0				0			
T6 CAIRP Class 5-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001
T6 CAIRP Class 5-Elec				0				0				0				0			
T6 CAIRP Class 6-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0003	0.0001	0.0003
T6 CAIRP Class 6-Elec				0				0				0				0			
T6 CAIRP Class 7-Dsl				0.0001	0.0001	0.0000		0.0001				0.0001	0.0005	0.0002		0.0007	0.0034	0.0001	0.0007
T6 CAIRP Class 7-Elec				0				0				0				0			
T6 Instate Delivery Class 4-Dsl				0.0001	0.0000	0.0000		0.0001				0.0001	0.0003	0.0012		0.0014	0.0019	0.0009	0.0024
T6 Instate Delivery Class 4-Elec				0				0				0				0			
T6 Instate Delivery Class 5-Dsl				0.0000	0.0000	0.0000		0.0000				0.0001	0.0002	0.0008		0.0009	0.0012	0.0006	0.0015
T6 Instate Delivery Class 5-Elec				0				0				0				0			
T6 Instate Delivery Class 6-Dsl				0.0002	0.0001	0.0001		0.0002				0.0004	0.0008	0.0033		0.0041	0.0053	0.0026	0.0067
T6 Instate Delivery Class 6-Elec				0				0				0				0			
T6 Instate Delivery Class 7-Dsl				0.0001	0.0000	0.0000		0.0001				0.0001	0.0004	0.0008		0.0012	0.0030	0.0008	0.0021
T6 Instate Delivery Class 7-Elec				0				0				0				0			
T6 Instate Delivery Class 7-NG				0.0002	0.0000	0.0000		0.0000				0.0000	0.0007	0.0001		0.0009	0.0000	0.0000	
T6 Instate Other Class 4-Dsl				0.0001	0.0001	0.0001		0.0001				0.0003	0.0005	0.0023		0.0028	0.0031	0.0018	0.0040
T6 Instate Other Class 4-Elec				0				0				0				0			
T6 Instate Other Class 5-Dsl				0.0004	0.0002	0.0002		0.0003				0.0007	0.0014	0.0065		0.0078	0.0086	0.0051	0.0112
T6 Instate Other Class 5-Elec				0				0				0				0			
T6 Instate Other Class 6-Dsl				0.0003	0.0001	0.0001		0.0002				0.0006	0.0010	0.0048		0.0058	0.0065	0.0038	0.0084
T6 Instate Other Class 6-Elec				0				0				0				0			
T6 Instate Other Class 7-Dsl				0.0003	0.0001	0.0001		0.0002				0.0004	0.0010	0.0039		0.0049	0.0084	0.0039	0.0085
T6 Instate Other Class 7-Elec				0				0				0				0			
T6 Instate Other Class 7-NG				0.0005	0.0000	0.0000		0.0000				0.0000	0.0014	0.0005		0.0019	0.0000	0.0001	
T6 Instate Tractor Class 6-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001	0.0000	0.0001
T6 Instate Tractor Class 6-Elec				0				0				0				0			
T6 Instate Tractor Class 7-Dsl				0.0006	0.0003	0.0002		0.0005				0.0006	0.0025	0.0067		0.0092	0.0179	0.0065	0.0137
T6 Instate Tractor Class 7-Elec				0				0				0				0			
T6 Instate Tractor Class 7-NG				0.0012	0.0000	0.0000		0.0000				0.0000	0.0035	0.0009		0.0044	0.0001	0.0001	
T6 OOS Class 4-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001
T6 OOS Class 5-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001
T6 OOS Class 6-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0005	0.0001	0.0006
T6 OOS Class 7-Dsl				0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0001		0.0006	0.0035	0.0002	0.0008
T6 Public Class 4-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0002		0.0002	0.0002	0.0001	0.0001
T6 Public Class 4-Elec				0				0				0				0			
T6 Public Class 4-NG				0.0001	0.0000	0.0000		0.0000				0.0000	0.0002	0.0001		0.0003	0.0000	0.0000	
T6 Public Class 5-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0004		0.0005	0.0006	0.0004	0.0003

Veh_Tech	TOG_DIURN	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX
T6 Public Class 5-Elec				0				0				0				0			
T6 Public Class 5-NG				0.0003	0.0000	0.0000		0.0000				0.0000	0.0006	0.0003		0.0009	0.0000	0.0000	
T6 Public Class 6-Dsl				0.0000	0.0000	0.0000		0.0000				0.0001	0.0001	0.0007		0.0008	0.0008	0.0006	0.0004
T6 Public Class 6-Elec				0				0				0				0			
T6 Public Class 6-NG				0.0004	0.0000	0.0000		0.0000				0.0000	0.0009	0.0005		0.0014	0.0000	0.0001	
T6 Public Class 7-Dsl				0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0010		0.0012	0.0012	0.0010	0.0007
T6 Public Class 7-Elec				0				0				0				0			
T6 Public Class 7-NG				0.0007	0.0000	0.0000		0.0000				0.0000	0.0016	0.0007		0.0024	0.0000	0.0001	
T6 Utility Class 5-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001	0.0001	0.0001
T6 Utility Class 5-Elec				0				0				0				0			
T6 Utility Class 5-NG				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	
T6 Utility Class 6-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
T6 Utility Class 6-Elec				0				0				0				0			
T6 Utility Class 6-NG				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	
T6 Utility Class 7-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000
T6 Utility Class 7-Elec				0				0				0				0			
T6 Utility Class 7-NG				0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	
T6TS-Elec				0				0				0				0			
T6TS-Gas	0.0005	0.0001	0.0010	0.0031	0.0001	0.0003	0.0009	0.0013	0.0005	0.0001	0.0010	0.0046	0.0022	0.0038	0.0157	0.0217	0.0008	0.0000	0.0023
T7 CAIRP Class 8-Dsl				0.0275	0.0045	0.0197		0.0241				0.0309	0.0151	0.2905		0.3056	0.4715	0.1508	0.0681
T7 CAIRP Class 8-Elec				0				0				0				0			
T7 NNOOS Class 8-Dsl				0.0383	0.0066	0.0270		0.0337				0.0337	0.0224	0.3996		0.4220	0.7947	0.3196	0.1140
T7 NOOS Class 8-Dsl				0.0161	0.0025	0.0117		0.0141				0.0141	0.0084	0.1722		0.1806	0.2971	0.1377	0.0491
T7 Other Port Class 8-Dsl				0.0002	0.0001	0.0001		0.0001				0.0002	0.0004	0.0012		0.0016	0.0073	0.0007	0.0007
T7 Other Port Class 8-Elec				0				0				0				0			
T7 POAK Class 8-Dsl				0.0007	0.0002	0.0005		0.0006				0.0007	0.0010	0.0067		0.0077	0.0196	0.0038	0.0040
T7 POAK Class 8-Elec				0				0				0				0			
T7 POLA Class 8-Dsl				0.0007	0.0002	0.0004		0.0006				0.0007	0.0014	0.0057		0.0071	0.0286	0.0034	0.0036
T7 POLA Class 8-Elec				0				0				0				0			
T7 POLA Class 8-NG				0.0001	0.0000	0.0000		0.0000				0.0000	0.0005	0.0001		0.0006	0.0000	0.0000	
T7 Public Class 8-Dsl				0.0005	0.0002	0.0003		0.0005				0.0007	0.0012	0.0039		0.0051	0.0137	0.0025	0.0060
T7 Public Class 8-Elec				0				0				0				0			
T7 Public Class 8-NG				0.0026	0.0000	0.0000		0.0000				0.0001	0.0096	0.0015		0.0111	0.0003	0.0002	
T7 SWCV Class 8-Dsl				0.0001	0.0001	0.0000		0.0001				0.0002	0.0001	0.0006		0.0007	0.0028	0.0005	0.0007
T7 SWCV Class 8-Elec				0				0				0				0			
T7 SWCV Class 8-NG				0.0033	0.0001	0.0000		0.0001				0.0001	0.0760	0.0042		0.0802	0.0017	0.0001	
T7 Single Concrete/Transit Mix Class 8-Dsl				0.0001	0.0000	0.0001		0.0001				0.0003	0.0001	0.0014		0.0016	0.0027	0.0007	0.0011
T7 Single Concrete/Transit Mix Class 8-Elec				0				0				0				0			
T7 Single Concrete/Transit Mix Class 8-NG				0.0002	0.0000	0.0000		0.0000				0.0000	0.0005	0.0002		0.0007	0.0000	0.0000	
T7 Single Dump Class 8-Dsl				0.0008	0.0001	0.0006		0.0007				0.0013	0.0008	0.0081		0.0089	0.0152	0.0043	0.0071
T7 Single Dump Class 8-Elec				0				0				0				0			
T7 Single Dump Class 8-NG				0.0009	0.0000	0.0000		0.0000				0.0000	0.0023	0.0009		0.0032	0.0001	0.0001	
T7 Single Other Class 8-Dsl				0.0031	0.0004	0.0023		0.0027				0.0052	0.0021	0.0338		0.0359	0.0421	0.0174	0.0290
T7 Single Other Class 8-Elec				0				0				0				0			
T7 Single Other Class 8-NG				0.0029	0.0000	0.0000		0.0000				0.0001	0.0066	0.0038		0.0104	0.0003	0.0005	
T7 Tractor Class 8-Dsl				0.0207	0.0029	0.0153		0.0182				0.0217	0.0136	0.2256		0.2393	0.3362	0.1344	0.2129
T7 Tractor Class 8-Elec				0				0				0				0			
T7 Tractor Class 8-NG				0.0081	0.0001	0.0000		0.0001				0.0001	0.0167	0.0109		0.0276	0.0007	0.0015	
T7 Utility Class 8-Dsl				0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0006	0.0001	0.0007
T7 Utility Class 8-Elec				0				0				0				0			
T7IS-Elec				0				0				0				0			
T7IS-Gas	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0013		0.0000	0.0014	0.0001		0.0000
UBUS-Dsl				0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000		
UBUS-Elec				0				0				0				0			
UBUS-Gas	0	0	0	0	0		0	0	0	0	0	0	0.0000		0.0000	0.0000	0		0
UBUS-NG				0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000		

Veh_Tech	NOx_TOTEX	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX
All Vehicles	5.77	0.0575	0.0005	0.0019	0.0599	0.2445	0.3708	0.7139	0.0546	0.0005	0.0018	0.0569	0.0611	0.1298	0.2669	0.0710
All Other Buses-Dsl	0.0049	0.0000	0.0000		0.0000	0.0000	0.0002	0.0002	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000
All Other Buses-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
LDA-Dsl	0.0001	0.0000			0.0000	0.0000	0.0000	0.0001	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
LDA-Elec	0				0	0.0102	0.0056	0.0158				0	0.0026	0.0020	0.0045	
LDA-Gas	0.3794	0.0046		0.0009	0.0055	0.0779	0.0739	0.1574	0.0042		0.0008	0.0051	0.0195	0.0259	0.0504	0.0216
LDA-Phe	0.0068	0.0001		0.0000	0.0001	0.0037	0.0019	0.0057	0.0001		0.0000	0.0001	0.0009	0.0006	0.0017	0.0005
LDT1-Dsl	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
LDT1-Elec	0				0	0.0001	0.0001	0.0002				0	0.0000	0.0000	0.0001	
LDT1-Gas	0.0246	0.0003		0.0001	0.0003	0.0046	0.0052	0.0101	0.0003		0.0001	0.0003	0.0012	0.0018	0.0033	0.0015
LDT1-Phe	0.0002	0.0000		0.0000	0.0000	0.0001	0.0001	0.0002	0.0000		0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
LDT2-Dsl	0.0005	0.0001			0.0001	0.0002	0.0002	0.0004	0.0001			0.0001	0.0000	0.0001	0.0002	0.0000
LDT2-Elec	0				0	0.0011	0.0006	0.0018				0	0.0003	0.0002	0.0005	
LDT2-Gas	0.2409	0.0025		0.0005	0.0030	0.0409	0.0457	0.0895	0.0023		0.0005	0.0027	0.0102	0.0160	0.0289	0.0135
LDT2-Phe	0.0022	0.0000		0.0000	0.0000	0.0011	0.0006	0.0018	0.0000		0.0000	0.0000	0.0003	0.0002	0.0005	0.0002
LHD1-Dsl	0.0447	0.0018	0.0001		0.0019	0.0012	0.0076	0.0199	0.0017	0.0001		0.0018	0.0003	0.0026	0.0087	0.0006
LHD1-Elec	0				0	0.0019	0.0094	0.0000				0	0.0005	0.0033	0.0000	
LHD1-Gas	0.0507	0.0002		0.0000	0.0002	0.0013	0.0125	0.0274	0.0002		0.0000	0.0002	0.0003	0.0044	0.0096	0.0012
LHD2-Dsl	0.0288	0.0012	0.0000		0.0012	0.0006	0.0042	0.0109	0.0011	0.0000		0.0011	0.0001	0.0015	0.0049	0.0003
LHD2-Elec	0				0	0.0004	0.0025	0.0000				0	0.0001	0.0009	0.0000	
LHD2-Gas	0.0047	0.0000		0.0000	0.0000	0.0001	0.0015	0.0032	0.0000		0.0000	0.0000	0.0000	0.0005	0.0011	0.0001
MCY-Gas	0.0260	0.0001		0.0001	0.0002	0.0002	0.0006	0.0011	0.0001		0.0001	0.0002	0.0001	0.0002	0.0005	0.0001
MDV-Dsl	0.0003	0.0000			0.0000	0.0002	0.0003	0.0006	0.0000			0.0000	0.0001	0.0001	0.0002	0.0001
MDV-Elec	0				0	0.0010	0.0006	0.0016				0	0.0003	0.0002	0.0005	
MDV-Gas	0.1445	0.0016		0.0003	0.0019	0.0225	0.0309	0.0552	0.0014		0.0003	0.0017	0.0056	0.0108	0.0181	0.0092
MDV-Phe	0.0014	0.0000		0.0000	0.0000	0.0007	0.0004	0.0011	0.0000		0.0000	0.0000	0.0002	0.0001	0.0003	0.0001
MH-Dsl	0.0086	0.0001			0.0001	0.0001	0.0002	0.0003	0.0001			0.0001	0.0000	0.0001	0.0001	0.0000
MH-Gas	0.0014	0.0000		0.0000	0.0000	0.0001	0.0003	0.0004	0.0000		0.0000	0.0000	0.0000	0.0001	0.0001	0.0001
Motor Coach-Dsl	0.0050	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000		0.0001	0.0000	0.0001	0.0001	0.0000
OBUS-Elec	0				0	0.0000	0.0001	0.0000				0	0.0000	0.0000	0.0000	
OBUS-Gas	0.0036	0.0000		0.0000	0.0000	0.0000	0.0001	0.0003	0.0000		0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
PTO-Dsl	0.0724	0.0000			0.0000			0.0001	0.0000			0.0000			0.0001	0.0002
PTO-Elec	0				0			0				0			0	
SBUS-Dsl	0.0101	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000
SBUS-Elec	0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001	0.0000	
SBUS-Gas	0.0017	0.0000		0.0000	0.0000	0.0000	0.0001	0.0003	0.0000		0.0000	0.0000	0.0000	0.0000	0.0001	0.0000
SBUS-NG	0.0009	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	
T6 CAIRP Class 4-Dsl	0.0005	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 CAIRP Class 4-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 CAIRP Class 5-Dsl	0.0006	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 CAIRP Class 5-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 CAIRP Class 6-Dsl	0.0021	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000
T6 CAIRP Class 6-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 CAIRP Class 7-Dsl	0.0073	0.0001	0.0000		0.0001	0.0002	0.0007	0.0014	0.0001	0.0000		0.0001	0.0001	0.0003	0.0005	0.0001
T6 CAIRP Class 7-Elec	0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000	0.0000	
T6 Instate Delivery Class 4-Dsl	0.0173	0.0000	0.0000		0.0000	0.0001	0.0003	0.0008	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0001
T6 Instate Delivery Class 4-Elec	0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001	0.0000	
T6 Instate Delivery Class 5-Dsl	0.0113	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000
T6 Instate Delivery Class 5-Elec	0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000	0.0000	
T6 Instate Delivery Class 6-Dsl	0.0491	0.0000	0.0000		0.0000	0.0002	0.0007	0.0022	0.0000	0.0000		0.0000	0.0000	0.0003	0.0008	0.0002
T6 Instate Delivery Class 6-Elec	0				0	0.0002	0.0005	0.0000				0	0.0001	0.0002	0.0000	
T6 Instate Delivery Class 7-Dsl	0.0117	0.0000	0.0000		0.0000	0.0001	0.0003	0.0006	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0001
T6 Instate Delivery Class 7-Elec	0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000	0.0000	
T6 Instate Delivery Class 7-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Instate Other Class 4-Dsl	0.0302	0.0000	0.0000		0.0000	0.0001	0.0005	0.0017	0.0000	0.0000		0.0000	0.0000	0.0002	0.0006	0.0001
T6 Instate Other Class 4-Elec	0				0	0.0002	0.0004	0.0000				0	0.0000	0.0001	0.0000	
T6 Instate Other Class 5-Dsl	0.0852	0.0001	0.0000		0.0001	0.0004	0.0015	0.0047	0.0001	0.0000		0.0001	0.0001	0.0005	0.0017	0.0003
T6 Instate Other Class 5-Elec	0				0	0.0005	0.0010	0.0000				0	0.0001	0.0004	0.0000	
T6 Instate Other Class 6-Dsl	0.0634	0.0001	0.0000		0.0001	0.0003	0.0011	0.0035	0.0001	0.0000		0.0001	0.0001	0.0004	0.0013	0.0002
T6 Instate Other Class 6-Elec	0				0	0.0004	0.0007	0.0000				0	0.0001	0.0003	0.0000	
T6 Instate Other Class 7-Dsl	0.0426	0.0001	0.0000		0.0001	0.0002	0.0009	0.0023	0.0001	0.0000		0.0001	0.0001	0.0003	0.0009	0.0002
T6 Instate Other Class 7-Elec	0				0	0.0002	0.0004	0.0000				0	0.0001	0.0001	0.0000	
T6 Instate Other Class 7-NG	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Instate Tractor Class 6-Dsl	0.0007	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 Instate Tractor Class 6-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 Instate Tractor Class 7-Dsl	0.0590	0.0002	0.0000		0.0002	0.0006	0.0023	0.0039	0.0002	0.0000		0.0002	0.0002	0.0008	0.0014	0.0004
T6 Instate Tractor Class 7-Elec	0				0	0.0002	0.0003	0.0000				0	0.0000	0.0001	0.0000	
T6 Instate Tractor Class 7-NG	0.0002	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 OOS Class 4-Dsl	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 5-Dsl	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 6-Dsl	0.0012	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 7-Dsl	0.0045	0.0001	0.0000		0.0001	0.0002	0.0007	0.0009	0.0001	0.0000		0.0001	0.0000	0.0002	0.0004	0.0001
T6 Public Class 4-Dsl	0.0010	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 Public Class 4-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 Public Class 4-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Public Class 5-Dsl	0.0032	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000

Veh_Tech	NOx_TOTEX	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX
T6 Public Class 5-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 Public Class 5-NG	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Public Class 6-Dsl	0.0047	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000
T6 Public Class 6-Elec	0				0	0.0000	0.0001	0.0000				0	0.0000	0.0000	0.0000	
T6 Public Class 6-NG	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Public Class 7-Dsl	0.0062	0.0000	0.0000		0.0000	0.0000	0.0002	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000
T6 Public Class 7-Elec	0				0	0.0000	0.0001	0.0000				0	0.0000	0.0000	0.0000	
T6 Public Class 7-NG	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 5-Dsl	0.0013	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 5-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 Utility Class 5-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 6-Dsl	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 6-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 Utility Class 6-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0		0.0000	0.0000	0.0000	0.0000	
T6 Utility Class 7-Dsl	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 7-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T6 Utility Class 7-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T6TS-Elec	0				0	0.0002	0.0004	0.0000				0	0.0001	0.0001	0.0000	
T6TS-Gas	0.0104	0.0000		0.0000	0.0000	0.0002	0.0006	0.0017	0.0000		0.0000	0.0000	0.0000	0.0002	0.0006	0.0002
T7 CAIRP Class 8-Dsl	1.1143	0.0116	0.0001		0.0117	0.0141	0.0321	0.0749	0.0111	0.0001		0.0112	0.0035	0.0112	0.0337	0.0047
T7 CAIRP Class 8-Elec	0				0	0.0041	0.0046	0.0000				0	0.0010	0.0016	0.0000	
T7 NNOOS Class 8-Dsl	1.23	0.0175	0.0001		0.0176	0.0215	0.0489	0.0881	0.0167	0.0001		0.0168	0.0054	0.0171	0.0394	0.0069
T7 NOOS Class 8-Dsl	0.4839	0.0067	0.0000		0.0068	0.0078	0.0178	0.0324	0.0064	0.0000		0.0065	0.0020	0.0062	0.0147	0.0025
T7 Other Port Class 8-Dsl	0.0126	0.0001	0.0000		0.0001	0.0002	0.0006	0.0011	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001
T7 Other Port Class 8-Elec	0				0	0.0001	0.0001	0.0000				0	0.0000	0.0000	0.0000	
T7 POAK Class 8-Dsl	0.0399	0.0003	0.0000		0.0003	0.0006	0.0014	0.0028	0.0002	0.0000		0.0003	0.0001	0.0005	0.0011	0.0002
T7 POAK Class 8-Elec	0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001	0.0000	
T7 POLA Class 8-Dsl	0.0483	0.0004	0.0000		0.0004	0.0007	0.0019	0.0037	0.0004	0.0000		0.0004	0.0002	0.0007	0.0015	0.0003
T7 POLA Class 8-Elec	0				0	0.0001	0.0002	0.0000				0	0.0000	0.0001	0.0000	
T7 POLA Class 8-NG	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T7 Public Class 8-Dsl	0.0444	0.0001	0.0000		0.0001	0.0003	0.0010	0.0025	0.0001	0.0000		0.0001	0.0001	0.0003	0.0009	0.0001
T7 Public Class 8-Elec	0				0	0.0003	0.0005	0.0000				0	0.0001	0.0002	0.0000	
T7 Public Class 8-NG	0.0010	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	
T7 SWCV Class 8-Dsl	0.0054	0.0000	0.0000		0.0000	0.0001	0.0004	0.0009	0.0000	0.0000		0.0000	0.0000	0.0002	0.0003	0.0001
T7 SWCV Class 8-Elec	0				0	0.0003	0.0009	0.0000				0	0.0001	0.0003	0.0000	
T7 SWCV Class 8-NG	0.0023	0.0000	0.0000		0.0000	0.0003	0.0016	0.0035	0.0000	0.0000		0.0000	0.0001	0.0006	0.0012	
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0146	0.0000	0.0000		0.0000	0.0001	0.0003	0.0011	0.0000	0.0000		0.0000	0.0000	0.0001	0.0004	0.0000
T7 Single Concrete/Transit Mix Class 8-Elec	0				0	0.0002	0.0002	0.0000				0	0.0000	0.0001	0.0000	
T7 Single Concrete/Transit Mix Class 8-NG	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T7 Single Dump Class 8-Dsl	0.0641	0.0002	0.0000		0.0003	0.0005	0.0013	0.0042	0.0002	0.0000		0.0002	0.0001	0.0005	0.0016	0.0002
T7 Single Dump Class 8-Elec	0				0	0.0006	0.0007	0.0000				0	0.0001	0.0002	0.0000	
T7 Single Dump Class 8-NG	0.0004	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	
T7 Single Other Class 8-Dsl	0.2281	0.0007	0.0000		0.0007	0.0016	0.0039	0.0129	0.0007	0.0000		0.0007	0.0004	0.0014	0.0051	0.0006
T7 Single Other Class 8-Elec	0				0	0.0018	0.0023	0.0000				0	0.0005	0.0008	0.0000	
T7 Single Other Class 8-NG	0.0015	0.0000	0.0000		0.0000	0.0001	0.0001	0.0004	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	
T7 Tractor Class 8-Dsl	0.9964	0.0062	0.0001		0.0063	0.0104	0.0248	0.0503	0.0059	0.0001		0.0060	0.0026	0.0087	0.0210	0.0035
T7 Tractor Class 8-Elec	0				0	0.0022	0.0027	0.0000				0	0.0006	0.0009	0.0000	
T7 Tractor Class 8-NG	0.0026	0.0000	0.0000		0.0000	0.0002	0.0004	0.0007	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	
T7 Utility Class 8-Dsl	0.0034	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000
T7 Utility Class 8-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T7IS-Elec	0				0	0.0000	0.0000	0.0000				0	0.0000	0.0000	0.0000	
T7IS-Gas	0.0004	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
UBUS-Dsl	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000
UBUS-Elec	0				0	0.0003	0.0008	0.0012				0	0.0001	0.0003	0.0004	
UBUS-Gas	0	0		0	0	0	0.0000	0.0000	0		0	0	0	0	0	0
UBUS-NG	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	

Veh_Tech	SOx_IDLEX	SOx_STREX	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	0.0015	0.0014	0.0739	1.24	530.7	227.5	3.12
All Other Buses-Dsl	0.0000		0.0000	0.0008		0.3233	
All Other Buses-NG			0	0.0003			0.0295
LDA-Dsl			0.0000	0.0000		0.0890	
LDA-Elec			0				
LDA-Gas		0.0006	0.0222	0.4086	236.9		
LDA-Phe		0.0000	0.0005	0.0079	5.84		
LDT1-Dsl			0.0000	0.0000		0.0002	
LDT1-Elec			0				
LDT1-Gas		0.0000	0.0015	0.0241	16.1		
LDT1-Phe		0.0000	0.0000	0.0002	0.1848		
LDT2-Dsl			0.0000	0.0001		0.4294	
LDT2-Elec			0				
LDT2-Gas		0.0004	0.0140	0.2141	148.8		
LDT2-Phe		0.0000	0.0002	0.0024	1.83		
LHD1-Dsl	0.0000		0.0006	0.0211		5.22	
LHD1-Elec			0				
LHD1-Gas	0.0000	0.0000	0.0012	0.0072	12.7		
LHD2-Dsl	0.0000		0.0003	0.0099		2.95	
LHD2-Elec			0				
LHD2-Gas	0.0000	0.0000	0.0001	0.0007	1.00		
MCY-Gas		0.0000	0.0001	0.0005	1.12		
MDV-Dsl			0.0001	0.0001		0.8777	
MDV-Elec			0				
MDV-Gas		0.0003	0.0095	0.1175	101.0		
MDV-Phe		0.0000	0.0001	0.0015	1.21		
MH-Dsl			0.0000	0.0007		0.3369	
MH-Gas		0.0000	0.0001	0.0003	1.25		
Motor Coach-Dsl	0.0000		0.0000	0.0005		0.3457	
OBUS-Elec			0				
OBUS-Gas	0.0000	0.0000	0.0000	0.0001	0.3643		
PTO-Dsl			0.0002	0.0028		1.96	
PTO-Elec			0				
SBUS-Dsl	0.0000		0.0000	0.0009		0.3897	
SBUS-Elec			0				
SBUS-Gas	0.0000	0.0000	0.0000	0.0001	0.2326		
SBUS-NG			0	0.0013			0.1834
T6 CAIRP Class 4-Dsl	0.0000		0.0000	0.0001		0.0372	
T6 CAIRP Class 4-Elec			0				
T6 CAIRP Class 5-Dsl	0.0000		0.0000	0.0001		0.0511	
T6 CAIRP Class 5-Elec			0				
T6 CAIRP Class 6-Dsl	0.0000		0.0000	0.0003		0.1337	
T6 CAIRP Class 6-Elec			0				
T6 CAIRP Class 7-Dsl	0.0000		0.0001	0.0038		1.40	
T6 CAIRP Class 7-Elec			0				
T6 Instate Delivery Class 4-Dsl	0.0000		0.0001	0.0012		0.5317	
T6 Instate Delivery Class 4-Elec			0				
T6 Instate Delivery Class 5-Dsl	0.0000		0.0000	0.0008		0.3461	
T6 Instate Delivery Class 5-Elec			0				
T6 Instate Delivery Class 6-Dsl	0.0000		0.0002	0.0034		1.50	
T6 Instate Delivery Class 6-Elec			0				
T6 Instate Delivery Class 7-Dsl	0.0000		0.0001	0.0013		0.5756	
T6 Instate Delivery Class 7-Elec			0				
T6 Instate Delivery Class 7-NG			0	0.0002			0.0249
T6 Instate Other Class 4-Dsl	0.0000		0.0001	0.0026		1.12	
T6 Instate Other Class 4-Elec			0				
T6 Instate Other Class 5-Dsl	0.0000		0.0003	0.0074		3.16	
T6 Instate Other Class 5-Elec			0				
T6 Instate Other Class 6-Dsl	0.0000		0.0002	0.0055		2.35	
T6 Instate Other Class 6-Elec			0				
T6 Instate Other Class 7-Dsl	0.0000		0.0002	0.0046		1.96	
T6 Instate Other Class 7-Elec			0				
T6 Instate Other Class 7-NG			0	0.0005			0.0599
T6 Instate Tractor Class 6-Dsl	0.0000		0.0000	0.0001		0.0305	
T6 Instate Tractor Class 6-Elec			0				
T6 Instate Tractor Class 7-Dsl	0.0000		0.0005	0.0113		4.37	
T6 Instate Tractor Class 7-Elec			0				
T6 Instate Tractor Class 7-NG			0	0.0014			0.1453
T6 OOS Class 4-Dsl	0.0000		0.0000	0.0001		0.0505	
T6 OOS Class 5-Dsl	0.0000		0.0000	0.0002		0.0692	
T6 OOS Class 6-Dsl	0.0000		0.0000	0.0005		0.1813	
T6 OOS Class 7-Dsl	0.0000		0.0001	0.0034		1.18	
T6 Public Class 4-Dsl	0.0000		0.0000	0.0001		0.0514	
T6 Public Class 4-Elec			0				
T6 Public Class 4-NG			0	0.0001			0.0093
T6 Public Class 5-Dsl	0.0000		0.0000	0.0003		0.1454	

Veh_Tech	SOx_IDLEX	SOx_STREX	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Public Class 5-Elec			0				
T6 Public Class 5-NG			0	0.0002			0.0272
T6 Public Class 6-Dsl	0.0000		0.0000	0.0005		0.2229	
T6 Public Class 6-Elec			0				
T6 Public Class 6-NG			0	0.0003			0.0400
T6 Public Class 7-Dsl	0.0000		0.0000	0.0008		0.3806	
T6 Public Class 7-Elec			0				
T6 Public Class 7-NG			0	0.0006			0.0703
T6 Utility Class 5-Dsl	0.0000		0.0000	0.0001		0.0538	
T6 Utility Class 5-Elec			0				
T6 Utility Class 5-NG			0	0.0000			0.0001
T6 Utility Class 6-Dsl	0.0000		0.0000	0.0000		0.0102	
T6 Utility Class 6-Elec			0				
T6 Utility Class 6-NG			0	0.0000			0.0000
T6 Utility Class 7-Dsl	0.0000		0.0000	0.0000		0.0139	
T6 Utility Class 7-Elec			0				
T6 Utility Class 7-NG			0	0.0000			0.0000
T6TS-Elec			0				
T6TS-Gas	0.0000	0.0000	0.0002	0.0006	2.08		
T7 CAIRP Class 8-Dsl	0.0004		0.0051	0.0863		48.1	
T7 CAIRP Class 8-Elec			0				
T7 NNOOS Class 8-Dsl	0.0005		0.0074	0.1315		69.7	
T7 NOOS Class 8-Dsl	0.0002		0.0027	0.0478		25.6	
T7 Other Port Class 8-Dsl	0.0000		0.0001	0.0013		0.7315	
T7 Other Port Class 8-Elec			0				
T7 POAK Class 8-Dsl	0.0000		0.0002	0.0034		1.94	
T7 POAK Class 8-Elec			0				
T7 POLA Class 8-Dsl	0.0000		0.0003	0.0046		2.61	
T7 POLA Class 8-Elec			0				
T7 POLA Class 8-NG			0	0.0001			0.0143
T7 Public Class 8-Dsl	0.0000		0.0001	0.0020		1.35	
T7 Public Class 8-Elec			0				
T7 Public Class 8-NG			0	0.0013			0.2181
T7 SWCV Class 8-Dsl	0.0000		0.0001	0.0004		0.6452	
T7 SWCV Class 8-Elec			0				
T7 SWCV Class 8-NG			0	0.0045			1.25
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0000		0.0000	0.0008		0.4571	
T7 Single Concrete/Transit Mix Class 8-Elec			0				
T7 Single Concrete/Transit Mix Class 8-NG			0	0.0001			0.0181
T7 Single Dump Class 8-Dsl	0.0000		0.0002	0.0032		2.03	
T7 Single Dump Class 8-Elec			0				
T7 Single Dump Class 8-NG			0	0.0006			0.0809
T7 Single Other Class 8-Dsl	0.0000		0.0007	0.0097		6.15	
T7 Single Other Class 8-Elec			0				
T7 Single Other Class 8-NG			0	0.0017			0.2542
T7 Tractor Class 8-Dsl	0.0003		0.0037	0.0634		35.2	
T7 Tractor Class 8-Elec			0				
T7 Tractor Class 8-NG			0	0.0048			0.6862
T7 Utility Class 8-Dsl	0.0000		0.0000	0.0001		0.0841	
T7 Utility Class 8-Elec			0				
T7IS-Elec			0				
T7IS-Gas		0.0000	0.0000	0.0000	0.0084		
UBUS-Dsl			0.0000	0.0000		0.0005	
UBUS-Elec			0				
UBUS-Gas		0	0	0.0000	0.0000		
UBUS-NG			0	0.0000			0.0030

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category	Population	Total_VMT	cVMT	eVMT	Trips	TOG_RUNEX	TOG_IDLEX	TOG_STREX	TOG_TOTEX	TOG_DIURN
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-Dsl	All Other Buses - Dsl	71.1	3,155.6	3,155.6	0	632.5	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Dsl	LDA - Dsl	140.0	5,093.7	5,093.7	0	629.0	0.0000			0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Dsl	LDT1 - Dsl	0.1694	6.28	6.28	0	0.7762	0.0000			0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Dsl	LDT2 - Dsl	472.5	17,735.3	17,735.3	0	2,172.4	0.0003			0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Dsl	LHD1 - Dsl	2,722.0	88,013.5	88,013.5	0	34,239.9	0.0096	0.0004		0.0100	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Dsl	LHD2 - Dsl	1,390.6	42,250.8	42,250.8	0	17,491.6	0.0059	0.0002		0.0061	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Dsl	MDV - Dsl	813.5	27,753.2	27,753.2	0	3,660.3	0.0001			0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Dsl	MH - Dsl	346.2	3,138.5	3,138.5	0	34.6	0.0003			0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	Motor Coach-Dsl	Motor Coach - Dsl	17.5	2,208.8	2,208.8	0	402.2	0.0000	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Dsl	PTO-Dsl		11,609.4	11,609.4	0		0.0002			0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Dsl	SBUS - Dsl	168.6	3,583.0	3,583.0	0	2,440.8	0.0000	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	5.11	371.1	371.1	0	117.4	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	6.27	509.4	509.4	0	144.1	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	28.6	1,328.7	1,328.7	0	656.9	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	78.4	15,867.2	15,867.2	0	1,802.5	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	149.1	4,960.8	4,960.8	0	2,128.1	0.0000	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	97.0	3,227.2	3,227.2	0	1,384.1	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	421.1	14,007.5	14,007.5	0	6,008.7	0.0001	0.0001		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	105.3	5,358.7	5,358.7	0	1,502.6	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	274.1	10,786.9	10,786.9	0	3,168.5	0.0001	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	773.0	30,440.5	30,440.5	0	8,936.2	0.0002	0.0002		0.0004	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	575.2	22,631.0	22,631.0	0	6,648.9	0.0002	0.0001		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	464.4	18,817.9	18,817.9	0	5,368.7	0.0002	0.0001		0.0003	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	6.46	296.4	296.4	0	74.7	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	803.3	46,802.1	46,802.1	0	9,285.8	0.0004	0.0002		0.0006	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl	7.33	535.3	535.3	0	168.3	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl	9.00	734.3	734.3	0	206.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl	40.9	1,918.7	1,918.7	0	940.4	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	50.3	13,951.6	13,951.6	0	1,155.2	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl	13.0	452.6	452.6	0	66.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl	36.8	1,273.8	1,273.8	0	188.7	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl	56.7	1,958.7	1,958.7	0	290.7	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl	81.1	3,429.5	3,429.5	0	416.2	0.0000	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl	13.0	520.3	520.3	0	165.9	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl	2.45	98.3	98.3	0	31.4	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl	2.72	135.4	135.4	0	34.8	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1,709.4	355,724.4	355,724.4	0	39,281.9	0.0051	0.0224		0.0275	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1,894.5	542,285.8	542,285.8	0	43,535.7	0.0076	0.0308		0.0383	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	816.2	197,002.8	197,002.8	0	18,755.3	0.0028	0.0133		0.0161	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	22.3	5,312.8	5,312.8	0	364.9	0.0001	0.0001		0.0002	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl	120.0	13,863.1	13,863.1	0	1,963.0	0.0002	0.0005		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl	102.7	18,849.2	18,849.2	0	1,680.1	0.0003	0.0004		0.0007	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl	205.1	8,322.6	8,322.6	0	1,052.0	0.0002	0.0003		0.0005	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	29.8	1,930.5	1,930.5	0	136.9	0.0001	0.0000		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	46.2	3,097.8	3,097.8	0	435.3	0.0000	0.0001		0.0001	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl	268.0	13,324.4	13,324.4	0	2,524.9	0.0002	0.0006		0.0008	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl	1,113.8	39,999.6	39,999.6	0	10,492.1	0.0005	0.0026		0.0031	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	4,008.5	261,273.0	261,273.0	0	58,243.5	0.0033	0.0174		0.0207	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl	13.2	546.8	546.8	0	168.9	0.0000	0.0000		0.0000	
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Dsl	UBUS - Dsl	0.2048	7.39	7.39	0	0.8191	0.0000			0.0000	
								TOTALs	**20,592.5**	**1,866,502.1**	**1,866,502.1**	**0.0**	**291,231.9**	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**

Veh_Tech	TOG_HTSK	TOG_RUNLS	TOG_TOTAL	ROG_RUNEX	ROG_IDLEX	ROG_STREX	ROG_TOTEX	ROG_DIURN	ROG_HTSK	ROG_RUNLS	ROG_TOTAL	CO_RUNEX	CO_IDLEX	CO_STREX	CO_TOTEX	NOx_RUNEX	NOx_IDLEX	NOx_STREX	NOx_TOTEX
All Other Buses-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0002		0.0006	0.0031	0.0001	0.0006	0.0049
LDA-Dsl			0.0000	0.0000			0.0000				0.0000	0.0007			0.0007	0.0001			0.0001
LDT1-Dsl			0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000			0.0000
LDT2-Dsl			0.0003	0.0002			0.0002				0.0002	0.0025			0.0025	0.0005			0.0005
LHD1-Dsl			0.0100	0.0084	0.0003		0.0088				0.0159	0.0212	0.0027		0.0239	0.0241	0.0030		0.0447
LHD2-Dsl			0.0061	0.0052	0.0002		0.0054				0.0092	0.0133	0.0014		0.0147	0.0178	0.0017		0.0288
MDV-Dsl			0.0001	0.0001			0.0001				0.0001	0.0042			0.0042	0.0003			0.0003
MH-Dsl			0.0003	0.0003			0.0003				0.0003	0.0008			0.0008	0.0086			0.0086
Motor Coach-Dsl			0.0001	0.0000	0.0001		0.0001				0.0001	0.0001	0.0011		0.0012	0.0022	0.0003	0.0004	0.0050
PTO-Dsl			0.0002	0.0002			0.0002				0.0003	0.0022			0.0022	0.0310			0.0724
SBUS-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0013		0.0015	0.0011	0.0010	0.0014	0.0101
T6 CAIRP Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0000	0.0005
T6 CAIRP Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001	0.0006
T6 CAIRP Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0003	0.0001	0.0003	0.0021
T6 CAIRP Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0005	0.0002		0.0007	0.0034	0.0001	0.0007	0.0073
T6 Instate Delivery Class 4-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0003	0.0012		0.0014	0.0019	0.0009	0.0024	0.0173
T6 Instate Delivery Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0001	0.0002	0.0008		0.0009	0.0012	0.0006	0.0015	0.0113
T6 Instate Delivery Class 6-Dsl			0.0002	0.0001	0.0001		0.0002				0.0004	0.0008	0.0033		0.0041	0.0053	0.0026	0.0067	0.0491
T6 Instate Delivery Class 7-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0004	0.0008		0.0012	0.0030	0.0008	0.0021	0.0117
T6 Instate Other Class 4-Dsl			0.0001	0.0001	0.0001		0.0001				0.0003	0.0005	0.0023		0.0028	0.0031	0.0018	0.0040	0.0302
T6 Instate Other Class 5-Dsl			0.0004	0.0002	0.0002		0.0003				0.0007	0.0014	0.0065		0.0078	0.0086	0.0051	0.0112	0.0852
T6 Instate Other Class 6-Dsl			0.0003	0.0001	0.0001		0.0002				0.0006	0.0010	0.0048		0.0058	0.0065	0.0038	0.0084	0.0634
T6 Instate Other Class 7-Dsl			0.0003	0.0001	0.0001		0.0002				0.0004	0.0010	0.0039		0.0049	0.0084	0.0039	0.0085	0.0426
T6 Instate Tractor Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001	0.0000	0.0001	0.0007
T6 Instate Tractor Class 7-Dsl			0.0006	0.0003	0.0002		0.0005				0.0006	0.0025	0.0067		0.0092	0.0179	0.0065	0.0137	0.0590
T6 OOS Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0001	0.0000	0.0001	0.0003
T6 OOS Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0002	0.0000	0.0001	0.0003
T6 OOS Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0005	0.0001	0.0006	0.0012
T6 OOS Class 7-Dsl			0.0001	0.0001	0.0000		0.0001				0.0001	0.0004	0.0001		0.0006	0.0035	0.0002	0.0008	0.0045
T6 Public Class 4-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0002		0.0002	0.0002	0.0001	0.0001	0.0010
T6 Public Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0004		0.0005	0.0006	0.0004	0.0003	0.0032
T6 Public Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0001	0.0001	0.0007		0.0008	0.0008	0.0006	0.0004	0.0047
T6 Public Class 7-Dsl			0.0001	0.0000	0.0000		0.0001				0.0001	0.0002	0.0010		0.0012	0.0012	0.0010	0.0007	0.0062
T6 Utility Class 5-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0001		0.0001	0.0001	0.0001	0.0001	0.0013
T6 Utility Class 6-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0002
T6 Utility Class 7-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0003
T7 CAIRP Class 8-Dsl			0.0275	0.0045	0.0197		0.0241				0.0309	0.0151	0.2905		0.3056	0.4715	0.1508	0.0681	1.1143
T7 NNOOS Class 8-Dsl			0.0383	0.0066	0.0270		0.0337				0.0337	0.0224	0.3996		0.4220	0.7947	0.3196	0.1140	1.23
T7 NOOS Class 8-Dsl			0.0161	0.0025	0.0117		0.0141				0.0141	0.0084	0.1722		0.1806	0.2971	0.1377	0.0491	0.4839
T7 Other Port Class 8-Dsl			0.0002	0.0001	0.0001		0.0001				0.0002	0.0004	0.0012		0.0016	0.0073	0.0007	0.0007	0.0126
T7 POAK Class 8-Dsl			0.0007	0.0002	0.0005		0.0006				0.0007	0.0010	0.0067		0.0077	0.0196	0.0038	0.0040	0.0399
T7 POLA Class 8-Dsl			0.0007	0.0002	0.0004		0.0006				0.0007	0.0014	0.0057		0.0071	0.0286	0.0034	0.0036	0.0483
T7 Public Class 8-Dsl			0.0005	0.0002	0.0003		0.0005				0.0007	0.0012	0.0039		0.0051	0.0137	0.0025	0.0060	0.0444
T7 SWCV Class 8-Dsl			0.0001	0.0001	0.0000		0.0001				0.0002	0.0001	0.0006		0.0007	0.0028	0.0005	0.0007	0.0054
T7 Single Concrete/Transit Mix Class 8-Dsl			0.0001	0.0000	0.0001		0.0001				0.0003	0.0001	0.0014		0.0016	0.0027	0.0007	0.0011	0.0146
T7 Single Dump Class 8-Dsl			0.0008	0.0001	0.0006		0.0007				0.0013	0.0008	0.0081		0.0089	0.0152	0.0043	0.0071	0.0641
T7 Single Other Class 8-Dsl			0.0031	0.0004	0.0023		0.0027				0.0052	0.0021	0.0338		0.0359	0.0421	0.0174	0.0290	0.2281
T7 Tractor Class 8-Dsl			0.0207	0.0029	0.0153		0.0182				0.0217	0.0136	0.2256		0.2393	0.3362	0.1344	0.2129	0.9964
T7 Utility Class 8-Dsl			0.0000	0.0000	0.0000		0.0000				0.0000	0.0001	0.0001		0.0002	0.0006	0.0001	0.0007	0.0034
UBUS-Dsl			0.0000	0.0000			0.0000				0.0000	0.0000			0.0000	0.0000			0.0000
	0.0	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**	**0.1**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**1.2**	**0.0**	**1.3**	**2.2**	**0.8**	**0.6**	**4.9**

Veh_Tech	PM10_RUNEX	PM10_IDLEX	PM10_STREX	PM10_TOTEX	PM10_PMTW	PM10_PMBW	PM10_TOTAL	PM2_5_RUNEX	PM2_5_IDLEX	PM2_5_STREX	PM2_5_TOTEX	PM2_5_PMTW	PM2_5_PMBW	PM2_5_TOTAL	SOx_RUNEX	SOx_IDLEX
All Other Buses-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0002	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000
LDA-Dsl	0.0000			0.0000	0.0000	0.0000	0.0001	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	
LDT1-Dsl	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	
LDT2-Dsl	0.0001			0.0001	0.0002	0.0002	0.0004	0.0001			0.0001	0.0000	0.0001	0.0002	0.0000	
LHD1-Dsl	0.0018	0.0001		0.0019	0.0012	0.0076	0.0199	0.0017	0.0001		0.0018	0.0003	0.0026	0.0087	0.0006	0.0000
LHD2-Dsl	0.0012	0.0000		0.0012	0.0006	0.0042	0.0109	0.0011	0.0000		0.0011	0.0001	0.0015	0.0049	0.0003	0.0000
MDV-Dsl	0.0000			0.0000	0.0002	0.0003	0.0006	0.0000			0.0000	0.0001	0.0001	0.0002	0.0001	
MH-Dsl	0.0001			0.0001	0.0001	0.0002	0.0003	0.0001			0.0001	0.0000	0.0001	0.0001	0.0000	
Motor Coach-Dsl	0.0001	0.0000		0.0001	0.0000	0.0002	0.0003	0.0001	0.0000		0.0001	0.0000	0.0001	0.0001	0.0000	0.0000
PTO-Dsl	0.0000			0.0000			0.0001	0.0000			0.0000			0.0001	0.0002	
SBUS-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000
T6 CAIRP Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 CAIRP Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 CAIRP Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
T6 CAIRP Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0007	0.0014	0.0001	0.0000		0.0001	0.0001	0.0003	0.0005	0.0001	0.0000
T6 Instate Delivery Class 4-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0008	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0001	0.0000
T6 Instate Delivery Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0005	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000
T6 Instate Delivery Class 6-Dsl	0.0000	0.0000		0.0000	0.0002	0.0007	0.0022	0.0000	0.0000		0.0000	0.0000	0.0003	0.0008	0.0002	0.0000
T6 Instate Delivery Class 7-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0006	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0001	0.0000
T6 Instate Other Class 4-Dsl	0.0000	0.0000		0.0000	0.0001	0.0005	0.0017	0.0000	0.0000		0.0000	0.0000	0.0002	0.0006	0.0001	0.0000
T6 Instate Other Class 5-Dsl	0.0001	0.0000		0.0001	0.0004	0.0015	0.0047	0.0001	0.0000		0.0001	0.0001	0.0005	0.0017	0.0003	0.0000
T6 Instate Other Class 6-Dsl	0.0001	0.0000		0.0001	0.0003	0.0011	0.0035	0.0001	0.0000		0.0001	0.0001	0.0004	0.0013	0.0002	0.0000
T6 Instate Other Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0009	0.0023	0.0001	0.0000		0.0001	0.0001	0.0003	0.0009	0.0002	0.0000
T6 Instate Tractor Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Instate Tractor Class 7-Dsl	0.0002	0.0000		0.0002	0.0006	0.0023	0.0039	0.0002	0.0000		0.0002	0.0002	0.0008	0.0014	0.0004	0.0000
T6 OOS Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 OOS Class 7-Dsl	0.0001	0.0000		0.0001	0.0002	0.0007	0.0009	0.0001	0.0000		0.0001	0.0000	0.0002	0.0004	0.0001	0.0000
T6 Public Class 4-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Public Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
T6 Public Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0003	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
T6 Public Class 7-Dsl	0.0000	0.0000		0.0000	0.0000	0.0002	0.0004	0.0000	0.0000		0.0000	0.0000	0.0001	0.0001	0.0000	0.0000
T6 Utility Class 5-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 6-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T6 Utility Class 7-Dsl	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
T7 CAIRP Class 8-Dsl	0.0116	0.0001		0.0117	0.0141	0.0321	0.0749	0.0111	0.0001		0.0112	0.0035	0.0112	0.0337	0.0047	0.0004
T7 NNOOS Class 8-Dsl	0.0175	0.0001		0.0176	0.0215	0.0489	0.0881	0.0167	0.0001		0.0168	0.0054	0.0171	0.0394	0.0069	0.0005
T7 NOOS Class 8-Dsl	0.0067	0.0000		0.0068	0.0078	0.0178	0.0324	0.0064	0.0000		0.0065	0.0020	0.0062	0.0147	0.0025	0.0002
T7 Other Port Class 8-Dsl	0.0001	0.0000		0.0001	0.0002	0.0006	0.0011	0.0001	0.0000		0.0001	0.0001	0.0002	0.0004	0.0001	0.0000
T7 POAK Class 8-Dsl	0.0003	0.0000		0.0003	0.0006	0.0014	0.0028	0.0002	0.0000		0.0003	0.0001	0.0005	0.0011	0.0002	0.0000
T7 POLA Class 8-Dsl	0.0004	0.0000		0.0004	0.0007	0.0019	0.0037	0.0004	0.0000		0.0004	0.0002	0.0007	0.0015	0.0003	0.0000
T7 Public Class 8-Dsl	0.0001	0.0000		0.0001	0.0003	0.0010	0.0025	0.0001	0.0000		0.0001	0.0001	0.0003	0.0009	0.0001	0.0000
T7 SWCV Class 8-Dsl	0.0000	0.0000		0.0000	0.0001	0.0004	0.0009	0.0000	0.0000		0.0000	0.0000	0.0002	0.0003	0.0001	0.0000
T7 Single Concrete/Transit Mix Class 8-Dsl	0.0000	0.0000		0.0000	0.0001	0.0003	0.0011	0.0000	0.0000		0.0000	0.0000	0.0001	0.0004	0.0000	0.0000
T7 Single Dump Class 8-Dsl	0.0002	0.0000		0.0003	0.0005	0.0013	0.0042	0.0002	0.0000		0.0002	0.0001	0.0005	0.0016	0.0002	0.0000
T7 Single Other Class 8-Dsl	0.0007	0.0000		0.0007	0.0016	0.0039	0.0129	0.0007	0.0000		0.0007	0.0004	0.0014	0.0051	0.0006	0.0000
T7 Tractor Class 8-Dsl	0.0062	0.0001		0.0063	0.0104	0.0248	0.0503	0.0059	0.0001		0.0060	0.0026	0.0087	0.0210	0.0035	0.0003
T7 Utility Class 8-Dsl	0.0000	0.0000		0.0000	0.0000	0.0001	0.0002	0.0000	0.0000		0.0000	0.0000	0.0000	0.0001	0.0000	0.0000
UBUS-Dsl	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000			0.0000	0.0000	0.0000	0.0000	0.0000	
	0.0	**0.0**	**0.0**	**0.0**	**0.1**	**0.2**	**0.3**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.1**	**0.1**	**0.0**	**0.0**

Veh_Tech	SOx_STREX	SOx_TOTEX	NH3_RUNEX	Fuel_GAS	Fuel_DSL	Fuel_NG
All Other Buses-Dsl		0.0000	0.0008		0.3233	
LDA-Dsl		0.0000	0.0000		0.0890	
LDT1-Dsl		0.0000	0.0000		0.0002	
LDT2-Dsl		0.0000	0.0001		0.4294	
LHD1-Dsl		0.0006	0.0211		5.22	
LHD2-Dsl		0.0003	0.0099		2.95	
MDV-Dsl		0.0001	0.0001		0.8777	
MH-Dsl		0.0000	0.0007		0.3369	
Motor Coach-Dsl		0.0000	0.0005		0.3457	
PTO-Dsl		0.0002	0.0028		1.96	
SBUS-Dsl		0.0000	0.0009		0.3897	
T6 CAIRP Class 4-Dsl		0.0000	0.0001		0.0372	
T6 CAIRP Class 5-Dsl		0.0000	0.0001		0.0511	
T6 CAIRP Class 6-Dsl		0.0000	0.0003		0.1337	
T6 CAIRP Class 7-Dsl		0.0001	0.0038		1.40	
T6 Instate Delivery Class 4-Dsl		0.0001	0.0012		0.5317	
T6 Instate Delivery Class 5-Dsl		0.0000	0.0008		0.3461	
T6 Instate Delivery Class 6-Dsl		0.0002	0.0034		1.50	
T6 Instate Delivery Class 7-Dsl		0.0001	0.0013		0.5756	
T6 Instate Other Class 4-Dsl		0.0001	0.0026		1.12	
T6 Instate Other Class 5-Dsl		0.0003	0.0074		3.16	
T6 Instate Other Class 6-Dsl		0.0002	0.0055		2.35	
T6 Instate Other Class 7-Dsl		0.0002	0.0046		1.96	
T6 Instate Tractor Class 6-Dsl		0.0000	0.0001		0.0305	
T6 Instate Tractor Class 7-Dsl		0.0005	0.0113		4.37	
T6 OOS Class 4-Dsl		0.0000	0.0001		0.0505	
T6 OOS Class 5-Dsl		0.0000	0.0002		0.0692	
T6 OOS Class 6-Dsl		0.0000	0.0005		0.1813	
T6 OOS Class 7-Dsl		0.0001	0.0034		1.18	
T6 Public Class 4-Dsl		0.0000	0.0001		0.0514	
T6 Public Class 5-Dsl		0.0000	0.0003		0.1454	
T6 Public Class 6-Dsl		0.0000	0.0005		0.2229	
T6 Public Class 7-Dsl		0.0000	0.0008		0.3806	
T6 Utility Class 5-Dsl		0.0000	0.0001		0.0538	
T6 Utility Class 6-Dsl		0.0000	0.0000		0.0102	
T6 Utility Class 7-Dsl		0.0000	0.0000		0.0139	
T7 CAIRP Class 8-Dsl		0.0051	0.0863		48.1	
T7 NNOOS Class 8-Dsl		0.0074	0.1315		69.7	
T7 NOOS Class 8-Dsl		0.0027	0.0478		25.6	
T7 Other Port Class 8-Dsl		0.0001	0.0013		0.7315	
T7 POAK Class 8-Dsl		0.0002	0.0034		1.94	
T7 POLA Class 8-Dsl		0.0003	0.0046		2.61	
T7 Public Class 8-Dsl		0.0001	0.0020		1.35	
T7 SWCV Class 8-Dsl		0.0001	0.0004		0.6452	
T7 Single Concrete/Transit Mix Class 8-Dsl		0.0000	0.0008		0.4571	
T7 Single Dump Class 8-Dsl		0.0002	0.0032		2.03	
T7 Single Other Class 8-Dsl		0.0007	0.0097		6.15	
T7 Tractor Class 8-Dsl		0.0037	0.0634		35.2	
T7 Utility Class 8-Dsl		0.0000	0.0001		0.0841	
UBUS-Dsl		0.0000	0.0000		0.0005	
	0.0	**0.0**	**0.4**	**0.0**	**227.5**	

Appendix C

Special Status Species

Table C-1 Special-Status Plant Species in the Regional Vicinity of the Project Site.

Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements
Amsinckia grandiflora large-flowered fiddleneck	FE/SE G1/S1 1B.1	Annual herb. Cismontane woodland, valley and foothill grassland. Annual grassland in various soils. Elevations: 885-1805ft. (270-550m.) Blooms (Mar)Apr-May.
Astragalus tener var. tener alkali milk-vetch	None/None G2T1/S1 1B.2	Annual herb. Playas, valley and foothill grassland, vernal pools. Alkaline. Elevations: 5-195ft. (1-60m.) Blooms Mar-Jun.
Atriplex cordulata var. cordulata heartscale	None/None GNRT2/S2 1B.2	Annual herb. Chenopod scrub, meadows and seeps, valley and foothill grassland. Alkaline (sometimes). Elevations: 0-1835ft. (0-560m.) Blooms Apr-Oct.
Blepharizonia plumosa big tarplant	None/None G1G2/S1S2 1B.1	Annual herb. Valley and foothill grassland. Clay (usually). Elevations: 100-1655ft. (30-505m.) Blooms Jul-Oct.
Brasenia schreberi watershield	None/None G5/S3 2B.3	Perennial rhizomatous herb (aquatic). Marshes and swamps. Aquatic known from water bodies both natural and artificial in California. 1-. Elevations: 0-7220ft. (0-2200m.) Blooms Jun-Sep.
Calycadenia hooveri Hoover's calycadenia	None/None G2/S2 1B.3	Annual herb. Cismontane woodland, valley and foothill grassland. Rocky. Elevations: 215-985ft. (65-300m.) Blooms Jul-Sep.
Calycadenia spicata spicate calycadenia	None/None G3?/S3 1B.3	Cismontane woodland, Valley and foothill grassland. Adobe, Clay, Disturbed areas, Dry, Gravelly, Openings, Roadsides, Rocky 40-1400m. Blooms May-Sep.
Carex comosa bristly sedge	None/None G5/S2 2B.1	Perennial rhizomatous herb. Coastal prairie, marshes and swamps, valley and foothill grassland. Lake margins, wet places; site below sea level is on a Delta island. Elevations: 0-2050ft. (0-625m.) Blooms May-Sep.
Castilleja campestris var. succulenta succulent owl's-clover	FT/SE G4?T2T3/S2S3 1B.2	Annual herb (hemiparasitic). Vernal pools. Moist places, often in acidic soils. Elevations: 165-2460ft. (50-750m.) Blooms (Mar)Apr-May.
Caulanthus lemmonii Lemmon's jewelflower	None/None G3/S3 1B.2	Annual herb. Pinyon and juniper woodland, valley and foothill grassland. Elevations: 260-5185ft. (80-1580m.) Blooms Feb-May.

Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements
Chloropyron palmatum palmate-bracted bird's-beak	FE/SE G1/S1 1B.1	Annual herb (hemiparasitic). Chenopod scrub, valley and foothill grassland. Alkaline. Elevations: 15-510ft. (5-155m.) Blooms May-Oct.
Cirsium crassicaule slough thistle	None/None G1/S1 1B.1	Annual/perennial herb. Chenopod scrub, marshes and swamps, riparian scrub. Sloughs, riverbanks, and marshy areas. Elevations: 10-330ft. (3-100m.) Blooms May-Aug.
Delphinium californicum ssp. interius Hospital Canyon larkspur	None/None G3T3/S3 1B.2	Perennial herb. Chaparral, cismontane woodland, coastal scrub. In wet, boggy meadows, openings in chaparral and in canyons. Elevations: 640-3595ft. (195-1095m.) Blooms Apr-Jun.
Delphinium recurvatum recurved larkspur	None/None G2?/S2 1B.2	Perennial herb. Chenopod scrub, cismontane woodland, valley and foothill grassland. Alkaline. Elevations: 10-2590ft. (3-790m.) Blooms Mar-Jun.
Downingia pusilla dwarf downingia	None/None GU/S2 2B.2	Annual herb. Valley and foothill grassland, vernal pools. Vernal lake and pool margins with a variety of associates. In several types of vernal pools. Elevations: 5-1460ft. (1-445m.) Blooms Mar-May.
Eryngium pinnatisectum Tuolumne button-celery	None/None G2/S2 1B.2	Annual/perennial herb. Cismontane woodland, lower montane coniferous forest, vernal pools. Volcanic soils; vernal pools and mesic sites within other natural communties. Elevations: 230-3000ft. (70-915m.) Blooms May-Aug.
Eryngium racemosum Delta button-celery	None/SE G1/S1 1B.1	Annual/perennial herb. Riparian scrub. Seasonally inundated floodplain on clay. Elevations: 10-100ft. (3-30m.) Blooms (May)Jun-Oct.
Eschscholzia rhombipetala diamond-petaled California poppy	None/None G1/S1 1B.1	Annual herb. Valley and foothill grassland. Alkaline, clay slopes and flats. Elevations: 0-3200ft. (0-975m.) Blooms Mar-Apr.
Extriplex joaquinana San Joaquin spearscale	None/None G2/S2 1B.2	Annual herb. Chenopod scrub, meadows and seeps, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with Distichlis spicata, Frankenia, etc. Elevations: 5-2740ft. (1-835m.) Blooms Apr-Oct.
Gratiola heterosepala Boggs Lake hedge-hyssop	None/SE G2G3/S2 1B.2	Annual herb. Marshes and swamps, vernal pools. Clay soils; usually in vernal pools, sometimes on lake margins. 4-. Elevations: 35-7790ft. (10-2375m.) Blooms Apr-Aug.

Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements
Hibiscus lasiocarpos var. occidentalis woolly rose-mallow	None/None G5T3/S3 1B.2	Perennial rhizomatous herb (emergent). Marshes and swamps. Moist, freshwater-soaked river banks and low peat islands in sloughs; can also occur on riprap and levees. In California, known from the delta watershed. Elevations: 0-395ft. (0-120m.) Blooms Jun-Sep.
Lathyrus jepsonii var. jepsonii Delta tule pea	None/None G5T2/S2 1B.2	Perennial herb. Marshes and swamps. In freshwater and brackish marshes. Often found with Typha, Aster lentus, Rosa californica, Juncus spp., Scirpus, etc. Usually on marsh and slough edges. Elevations: 0-15ft. (0-5m.) Blooms May-Jul(Aug-Sep).
Legenere limosa legenere	None/None G2/S2 1B.1	Annual herb. Vernal pools. In beds of vernal pools. 1-. Elevations: 5-2885ft. (1-880m.) Blooms Apr-Jun.
Lilaeopsis masonii Mason's lilaeopsis	None/SR G2/S2 1B.1	Perennial rhizomatous herb. Marshes and swamps, riparian scrub. Tidal zones, in muddy or silty soil formed through river deposition or river bank erosion. In brackish or freshwater. Elevations: 0-35ft. (0-10m.) Blooms Apr-Nov.
Limosella australis Delta mudwort	None/None G5/S2 2B.1	Perennial stoloniferous herb. Marshes and swamps, riparian scrub. Usually on mud banks of the Delta in marshy or scrubby riparian associations; often with Lilaeopsis masonii. Elevations: 0-10ft. (0-3m.) Blooms May-Aug.
Madia radiata showy golden madia	None/None G3/S3 1B.1	Annual herb. Cismontane woodland, valley and foothill grassland. Mostly on adobe clay in grassland or among shrubs. Elevations: 80-3985ft. (25-1215m.) Blooms Mar-May.
Navarretia nigelliformis ssp. radians shining navarretia	None/None G4T2T3/S2S3 1B.2	Annual herb. Cismontane woodland, valley and foothill grassland, vernal pools. Apparently in grassland, and not necessarily in vernal pools. Elevations: 215-3280ft. (65-1000m.) Blooms (Mar)Apr-Jul.
Sagittaria sanfordii Sanford's arrowhead	None/None G3/S3 1B.2	Perennial rhizomatous herb (emergent). Marshes and swamps. In standing or slow-moving freshwater ponds, marshes, and ditches. Elevations: 0-2135ft. (0-650m.) Blooms May-Oct(Nov).
Scutellaria galericulata marsh skullcap	None/None G5/S2 2B.2	Perennial rhizomatous herb. Lower montane coniferous forest, marshes and swamps, meadows and seeps. Swamps and wet places. Elevations: 0-6890ft. (0-2100m.) Blooms Jun-Sep.
Scutellaria lateriflora side-flowering skullcap	None/None G5/S1S2 2B.2	Perennial rhizomatous herb. Marshes and swamps, meadows and seeps. Wet meadows and marshes. In the Delta, often found on logs. Elevations: 0-1640ft. (0-500m.) Blooms Jul-Sep.

Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements
Symphyotrichum lentum Suisun Marsh aster	None/None G2/S2 1B.2	Perennial rhizomatous herb. Marshes and swamps. Most often seen along sloughs with Phragmites, Scirpus, blackberry, Typha, etc. Elevations: 0-10ft. (0-3m.) Blooms (Apr)May-Nov.
Trichocoronis wrightii var. wrightii Wright's trichocoronis	None/None G4T3/S1 2B.1	Annual herb. Marshes and swamps, meadows and seeps, riparian forest, vernal pools. Mud flats of vernal lakes, drying river beds, alkali meadows. Elevations: 15-1425ft. (5-435m.) Blooms May-Sep.
Trifolium hydrophilum saline clover	None/None G2/S2 1B.2	Annual herb. Marshes and swamps, valley and foothill grassland, vernal pools. Mesic, alkaline sites. Elevations: 0-985ft. (0-300m.) Blooms Apr-Jun.
Tropidocarpum capparideum caper-fruited tropidocarpum	None/None G1/S1 1B.1	Annual herb. Valley and foothill grassland. Alkaline clay. Elevations: 5-1495ft. (1-455m.) Blooms Mar-Apr.
Tuctoria greenei Greene's tuctoria	FE/SR G1/S1 1B.1	Annual herb. Vernal pools. Vernal pools in open grasslands. Elevations: 100-3510ft. (30-1070m.) Blooms May-Jul(Sep).

Regional Vicinity refers to within a 8-quad search radius of site.

Status (Federal/State)

FE = Federal Endangered
FT = Federal Threatened
FPE = Federal Proposed Endangered
FPT = Federal Proposed Threatened
FD = Federal Delisted
FC = Federal Candidate
SE = State Endangered
ST = State Threatened
SCE = State Candidate Endangered
SCT = State Candidate Threatened
SR = State Rare
SD = State Delisted
SSC = CDFW Species of Special Concern
FP = CDFW Fully Protected
WL = CDFW Watch List

CRPR (CNPS California Rare Plant Rank)

1A = Presumed extirpated in California, and rare or extinct elsewhere
1B = Rare, Threatened, or Endangered in California and elsewhere
2A = Presumed extirpated in California, but common elsewhere
2B= Rare, Threatened, or Endangered in California, but more common elsewhere

CRPR Threat Code Extension

.1 = Seriously endangered in California (>80% of occurrences threatened/high degree and immediacy of threat)
.2 = Moderately threatened in California (20-80% of occurrences threatened/moderate degree and immediacy of threat)
.3 = Not very endangered in California (<20% of occurrences threatened/low degree and immediacy of threat)

Other Statuses

G1 or S1 Critically Imperiled Globally or Subnationally (state)
G2 or S2 Imperiled Globally or Subnationally (state)
G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)

Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements

G4/5 or S4/5 Apparently secure, common and abundant

GH or SH Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery

Additional notations may be provided as follows

T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)

Q – Questionable taxonomy that may reduce conservation priority

? – Inexact numeric rank

Table C-2 Special-Status Wildlife Species in the Regional Vicinity of the Project Site

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements
Invertebrates		
Andrena blennospermatis Blennosperma vernal pool andrenid bee	None/None G2/S1	This bee is oligolectic on vernal pool Blennosperma. Bees nest in the uplands around vernal pools.
Andrena subapasta An andrenid bee	None/None G1G2/S1S2	Collects pollen primarily from Arenaria californica but also Orthocarpus erianthus and Lasthenia spp. .
Bombus crotchii Crotch's bumble bee	None/SCE G2/S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.
Bombus occidentalis western bumble bee	None/SCE G3/S1	Once common and widespread, species has declined precipitously from central CA to southern B.C., perhaps from disease.
Bombus pensylvanicus American bumble bee	None/None G3G4/S2	Long-tongued; forages on a wide variety of flowers including vetches (Vicia), clovers (Trifolium), thistles (Cirsium), sunflowers (Helianthus), etc. Nests above ground under long grass or underground. Queens overwinter in rotten wood or underground.
Branchinecta lynchi vernal pool fairy shrimp	FT/None G3/S3	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools. Inhabit small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools.
Branchinecta mesovallensis midvalley fairy shrimp	None/None G2/S2S3	Vernal pools in the Central Valley. .
Desmocerus californicus dimorphus valley elderberry longhorn beetle	FT/None G3T3/S3	Occurs only in the Central Valley of California, in association with blue elderberry (Sambucus mexicana). Prefers to lay eggs in elderberries 2-8 inches in diameter; some preference shown for "stressed" elderberries.
Gonidea angulata western ridged mussel	None/None G3/S2	Primarily creeks and rivers and less often lakes. Originally in most of state, now extirpated from Central and Southern California. .
Hydrochara rickseckeri Ricksecker's water scavenger beetle	None/None G2?/S2?	Aquatic.
Lepidurus packardi vernal pool tadpole shrimp	FE/None G3/S3	Inhabits vernal pools and swales in the Sacramento Valley containing clear to highly turbid water. Pools commonly found in grass-bottomed swales of unplowed grasslands. Some pools are mud-bottomed and highly turbid.

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements
Linderiella occidentalis California linderiella	None/None G2G3/S2S3	Seasonal pools in unplowed grasslands with old alluvial soils underlain by hardpan or in sandstone depressions. Water in the pools has very low alkalinity, conductivity, and total dissolved solids.
Lytta moesta moestan blister beetle	None/None G2/S2	Central California.
Rhaphiomidas trochilus San Joaquin Valley giant flower-loving fly	None/None G1/S1	Historically known from, and endemic to, sandy soils of the San Joaquin Valley from Antioch Dunes in Contra Costa Co south to Sand Ridge in Kern Co. Associated with sandy soils such as riverine deposits and sand dunes with relatively sparse vegetation. Adult flight from Jul to Oct and life span is about 3 days and do not visit flowers/nectar. Females deposit eggs in and on the surface of sandy soil. Larvae burrow in fine sands up to 10 feet deep and are known to live for 3 years prior to pupation.
Fish		
Acipenser medirostris pop. 1 green sturgeon - southern DPS	FT/None G2T1/S1 SSC	Spawning site fidelity. Spawns in the Sacramento, Feather and Yuba Rivers. Presence in upper Stanislaus and San Joaquin Rivers may indicate spawning. Non-spawning adults occupy marine/estuarine waters. Delta Estuary is important for rearing juveniles. Spawning occurs primarily in cool (11-15 C) sections of mainstem rivers in deep pools (8-9 meters) with substrate containing small to medium sized sand, gravel, cobble, or boulder.
Hypomesus transpacificus Delta smelt	FT/SE G1/S1	Sacramento-San Joaquin Delta. Seasonally in Suisun Bay, Carquinez Strait and San Pablo Bay. Seldom found at salinities > 10 ppt. Most often at salinities < 2ppt.
Mylopharodon conocephalus hardhead	None/None G3/S3 SSC	Low to mid-elevation streams in the Sacramento-San Joaquin drainage. Also present in the Russian River. Clear, deep pools with sand-gravel-boulder bottoms and slow water velocity. Not found where exotic centrarchids predominate.
Oncorhynchus mykiss irideus pop. 11 steelhead - Central Valley DPS	FT/None G5T2Q/S2 SSC	Populations in the Sacramento and San Joaquin rivers and their tributaries. .
Pogonichthys macrolepidotus Sacramento splittail	None/None G3/S3 SSC	Endemic to the lakes and rivers of the Central Valley, but now confined to the Delta, Suisun Bay and associated marshes. Slow moving river sections, dead end sloughs. Requires flooded vegetation for spawning and foraging for young.
Spirinchus thaleichthys pop. 2 longfin smelt - San Francisco Bay-Delta DPS	FE/ST G5TNRQ/S1	Pelagic and anadromous within the Sacramento-San Joaquin River Delta, San Francisco Bay, and Gulf of the Farallones. Spawns in lower freshwater reaches of Sacramento and San Joaquin Rivers. First year in Suisun Bay; later SF Bay or Gulf of the Farallones. Occurs in salinities ranging from pure freshwater to pure saltwater; typically salinities ranging from 14-28 parts per thousand (ppt).

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements
		Generally occupies water temperatures from 61-68F, with spawning occurring in water temperatures from 41-58F.
Reptiles		
Actinemys marmorata northwestern pond turtle	FPT/None G2/SNR SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying. Occurs in northern California, south along the Sierra Nevada Mountains and the Coast Range down to Monterey and Kern Counties.
Anniella pulchra Northern California legless lizard	None/None G3/S2S3 SSC	Sandy or loose loamy soils under sparse vegetation. Soil moisture is essential. They prefer soils with a high moisture content.
Arizona elegans occidentalis California glossy snake	None/None G5T2/S2 SSC	Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.
Masticophis flagellum ruddocki San Joaquin coachwhip	None/None G5T2T3/S3 SSC	Open, dry habitats with little or no tree cover. Found in valley grassland and saltbush scrub in the San Joaquin Valley. Needs mammal burrows for refuge and oviposition sites.
Masticophis lateralis euryxanthus Alameda whipsnake	FT/ST G4T2/S2	Typically found in chaparral and scrub habitats but will also use adjacent grassland, oak savanna and woodland habitats. Mostly south-facing slopes and ravines, with rock outcrops, deep crevices or abundant rodent burrows, where shrubs form a vegetative mosaic with oak trees and grasses.
Phrynosoma blainvillii coast horned lizard	None/None G4/S4 SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.
Thamnophis gigas giant gartersnake	FT/ST G2/S2	Prefers freshwater marsh and low gradient streams. Has adapted to drainage canals and irrigation ditches. This is the most aquatic of the gartersnakes in California.
Amphibians		
Ambystoma californiense pop. 1 California tiger salamander - central California DPS	FT/ST G3T3/S3 WL	Lives in vacant or mammal-occupied burrows throughout most of the year; in grassland, savanna, or open woodland habitats. Need underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements
Rana boylii pop. 4 foothill yellow-legged frog - central coast DPS	FT/SE G3T2/S2	San Francisco Peninsula and Diablo Range south of San Francisco Bay Estuary, and south through the Santa Cruz and Gabilan Mountains east of the Salinas River in the southern inner Coast Ranges. Partly shaded shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying and at least 15 weeks to attain metamorphosis.
Rana boylii pop. 5 foothill yellow-legged frog - south Sierra DPS	FE/SE G3T2/S2	Sierra Nevada from South Fork American River subbasin (HU 8) in El Dorado County south to Tehachapi Mountains in Kern County. Partly shaded shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying and at least 15 weeks to attain metamorphosis.
Rana draytonii California red-legged frog	FT/None G2G3/S2S3 SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.
Spea hammondii western spadefoot	FPT/None G2G3/S3S4 SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.
Birds		
Agelaius tricolor tricolored blackbird	None/ST G1G2/S2 SSC	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.
Aquila chrysaetos golden eagle	None/None G5/S3 FP WL	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.
Athene cunicularia burrowing owl	None/SCE G4/S2 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.
Buteo swainsoni Swainson's hawk	None/ST G5/S4	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.
Circus hudsonius northern harrier	None/None G5/S3 SSC	Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements
Coccyzus americanus occidentalis western yellow-billed cuckoo	FT/SE G5T2T3/S1	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.
Elanus leucurus white-tailed kite	None/None G5/S3S4 FP	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.
Icteria virens yellow-breasted chat	None/None G5/S4 SSC	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.
Lanius ludovicianus loggerhead shrike	None/None G4/S4 SSC	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub and washes. Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.
Laterallus jamaicensis coturniculus California black rail	None/ST G3T1/S2 FP	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.
Melospiza melodia pop. 1 song sparrow ("Modesto" population)	None/None G5T3?Q/S3? SSC	Central lower basin of Great Valley, from Colusa County south to Stanislaus County and east of Suisun Marshes. Breeds chiefly below 200 feet elevation. Freshwater marshes, riparian thickets, sparsely vegetated irrigation canals, and Valley Oak restoration sites. Cover consists of willow and nettle thickets, growths of tules and cattails, and riparian oak forests with sufficient understory of blackberry.
Riparia riparia bank swallow	None/ST G5/S3	Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole.
Setophaga petechia yellow warbler	None/None G5/S3 SSC	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada. Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.
Vireo bellii pusillus least Bell's vireo	FE/SE G5T2/S3	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.
Xanthocephalus xanthocephalus yellow-headed blackbird	None/None G5/S3 SSC	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds. Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements
Mammals		
Antrozous pallidus pallid bat	None/None G4/S3 SSC	Found in a variety of habitats including deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts in crevices of rock outcrops, caves, mine tunnels, buildings, bridges, and hollows of live and dead trees which must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.
Corynorhinus townsendii Townsend's big-eared bat	None/None G4/S2 SSC	Occurs throughout California in a wide variety of habitats. Most common in mesic sites, typically coniferous or deciduous forests. Roosts in the open, hanging from walls & ceilings in caves, lava tubes, bridges, and buildings. This species is extremely sensitive to human disturbance.
Eumops perotis californicus western mastiff bat	None/None G4G5T4/S3S4 SSC	Occurs in open, semi-arid to arid habitats, including coniferiferous and deciduous woodlands, coastal scrub, grasslands, and chaparral. Roosts in crevices in cliff faces and caves, and buildings. Roosts typically occur high above ground.
Neotoma fuscipes riparia riparian (=San Joaquin Valley) woodrat	FE/None G5T1/S1 SSC	Occurs in riparian habitats along the San Joaquin, Stanislaus, and Tuolumne rivers. Builds middens out of grasses, leaves, and woody debris.
Perognathus inornatus San Joaquin pocket mouse	None/None G3/S2S3	Grassland, oak savanna and arid scrubland in the southern Sacramento Valley, Salinas Valley, San Joaquin Valley and adjacent foothills, south to the Mojave Desert. Associated with fine-textured, sandy, friable soils.
Sylvilagus bachmani riparius riparian brush rabbit	FE/SE GNRT2/S2	Riparian areas on the San Joaquin River in northern Stanislaus County. Dense thickets of wild rose, willows, and blackberries.
Taxidea taxus American badger	None/None G5/S3 SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.
Vulpes macrotis mutica San Joaquin kit fox	FE/ST G4T2/S3	Annual grasslands or grassy open stages with scattered shrubby vegetation. Need loose-textured sandy soils for burrowing, and suitable prey base.

Status (Federal/State)

FE = Federal Endangered
FT = Federal Threatened
FPE = Federal Proposed Endangered
FPT = Federal Proposed Threatened
FD = Federal Delisted
FC = Federal Candidate
SE = State Endangered

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements

ST = State Threatened
SCE = State Candidate Endangered
SCT = State Candidate Threatened
SR = State Rare
SD = State Delisted
SSC = CDFW Species of Special Concern
FP = CDFW Fully Protected
WL = CDFW Watch List

Other Statuses

G1 or S1 Critically Imperiled Globally or Subnationally (state)
G2 or S2 Imperiled Globally or Subnationally (state)
G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)
G4/5 or S4/5 Apparently secure, common and abundant
GH or SH Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery

Additional notations may be provided as follows

T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)
Q – Questionable taxonomy that may reduce conservation priority
? – Inexact numeric rank

Appendix D

Energy Generation and Consumption Calculations

Year	Total Daily VMT
2005 Baseline (SB 375 Baseline)	14,600,612
2025 Baseline (existing conditions)	18,854,706
2030 with Proposed 2026 RTP/SCS	19,387,932
2045 with Proposed 2026 RTP/SCS	21,068,148
2049 No Project	21,444,530
2049 with Proposed 2026 RTP/SCS	21,418,525

[1] Regional VMT only includes vehicle miles traveled within the SJCOG re

VMT = vehicle miles traveled

Source: Appendix A

Table 4.5-2 2024 Electricity and Natural Gas Consumption in the SJCOG Region

County	2024 Electricity Consumption (GWh)[-1]	Electricity Consumption Per Capita Consumption (kWh)	Electricity Consumption Statewide Proportion	Natural Gas Consumption 2024 Consumption (MMthm)[2]	Natural Gas Consumption Per Capita Consumption (thm)	Natural Gas Consumption Statewide Proportion
San Joaquin	6,029	7,497	2.1%	176.79	219.82	1.6%

[1]Electricity consumption is quantified in Millions of Kilowatt-Hours (GWh), while per capita electricity is quantified in Kilowatt hours (kWh)

[2]Natural gas consumption is quantified in Millions of Therms (MMthm), while per capita natural gas consumption is Quantified in Therms (thm).

Note: The per capita consumption for natural gas and electricity are determined by using 2024 data from the CEC for overall county wide consumption and divided by the 2025 county population provided by SJCOG (804,252).

Sources: CEC 2020a; CEC 2020b

	2024 Consumption	
California NG Consumption	11,103,519,895	Consumption (thm)
California Electricity Consumption	282,782,592,300	Consumption (kWh)

Table 4.5-2 Calculations

Table 4.5-3 Fuel Consumption in SJCOG Region (2024)

Fuel	2024 Annual Fuel Use (million gallons)	2024 Annual Fuel Use (million Btu)	2024 Daily Energy Use (million Btu)	2024 Daily Per Capita Energy Use (thousand Btu)
Gasoline	326	35,790,297	98,055.61	121.92
Diesel	150	16,467,928	45,117.61	56.10
Total	**476**	**52,258,225**	**143,173.22**	**178.02**

Btu = British Thermal Units

Notes: Per capita energy use was calculated by using 2025 fuel use data divided by SJCOG's 2025 population statistic of 732,185. Btus were calculated by multiplying 2025 Annual Fuel Use by U.S. EIA conversion values for motor gasoline and diesel

Sources: CEC 2022b, U.S. EIA 2021d, SJCOG 2022a

The per capita consumption for natural gas and electricity are determined by using 2024 data from the CEC for overall county wide consumption and divided by the 2025 county population provided by SJCOG (804,252).

2025 Baseline

BTU per VMT Conversion Factor	
143,173,218,363	btu
18,854,706	daily vmt
6,881,967,690	annual vmt
7,594	btu/vmt

Regional Population Estimates	
2025	804,252
2049	950,019

Regional Household Forecast Estimates	
2025	244,979
2049	289,412

Household Interpolation

Year	VMT
2045	281,832
2050	291,307
2049	**289,412**

Table 4.5-6 Transportation Energy Use

Year	Daily VMT	Direct Energy Use (Daily MMBtu)	Per-Household Energy Use (Million Btu per year)[1]	Per-Capita Energy Use Daily (MMBtu)
2025	18,854,706	143,173.22	213.32	0.18
Proposed 2026 RTP/SCS in 2049	21,418,525	162,641.58	205.12	0.17
Change % (Baseline vs. Proposed 2026 RTP/SCS)[1]	**13.6%**	**13.6%**	**-3.84%**	**-3.83%**

[1]Per-Household Energy Use was calculated using housing assumptions generated by SJCOG

Source: SJCOG 2022a, 2022c.

6,881,967,690

Table 1 – San Joaquin County Population, Updated Forecast.

Year	Total Population	Annual Change	Annual % Change
2025	804,252	13,074	1.7%
2026	813,954	9,702	1.2%
2027	821,035	7,082	0.9%
2028	827,671	6,635	0.8%
2029	833,916	6,245	0.8%
2030	839,888	5,972	0.7%
2031	845,607	5,720	0.7%
2032	851,279	5,671	0.7%
2033	856,786	5,508	0.6%
2034	862,143	5,356	0.6%
2035	867,518	5,375	0.6%
2036	873,226	5,709	0.7%
2037	878,799	5,573	0.6%
2038	884,301	5,502	0.6%
2039	889,854	5,553	0.6%
2040	895,516	5,662	0.6%
2041	901,263	5,747	0.6%
2042	907,063	5,800	0.6%
2043	912,975	5,912	0.7%
2044	919,039	6,065	0.7%
2045	925,241	6,201	0.7%
2046	931,509	6,269	0.7%
2047	937,611	6,101	0.7%
2048	943,774	6,163	0.7%
2049	950,019	6,245	0.7%
2050	956,344	6,325	0.7%

Source: https://www.sjcog.org/DocumentCenter/View/11044/SJCounty-2025-Population-Forecast-and-Tech-Memo

Table 8 – Local Area Householder Forecast

Location	2025	2030	2035	2040	2045	2050
Escalon City	2,557	2,657	2,735	2,814	2,897	2,983
Lathrop City	9,776	11,557	13,337	15,120	16,903	18,686
Lodi City	23,880	24,846	25,591	26,344	27,139	27,967
Manteca City	29,117	30,537	31,642	32,763	33,957	35,208
Mountain House CDP	8,229	9,253	10,277	11,301	12,327	13,352
Ripon City	5,379	5,610	5,789	5,971	6,162	6,363
Stockton City	96,692	98,435	100,172	101,908	103,648	105,390
Tracy City	28,682	29,918	30,875	31,842	32,866	33,935
Unincorporated East	7,605	8,032	8,173	8,327	8,542	8,808
Unincorporated Northwest	26,228	27,740	28,262	28,828	29,610	30,569
Unincorporated Southwest	6,835	7,247	7,397	7,559	7,779	8,047
(Sub-Total Unincorporated)	*40,668*	*43,019*	*43,831*	*44,714*	*45,932*	*47,424*
Total San Joaquin County	**244,979**	**255,833**	**264,250**	**272,778**	**281,832**	**291,307**

Appendix E

Greenhouse Gas Emission Calculations

SJCOG 2026 RTP/SCS Greenhouse Gas Emission Calculations

Scenario	VMT*	CO2 (tons/day)	CO2e (tons/day)	CO2e (metric tons/year)	Population	Per Capita Emissions (MT of CO2e/person/year)
2025 SJCOG Baseline						
On-Road Motor Vehicles	18,854,706	8,671	8,845	2,928,615	804,252	3.64
2030 RTP/SCS						
On-Road Motor Vehicles	19,387,932	7,996	8,156	2,700,584	839,888	3.22
2045 RTP/SCS						
On-Road Motor Vehicles	21,068,148	7,957	8,116	2,687,377	925,241	2.90
2049 No Build						
On-Road Motor Vehicles	21,444,530	8,210	8,374	2,772,918	950,019	2.92
2049 Project						
On-Road Motor Vehicles	21,418,525	8,187	8,351	2,765,215	950,019	2.91
Difference (2049 Project - Baseline)	**2,563,819**	**(484)**	**(493)**	**(163,400)**		**(0.73)**
%	**14%**	**-6%**	**-6%**	**-6%**		**-20%**
Difference (2049 Project - No Build)	(26,004)	(23)	(23)	(7,703)		(0.01)
%	-0.12%	-0.28%	-0.28%	-0.28%		-0.28%

Notes

*** VMT from SJCOG "Transportation Model Metrics" Spreadsheet. Not adjusted for induced demand.**

Annual emissions - Total

1) Includes tire and break wear in the total PM

2) Includes only tire and break wear

Estimates calculated using EMFAC2021. SJCOG applied a ratio of 1:00:1:02 to all EMFAC2021 generated CO2 estimates for conversion to CO2e.

Emissions were adjusted using CARB's *EMFAC2021 Off-Model Greenhouse Gas Adjustment Factors to Remove the Impact of Advanced Clean Trucks, Zero-Emission Airport Shuttle, Heavy-Duty Omnibus and Warranty Phase I Regulations* https://ww2.arb.ca.gov/our-work/programs/msei/emfac2021-model-and-documentation

	SJCOG		
	Existing (2025)	**2049 No Build**	**2049 Project**
Daily VMT	18,854,706	21,444,530	21,418,525
Daily Trips	2,436,724	2,846,352	2,842,900
Daily Vehicles	468,331	545,536	544,875

- Daily VMT provided by SJCOG. ***Induced Demand not included.*** *Daily Trips and Daily Vehicles based*

Days per Year	365

SB 32 Analysis - CO_2 Emissions Estimates						
		SJCOG				
Year	VMT	CO_2 (tons/day)	CO_2 (lbs/day)	Population	Per Capita CO_2 (lbs/person/day)	% change from 1990 Baseline
1990*	n/a	n/a	n/a	n/a	23.0	n/a
2005	14,600,612	8,734.1	17,468,200.00	645,059	27.1	n/a
Baseline (2025)	18,854,706	8,671.1	17,342,168.40	804,252	21.6	-6.3%
2030 with 2026 RTP/SCS**	19,387,932	7,995.9	15,991,850.68	839,888	19.0	-17.3%
2049 with 2026 RTP/SCS	21,418,525	8,187.3	16,374,574.21	950,019	17.2	-25.1%

*1990 per capita levels assumed to be 15% below 2005 levels

	CO_2e (MT/year)	% Difference in Emissions Compared to 1990 Baseline
1990 Baseline	**2,463,413**	-
2030 RTP/SCS	**2,700,584**	**9.6%**
2045 RTP/SCS	**2,687,377**	**9.1%**

Table 4.9-4 **Per Capita Passenger Vehicle CO_2 Emissions Comparison**

	Percent Change in Per Capita CO_2 Emissions (lbs/day)		
	2005 Baseline (per SB 375)	2035	2049
Per Capita Passenger Vehicle Emissions[1]	20.4	16.7	14.8
Percent Change from in Per Capita GHG Emissions from 2005		-18.1%	-27.5%
SB 375 Target		-16%	n/a[2]
SB 375 Target Met?		Yes	n/a[2]

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Vehicles	All Vehicles
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Other Buses-Dsl	All Other Buses - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	All Other Buses-NG	All Other Buses - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Dsl	LDA - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Elec	LDA - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Gas	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDA-Phe	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Dsl	LDT1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Elec	LDT1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Gas	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT1-Phe	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Dsl	LDT2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Elec	LDT2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Gas	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LDT2-Phe	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Dsl	LHD1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Elec	LHD1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD1-Gas	LHD1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Dsl	LHD2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Elec	LHD2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	LHD2-Gas	LHD2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MCY-Gas	MCY - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Dsl	MDV - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Elec	MDV - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Gas	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MDV-Phe	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MH-Dsl	MH - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	MH-Gas	MH - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	Motor Coach-Dsl	Motor Coach - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	OBUS-Elec	OBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	OBUS-Gas	OBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	PTO-Dsl	PTO-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	PTO-Elec	PTO-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Dsl	SBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Elec	SBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-Gas	SBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	SBUS-NG	SBUS-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 4-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 5-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 6-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Public Class 7-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 5-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 6-NG	T6 Utility-NG

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6 Utility Class 7-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6TS-Elec	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T6TS-Gas	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 POLA Class 8-NG	T7 POLA-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-Elec	T7 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Public Class 8-NG	T7 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Dump Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Single Other Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7IS-Elec	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	T7IS-Gas	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Dsl	UBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Elec	UBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-Gas	UBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2025	Annual	San Joaquin (SJV)-2025-Annual	UBUS-NG	UBUS - NG

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
All Vehicles	1	468,330.7	18,854,706.5	18,115,214.4	739,492.1	2,436,723.5	8,366.9	143.1	156.5	8,666.5
All Other Buses-Dsl	1	58.4	2,968.0	2,968.0	0	519.4	3.73	0.0402		3.77
All Other Buses-NG	1	2.22	124.0	124.0	0	19.7	0.1343	0.0030		0.1373
LDA-Dsl	1	533.5	17,113.7	17,113.7	0	2,271.0	4.31			4.31
LDA-Elec	1	10,218.2	488,545.3	0	488,545.3	51,012.2				0
LDA-Gas	1	212,925.1	8,648,407.0	8,648,407.0	0	982,411.8	2,594.0		67.8	2,661.8
LDA-Phe	1	6,074.6	294,255.9	143,329.0	150,926.9	25,118.3	43.0		1.69	44.7
LDT1-Dsl	1	4.35	47.1	47.1	0	12.31	0.0209			0.0209
LDT1-Elec	1	33.7	1,564.6	0	1,564.6	165.5				0
LDT1-Gas	1	18,017.5	605,323.4	605,323.4	0	78,037.5	215.8		6.53	222.3
LDT1-Phe	1	29.5	1,602.9	697.6	905.4	122.0	0.2095		0.0087	0.2182
LDT2-Dsl	1	262.6	11,649.7	11,649.7	0	1,257.9	3.77			3.77
LDT2-Elec	1	645.5	22,624.6	0	22,624.6	3,284.2				0
LDT2-Gas	1	90,980.4	3,692,517.6	3,692,517.6	0	422,451.7	1,350.5		36.5	1,387.0
LDT2-Phe	1	788.3	40,729.4	18,596.2	22,133.2	3,259.7	5.58		0.2543	5.84
LHD1-Dsl	1.002989066	7,258.4	251,065.7	251,065.7	0	91,301.8	174.4	1.0684		175.5
LHD1-Elec	0	54.6	3,717.6	0	3,717.6	764.3				0
LHD1-Gas	1.003007452	8,120.0	288,328.4	288,328.4	0	120,976.6	276.6	0.9917	2.69	280.2
LHD2-Dsl	1.003092144	2,662.6	96,311.9	96,311.9	0	33,492.7	80.5	0.6218		81.1
LHD2-Elec	0	13.8	896.8	0	896.8	183.6				0
LHD2-Gas	1.002615151	970.2	33,936.0	33,936.0	0	14,454.6	25.3	0.1381	0.3181	25.8
MCY-Gas	1	10,319.0	55,532.3	55,532.3	0	20,637.9	9.88		0.7683	10.6
MDV-Dsl	1	1,197.0	44,638.2	44,638.2	0	5,517.0	20.0			20.0
MDV-Elec	1	709.4	24,816.7	0	24,816.7	3,607.1				0
MDV-Gas	1	79,431.9	2,795,637.4	2,795,637.4	0	358,415.9	1,298.2		39.2	1,337.4
MDV-Phe	1	562.5	26,693.5	12,606.6	14,086.9	2,326.0	4.14		0.2304	4.37
MH-Dsl	1	542.7	4,685.5	4,685.5	0	54.3	5.54			5.54
MH-Gas	1	1,156.3	10,085.6	10,085.6	0	115.7	21.4		0.0032	21.4
Motor Coach-Dsl	1	16.2	2,160.5	2,160.5	0	371.4	4.14	0.1813		4.32
OBUS-Elec	0	0.73	68.0	0	68.0	14.7				0
OBUS-Gas	1.001940253	146.8	6,280.1	6,280.1	0	2,936.8	12.1	0.0591	0.0793	12.2
PTO-Dsl	1.00269157		17,275.0	17,275.0	0		38.0			38.0
PTO-Elec	0		231.7	0	231.7					0
SBUS-Dsl	1.00118215	421.3	9,322.2	9,322.2	0	6,099.8	11.6	1.06		12.6
SBUS-Elec	0	0.59	76.0	0	76.0	32.7				0
SBUS-Gas	1.000956879	113.1	6,247.6	6,247.6	0	452.4	5.41	0.2924	0.0195	5.72
SBUS-NG	1.001174794	81.7	1,994.6	1,994.6	0	1,183.7	2.54	0.3586		2.90
T6 CAIRP Class 4-Dsl	1.003480761	9.09	599.5	599.5	0	208.8	0.7345	0.0058		0.7403
T6 CAIRP Class 4-Elec	0	0.1124	9.0	0	9.0	2.58				0
T6 CAIRP Class 5-Dsl	1.003094403	12.0	823.8	823.8	0	276.5	1.0101	0.0078		1.0179
T6 CAIRP Class 5-Elec	0	0.1300	11.0	0	11.0	2.99				0
T6 CAIRP Class 6-Dsl	1.004758328	40.6	2,138.0	2,138.0	0	933.8	2.58	0.0254		2.60
T6 CAIRP Class 6-Elec	0	0.73	43.4	0	43.4	16.9				0
T6 CAIRP Class 7-Dsl	1.001590803	67.1	13,551.7	13,551.7	0	1,542.3	15.3	0.0423		15.3
T6 CAIRP Class 7-Elec	0	0.62	131.4	0	131.4	14.3				0

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
T6 Instate Delivery Class 4-Dsl	1.002215767	216.9	7,282.7	7,282.7	0	3,095.0	9.24	0.4861		9.73
T6 Instate Delivery Class 4-Elec	0	1.78	71.0	0	71.0	25.4				0
T6 Instate Delivery Class 5-Dsl	1.002008836	139.6	4,740.2	4,740.2	0	1,992.3	6.05	0.3095		6.36
T6 Instate Delivery Class 5-Elec	0	1.07	43.0	0	43.0	15.3				0
T6 Instate Delivery Class 6-Dsl	1.002038385	608.4	20,562.9	20,562.9	0	8,682.6	26.1	1.35		27.5
T6 Instate Delivery Class 6-Elec	0	4.9	195.3	0	195.3	69.7				0
T6 Instate Delivery Class 7-Dsl	1.000815355	109.4	5,953.7	5,953.7	0	1,560.6	7.64	0.2485		7.89
T6 Instate Delivery Class 7-Elec	0	0.42	18.5	0	18.5	6.0				0
T6 Instate Delivery Class 7-NG	1.000306337	4.62	263.3	263.3	0	66.0	0.3016	0.0225		0.3241
T6 Instate Other Class 4-Dsl	1.00232808	393.0	16,187.0	16,187.0	0	4,543.0	20.1	0.9532		21.0
T6 Instate Other Class 4-Elec	0	3.4	156.4	0	156.4	39.2				0
T6 Instate Other Class 5-Dsl	1.001957989	1,060.2	45,757.1	45,757.1	0	12,256.3	56.7	2.54		59.3
T6 Instate Other Class 5-Elec	0	8.2	385.7	0	385.7	94.9				0
T6 Instate Other Class 6-Dsl	1.002084848	807.3	33,966.4	33,966.4	0	9,332.2	41.8	1.94		43.7
T6 Instate Other Class 6-Elec	0	6.6	305.6	0	305.6	76.4				0
T6 Instate Other Class 7-Dsl	1.002272149	516.6	22,620.5	22,620.5	0	5,971.9	27.4	1.28		28.7
T6 Instate Other Class 7-Elec	0	3.24	219.2	0	219.2	37.4				0
T6 Instate Other Class 7-NG	1.000924079	9.55	521.1	521.1	0	110.4	0.5175	0.0497		0.5671
T6 Instate Tractor Class 6-Dsl	1.001875314	9.53	447.9	447.9	0	110.2	0.5576	0.0232		0.5808
T6 Instate Tractor Class 6-Elec	0	0.1026	5.9	0	5.9	1.19				0
T6 Instate Tractor Class 7-Dsl	1.000898247	638.3	38,011.5	38,011.5	0	7,378.3	45.0	1.56		46.6
T6 Instate Tractor Class 7-Elec	0	1.15	82.3	0	82.3	13.3				0
T6 Instate Tractor Class 7-NG	1.000375906	15.6	1,067.5	1,067.5	0	179.9	1.06	0.0809		1.14
T6 OOS Class 4-Dsl	1	5.32	348.4	348.4	0	122.2	0.4219	0.0034		0.4253
T6 OOS Class 5-Dsl	1	7.01	478.0	478.0	0	161.1	0.5800	0.0045		0.5845
T6 OOS Class 6-Dsl	1	23.8	1,249.0	1,249.0	0	548.0	1.48	0.0147		1.50
T6 OOS Class 7-Dsl	1	36.1	9,081.6	9,081.6	0	830.3	10.2	0.0227		10.2
T6 Public Class 4-Dsl	1.002483901	26.6	902.8	902.8	0	136.5	1.21	0.1007		1.31
T6 Public Class 4-Elec	0	0.2887	12.5	0	12.5	1.48				0
T6 Public Class 4-NG	1.002726427	1.37	58.5	58.5	0	7.03	0.0603	0.0096		0.0699
T6 Public Class 5-Dsl	1.002086075	66.5	2,393.7	2,393.7	0	341.2	3.17	0.2485		3.42
T6 Public Class 5-Elec	0	0.67	28.8	0	28.8	3.44				0
T6 Public Class 5-NG	1.001566109	7.53	305.7	305.7	0	38.6	0.3220	0.0482		0.3702
T6 Public Class 6-Dsl	1.002451592	106.9	3,820.6	3,820.6	0	548.6	5.02	0.3834		5.41
T6 Public Class 6-Elec	0	1.11	45.1	0	45.1	5.7				0
T6 Public Class 6-NG	1.002392311	7.24	299.6	299.6	0	37.1	0.3158	0.0510		0.3668
T6 Public Class 7-Dsl	1.003001291	127.3	5,793.3	5,793.3	0	653.2	7.74	0.4423		8.18
T6 Public Class 7-Elec	0	1.50	94.9	0	94.9	7.7				0
T6 Public Class 7-NG	1.00165773	11.5	604.2	604.2	0	58.8	0.6343	0.0796		0.7138
T6 Utility Class 5-Dsl	1.004461251	29.0	1,178.2	1,178.2	0	371.8	1.42	0.0511		1.47
T6 Utility Class 5-Elec	0	0.52	22.6	0	22.6	6.7				0
T6 Utility Class 5-NG	1.002417767	0.0795	3.08	3.08	0	1.0180	0.0031	0.0003		0.0034
T6 Utility Class 6-Dsl	1.004542916	5.50	222.3	222.3	0	70.4	0.2671	0.0097		0.2767
T6 Utility Class 6-Elec	0	0.0989	4.3	0	4.3	1.27				0
T6 Utility Class 6-NG	1.001752211	0.0236	0.8876	0.8876	0	0.3018	0.0009	0.0001		0.0010

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
T6 Utility Class 7-Dsl	1.005304045	6.22	308.8	308.8	0	79.6	0.3706	0.0109		0.3815
T6 Utility Class 7-Elec	0	0.1116	6.9	0	6.9	1.43				0
T6 Utility Class 7-NG	1.001864726	0.0185	0.8472	0.8472	0	0.2373	0.0009	0.0001		0.0009
T6TS-Elec	0	3.8	352.3	0	352.3	75.9				0
T6TS-Gas	1.00252263	456.3	23,475.2	23,475.2	0	9,129.9	45.1	0.2514	0.3608	45.8
T7 CAIRP Class 8-Dsl	1.002471631	1,339.9	272,762.9	272,762.9	0	30,789.8	453.7	34.9		488.6
T7 CAIRP Class 8-Elec	0	16.5	3,243.3	0	3,243.3	378.1				0
T7 NNOOS Class 8-Dsl	1	1,202.9	326,324.4	326,324.4	0	27,642.5	530.4	37.7		568.1
T7 NOOS Class 8-Dsl	1	509.4	118,547.9	118,547.9	0	11,706.8	195.1	16.3		211.4
T7 Other Port Class 8-Dsl	1.00086731	26.7	4,960.6	4,960.6	0	437.1	8.98	0.2415		9.22
T7 Other Port Class 8-Elec	0	0.1095	26.1	0	26.1	1.79				0
T7 POAK Class 8-Dsl	1.000762007	118.1	11,754.7	11,754.7	0	1,931.8	21.2	1.06		22.3
T7 POAK Class 8-Elec	0	0.62	54.4	0	54.4	10.2				0
T7 POLA Class 8-Dsl	1.000314944	135.3	17,055.4	17,055.4	0	2,213.7	31.4	1.25		32.6
T7 POLA Class 8-Elec	0	0.2705	29.1	0	29.1	4.4				0
T7 POLA Class 8-NG	1.000413917	0.0628	7.7	7.7	0	1.03	0.0096	0.0011		0.0106
T7 Public Class 8-Dsl	1.002133951	332.0	14,276.3	14,276.3	0	1,703.3	29.0	1.16		30.1
T7 Public Class 8-Elec	0	2.82	180.5	0	180.5	14.4				0
T7 Public Class 8-NG	1.002419359	25.4	1,233.5	1,233.5	0	130.1	1.99	0.1535		2.15
T7 SWCV Class 8-Dsl	1.000371747	144.0	9,333.1	9,333.1	0	662.3	39.8	0.5672		40.4
T7 SWCV Class 8-Elec	0	1.73	109.6	0	109.6	8.0				0
T7 SWCV Class 8-NG	1.001018865	85.1	5,510.6	5,510.6	0	391.7	9.09	0.5893		9.7
T7 Single Concrete/Transit Mix Class 8-Dsl	1.004775403	104.1	7,332.1	7,332.1	0	980.2	13.1	0.4904		13.6
T7 Single Concrete/Transit Mix Class 8-Elec	0	1.77	145.8	0	145.8	16.6				0
T7 Single Concrete/Transit Mix Class 8-NG	1.002634117	2.72	194.1	194.1	0	25.6	0.2409	0.0254		0.2663
T7 Single Dump Class 8-Dsl	1.002210935	445.4	26,511.4	26,511.4	0	4,195.7	48.6	2.26		50.9
T7 Single Dump Class 8-Elec	0	3.20	259.0	0	259.0	30.1				0
T7 Single Dump Class 8-NG	1.001488296	15.7	919.5	919.5	0	147.9	1.24	0.1509		1.39
T7 Single Other Class 8-Dsl	1.002675375	999.4	50,326.3	50,326.3	0	9,414.7	89.7	4.77		94.5
T7 Single Other Class 8-Elec	0	12.3	762.3	0	762.3	116.0				0
T7 Single Other Class 8-NG	1.001518645	34.0	1,716.8	1,716.8	0	320.5	2.18	0.3217		2.51
T7 Tractor Class 8-Dsl	1.000977198	2,532.2	188,689.7	188,689.7	0	36,792.7	318.2	22.9		341.1
T7 Tractor Class 8-Elec	0	13.5	1,104.2	0	1,104.2	196.7				0
T7 Tractor Class 8-NG	1.000321933	45.3	3,343.8	3,343.8	0	657.6	4.23	0.7860		5.02
T7 Utility Class 8-Dsl	1.0019517	21.1	942.2	942.2	0	270.0	1.75	0.0364		1.79
T7 Utility Class 8-Elec	0	0.1318	8.4	0	8.4	1.69				0
T7IS-Elec	0	0.0034	1.01	0	1.01	0.0682				0
T7IS-Gas	1.002079671	1.1791	46.7	46.7	0	23.6	0.1078		0.0012	0.1090
UBUS-Dsl	0.999961979	63.0	4,276.5	4,276.5	0	252.1	5.02			5.02
UBUS-Elec	1	15.7	729.6	0	729.6	62.9				0
UBUS-Gas	0.996269827	43.5	3,280.6	3,280.6	0	174.2	6.53		0.0199	6.55
UBUS-NG	0.999972297	60.0	3,967.3	3,967.3	0	240.1	4.10			4.10

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	8,671.1	651.0	230.6	3.90
All Other Buses-Dsl	3.77		0.3397	
All Other Buses-NG	0.14			0.0169
LDA-Dsl	4.31		0.3877	
LDA-Elec	0.00			
LDA-Gas	2,661.75	285.3		
LDA-Phe	44.66	4.77		
LDT1-Dsl	0.02		0.0019	
LDT1-Elec	0.00			
LDT1-Gas	222.33	24.0		
LDT1-Phe	0.22	0.0233		
LDT2-Dsl	3.77		0.3389	
LDT2-Elec	0.00			
LDT2-Gas	1,387.04	148.6		
LDT2-Phe	5.84	0.6239		
LHD1-Dsl	176.01		15.8	
LHD1-Elec	0.00			
LHD1-Gas	281.09	30.0		
LHD2-Dsl	81.33		7.30	
LHD2-Elec	0.00			
LHD2-Gas	25.86	2.76		
MCY-Gas	10.64	1.35		
MDV-Dsl	20.01		1.80	
MDV-Elec	0.00			
MDV-Gas	1,337.39	143.4		
MDV-Phe	4.37	0.4673		
MH-Dsl	5.54		0.4986	
MH-Gas	21.44	2.29		
Motor Coach-Dsl	4.32		0.3892	
OBUS-Elec	0.00			
OBUS-Gas	12.26	1.31		
PTO-Dsl	38.14		3.42	
PTO-Elec	0.00			
SBUS-Dsl	12.62		1.13	
SBUS-Elec	0.00			
SBUS-Gas	5.73	0.6130		
SBUS-NG	2.90			0.3563
T6 CAIRP Class 4-Dsl	0.74		0.0666	
T6 CAIRP Class 4-Elec	0.00			
T6 CAIRP Class 5-Dsl	1.02		0.0916	
T6 CAIRP Class 5-Elec	0.00			
T6 CAIRP Class 6-Dsl	2.61		0.2341	
T6 CAIRP Class 6-Elec	0.00			
T6 CAIRP Class 7-Dsl	15.35		1.38	
T6 CAIRP Class 7-Elec	0.00			

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Instate Delivery Class 4-Dsl	9.75		0.8756	
T6 Instate Delivery Class 4-Elec	0.00			
T6 Instate Delivery Class 5-Dsl	6.37		0.5725	
T6 Instate Delivery Class 5-Elec	0.00			
T6 Instate Delivery Class 6-Dsl	27.53		2.47	
T6 Instate Delivery Class 6-Elec	0.00			
T6 Instate Delivery Class 7-Dsl	7.89		0.7097	
T6 Instate Delivery Class 7-Elec	0.00			
T6 Instate Delivery Class 7-NG	0.32			0.0399
T6 Instate Other Class 4-Dsl	21.05		1.89	
T6 Instate Other Class 4-Elec	0.00			
T6 Instate Other Class 5-Dsl	59.38		5.33	
T6 Instate Other Class 5-Elec	0.00			
T6 Instate Other Class 6-Dsl	43.84		3.94	
T6 Instate Other Class 6-Elec	0.00			
T6 Instate Other Class 7-Dsl	28.73		2.58	
T6 Instate Other Class 7-Elec	0.00			
T6 Instate Other Class 7-NG	0.57			0.0698
T6 Instate Tractor Class 6-Dsl	0.58		0.0523	
T6 Instate Tractor Class 6-Elec	0.00			
T6 Instate Tractor Class 7-Dsl	46.62		4.19	
T6 Instate Tractor Class 7-Elec	0.00			
T6 Instate Tractor Class 7-NG	1.14			0.1403
T6 OOS Class 4-Dsl	0.43		0.0383	
T6 OOS Class 5-Dsl	0.58		0.0526	
T6 OOS Class 6-Dsl	1.50		0.1347	
T6 OOS Class 7-Dsl	10.19		0.9167	
T6 Public Class 4-Dsl	1.31		0.1178	
T6 Public Class 4-Elec	0.00			
T6 Public Class 4-NG	0.07			0.0086
T6 Public Class 5-Dsl	3.42		0.3074	
T6 Public Class 5-Elec	0.00			
T6 Public Class 5-NG	0.37			0.0455
T6 Public Class 6-Dsl	5.42		0.4867	
T6 Public Class 6-Elec	0.00			
T6 Public Class 6-NG	0.37			0.0451
T6 Public Class 7-Dsl	8.20		0.7361	
T6 Public Class 7-Elec	0.00			
T6 Public Class 7-NG	0.72			0.0878
T6 Utility Class 5-Dsl	1.48		0.1324	
T6 Utility Class 5-Elec	0.00			
T6 Utility Class 5-NG	0.00			0.0004
T6 Utility Class 6-Dsl	0.28		0.0249	
T6 Utility Class 6-Elec	0.00			
T6 Utility Class 6-NG	0.00			0.0001

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Utility Class 7-Dsl	0.38		0.0343	
T6 Utility Class 7-Elec	0.00			
T6 Utility Class 7-NG	0.00			0.0001
T6TS-Elec	0.00			
T6TS-Gas	45.87	4.89		
T7 CAIRP Class 8-Dsl	489.77		44.0	
T7 CAIRP Class 8-Elec	0.00			
T7 NNOOS Class 8-Dsl	568.08		51.1	
T7 NOOS Class 8-Dsl	211.36		19.0	
T7 Other Port Class 8-Dsl	9.23		0.8295	
T7 Other Port Class 8-Elec	0.00			
T7 POAK Class 8-Dsl	22.30		2.01	
T7 POAK Class 8-Elec	0.00			
T7 POLA Class 8-Dsl	32.66		2.94	
T7 POLA Class 8-Elec	0.00			
T7 POLA Class 8-NG	0.01			0.0013
T7 Public Class 8-Dsl	30.21		2.71	
T7 Public Class 8-Elec	0.00			
T7 Public Class 8-NG	2.15			0.2640
T7 SWCV Class 8-Dsl	40.37		3.63	
T7 SWCV Class 8-Elec	0.00			
T7 SWCV Class 8-NG	9.69			1.19
T7 Single Concrete/Transit Mix Class 8-Dsl	13.70		1.23	
T7 Single Concrete/Transit Mix Class 8-Elec	0.00			
T7 Single Concrete/Transit Mix Class 8-NG	0.27			0.0328
T7 Single Dump Class 8-Dsl	50.98		4.58	
T7 Single Dump Class 8-Elec	0.00			
T7 Single Dump Class 8-NG	1.39			0.1712
T7 Single Other Class 8-Dsl	94.74		8.50	
T7 Single Other Class 8-Elec	0.00			
T7 Single Other Class 8-NG	2.51			0.3081
T7 Tractor Class 8-Dsl	341.46		30.7	
T7 Tractor Class 8-Elec	0.00			
T7 Tractor Class 8-NG	5.02			0.6175
T7 Utility Class 8-Dsl	1.79		0.1612	
T7 Utility Class 8-Elec	0.00			
T7IS-Elec	0.00			
T7IS-Gas	0.11	0.0128		
UBUS-Dsl	5.02		0.4522	
UBUS-Elec	0.00			
UBUS-Gas	6.53	0.6983		
UBUS-NG	4.10			0.5045

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	All Vehicles	All Vehicles
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	All Other Buses-Dsl	All Other Buses - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	All Other Buses-NG	All Other Buses - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDA-Dsl	LDA - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDA-Elec	LDA - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDA-Gas	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDA-Phe	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT1-Dsl	LDT1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT1-Elec	LDT1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT1-Gas	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT1-Phe	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT2-Dsl	LDT2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT2-Elec	LDT2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT2-Gas	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LDT2-Phe	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LHD1-Dsl	LHD1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LHD1-Elec	LHD1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LHD1-Gas	LHD1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LHD2-Dsl	LHD2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LHD2-Elec	LHD2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	LHD2-Gas	LHD2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MCY-Gas	MCY - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MDV-Dsl	MDV - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MDV-Elec	MDV - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MDV-Gas	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MDV-Phe	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MH-Dsl	MH - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	MH-Gas	MH - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	Motor Coach-Dsl	Motor Coach - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	OBUS-Elec	OBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	OBUS-Gas	OBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	PTO-Dsl	PTO-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	PTO-Elec	PTO-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	SBUS-Dsl	SBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	SBUS-Elec	SBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	SBUS-Gas	SBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	SBUS-NG	SBUS-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 4-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 4-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 5-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 5-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 6-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 6-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 7-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Public Class 7-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 5-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 6-NG	T6 Utility-NG

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6 Utility Class 7-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6TS-Elec	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T6TS-Gas	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 POLA Class 8-NG	T7 POLA-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Public Class 8-Elec	T7 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Public Class 8-NG	T7 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Dump Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Single Other Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7IS-Elec	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	T7IS-Gas	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	UBUS-Dsl	UBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	UBUS-Elec	UBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	UBUS-Gas	UBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2030	Annual	San Joaquin (SJV)-2030-Annual	UBUS-NG	UBUS - NG

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
All Vehicles	1	482,605.4	19,387,931.8	18,111,965.5	1,275,966.4	2,501,864.1	7,629.3	139.6	143.6	7,912.5
All Other Buses-Dsl	1	65.0	3,005.6	3,005.6	0	578.5	3.64	0.0427		3.68
All Other Buses-NG	1	3.42	164.3	164.3	0	30.5	0.1659	0.0044		0.1703
LDA-Dsl	1	331.7	10,584.1	10,584.1	0	1,431.3	2.49			2.49
LDA-Elec	1	17,368.4	767,875.3	0	767,875.3	84,720.4				0
LDA-Gas	1	212,235.5	8,546,517.3	8,546,517.3	0	977,521.0	2,333.0		61.7	2,394.7
LDA-Phe	1	8,101.9	363,453.4	162,984.4	200,469.0	33,501.5	49.0		2.12	51.1
LDT1-Dsl	1	0.3221	6.09	6.09	0	1.04	0.0024			0.0024
LDT1-Elec	1	114.5	5,427.5	0	5,427.5	570.3				0
LDT1-Gas	1	16,116.1	553,890.5	553,890.5	0	70,367.5	180.1		5.41	185.5
LDT1-Phe	1	96.4	4,859.8	2,011.0	2,848.9	398.8	0.6051		0.0270	0.6321
LDT2-Dsl	1	335.1	14,235.6	14,235.6	0	1,588.7	4.21			4.21
LDT2-Elec	1	1,723.9	55,957.1	0	55,957.1	8,569.5				0
LDT2-Gas	1	101,423.4	4,073,404.5	4,073,404.5	0	470,273.5	1,340.1		36.6	1,376.7
LDT2-Phe	1	1,552.1	73,005.7	31,213.3	41,792.5	6,417.8	9.39		0.4730	9.86
LHD1-Dsl	1.041045022	6,062.0	200,798.5	200,798.5	0	76,251.7	138.0	0.8629		138.9
LHD1-Elec	0	576.4	33,680.2	0	33,680.2	8,088.4				0
LHD1-Gas	1.043005796	7,204.3	256,597.6	256,597.6	0	107,333.0	229.3	0.8471	2.35	232.5
LHD2-Dsl	1.040941395	2,428.8	82,716.6	82,716.6	0	30,550.9	67.4	0.5490		67.9
LHD2-Elec	0	141.4	7,929.5	0	7,929.5	1,875.4				0
LHD2-Gas	1.038370731	842.6	28,990.1	28,990.1	0	12,553.6	20.0	0.1162	0.2663	20.4
MCY-Gas	1	9,828.7	51,926.3	51,926.3	0	19,657.4	9.29		0.6389	9.93
MDV-Dsl	1	1,084.5	37,300.2	37,300.2	0	4,901.9	15.5			15.5
MDV-Elec	1	1,759.2	56,678.5	0	56,678.5	8,724.3				0
MDV-Gas	1	74,536.6	2,620,824.6	2,620,824.6	0	335,849.1	1,101.1		33.3	1,134.4
MDV-Phe	1	1,029.1	45,425.6	19,665.3	25,760.2	4,255.5	6.52		0.3910	6.91
MH-Dsl	1	495.2	4,147.8	4,147.8	0	49.5	4.91			4.91
MH-Gas	1	873.3	7,784.7	7,784.7	0	87.4	16.5		0.0024	16.6
Motor Coach-Dsl	1	18.2	2,157.2	2,157.2	0	418.7	3.90	0.1930		4.10
OBUS-Elec	0	6.35	556.6	0	556.6	127.0				0
OBUS-Gas	1.060045122	119.1	4,705.5	4,705.5	0	2,383.2	8.61	0.0467	0.0627	8.72
PTO-Dsl	1.06166606		16,348.4	16,348.4	0		34.0			34.0
PTO-Elec	0		1,884.1	0	1,884.1					0
SBUS-Dsl	1.032343042	394.2	8,405.6	8,405.6	0	5,708.4	10.2	0.9657		11.2
SBUS-Elec	0	4.37	749.0	0	749.0	329.4				0
SBUS-Gas	1.020555981	114.8	6,311.4	6,311.4	0	459.4	5.42	0.2943	0.0196	5.73
SBUS-NG	1.033694653	89.7	2,057.1	2,057.1	0	1,298.6	2.55	0.3940		2.94
T6 CAIRP Class 4-Dsl	1.096392336	8.37	555.7	555.7	0	192.3	0.6577	0.0051		0.6628
T6 CAIRP Class 4-Elec	0	1.05	86.0	0	86.0	24.0				0
T6 CAIRP Class 5-Dsl	1.090835726	10.8	768.1	768.1	0	247.8	0.9120	0.0066		0.9186
T6 CAIRP Class 5-Elec	0	1.25	112.3	0	112.3	28.7				0
T6 CAIRP Class 6-Dsl	1.110273443	41.7	1,957.0	1,957.0	0	958.5	2.29	0.0250		2.31
T6 CAIRP Class 6-Elec	0	6.20	343.3	0	343.3	142.6				0
T6 CAIRP Class 7-Dsl	1.049490706	67.7	13,286.1	13,286.1	0	1,554.6	14.1	0.0401		14.1
T6 CAIRP Class 7-Elec	0	5.29	1,142.6	0	1,142.6	121.5				0

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
T6 Instate Delivery Class 4-Dsl	1.061721713	212.6	7,010.8	7,010.8	0	3,034.3	8.65	0.4559		9.10
T6 Instate Delivery Class 4-Elec	0	18.7	743.6	0	743.6	266.8				0
T6 Instate Delivery Class 5-Dsl	1.059518602	138.5	4,570.7	4,570.7	0	1,976.4	5.66	0.2951		5.96
T6 Instate Delivery Class 5-Elec	0	11.9	473.1	0	473.1	169.3				0
T6 Instate Delivery Class 6-Dsl	1.060244214	600.5	19,818.1	19,818.1	0	8,568.9	24.5	1.28		25.7
T6 Instate Delivery Class 6-Elec	0	52.0	2,071.2	0	2,071.2	742.7				0
T6 Instate Delivery Class 7-Dsl	1.022062349	121.0	6,088.1	6,088.1	0	1,727.4	7.73	0.2712		8.00
T6 Instate Delivery Class 7-Elec	0	4.49	227.9	0	227.9	64.1				0
T6 Instate Delivery Class 7-NG	1.015506946	4.81	259.2	259.2	0	68.7	0.2953	0.0233		0.3186
T6 Instate Other Class 4-Dsl	1.069989713	386.6	15,400.3	15,400.3	0	4,469.6	18.5	0.8937		19.4
T6 Instate Other Class 4-Elec	0	38.3	1,833.6	0	1,833.6	442.4				0
T6 Instate Other Class 5-Dsl	1.066854409	1,086.6	43,735.1	43,735.1	0	12,561.5	52.6	2.50		55.1
T6 Instate Other Class 5-Elec	0	102.3	4,922.0	0	4,922.0	1,182.5				0
T6 Instate Other Class 6-Dsl	1.067276657	807.1	32,450.5	32,450.5	0	9,330.2	38.8	1.86		40.7
T6 Instate Other Class 6-Elec	0	77.1	3,689.0	0	3,689.0	891.7				0
T6 Instate Other Class 7-Dsl	1.054360192	584.6	22,148.8	22,148.8	0	6,757.9	26.3	1.42		27.8
T6 Instate Other Class 7-Elec	0	29.5	1,979.2	0	1,979.2	340.4				0
T6 Instate Other Class 7-NG	1.039653392	11.1	505.7	505.7	0	128.5	0.4914	0.0570		0.5484
T6 Instate Tractor Class 6-Dsl	1.075928742	9.34	422.3	422.3	0	107.9	0.5033	0.0216		0.5249
T6 Instate Tractor Class 6-Elec	0	0.9129	56.2	0	56.2	10.6				0
T6 Instate Tractor Class 7-Dsl	1.022498353	737.0	38,707.7	38,707.7	0	8,520.0	44.3	1.77		46.1
T6 Instate Tractor Class 7-Elec	0	19.6	1,573.2	0	1,573.2	226.6				0
T6 Instate Tractor Class 7-NG	1.017678158	17.5	1,014.2	1,014.2	0	202.2	0.9862	0.0896		1.08
T6 OOS Class 4-Dsl	1	5.46	367.4	367.4	0	125.4	0.4132	0.0032		0.4164
T6 OOS Class 5-Dsl	1	6.96	504.0	504.0	0	159.9	0.5701	0.0041		0.5742
T6 OOS Class 6-Dsl	1	27.6	1,317.0	1,317.0	0	633.9	1.45	0.0157		1.47
T6 OOS Class 7-Dsl	1	37.2	9,576.4	9,576.4	0	854.2	9.87	0.0215		9.89
T6 Public Class 4-Dsl	1.05058232	23.2	832.7	832.7	0	119.0	1.07	0.0818		1.15
T6 Public Class 4-Elec	0	2.01	86.4	0	86.4	10.3				0
T6 Public Class 4-NG	1.059647308	1.93	79.2	79.2	0	9.92	0.0810	0.0134		0.0945
T6 Public Class 5-Dsl	1.052523233	62.9	2,237.5	2,237.5	0	322.6	2.87	0.2211		3.09
T6 Public Class 5-Elec	0	5.67	243.2	0	243.2	29.1				0
T6 Public Class 5-NG	1.047452678	8.34	316.4	316.4	0	42.8	0.3292	0.0543		0.3835
T6 Public Class 6-Dsl	1.051459597	97.4	3,546.3	3,546.3	0	499.6	4.52	0.3326		4.85
T6 Public Class 6-Elec	0	8.52	354.6	0	354.6	43.7				0
T6 Public Class 6-NG	1.052954466	9.28	369.4	369.4	0	47.6	0.3833	0.0649		0.4482
T6 Public Class 7-Dsl	1.06152394	119.0	5,346.5	5,346.5	0	610.5	6.81	0.3948		7.21
T6 Public Class 7-Elec	0	10.6	642.9	0	642.9	54.5				0
T6 Public Class 7-NG	1.059098691	14.2	666.7	666.7	0	73.0	0.6905	0.0986		0.7891
T6 Utility Class 5-Dsl	1.109653361	26.1	1,046.8	1,046.8	0	334.6	1.23	0.0434		1.27
T6 Utility Class 5-Elec	0	4.29	185.0	0	185.0	54.9				0
T6 Utility Class 5-NG	1.093494929	0.0612	2.38	2.38	0	0.7837	0.0023	0.0002		0.0025
T6 Utility Class 6-Dsl	1.110697528	4.94	197.6	197.6	0	63.2	0.2315	0.0082		0.2397
T6 Utility Class 6-Elec	0	0.8145	35.1	0	35.1	10.4				0
T6 Utility Class 6-NG	1.079799823	0.0143	0.5313	0.5313	0	0.1836	0.0005	0.0001		0.0006

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
T6 Utility Class 7-Dsl	1.125386007	5.47	270.2	270.2	0	70.0	0.3160	0.0091		0.3251
T6 Utility Class 7-Elec	0	0.8955	53.7	0	53.7	11.5				0
T6 Utility Class 7-NG	1.083846349	0.0134	0.6458	0.6458	0	0.1711	0.0006	0.0000		0.0007
T6TS-Elec	0	33.1	2,906.0	0	2,906.0	663.2				0
T6TS-Gas	1.066929345	395.9	21,496.7	21,496.7	0	7,921.1	39.3	0.2079	0.2984	39.8
T7 CAIRP Class 8-Dsl	1.050922252	1,342.4	271,686.2	271,686.2	0	30,849.0	415.5	32.1		447.5
T7 CAIRP Class 8-Elec	0	116.4	24,801.1	0	24,801.1	2,675.9				0
T7 NNOOS Class 8-Dsl	1	1,270.4	350,539.3	350,539.3	0	29,193.6	507.4	35.8		543.2
T7 NOOS Class 8-Dsl	1	549.3	127,344.7	127,344.7	0	12,623.4	188.2	15.7		203.9
T7 Other Port Class 8-Dsl	1.036709935	23.3	5,418.2	5,418.2	0	381.0	9.09	0.1910		9.28
T7 Other Port Class 8-Elec	0	1.17	367.6	0	367.6	19.2				0
T7 POAK Class 8-Dsl	1.024272138	108.3	11,805.8	11,805.8	0	1,772.5	20.1	0.8802		21.0
T7 POAK Class 8-Elec	0	5.30	546.3	0	546.3	86.7				0
T7 POLA Class 8-Dsl	1.010199449	132.8	19,726.2	19,726.2	0	2,173.1	35.6	1.17		36.8
T7 POLA Class 8-Elec	0	2.68	371.2	0	371.2	43.9				0
T7 POLA Class 8-NG	1.015562295	0.1773	26.1	26.1	0	2.90	0.0322	0.0030		0.0351
T7 Public Class 8-Dsl	1.047763105	315.9	13,364.2	13,364.2	0	1,620.7	26.1	1.04		27.1
T7 Public Class 8-Elec	0	22.6	1,378.8	0	1,378.8	115.8				0
T7 Public Class 8-NG	1.068071516	29.9	1,342.7	1,342.7	0	153.4	2.11	0.1798		2.29
T7 SWCV Class 8-Dsl	1.010612531	119.4	7,743.4	7,743.4	0	549.2	31.5	0.4443		31.9
T7 SWCV Class 8-Elec	0	15.2	972.9	0	972.9	69.9				0
T7 SWCV Class 8-NG	1.032823012	102.1	6,613.8	6,613.8	0	469.6	10.0	0.6887		10.7
T7 Single Concrete/Transit Mix Class 8-Dsl	1.109177358	93.9	6,268.4	6,268.4	0	884.9	10.7	0.4169		11.1
T7 Single Concrete/Transit Mix Class 8-Elec	0	14.0	1,146.4	0	1,146.4	132.1				0
T7 Single Concrete/Transit Mix Class 8-NG	1.088637103	2.87	200.1	200.1	0	27.1	0.2377	0.0265		0.2642
T7 Single Dump Class 8-Dsl	1.055205177	461.0	24,173.8	24,173.8	0	4,343.0	42.8	2.24		45.0
T7 Single Dump Class 8-Elec	0	30.4	2,471.9	0	2,471.9	286.2				0
T7 Single Dump Class 8-NG	1.04278806	16.2	838.1	838.1	0	152.9	1.07	0.1544		1.23
T7 Single Other Class 8-Dsl	1.057258325	1,162.5	49,136.9	49,136.9	0	10,950.5	84.6	5.31		89.9
T7 Single Other Class 8-Elec	0	104.1	5,870.5	0	5,870.5	980.2				0
T7 Single Other Class 8-NG	1.046554009	40.4	1,716.3	1,716.3	0	380.8	2.09	0.3777		2.47
T7 Tractor Class 8-Dsl	1.022694346	2,946.8	195,185.7	195,185.7	0	42,817.0	311.7	25.0		336.7
T7 Tractor Class 8-Elec	0	113.0	9,007.4	0	9,007.4	1,641.6				0
T7 Tractor Class 8-NG	1.011371168	50.1	3,276.4	3,276.4	0	727.5	3.95	0.8597		4.81
T7 Utility Class 8-Dsl	1.051477224	20.9	891.5	891.5	0	268.0	1.61	0.0344		1.65
T7 Utility Class 8-Elec	0	1.37	83.0	0	83.0	17.5				0
T7IS-Elec	0	0.0307	8.15	0	8.15	0.6152				0
T7IS-Gas	1.057635132	0.3686	51.5	51.5	0	7.38	0.1054		0.0003	0.1057
UBUS-Dsl	0.999822525	32.5	2,284.4	2,284.4	0	130.1	2.76			2.76
UBUS-Elec	1	56.6	3,572.6	0	3,572.6	226.5				0
UBUS-Gas	0.980790845	24.4	1,957.1	1,957.1	0	97.6	3.90		0.0112	3.91
UBUS-NG	0.999633461	73.3	4,748.8	4,748.8	0	293.4	5.03			5.03

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	7,995.9	588.8	214.3	4.13
All Other Buses-Dsl	3.68		0.3312	
All Other Buses-NG	0.17			0.0209
LDA-Dsl	2.49		0.2240	
LDA-Elec	0.00			
LDA-Gas	2,394.72	256.4		
LDA-Phe	51.10	5.46		
LDT1-Dsl	0.00		0.0002	
LDT1-Elec	0.00			
LDT1-Gas	185.46	19.9		
LDT1-Phe	0.63	0.0676		
LDT2-Dsl	4.21		0.3785	
LDT2-Elec	0.00			
LDT2-Gas	1,376.66	147.4		
LDT2-Phe	9.86	1.05		
LHD1-Dsl	144.55		12.5	
LHD1-Elec	0.00			
LHD1-Gas	242.51	24.9		
LHD2-Dsl	70.68		6.11	
LHD2-Elec	0.00			
LHD2-Gas	21.14	2.18		
MCY-Gas	9.93	1.23		
MDV-Dsl	15.52		1.40	
MDV-Elec	0.00			
MDV-Gas	1,134.39	121.5		
MDV-Phe	6.91	0.7393		
MH-Dsl	4.91		0.4422	
MH-Gas	16.55	1.76		
Motor Coach-Dsl	4.10		0.3688	
OBUS-Elec	0.00			
OBUS-Gas	9.24	0.9315		
PTO-Dsl	36.14		3.06	
PTO-Elec	0.00			
SBUS-Dsl	11.55		1.01	
SBUS-Elec	0.00			
SBUS-Gas	5.85	0.6139		
SBUS-NG	3.04			0.3620
T6 CAIRP Class 4-Dsl	0.73		0.0597	
T6 CAIRP Class 4-Elec	0.00			
T6 CAIRP Class 5-Dsl	1.00		0.0827	
T6 CAIRP Class 5-Elec	0.00			
T6 CAIRP Class 6-Dsl	2.57		0.2080	
T6 CAIRP Class 6-Elec	0.00			
T6 CAIRP Class 7-Dsl	14.79		1.27	
T6 CAIRP Class 7-Elec	0.00			

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Instate Delivery Class 4-Dsl	9.66		0.8193	
T6 Instate Delivery Class 4-Elec	0.00			
T6 Instate Delivery Class 5-Dsl	6.31		0.5362	
T6 Instate Delivery Class 5-Elec	0.00			
T6 Instate Delivery Class 6-Dsl	27.30		2.32	
T6 Instate Delivery Class 6-Elec	0.00			
T6 Instate Delivery Class 7-Dsl	8.18		0.7201	
T6 Instate Delivery Class 7-Elec	0.00			
T6 Instate Delivery Class 7-NG	0.32			0.0392
T6 Instate Other Class 4-Dsl	20.74		1.74	
T6 Instate Other Class 4-Elec	0.00			
T6 Instate Other Class 5-Dsl	58.79		4.96	
T6 Instate Other Class 5-Elec	0.00			
T6 Instate Other Class 6-Dsl	43.43		3.66	
T6 Instate Other Class 6-Elec	0.00			
T6 Instate Other Class 7-Dsl	29.28		2.50	
T6 Instate Other Class 7-Elec	0.00			
T6 Instate Other Class 7-NG	0.57			0.0675
T6 Instate Tractor Class 6-Dsl	0.56		0.0472	
T6 Instate Tractor Class 6-Elec	0.00			
T6 Instate Tractor Class 7-Dsl	47.15		4.15	
T6 Instate Tractor Class 7-Elec	0.00			
T6 Instate Tractor Class 7-NG	1.09			0.1323
T6 OOS Class 4-Dsl	0.42		0.0375	
T6 OOS Class 5-Dsl	0.57		0.0517	
T6 OOS Class 6-Dsl	1.47		0.1322	
T6 OOS Class 7-Dsl	9.89		0.8901	
T6 Public Class 4-Dsl	1.21		0.1039	
T6 Public Class 4-Elec	0.00			
T6 Public Class 4-NG	0.10			0.0116
T6 Public Class 5-Dsl	3.26		0.2785	
T6 Public Class 5-Elec	0.00			
T6 Public Class 5-NG	0.40			0.0472
T6 Public Class 6-Dsl	5.10		0.4364	
T6 Public Class 6-Elec	0.00			
T6 Public Class 6-NG	0.47			0.0551
T6 Public Class 7-Dsl	7.65		0.6487	
T6 Public Class 7-Elec	0.00			
T6 Public Class 7-NG	0.84			0.0971
T6 Utility Class 5-Dsl	1.41		0.1146	
T6 Utility Class 5-Elec	0.00			
T6 Utility Class 5-NG	0.00			0.0003
T6 Utility Class 6-Dsl	0.27		0.0216	
T6 Utility Class 6-Elec	0.00			
T6 Utility Class 6-NG	0.00			0.0001

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Utility Class 7-Dsl	0.37		0.0293	
T6 Utility Class 7-Elec	0.00			
T6 Utility Class 7-NG	0.00			0.0001
T6TS-Elec	0.00			
T6TS-Gas	42.44	4.25		
T7 CAIRP Class 8-Dsl	470.33		40.3	
T7 CAIRP Class 8-Elec	0.00			
T7 NNOOS Class 8-Dsl	543.22		48.9	
T7 NOOS Class 8-Dsl	203.90		18.4	
T7 Other Port Class 8-Dsl	9.62		0.8349	
T7 Other Port Class 8-Elec	0.00			
T7 POAK Class 8-Dsl	21.47		1.89	
T7 POAK Class 8-Elec	0.00			
T7 POLA Class 8-Dsl	37.15		3.31	
T7 POLA Class 8-Elec	0.00			
T7 POLA Class 8-NG	0.04			0.0043
T7 Public Class 8-Dsl	28.41		2.44	
T7 Public Class 8-Elec	0.00			
T7 Public Class 8-NG	2.45			0.2821
T7 SWCV Class 8-Dsl	32.25		2.87	
T7 SWCV Class 8-Elec	0.00			
T7 SWCV Class 8-NG	11.04			1.32
T7 Single Concrete/Transit Mix Class 8-Dsl	12.33		1.00	
T7 Single Concrete/Transit Mix Class 8-Elec	0.00			
T7 Single Concrete/Transit Mix Class 8-NG	0.29			0.0325
T7 Single Dump Class 8-Dsl	47.51		4.05	
T7 Single Dump Class 8-Elec	0.00			
T7 Single Dump Class 8-NG	1.28			0.1509
T7 Single Other Class 8-Dsl	95.06		8.09	
T7 Single Other Class 8-Elec	0.00			
T7 Single Other Class 8-NG	2.58			0.3037
T7 Tractor Class 8-Dsl	344.33		30.3	
T7 Tractor Class 8-Elec	0.00			
T7 Tractor Class 8-NG	4.87			0.5917
T7 Utility Class 8-Dsl	1.73		0.1484	
T7 Utility Class 8-Elec	0.00			
T7IS-Elec	0.00			
T7IS-Gas	0.11	0.0115		
UBUS-Dsl	2.76		0.2480	
UBUS-Elec	0.00			
UBUS-Gas	3.83	0.4165		
UBUS-NG	5.03			0.6188

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	All Vehicles	All Vehicles
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	All Other Buses-Dsl	All Other Buses - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	All Other Buses-NG	All Other Buses - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDA-Dsl	LDA - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDA-Elec	LDA - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDA-Gas	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDA-Phe	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT1-Dsl	LDT1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT1-Elec	LDT1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT1-Gas	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT1-Phe	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT2-Dsl	LDT2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT2-Elec	LDT2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT2-Gas	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LDT2-Phe	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LHD1-Dsl	LHD1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LHD1-Elec	LHD1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LHD1-Gas	LHD1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LHD2-Dsl	LHD2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LHD2-Elec	LHD2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	LHD2-Gas	LHD2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MCY-Gas	MCY - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MDV-Dsl	MDV - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MDV-Elec	MDV - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MDV-Gas	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MDV-Phe	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MH-Dsl	MH - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	MH-Gas	MH - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	Motor Coach-Dsl	Motor Coach - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	OBUS-Elec	OBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	OBUS-Gas	OBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	PTO-Dsl	PTO-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	PTO-Elec	PTO-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	SBUS-Dsl	SBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	SBUS-Elec	SBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	SBUS-Gas	SBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	SBUS-NG	SBUS-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 4-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 4-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 5-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 5-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 6-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 6-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 7-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Public Class 7-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 5-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 6-NG	T6 Utility-NG

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6 Utility Class 7-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6TS-Elec	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T6TS-Gas	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 POLA Class 8-NG	T7 POLA-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Public Class 8-Elec	T7 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Public Class 8-NG	T7 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Dump Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Single Other Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7IS-Elec	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	T7IS-Gas	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	UBUS-Dsl	UBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	UBUS-Elec	UBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	UBUS-Gas	UBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2045	Annual	San Joaquin (SJV)-2045-Annual	UBUS-NG	UBUS - NG

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
All Vehicles	1	533,802.0	21,068,148.3	18,663,655.5	2,404,492.8	2,773,480.9	7,066.4	148.0	132.7	7,347.2
All Other Buses-Dsl	1	70.3	3,140.2	3,140.2	0	625.6	3.58	0.0419		3.62
All Other Buses-NG	1	5.41	228.0	228.0	0	48.2	0.2151	0.0065		0.2217
LDA-Dsl	1	145.4	5,131.5	5,131.5	0	644.8	1.00			1.00
LDA-Elec	1	30,015.8	1,135,946.8	0	1,135,946.8	140,296.1				0
LDA-Gas	1	221,883.4	8,749,404.3	8,749,404.3	0	1,024,140.4	2,137.3		56.8	2,194.0
LDA-Phe	1	10,408.7	413,094.2	168,813.8	244,280.4	43,039.9	51.3		2.49	53.8
LDT1-Dsl	1	0.1596	6.10	6.10	0	0.7374	0.0022			0.0022
LDT1-Elec	1	403.6	15,510.7	0	15,510.7	1,897.1				0
LDT1-Gas	1	14,427.0	519,015.3	519,015.3	0	64,923.2	146.7		4.23	150.9
LDT1-Phe	1	310.8	12,349.7	5,028.3	7,321.4	1,285.1	1.53		0.0855	1.61
LDT2-Dsl	1	455.8	17,436.1	17,436.1	0	2,104.5	4.69			4.69
LDT2-Elec	1	4,659.7	123,332.3	0	123,332.3	21,865.1				0
LDT2-Gas	1	121,191.6	4,577,363.0	4,577,363.0	0	556,066.0	1,340.1		37.7	1,377.8
LDT2-Phe	1	3,224.6	125,089.9	51,037.9	74,052.0	13,333.8	15.5		0.9355	16.4
LHD1-Dsl	1.586890542	3,132.5	98,406.2	98,406.2	0	39,402.4	65.1	0.4063		65.5
LHD1-Elec	0	4,595.5	195,486.1	0	195,486.1	64,664.6				0
LHD1-Gas	1.625233765	4,731.9	157,711.7	157,711.7	0	70,497.9	129.0	0.5197	1.40	130.9
LHD2-Dsl	1.556295501	1,547.9	46,565.8	46,565.8	0	19,470.5	36.0	0.3280		36.4
LHD2-Elec	0	1,070.7	44,462.2	0	44,462.2	14,170.5				0
LHD2-Gas	1.594353597	497.4	16,340.7	16,340.7	0	7,411.2	9.98	0.0637	0.1442	10.2
MCY-Gas	1	9,421.4	49,123.4	49,123.4	0	18,842.9	8.85		0.4594	9.31
MDV-Dsl	1	814.7	27,855.2	27,855.2	0	3,661.4	9.85			9.85
MDV-Elec	1	4,326.0	113,159.8	0	113,159.8	20,215.5				0
MDV-Gas	1	72,599.0	2,536,200.7	2,536,200.7	0	328,514.1	920.7		27.6	948.3
MDV-Phe	1	2,061.3	75,443.2	30,800.5	44,642.7	8,523.3	10.2		0.7339	11.0
MH-Dsl	1	367.0	3,248.0	3,248.0	0	36.7	3.87			3.87
MH-Gas	1	547.2	5,624.7	5,624.7	0	54.7	12.0		0.0015	12.0
Motor Coach-Dsl	1	17.3	2,191.4	2,191.4	0	396.5	3.67	0.1579		3.83
OBUS-Elec	0	36.9	2,567.2	0	2,567.2	738.4				0
OBUS-Gas	1.908523492	65.2	2,251.8	2,251.8	0	1,304.6	3.79	0.0241	0.0323	3.84
PTO-Dsl	1.803485583		11,703.0	11,703.0	0		22.3			22.3
PTO-Elec	0		11,136.9	0	11,136.9					0
SBUS-Dsl	1.583661815	203.9	4,272.0	4,272.0	0	2,952.6	4.85	0.4182		5.27
SBUS-Elec	0	24.3	5,870.9	0	5,870.9	2,780.1				0
SBUS-Gas	1.333174415	80.8	4,299.7	4,299.7	0	323.2	3.54	0.1984	0.0132	3.75
SBUS-NG	1.537550324	67.2	1,378.8	1,378.8	0	972.7	1.54	0.2997		1.84
T6 CAIRP Class 4-Dsl	2.260146672	5.00	357.7	357.7	0	114.9	0.3974	0.0028		0.4002
T6 CAIRP Class 4-Elec	0	6.58	503.5	0	503.5	151.3				0
T6 CAIRP Class 5-Dsl	2.256103779	6.15	491.6	491.6	0	141.3	0.5463	0.0035		0.5498
T6 CAIRP Class 5-Elec	0	8.06	689.8	0	689.8	185.3				0
T6 CAIRP Class 6-Dsl	2.267324628	27.9	1,278.2	1,278.2	0	640.2	1.42	0.0156		1.43
T6 CAIRP Class 6-Elec	0	37.0	1,808.7	0	1,808.7	849.5				0
T6 CAIRP Class 7-Dsl	1.260104459	72.7	14,709.3	14,709.3	0	1,671.1	14.4	0.0399		14.5
T6 CAIRP Class 7-Elec	0	22.1	4,653.5	0	4,653.5	508.0				0

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
T6 Instate Delivery Class 4-Dsl	1.928272398	152.4	5,008.9	5,008.9	0	2,174.4	5.74	0.2936		6.03
T6 Instate Delivery Class 4-Elec	0	152.3	5,397.3	0	5,397.3	2,172.7				0
T6 Instate Delivery Class 5-Dsl	1.927081738	99.3	3,262.5	3,262.5	0	1,416.5	3.74	0.1913		3.93
T6 Instate Delivery Class 5-Elec	0	98.8	3,506.2	0	3,506.2	1,410.3				0
T6 Instate Delivery Class 6-Dsl	1.930831639	430.6	14,153.7	14,153.7	0	6,145.2	16.2	0.8299		17.1
T6 Instate Delivery Class 6-Elec	0	429.2	15,221.0	0	15,221.0	6,125.2				0
T6 Instate Delivery Class 7-Dsl	1.499589013	106.4	5,380.7	5,380.7	0	1,518.4	6.34	0.2148		6.56
T6 Instate Delivery Class 7-Elec	0	60.4	3,253.2	0	3,253.2	861.2				0
T6 Instate Delivery Class 7-NG	1.401444907	3.85	189.8	189.8	0	54.9	0.2088	0.0180		0.2269
T6 Instate Other Class 4-Dsl	1.986592759	280.0	10,812.8	10,812.8	0	3,236.9	12.0	0.5803		12.6
T6 Instate Other Class 4-Elec	0	279.1	12,314.5	0	12,314.5	3,225.9				0
T6 Instate Other Class 5-Dsl	1.987989581	791.0	30,535.6	30,535.6	0	9,143.8	33.9	1.64		35.5
T6 Instate Other Class 5-Elec	0	786.5	34,760.8	0	34,760.8	9,092.2				0
T6 Instate Other Class 6-Dsl	1.986969621	588.4	22,697.4	22,697.4	0	6,801.7	25.2	1.22		26.4
T6 Instate Other Class 6-Elec	0	584.4	25,800.7	0	25,800.7	6,755.3				0
T6 Instate Other Class 7-Dsl	1.620248979	472.7	18,621.2	18,621.2	0	5,464.2	20.8	1.03		21.9
T6 Instate Other Class 7-Elec	0	255.4	13,976.9	0	13,976.9	2,952.6				0
T6 Instate Other Class 7-NG	1.51109084	11.7	459.6	459.6	0	135.7	0.4284	0.0580		0.4864
T6 Instate Tractor Class 6-Dsl	2.0384636	6.60	293.9	293.9	0	76.3	0.3261	0.0137		0.3398
T6 Instate Tractor Class 6-Elec	0	6.56	348.2	0	348.2	75.8				0
T6 Instate Tractor Class 7-Dsl	1.176736256	763.2	43,984.6	43,984.6	0	8,822.2	45.1	1.62		46.7
T6 Instate Tractor Class 7-Elec	0	145.8	10,288.2	0	10,288.2	1,685.1				0
T6 Instate Tractor Class 7-NG	1.138259876	20.2	1,144.1	1,144.1	0	234.0	1.05	0.0981		1.15
T6 OOS Class 4-Dsl	1	6.74	493.1	493.1	0	155.0	0.5139	0.0036		0.5175
T6 OOS Class 5-Dsl	1	8.30	676.4	676.4	0	190.6	0.7055	0.0044		0.7099
T6 OOS Class 6-Dsl	1	37.6	1,767.4	1,767.4	0	863.0	1.84	0.0198		1.86
T6 OOS Class 7-Dsl	1	46.3	12,851.3	12,851.3	0	1,063.2	12.1	0.0243		12.1
T6 Public Class 4-Dsl	1.705462353	14.6	500.4	500.4	0	74.9	0.5970	0.0447		0.6417
T6 Public Class 4-Elec	0	12.4	493.7	0	493.7	63.8				0
T6 Public Class 4-NG	1.660789344	1.92	66.6	66.6	0	9.86	0.0675	0.0132		0.0807
T6 Public Class 5-Dsl	1.703186046	40.8	1,398.4	1,398.4	0	209.5	1.67	0.1261		1.80
T6 Public Class 5-Elec	0	34.7	1,373.4	0	1,373.4	177.9				0
T6 Public Class 5-NG	1.625287755	5.87	200.3	200.3	0	30.1	0.2040	0.0396		0.2436
T6 Public Class 6-Dsl	1.704442022	63.1	2,155.7	2,155.7	0	323.6	2.57	0.1929		2.76
T6 Public Class 6-Elec	0	53.1	2,093.0	0	2,093.0	272.4				0
T6 Public Class 6-NG	1.636916979	8.36	288.7	288.7	0	42.9	0.2935	0.0577		0.3512
T6 Public Class 7-Dsl	1.575874108	87.8	3,663.3	3,663.3	0	450.6	4.31	0.2628		4.58
T6 Public Class 7-Elec	0	59.7	2,891.3	0	2,891.3	306.1				0
T6 Public Class 7-NG	1.50053842	12.4	517.9	517.9	0	63.8	0.5268	0.0855		0.6123
T6 Utility Class 5-Dsl	2.261598693	13.6	539.1	539.1	0	173.8	0.6000	0.0209		0.6209
T6 Utility Class 5-Elec	0	18.7	771.1	0	771.1	239.3				0
T6 Utility Class 5-NG	2.150256725	0.0306	1.22	1.22	0	0.3923	0.0012	0.0001		0.0013
T6 Utility Class 6-Dsl	2.260663191	2.57	101.9	101.9	0	32.9	0.1134	0.0040		0.1174
T6 Utility Class 6-Elec	0	3.53	145.7	0	145.7	45.2				0
T6 Utility Class 6-NG	2.149528695	0.0058	0.2301	0.2301	0	0.0742	0.0002	0.0000		0.0002

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX
T6 Utility Class 7-Dsl	2.294687728	2.85	139.6	139.6	0	36.5	0.1555	0.0044		0.1598
T6 Utility Class 7-Elec	0	3.93	204.9	0	204.9	50.2				0
T6 Utility Class 7-NG	2.181976653	0.0064	0.3151	0.3151	0	0.0823	0.0003	0.0000		0.0003
T6TS-Elec	0	209.9	14,309.3	0	14,309.3	4,199.2				0
T6TS-Gas	1.948665831	244.2	12,369.3	12,369.3	0	4,885.2	20.8	0.1156	0.1659	21.1
T7 CAIRP Class 8-Dsl	1.23266703	1,552.5	323,957.2	323,957.2	0	35,676.1	453.2	34.1		487.3
T7 CAIRP Class 8-Elec	0	430.6	93,230.5	0	93,230.5	9,894.2				0
T7 NNOOS Class 8-Dsl	1	1,719.2	493,244.5	493,244.5	0	39,508.1	660.6	45.0		705.6
T7 NOOS Class 8-Dsl	1	739.9	179,187.0	179,187.0	0	17,002.8	239.9	19.3		259.2
T7 Other Port Class 8-Dsl	1.204990253	22.1	5,328.7	5,328.7	0	360.8	8.00	0.1575		8.15
T7 Other Port Class 8-Elec	0	5.08	1,347.5	0	1,347.5	83.1				0
T7 POAK Class 8-Dsl	1.186097079	111.7	12,965.9	12,965.9	0	1,827.7	19.4	0.7979		20.2
T7 POAK Class 8-Elec	0	25.8	2,965.2	0	2,965.2	422.8				0
T7 POLA Class 8-Dsl	1.138385562	103.8	19,366.0	19,366.0	0	1,698.7	29.4	0.7543		30.1
T7 POLA Class 8-Elec	0	18.4	3,389.1	0	3,389.1	300.8				0
T7 POLA Class 8-NG	1.076405653	0.4834	90.1	90.1	0	7.91	0.1077	0.0079		0.1155
T7 Public Class 8-Dsl	1.502391447	223.8	9,003.4	9,003.4	0	1,148.2	15.9	0.6320		16.5
T7 Public Class 8-Elec	0	145.8	6,953.2	0	6,953.2	747.9				0
T7 Public Class 8-NG	1.556514394	28.1	1,135.7	1,135.7	0	144.2	1.72	0.1674		1.88
T7 SWCV Class 8-Dsl	1.26695296	44.3	2,871.3	2,871.3	0	203.6	10.7	0.1500		10.9
T7 SWCV Class 8-Elec	0	100.8	6,522.8	0	6,522.8	463.7				0
T7 SWCV Class 8-NG	1.507835231	106.4	6,895.2	6,895.2	0	489.5	9.49	0.6973		10.2
T7 Single Concrete/Transit Mix Class 8-Dsl	2.160092575	48.6	3,190.6	3,190.6	0	458.2	5.06	0.1955		5.25
T7 Single Concrete/Transit Mix Class 8-Elec	0	60.4	4,332.3	0	4,332.3	568.8				0
T7 Single Concrete/Transit Mix Class 8-NG	2.026275116	1.77	116.1	116.1	0	16.6	0.1352	0.0161		0.1513
T7 Single Dump Class 8-Dsl	1.704055109	299.8	14,465.1	14,465.1	0	2,823.8	23.6	1.29		24.9
T7 Single Dump Class 8-Elec	0	195.9	12,585.8	0	12,585.8	1,845.2				0
T7 Single Dump Class 8-NG	1.605675448	10.7	520.3	520.3	0	100.9	0.6216	0.0991		0.7208
T7 Single Other Class 8-Dsl	1.789275157	1,121.7	39,228.4	39,228.4	0	10,566.8	63.2	4.65		67.8
T7 Single Other Class 8-Elec	0	880.1	39,169.4	0	39,169.4	8,290.6				0
T7 Single Other Class 8-NG	1.696931821	40.4	1,418.4	1,418.4	0	380.2	1.67	0.3702		2.04
T7 Tractor Class 8-Dsl	1.153835943	3,710.2	240,544.1	240,544.1	0	53,909.3	336.4	27.3		363.7
T7 Tractor Class 8-Elec	0	659.2	47,610.9	0	47,610.9	9,577.5				0
T7 Tractor Class 8-NG	1.086951942	58.3	3,775.8	3,775.8	0	847.7	4.22	0.9659		5.18
T7 Utility Class 8-Dsl	1.629301501	14.1	581.8	581.8	0	180.8	0.9832	0.0207		1.00
T7 Utility Class 8-Elec	0	9.46	453.7	0	453.7	121.0				0
T7IS-Elec	0	0.2772	45.8	0	45.8	5.55				0
T7IS-Gas	1.897138164	0.3401	42.6	42.6	0	6.80	0.0818		0.0003	0.0821
UBUS-Dsl	0.90399137	0.2027	7.31	7.31	0	0.8107	0.0053			0.0053
UBUS-Elec	1	197.6	13,312.1	0	13,312.1	790.3				0
UBUS-Gas	0.904166491	0.0000	0.0024	0.0024	0	0.0001	0.0000		0.0000	0.0000
UBUS-NG	0.90399137	0.8165	29.5	29.5	0	3.27	0.0244			0.0244

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	7,956.8	529.2	213.9	3.14
All Other Buses-Dsl	3.62		0.3255	
All Other Buses-NG	0.22			0.0273
LDA-Dsl	1.00		0.0901	
LDA-Elec	0.00			
LDA-Gas	2,194.03	234.8		
LDA-Phe	53.76	5.75		
LDT1-Dsl	0.00		0.0002	
LDT1-Elec	0.00			
LDT1-Gas	150.91	16.1		
LDT1-Phe	1.61	0.1725		
LDT2-Dsl	4.69		0.4218	
LDT2-Elec	0.00			
LDT2-Gas	1,377.80	147.4		
LDT2-Phe	16.44	1.76		
LHD1-Dsl	103.91		5.89	
LHD1-Elec	0.00			
LHD1-Gas	212.81	14.0		
LHD2-Dsl	56.60		3.27	
LHD2-Elec	0.00			
LHD2-Gas	16.24	1.09		
MCY-Gas	9.31	1.13		
MDV-Dsl	9.85		0.8862	
MDV-Elec	0.00			
MDV-Gas	948.25	101.4		
MDV-Phe	10.97	1.17		
MH-Dsl	3.87		0.3483	
MH-Gas	11.96	1.27		
Motor Coach-Dsl	3.83		0.3447	
OBUS-Elec	0.00			
OBUS-Gas	7.34	0.4105		
PTO-Dsl	40.20		2.01	
PTO-Elec	0.00			
SBUS-Dsl	8.34		0.4740	
SBUS-Elec	0.00			
SBUS-Gas	5.00	0.4015		
SBUS-NG	2.84			0.2269
T6 CAIRP Class 4-Dsl	0.90		0.0360	
T6 CAIRP Class 4-Elec	0.00			
T6 CAIRP Class 5-Dsl	1.24		0.0495	
T6 CAIRP Class 5-Elec	0.00			
T6 CAIRP Class 6-Dsl	3.25		0.1291	
T6 CAIRP Class 6-Elec	0.00			
T6 CAIRP Class 7-Dsl	18.22		1.30	
T6 CAIRP Class 7-Elec	0.00			

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Instate Delivery Class 4-Dsl	11.63		0.5430	
T6 Instate Delivery Class 4-Elec	0.00			
T6 Instate Delivery Class 5-Dsl	7.58		0.3541	
T6 Instate Delivery Class 5-Elec	0.00			
T6 Instate Delivery Class 6-Dsl	32.93		1.54	
T6 Instate Delivery Class 6-Elec	0.00			
T6 Instate Delivery Class 7-Dsl	9.84		0.5903	
T6 Instate Delivery Class 7-Elec	0.00			
T6 Instate Delivery Class 7-NG	0.32			0.0279
T6 Instate Other Class 4-Dsl	24.99		1.13	
T6 Instate Other Class 4-Elec	0.00			
T6 Instate Other Class 5-Dsl	70.66		3.20	
T6 Instate Other Class 5-Elec	0.00			
T6 Instate Other Class 6-Dsl	52.47		2.38	
T6 Instate Other Class 6-Elec	0.00			
T6 Instate Other Class 7-Dsl	35.45		1.97	
T6 Instate Other Class 7-Elec	0.00			
T6 Instate Other Class 7-NG	0.73			0.0598
T6 Instate Tractor Class 6-Dsl	0.69		0.0306	
T6 Instate Tractor Class 6-Elec	0.00			
T6 Instate Tractor Class 7-Dsl	54.97		4.20	
T6 Instate Tractor Class 7-Elec	0.00			
T6 Instate Tractor Class 7-NG	1.30			0.1410
T6 OOS Class 4-Dsl	0.52		0.0466	
T6 OOS Class 5-Dsl	0.71		0.0639	
T6 OOS Class 6-Dsl	1.86		0.1673	
T6 OOS Class 7-Dsl	12.07		1.09	
T6 Public Class 4-Dsl	1.09		0.0578	
T6 Public Class 4-Elec	0.00			
T6 Public Class 4-NG	0.13			0.0099
T6 Public Class 5-Dsl	3.07		0.1620	
T6 Public Class 5-Elec	0.00			
T6 Public Class 5-NG	0.40			0.0300
T6 Public Class 6-Dsl	4.71		0.2486	
T6 Public Class 6-Elec	0.00			
T6 Public Class 6-NG	0.57			0.0432
T6 Public Class 7-Dsl	7.21		0.4119	
T6 Public Class 7-Elec	0.00			
T6 Public Class 7-NG	0.92			0.0753
T6 Utility Class 5-Dsl	1.40		0.0559	
T6 Utility Class 5-Elec	0.00			
T6 Utility Class 5-NG	0.00			0.0002
T6 Utility Class 6-Dsl	0.27		0.0106	
T6 Utility Class 6-Elec	0.00			
T6 Utility Class 6-NG	0.00			0.0000

Veh_Tech	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Utility Class 7-Dsl	0.37		0.0144	
T6 Utility Class 7-Elec	0.00			
T6 Utility Class 7-NG	0.00			0.0000
T6TS-Elec	0.00			
T6TS-Gas	41.14	2.25		
T7 CAIRP Class 8-Dsl	600.73		43.9	
T7 CAIRP Class 8-Elec	0.00			
T7 NNOOS Class 8-Dsl	705.60		63.5	
T7 NOOS Class 8-Dsl	259.20		23.3	
T7 Other Port Class 8-Dsl	9.82		0.7338	
T7 Other Port Class 8-Elec	0.00			
T7 POAK Class 8-Dsl	23.95		1.82	
T7 POAK Class 8-Elec	0.00			
T7 POLA Class 8-Dsl	34.32		2.71	
T7 POLA Class 8-Elec	0.00			
T7 POLA Class 8-NG	0.12			0.0142
T7 Public Class 8-Dsl	24.82		1.49	
T7 Public Class 8-Elec	0.00			
T7 Public Class 8-NG	2.93			0.2318
T7 SWCV Class 8-Dsl	13.78		0.9791	
T7 SWCV Class 8-Elec	0.00			
T7 SWCV Class 8-NG	15.36			1.25
T7 Single Concrete/Transit Mix Class 8-Dsl	11.34		0.4726	
T7 Single Concrete/Transit Mix Class 8-Elec	0.00			
T7 Single Concrete/Transit Mix Class 8-NG	0.31			0.0186
T7 Single Dump Class 8-Dsl	42.48		2.24	
T7 Single Dump Class 8-Elec	0.00			
T7 Single Dump Class 8-NG	1.16			0.0887
T7 Single Other Class 8-Dsl	121.34		6.10	
T7 Single Other Class 8-Elec	0.00			
T7 Single Other Class 8-NG	3.46			0.2505
T7 Tractor Class 8-Dsl	419.63		32.7	
T7 Tractor Class 8-Elec	0.00			
T7 Tractor Class 8-NG	5.63			0.6376
T7 Utility Class 8-Dsl	1.64		0.0904	
T7 Utility Class 8-Elec	0.00			
T7IS-Elec	0.00			
T7IS-Gas	0.16	0.0090		
UBUS-Dsl	0.00		0.0005	
UBUS-Elec	0.00			
UBUS-Gas	0.00	0.0000		
UBUS-NG	0.02			0.0030

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Vehicles
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Phe
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Phe
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Phe
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MCY-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Phe
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	Motor Coach-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Elec

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 4-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 5-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-NG

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NNOOS Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NOOS Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Elec
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-NG

Veh_Tech	EMFAC2011 Category	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips
All Vehicles	All Vehicles	1	544,874.9	21,418,525.3	18,892,559.0	2,525,966.3	2,842,900.2
All Other Buses-Dsl	All Other Buses - Dsl	1	71.0	3,151.8	3,151.8	0	631.7
All Other Buses-NG	All Other Buses - Oth	1	5.88	247.5	247.5	0	52.3
LDA-Dsl	LDA - Dsl	1	139.9	5,087.5	5,087.5	0	628.3
LDA-Elec	LDA - Oth	1	31,227.0	1,157,870.9	0	1,157,870.9	145,335.8
LDA-Gas	LDA - Gas	1	225,848.0	8,825,144.4	8,825,144.4	0	1,042,585.5
LDA-Phe	LDA - Gas	1	10,648.4	416,289.8	169,584.6	246,705.2	44,031.1
LDT1-Dsl	LDT1 - Dsl	1	0.1692	6.27	6.27	0	0.7753
LDT1-Elec	LDT1 - Oth	1	450.1	16,520.9	0	16,520.9	2,088.1
LDT1-Gas	LDT1 - Gas	1	14,547.2	521,356.5	521,356.5	0	65,635.7
LDT1-Phe	LDT1 - Gas	1	343.9	13,081.8	5,322.7	7,759.1	1,421.8
LDT2-Dsl	LDT2 - Dsl	1	471.9	17,713.8	17,713.8	0	2,169.8
LDT2-Elec	LDT2 - Oth	1	5,013.7	128,363.8	0	128,363.8	23,322.9
LDT2-Gas	LDT2 - Gas	1	124,033.6	4,628,353.1	4,628,353.1	0	568,556.0
LDT2-Phe	LDT2 - Gas	1	3,416.8	128,885.7	52,494.2	76,391.4	14,128.3
LHD1-Dsl	LHD1 - Dsl	1.726748671	2,718.7	87,906.8	87,906.8	0	34,198.4
LHD1-Elec	LHD1 - Oth	0	5,418.7	217,569.9	0	217,569.9	76,242.7
LHD1-Gas	LHD1 - Gas	1.768707104	4,257.2	144,832.5	144,832.5	0	63,426.2
LHD2-Dsl	LHD2 - Dsl	1.683774128	1,388.9	42,199.6	42,199.6	0	17,470.4
LHD2-Elec	LHD2 - Oth	0	1,260.2	49,477.0	0	49,477.0	16,673.9
LHD2-Gas	LHD2 - Gas	1.73619816	450.0	15,015.6	15,015.6	0	6,704.0
MCY-Gas	MCY - Gas	1	9,254.4	48,971.0	48,971.0	0	18,508.7
MDV-Dsl	MDV - Dsl	1	812.5	27,719.6	27,719.6	0	3,655.9
MDV-Elec	MDV - Oth	1	4,632.9	117,339.5	0	117,339.5	21,468.3
MDV-Gas	MDV - Gas	1	72,907.1	2,545,401.8	2,545,401.8	0	331,311.8
MDV-Phe	MDV - Gas	1	2,186.6	77,719.9	31,661.0	46,058.9	9,041.5
MH-Dsl	MH - Dsl	1	345.8	3,134.7	3,134.7	0	34.6
MH-Gas	MH - Gas	1	531.7	5,533.6	5,533.6	0	53.2
Motor Coach-Dsl	Motor Coach - Dsl	1	17.5	2,206.1	2,206.1	0	401.7
OBUS-Elec	OBUS - Oth	0	41.7	2,743.3	0	2,743.3	834.2
OBUS-Gas	OBUS - Gas	2.113049556	53.0	2,034.5	2,034.5	0	1,060.8
PTO-Dsl	PTO-Dsl	1.958779143		11,595.3	11,595.3	0	
PTO-Elec	PTO-Oth	0		12,822.7	0	12,822.7	
SBUS-Dsl	SBUS - Dsl	1.887110322	168.4	3,578.6	3,578.6	0	2,437.8
SBUS-Elec	SBUS - Oth	0	29.5	6,927.8	0	6,927.8	3,360.8
SBUS-Gas	SBUS - Gas	1.656580165	48.5	2,559.5	2,559.5	0	194.1
SBUS-NG	SBUS-Oth	1.849213781	54.7	1,140.6	1,140.6	0	791.7
T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl	2.36834335	5.10	370.6	370.6	0	117.3
T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth	0	7.47	563.2	0	563.2	171.5
T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl	2.366725802	6.26	508.8	508.8	0	143.9
T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth	0	9.15	772.2	0	772.2	210.2
T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl	2.370759412	28.6	1,327.1	1,327.1	0	656.1
T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth	0	41.9	2,020.0	0	2,020.0	962.7
T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl	1.268295923	78.3	15,847.9	15,847.9	0	1,800.3
T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth	0	24.6	5,147.2	0	5,147.2	566.0

Veh_Tech	EMFAC2011 Category	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips
T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl	2.12624237	148.9	4,954.8	4,954.8	0	2,125.5
T6 Instate Delivery Class 4-Elec	T6 instate small-Oth	0	181.6	6,328.7	0	6,328.7	2,592.1
T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl	2.127142162	96.9	3,223.3	3,223.3	0	1,382.5
T6 Instate Delivery Class 5-Elec	T6 instate small-Oth	0	118.1	4,116.0	0	4,116.0	1,684.8
T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl	2.129588417	420.6	13,990.5	13,990.5	0	6,001.5
T6 Instate Delivery Class 6-Elec	T6 instate small-Oth	0	512.5	17,860.6	0	17,860.6	7,313.5
T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl	1.639253817	105.2	5,352.2	5,352.2	0	1,500.8
T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth	0	76.2	4,043.7	0	4,043.7	1,087.1
T6 Instate Delivery Class 7-NG	T6 instate heavy-NG	1.525030696	3.45	171.7	171.7	0	49.2
T6 Instate Other Class 4-Dsl	T6 instate small-Dsl	2.175184307	273.8	10,773.8	10,773.8	0	3,164.6
T6 Instate Other Class 4-Elec	T6 instate small-Oth	0	333.0	14,303.3	0	14,303.3	3,849.0
T6 Instate Other Class 5-Dsl	T6 instate small-Dsl	2.177619025	772.1	30,403.6	30,403.6	0	8,925.4
T6 Instate Other Class 5-Elec	T6 instate small-Oth	0	939.5	40,397.5	0	40,397.5	10,860.3
T6 Instate Other Class 6-Dsl	T6 instate small-Dsl	2.176058378	574.5	22,603.6	22,603.6	0	6,640.8
T6 Instate Other Class 6-Elec	T6 instate small-Oth	0	697.9	29,983.0	0	29,983.0	8,067.5
T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl	1.748479515	463.9	18,795.1	18,795.1	0	5,362.2
T6 Instate Other Class 7-Elec	T6 instate heavy-Oth	0	324.3	16,584.5	0	16,584.5	3,749.2
T6 Instate Other Class 7-NG	T6 instate heavy-NG	1.627050763	11.6	464.9	464.9	0	133.8
T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl	2.204913011	6.45	296.0	296.0	0	74.6
T6 Instate Tractor Class 6-Elec	T6 instate small-Oth	0	7.84	400.2	0	400.2	90.6
T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl	1.201167746	802.3	46,745.3	46,745.3	0	9,274.5
T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth	0	180.5	12,149.0	0	12,149.0	2,086.6
T6 Instate Tractor Class 7-NG	T6 instate heavy-NG	1.155534794	20.8	1,194.3	1,194.3	0	240.7
T6 OOS Class 4-Dsl	T6 OOS small-Dsl	1	7.32	534.6	534.6	0	168.1
T6 OOS Class 5-Dsl	T6 OOS small-Dsl	1	8.99	733.4	733.4	0	206.5
T6 OOS Class 6-Dsl	T6 OOS small-Dsl	1	40.9	1,916.4	1,916.4	0	939.3
T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl	1	50.2	13,934.7	13,934.7	0	1,153.8
T6 Public Class 4-Dsl	T6 Public-Dsl	1.902652845	13.0	452.0	452.0	0	66.7
T6 Public Class 4-Elec	T6 Public-Oth	0	14.4	556.0	0	556.0	74.0
T6 Public Class 4-NG	T6 Public-NG	1.822926212	1.79	62.5	62.5	0	9.18
T6 Public Class 5-Dsl	T6 Public-Dsl	1.896916797	36.7	1,272.2	1,272.2	0	188.5
T6 Public Class 5-Elec	T6 Public-Oth	0	40.2	1,544.7	0	1,544.7	206.1
T6 Public Class 5-NG	T6 Public-NG	1.795459111	5.29	182.5	182.5	0	27.1
T6 Public Class 6-Dsl	T6 Public-Dsl	1.897685975	56.6	1,956.3	1,956.3	0	290.3
T6 Public Class 6-Elec	T6 Public-Oth	0	61.5	2,354.6	0	2,354.6	315.4
T6 Public Class 6-NG	T6 Public-NG	1.804351938	7.72	268.3	268.3	0	39.6
T6 Public Class 7-Dsl	T6 Public-Dsl	1.70961891	81.0	3,425.4	3,425.4	0	415.7
T6 Public Class 7-Elec	T6 Public-Oth	0	68.8	3,227.2	0	3,227.2	352.9
T6 Public Class 7-NG	T6 Public-NG	1.611168236	11.5	485.1	485.1	0	58.9
T6 Utility Class 5-Dsl	T6 Utility-Dsl	2.378675788	12.9	519.6	519.6	0	165.7
T6 Utility Class 5-Elec	T6 Utility-Oth	0	19.6	802.7	0	802.7	251.2
T6 Utility Class 5-NG	T6 Utility-NG	2.25647903	0.0292	1.17	1.17	0	0.3741
T6 Utility Class 6-Dsl	T6 Utility-Dsl	2.37866275	2.45	98.2	98.2	0	31.3
T6 Utility Class 6-Elec	T6 Utility-Oth	0	3.71	151.7	0	151.7	47.5
T6 Utility Class 6-NG	T6 Utility-NG	2.256547082	0.0055	0.2217	0.2217	0	0.0707

Veh_Tech	EMFAC2011 Category	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips
T6 Utility Class 7-Dsl	T6 Utility-Dsl	2.401152153	2.72	135.2	135.2	0	34.8
T6 Utility Class 7-Elec	T6 Utility-Oth	0	4.12	212.5	0	212.5	52.8
T6 Utility Class 7-NG	T6 Utility-NG	2.279012157	0.0061	0.3052	0.3052	0	0.0785
T6TS-Elec	T6TS - Gas	0	241.0	15,464.3	0	15,464.3	4,821.9
T6TS-Gas	T6TS - Gas	2.146759254	225.1	11,509.0	11,509.0	0	4,503.4
T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl	1.234605719	1,707.3	355,293.0	355,293.0	0	39,234.3
T7 CAIRP Class 8-Elec	T7 CAIRP-Oth	0	477.4	102,817.8	0	102,817.8	10,969.7
T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl	1	1,892.2	541,628.2	541,628.2	0	43,482.9
T7 NOOS Class 8-Dsl	T7 NOOS-Dsl	1	815.2	196,763.9	196,763.9	0	18,732.6
T7 Other Port Class 8-Dsl	T7 Other Port-Dsl	1.204850264	22.3	5,306.4	5,306.4	0	364.5
T7 Other Port Class 8-Elec	T7 Other Port-Oth	0	5.14	1,338.3	0	1,338.3	84.2
T7 POAK Class 8-Dsl	T7 POAK-Dsl	1.188452713	119.8	13,846.3	13,846.3	0	1,960.7
T7 POAK Class 8-Elec	T7 POAK-Oth	0	28.0	3,195.9	0	3,195.9	457.6
T7 POLA Class 8-Dsl	T7 POLA-Dsl	1.153428121	102.6	18,826.3	18,826.3	0	1,678.1
T7 POLA Class 8-Elec	T7 POLA-Oth	0	19.7	3,585.3	0	3,585.3	322.8
T7 POLA Class 8-NG	T7 POLA-NG	1.083587214	0.4935	90.6	90.6	0	8.07
T7 Public Class 8-Dsl	T7 Public-Dsl	1.646925098	204.8	8,312.5	8,312.5	0	1,050.7
T7 Public Class 8-Elec	T7 Public-Oth	0	171.6	7,864.5	0	7,864.5	880.2
T7 Public Class 8-NG	T7 Public-NG	1.675620097	26.4	1,072.7	1,072.7	0	135.4
T7 SWCV Class 8-Dsl	T7 SWCV-Dsl	1.427382459	29.7	1,928.2	1,928.2	0	136.7
T7 SWCV Class 8-Elec	T7 SWCV-Oth	0	116.5	7,540.9	0	7,540.9	535.9
T7 SWCV Class 8-NG	T7 SWCV-NG	1.645238076	107.6	6,970.3	6,970.3	0	494.8
T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl	2.241644454	46.1	3,094.1	3,094.1	0	434.7
T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth	0	63.3	4,457.8	0	4,457.8	596.5
T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG	2.101045151	1.68	112.8	112.8	0	15.8
T7 Single Dump Class 8-Dsl	T7 Single-Dsl	1.866392244	267.7	13,308.3	13,308.3	0	2,521.8
T7 Single Dump Class 8-Elec	T7 Single Dump-Oth	0	229.1	13,874.7	0	13,874.7	2,158.3
T7 Single Dump Class 8-NG	T7 Single-NG	1.750635827	9.62	480.6	480.6	0	90.6
T7 Single Other Class 8-Dsl	T7 Single-Dsl	1.949484279	1,112.5	39,951.1	39,951.1	0	10,479.4
T7 Single Other Class 8-Elec	T7 Single Other-Oth	0	1,096.0	46,245.1	0	46,245.1	10,324.7
T7 Single Other Class 8-NG	T7 Single-NG	1.841033317	40.2	1,449.4	1,449.4	0	379.0
T7 Tractor Class 8-Dsl	T7 Tractor-Dsl	1.168728082	4,003.6	260,956.2	260,956.2	0	58,172.9
T7 Tractor Class 8-Elec	T7 Tractor-Oth	0	784.6	55,529.8	0	55,529.8	11,400.6
T7 Tractor Class 8-NG	T7 Tractor-NG	1.097070671	62.7	4,081.1	4,081.1	0	910.5
T7 Utility Class 8-Dsl	T7 Utility-Dsl	1.75288722	13.2	546.2	546.2	0	168.7
T7 Utility Class 8-Elec	T7 Utility-Oth	0	10.8	498.9	0	498.9	137.9
T7IS-Elec	T7IS - Gas	0	0.3258	49.5	0	49.5	6.52
T7IS-Gas	T7IS - Gas	2.073756144	0.3175	40.1	40.1	0	6.35
UBUS-Dsl	UBUS - Dsl	0.90399137	0.2045	7.38	7.38	0	0.8182
UBUS-Elec	UBUS - Oth	1	199.4	13,434.7	0	13,434.7	797.6
UBUS-Gas	UBUS - Gas	0.904170337	0.0000	0.0024	0.0024	0	0.0001
UBUS-NG	UBUS - NG	0.90399137	0.8240	29.7	29.7	0	3.30

Veh_Tech	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	7,198.6	158.6	133.5	7,490.7	8,187.3	528.7	227.3	3.11
All Other Buses-Dsl	3.55	0.0414		3.59	3.59		0.3229	
All Other Buses-NG	0.2326	0.0071		0.2397	0.24			0.0295
LDA-Dsl	0.9822			0.9822	0.98		0.0884	
LDA-Elec				0	0.00			
LDA-Gas	2,146.8		57.4	2,204.2	2,204.21	235.9		
LDA-Phe	51.5		2.54	54.0	54.04	5.78		
LDT1-Dsl	0.0023			0.0023	0.00		0.0002	
LDT1-Elec				0	0.00			
LDT1-Gas	145.9		4.21	150.1	150.10	16.1		
LDT1-Phe	1.62		0.0945	1.71	1.71	0.1831		
LDT2-Dsl	4.74			4.74	4.74		0.4263	
LDT2-Elec				0	0.00			
LDT2-Gas	1,346.4		38.2	1,384.6	1,384.60	148.2		
LDT2-Phe	15.9		0.9886	16.9	16.93	1.81		
LHD1-Dsl	57.6	0.3452		58.0	100.12		5.22	
LHD1-Elec				0	0.00			
LHD1-Gas	117.1	0.4623	1.24	118.8	210.17	12.7		
LHD2-Dsl	32.4	0.2898		32.7	55.12		2.95	
LHD2-Elec				0	0.00			
LHD2-Gas	9.04	0.0569	0.1286	9.23	16.02	0.9882		
MCY-Gas	8.82		0.4112	9.23	9.23	1.12		
MDV-Dsl	9.69			9.69	9.69		0.8719	
MDV-Elec				0	0.00			
MDV-Gas	915.8		27.4	943.2	943.23	100.9		
MDV-Phe	10.5		0.7756	11.3	11.29	1.21		
MH-Dsl	3.74			3.74	3.74		0.3365	
MH-Gas	11.8		0.0015	11.8	11.76	1.25		
Motor Coach-Dsl	3.68	0.1585		3.84	3.84		0.3453	
OBUS-Elec				0	0.00			
OBUS-Gas	3.37	0.0190	0.0254	3.41	7.21	0.3638		
PTO-Dsl	21.8			21.8	42.71		1.96	
PTO-Elec				0	0.00			
SBUS-Dsl	3.99	0.3330		4.32	8.16		0.3892	
SBUS-Elec				0	0.00			
SBUS-Gas	2.05	0.1158	0.0077	2.17	3.59	0.2323		
SBUS-NG	1.24	0.2444		1.49	2.75			0.1832
T6 CAIRP Class 4-Dsl	0.4101	0.0029		0.4130	0.98		0.0372	
T6 CAIRP Class 4-Elec				0	0.00			
T6 CAIRP Class 5-Dsl	0.5631	0.0035		0.5666	1.34		0.0510	
T6 CAIRP Class 5-Elec				0	0.00			
T6 CAIRP Class 6-Dsl	1.47	0.0160		1.48	3.52		0.1336	
T6 CAIRP Class 6-Elec				0	0.00			
T6 CAIRP Class 7-Dsl	15.5	0.0429		15.5	19.71		1.40	
T6 CAIRP Class 7-Elec				0	0.00			

Veh_Tech	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Instate Delivery Class 4-Dsl	5.62	0.2830		5.90	12.55		0.5311	
T6 Instate Delivery Class 4-Elec				0	0.00			
T6 Instate Delivery Class 5-Dsl	3.66	0.1841		3.84	8.17		0.3457	
T6 Instate Delivery Class 5-Elec				0	0.00			
T6 Instate Delivery Class 6-Dsl	15.9	0.7992		16.7	35.49		1.50	
T6 Instate Delivery Class 6-Elec				0	0.00			
T6 Instate Delivery Class 7-Dsl	6.18	0.2065		6.39	10.47		0.5749	
T6 Instate Delivery Class 7-Elec				0	0.00			
T6 Instate Delivery Class 7-NG	0.1864	0.0159		0.2023	0.31			0.0249
T6 Instate Other Class 4-Dsl	11.8	0.5593		12.4	26.99		1.12	
T6 Instate Other Class 4-Elec				0	0.00			
T6 Instate Other Class 5-Dsl	33.4	1.58		35.0	76.26		3.15	
T6 Instate Other Class 5-Elec				0	0.00			
T6 Instate Other Class 6-Dsl	24.9	1.17		26.0	56.65		2.34	
T6 Instate Other Class 6-Elec				0	0.00			
T6 Instate Other Class 7-Dsl	20.8	0.9826		21.8	38.03		1.96	
T6 Instate Other Class 7-Elec				0	0.00			
T6 Instate Other Class 7-NG	0.4298	0.0565		0.4863	0.79			0.0598
T6 Instate Tractor Class 6-Dsl	0.3256	0.0132		0.3388	0.75		0.0305	
T6 Instate Tractor Class 6-Elec				0	0.00			
T6 Instate Tractor Class 7-Dsl	46.9	1.66		48.5	58.28		4.37	
T6 Instate Tractor Class 7-Elec				0	0.00			
T6 Instate Tractor Class 7-NG	1.08	0.0994		1.18	1.36			0.1452
T6 OOS Class 4-Dsl	0.5560	0.0039		0.5599	0.56		0.0504	
T6 OOS Class 5-Dsl	0.7631	0.0047		0.7678	0.77		0.0691	
T6 OOS Class 6-Dsl	1.99	0.0215		2.01	2.01		0.1811	
T6 OOS Class 7-Dsl	13.0	0.0263		13.1	13.06		1.18	
T6 Public Class 4-Dsl	0.5316	0.0387		0.5703	1.09		0.0513	
T6 Public Class 4-Elec				0	0.00			
T6 Public Class 4-NG	0.0632	0.0123		0.0755	0.14			0.0093
T6 Public Class 5-Dsl	1.50	0.1108		1.61	3.06		0.1452	
T6 Public Class 5-Elec				0	0.00			
T6 Public Class 5-NG	0.1852	0.0359		0.2211	0.40			0.0272
T6 Public Class 6-Dsl	2.30	0.1696		2.47	4.70		0.2227	
T6 Public Class 6-Elec				0	0.00			
T6 Public Class 6-NG	0.2720	0.0531		0.3251	0.59			0.0400
T6 Public Class 7-Dsl	3.99	0.2384		4.22	7.22		0.3801	
T6 Public Class 7-Elec				0	0.00			
T6 Public Class 7-NG	0.4920	0.0789		0.5709	0.92			0.0702
T6 Utility Class 5-Dsl	0.5767	0.0199		0.5966	1.42		0.0537	
T6 Utility Class 5-Elec				0	0.00			
T6 Utility Class 5-NG	0.0011	0.0001		0.0012	0.00			0.0001
T6 Utility Class 6-Dsl	0.1090	0.0038		0.1127	0.27		0.0101	
T6 Utility Class 6-Elec				0	0.00			
T6 Utility Class 6-NG	0.0002	0.0000		0.0002	0.00			0.0000

Veh_Tech	CO2_RUNEX	CO2_IDLEX	CO2_STREX	CO2_TOTEX	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Utility Class 7-Dsl	0.1502	0.0042		0.1544	0.37		0.0139	
T6 Utility Class 7-Elec				0	0.00			
T6 Utility Class 7-NG	0.0003	0.0000		0.0003	0.00			0.0000
T6TS-Elec				0	0.00			
T6TS-Gas	19.2	0.1050	0.1508	19.5	41.82	2.08		
T7 CAIRP Class 8-Dsl	496.6	37.5		534.0	659.32		48.1	
T7 CAIRP Class 8-Elec				0	0.00			
T7 NNOOS Class 8-Dsl	724.6	49.4		774.0	774.05		69.7	
T7 NOOS Class 8-Dsl	263.2	21.3		284.5	284.45		25.6	
T7 Other Port Class 8-Dsl	7.96	0.1590		8.12	9.78		0.7306	
T7 Other Port Class 8-Elec				0	0.00			
T7 POAK Class 8-Dsl	20.7	0.8557		21.6	25.62		1.94	
T7 POAK Class 8-Elec				0	0.00			
T7 POLA Class 8-Dsl	28.3	0.7353		29.0	33.45		2.61	
T7 POLA Class 8-Elec				0	0.00			
T7 POLA Class 8-NG	0.1081	0.0080		0.1161	0.13			0.0143
T7 Public Class 8-Dsl	14.4	0.5636		15.0	24.68		1.35	
T7 Public Class 8-Elec				0	0.00			
T7 Public Class 8-NG	1.61	0.1569		1.77	2.97			0.2178
T7 SWCV Class 8-Dsl	7.06	0.0983		7.16	10.22		0.6445	
T7 SWCV Class 8-Elec				0	0.00			
T7 SWCV Class 8-NG	9.47	0.7023		10.2	16.74			1.25
T7 Single Concrete/Transit Mix Class 8-Dsl	4.89	0.1845		5.07	11.37		0.4565	
T7 Single Concrete/Transit Mix Class 8-Elec				0	0.00			
T7 Single Concrete/Transit Mix Class 8-NG	0.1313	0.0153		0.1466	0.31			0.0180
T7 Single Dump Class 8-Dsl	21.4	1.12		22.6	42.12		2.03	
T7 Single Dump Class 8-Elec				0	0.00			
T7 Single Dump Class 8-NG	0.5683	0.0885		0.6568	1.15			0.0808
T7 Single Other Class 8-Dsl	63.7	4.54		68.2	133.05		6.14	
T7 Single Other Class 8-Elec				0	0.00			
T7 Single Other Class 8-NG	1.70	0.3680		2.06	3.80			0.2539
T7 Tractor Class 8-Dsl	361.4	29.1		390.4	456.32		35.1	
T7 Tractor Class 8-Elec				0	0.00			
T7 Tractor Class 8-NG	4.54	1.03		5.57	6.11			0.6853
T7 Utility Class 8-Dsl	0.9143	0.0190		0.9334	1.64		0.0840	
T7 Utility Class 8-Elec				0	0.00			
T7IS-Elec				0	0.00			
T7IS-Gas	0.0765		0.0002	0.0768	0.16	0.0084		
UBUS-Dsl	0.0053			0.0053	0.00		0.0005	
UBUS-Elec				0	0.00			
UBUS-Gas	0.0000		0.0000	0.0000	0.00	0.0000		
UBUS-NG	0.0246			0.0246	0.02			0.0030

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Vehicles	All Vehicles
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-Dsl	All Other Buses - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	All Other Buses-NG	All Other Buses - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Dsl	LDA - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Elec	LDA - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Gas	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDA-Phe	LDA - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Dsl	LDT1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Elec	LDT1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Gas	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT1-Phe	LDT1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Dsl	LDT2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Elec	LDT2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Gas	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LDT2-Phe	LDT2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Dsl	LHD1 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Elec	LHD1 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD1-Gas	LHD1 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Dsl	LHD2 - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Elec	LHD2 - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	LHD2-Gas	LHD2 - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MCY-Gas	MCY - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Dsl	MDV - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Elec	MDV - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Gas	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MDV-Phe	MDV - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Dsl	MH - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	MH-Gas	MH - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	Motor Coach-Dsl	Motor Coach - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Elec	OBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	OBUS-Gas	OBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Dsl	PTO-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	PTO-Elec	PTO-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Dsl	SBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Elec	SBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-Gas	SBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	SBUS-NG	SBUS-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 4-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 5-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Dsl	T6 CAIRP small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 6-Elec	T6 CAIRP small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Dsl	T6 CAIRP heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 CAIRP Class 7-Elec	T6 CAIRP heavy-Oth

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Delivery Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 4-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 5-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Other Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Dsl	T6 instate small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 6-Elec	T6 instate small-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Dsl	T6 instate heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-Elec	T6 instate heavy-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Instate Tractor Class 7-NG	T6 instate heavy-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 4-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 5-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 6-Dsl	T6 OOS small-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 OOS Class 7-Dsl	T6 OOS heavy-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 4-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 5-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 6-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Dsl	T6 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-Elec	T6 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Public Class 7-NG	T6 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 5-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 6-NG	T6 Utility-NG

Group	Area	GAI	Sub-Area	Cal. Year	Season	Title	Veh_Tech	EMFAC2011 Category
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Dsl	T6 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-Elec	T6 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6 Utility Class 7-NG	T6 Utility-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Elec	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T6TS-Gas	T6TS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Dsl	T7 CAIRP-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 CAIRP Class 8-Elec	T7 CAIRP-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NNOOS Class 8-Dsl	T7 NNOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 NOOS Class 8-Dsl	T7 NOOS-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Dsl	T7 Other Port-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Other Port Class 8-Elec	T7 Other Port-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Dsl	T7 POAK-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POAK Class 8-Elec	T7 POAK-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Dsl	T7 POLA-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-Elec	T7 POLA-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 POLA Class 8-NG	T7 POLA-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Dsl	T7 Public-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-Elec	T7 Public-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Public Class 8-NG	T7 Public-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Dsl	T7 SWCV-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-Elec	T7 SWCV-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 SWCV Class 8-NG	T7 SWCV-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-Elec	T7 Single Concrete/Transit Mix-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Concrete/Transit Mix Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-Elec	T7 Single Dump-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Dump Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Dsl	T7 Single-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-Elec	T7 Single Other-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Single Other Class 8-NG	T7 Single-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Dsl	T7 Tractor-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-Elec	T7 Tractor-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Tractor Class 8-NG	T7 Tractor-NG
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Dsl	T7 Utility-Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7 Utility Class 8-Elec	T7 Utility-Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Elec	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	T7IS-Gas	T7IS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Dsl	UBUS - Dsl
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Elec	UBUS - Oth
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-Gas	UBUS - Gas
1	Sub-Areas	53	San Joaquin (SJV)	2049	Annual	San Joaquin (SJV)-2049-Annual	UBUS-NG	UBUS - NG

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
All Vehicles	1	545,536.5	21,444,529.8	18,915,496.7	2,529,033.1	2,846,351.8	7,220.1	158.8	133.7
All Other Buses-Dsl	1	71.1	3,155.6	3,155.6	0	632.5	3.55	0.0414	
All Other Buses-NG	1	5.88	247.8	247.8	0	52.4	0.2329	0.0071	
LDA-Dsl	1	140.0	5,093.7	5,093.7	0	629.0	0.9890		
LDA-Elec	1	31,264.9	1,159,276.7	0	1,159,276.7	145,512.2			
LDA-Gas	1	226,122.2	8,835,859.1	8,835,859.1	0	1,043,851.4	2,156.5		57.4
LDA-Phe	1	10,661.3	416,795.2	169,790.5	247,004.7	44,084.5	52.0		2.54
LDT1-Dsl	1	0.1694	6.28	6.28	0	0.7762	0.0023		
LDT1-Elec	1	450.6	16,540.9	0	16,540.9	2,090.7			
LDT1-Gas	1	14,564.9	521,989.5	521,989.5	0	65,715.4	146.5		4.22
LDT1-Phe	1	344.3	13,097.7	5,329.1	7,768.5	1,423.6	1.63		0.0946
LDT2-Dsl	1	472.5	17,735.3	17,735.3	0	2,172.4	4.77		
LDT2-Elec	1	5,019.8	128,519.7	0	128,519.7	23,351.2			
LDT2-Gas	1	124,184.2	4,633,972.5	4,633,972.5	0	569,246.3	1,352.5		38.2
LDT2-Phe	1	3,420.9	129,042.2	52,558.0	76,484.2	14,145.4	16.1		0.9898
LHD1-Dsl	1.726748671	2,722.0	88,013.5	88,013.5	0	34,239.9	57.7	0.3456	
LHD1-Elec	0	5,425.3	217,834.0	0	217,834.0	76,335.3			
LHD1-Gas	1.768707104	4,262.4	145,008.3	145,008.3	0	63,503.2	117.3	0.4629	1.24
LHD2-Dsl	1.683774128	1,390.6	42,250.8	42,250.8	0	17,491.6	32.5	0.2902	
LHD2-Elec	0	1,261.7	49,537.1	0	49,537.1	16,694.2			
LHD2-Gas	1.73619816	450.5	15,033.9	15,033.9	0	6,712.2	9.16	0.0570	0.1288
MCY-Gas	1	9,265.6	49,030.5	49,030.5	0	18,531.2	8.86		0.4117
MDV-Dsl	1	813.5	27,753.2	27,753.2	0	3,660.3	9.75		
MDV-Elec	1	4,638.5	117,481.9	0	117,481.9	21,494.3			
MDV-Gas	1	72,995.7	2,548,492.2	2,548,492.2	0	331,714.1	916.9		27.4
MDV-Phe	1	2,189.2	77,814.3	31,699.4	46,114.8	9,052.5	10.5		0.7765
MH-Dsl	1	346.2	3,138.5	3,138.5	0	34.6	3.74		
MH-Gas	1	532.4	5,540.3	5,540.3	0	53.3	11.8		0.0015
Motor Coach-Dsl	1	17.5	2,208.8	2,208.8	0	402.2	3.68	0.1587	
OBUS-Elec	0	41.7	2,746.6	0	2,746.6	835.2			
OBUS-Gas	2.113049556	53.1	2,037.0	2,037.0	0	1,062.1	3.37	0.0190	0.0255
PTO-Dsl	1.958779143		11,609.4	11,609.4	0		21.8		
PTO-Elec	0		12,838.2	0	12,838.2				
SBUS-Dsl	1.887110322	168.6	3,583.0	3,583.0	0	2,440.8	4.00	0.3334	
SBUS-Elec	0	29.5	6,936.2	0	6,936.2	3,364.8			
SBUS-Gas	1.656580165	48.6	2,562.6	2,562.6	0	194.4	2.05	0.1159	0.0077
SBUS-NG	1.849213781	54.7	1,142.0	1,142.0	0	792.7	1.25	0.2447	
T6 CAIRP Class 4-Dsl	2.36834335	5.11	371.1	371.1	0	117.4	0.4106	0.0029	
T6 CAIRP Class 4-Elec	0	7.47	563.8	0	563.8	171.8			
T6 CAIRP Class 5-Dsl	2.366725802	6.27	509.4	509.4	0	144.1	0.5638	0.0035	
T6 CAIRP Class 5-Elec	0	9.16	773.1	0	773.1	210.5			
T6 CAIRP Class 6-Dsl	2.370759412	28.6	1,328.7	1,328.7	0	656.9	1.47	0.0160	
T6 CAIRP Class 6-Elec	0	41.9	2,022.5	0	2,022.5	963.9			
T6 CAIRP Class 7-Dsl	1.268295923	78.4	15,867.2	15,867.2	0	1,802.5	15.5	0.0430	
T6 CAIRP Class 7-Elec	0	24.7	5,153.5	0	5,153.5	566.7			

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
T6 Instate Delivery Class 4-Dsl	2.12624237	149.1	4,960.8	4,960.8	0	2,128.1	5.62	0.2834	
T6 Instate Delivery Class 4-Elec	0	181.9	6,336.3	0	6,336.3	2,595.3			
T6 Instate Delivery Class 5-Dsl	2.127142162	97.0	3,227.2	3,227.2	0	1,384.1	3.66	0.1843	
T6 Instate Delivery Class 5-Elec	0	118.2	4,121.0	0	4,121.0	1,686.8			
T6 Instate Delivery Class 6-Dsl	2.129588417	421.1	14,007.5	14,007.5	0	6,008.7	15.9	0.8001	
T6 Instate Delivery Class 6-Elec	0	513.1	17,882.3	0	17,882.3	7,322.4			
T6 Instate Delivery Class 7-Dsl	1.639253817	105.3	5,358.7	5,358.7	0	1,502.6	6.19	0.2067	
T6 Instate Delivery Class 7-Elec	0	76.3	4,048.6	0	4,048.6	1,088.4			
T6 Instate Delivery Class 7-NG	1.525030696	3.45	171.9	171.9	0	49.2	0.1866	0.0160	
T6 Instate Other Class 4-Dsl	2.175184307	274.1	10,786.9	10,786.9	0	3,168.5	11.9	0.5600	
T6 Instate Other Class 4-Elec	0	333.4	14,320.6	0	14,320.6	3,853.7			
T6 Instate Other Class 5-Dsl	2.177619025	773.0	30,440.5	30,440.5	0	8,936.2	33.5	1.58	
T6 Instate Other Class 5-Elec	0	940.6	40,446.5	0	40,446.5	10,873.5			
T6 Instate Other Class 6-Dsl	2.176058378	575.2	22,631.0	22,631.0	0	6,648.9	24.9	1.18	
T6 Instate Other Class 6-Elec	0	698.7	30,019.4	0	30,019.4	8,077.3			
T6 Instate Other Class 7-Dsl	1.748479515	464.4	18,817.9	18,817.9	0	5,368.7	20.8	0.9838	
T6 Instate Other Class 7-Elec	0	324.7	16,604.6	0	16,604.6	3,753.8			
T6 Instate Other Class 7-NG	1.627050763	11.6	465.5	465.5	0	133.9	0.4303	0.0566	
T6 Instate Tractor Class 6-Dsl	2.204913011	6.46	296.4	296.4	0	74.7	0.3260	0.0132	
T6 Instate Tractor Class 6-Elec	0	7.85	400.7	0	400.7	90.7			
T6 Instate Tractor Class 7-Dsl	1.201167746	803.3	46,802.1	46,802.1	0	9,285.8	46.9	1.66	
T6 Instate Tractor Class 7-Elec	0	180.7	12,163.8	0	12,163.8	2,089.2			
T6 Instate Tractor Class 7-NG	1.155534794	20.8	1,195.7	1,195.7	0	241.0	1.08	0.0995	
T6 OOS Class 4-Dsl	1	7.33	535.3	535.3	0	168.3	0.5567	0.0039	
T6 OOS Class 5-Dsl	1	9.00	734.3	734.3	0	206.8	0.7640	0.0047	
T6 OOS Class 6-Dsl	1	40.9	1,918.7	1,918.7	0	940.4	1.99	0.0215	
T6 OOS Class 7-Dsl	1	50.3	13,951.6	13,951.6	0	1,155.2	13.1	0.0264	
T6 Public Class 4-Dsl	1.902652845	13.0	452.6	452.6	0	66.8	0.5322	0.0388	
T6 Public Class 4-Elec	0	14.4	556.7	0	556.7	74.1			
T6 Public Class 4-NG	1.822926212	1.79	62.6	62.6	0	9.20	0.0633	0.0123	
T6 Public Class 5-Dsl	1.896916797	36.8	1,273.8	1,273.8	0	188.7	1.50	0.1109	
T6 Public Class 5-Elec	0	40.2	1,546.6	0	1,546.6	206.3			
T6 Public Class 5-NG	1.795459111	5.30	182.7	182.7	0	27.2	0.1854	0.0359	
T6 Public Class 6-Dsl	1.897685975	56.7	1,958.7	1,958.7	0	290.7	2.31	0.1698	
T6 Public Class 6-Elec	0	61.6	2,357.4	0	2,357.4	315.8			
T6 Public Class 6-NG	1.804351938	7.73	268.6	268.6	0	39.6	0.2723	0.0532	
T6 Public Class 7-Dsl	1.70961891	81.1	3,429.5	3,429.5	0	416.2	3.99	0.2387	
T6 Public Class 7-Elec	0	68.9	3,231.1	0	3,231.1	353.3			
T6 Public Class 7-NG	1.611168236	11.5	485.6	485.6	0	59.0	0.4925	0.0790	
T6 Utility Class 5-Dsl	2.378675788	13.0	520.3	520.3	0	165.9	0.5774	0.0199	
T6 Utility Class 5-Elec	0	19.7	803.7	0	803.7	251.5			
T6 Utility Class 5-NG	2.25647903	0.0293	1.17	1.17	0	0.3746	0.0011	0.0001	
T6 Utility Class 6-Dsl	2.37866275	2.45	98.3	98.3	0	31.4	0.1091	0.0038	
T6 Utility Class 6-Elec	0	3.71	151.9	0	151.9	47.5			
T6 Utility Class 6-NG	2.256547082	0.0055	0.2219	0.2219	0	0.0708	0.0002	0.0000	

Veh_Tech	ghg_adj_factors	Population	Total_VMT	cVMT	eVMT	Trips	CO2_RUNEX	CO2_IDLEX	CO2_STREX
T6 Utility Class 7-Dsl	2.401152153	2.72	135.4	135.4	0	34.8	0.1504	0.0042	
T6 Utility Class 7-Elec	0	4.13	212.8	0	212.8	52.8			
T6 Utility Class 7-NG	2.279012157	0.0061	0.3056	0.3056	0	0.0786	0.0003	0.0000	
T6TS-Elec	0	241.3	15,483.1	0	15,483.1	4,827.8			
T6TS-Gas	2.146759254	225.4	11,523.0	11,523.0	0	4,508.9	19.2	0.1052	0.1510
T7 CAIRP Class 8-Dsl	1.234605719	1,709.4	355,724.4	355,724.4	0	39,281.9	497.2	37.5	
T7 CAIRP Class 8-Elec	0	477.9	102,942.6	0	102,942.6	10,983.0			
T7 NNOOS Class 8-Dsl	1	1,894.5	542,285.8	542,285.8	0	43,535.7	725.5	49.5	
T7 NOOS Class 8-Dsl	1	816.2	197,002.8	197,002.8	0	18,755.3	263.5	21.3	
T7 Other Port Class 8-Dsl	1.204850264	22.3	5,312.8	5,312.8	0	364.9	7.97	0.1592	
T7 Other Port Class 8-Elec	0	5.15	1,340.0	0	1,340.0	84.3			
T7 POAK Class 8-Dsl	1.188452713	120.0	13,863.1	13,863.1	0	1,963.0	20.7	0.8567	
T7 POAK Class 8-Elec	0	28.0	3,199.8	0	3,199.8	458.2			
T7 POLA Class 8-Dsl	1.153428121	102.7	18,849.2	18,849.2	0	1,680.1	28.3	0.7362	
T7 POLA Class 8-Elec	0	19.8	3,589.7	0	3,589.7	323.2			
T7 POLA Class 8-NG	1.083587214	0.4941	90.7	90.7	0	8.08	0.1082	0.0080	
T7 Public Class 8-Dsl	1.646925098	205.1	8,322.6	8,322.6	0	1,052.0	14.4	0.5643	
T7 Public Class 8-Elec	0	171.8	7,874.0	0	7,874.0	881.3			
T7 Public Class 8-NG	1.675620097	26.4	1,074.0	1,074.0	0	135.6	1.62	0.1571	
T7 SWCV Class 8-Dsl	1.427382459	29.8	1,930.5	1,930.5	0	136.9	7.07	0.0984	
T7 SWCV Class 8-Elec	0	116.6	7,550.0	0	7,550.0	536.5			
T7 SWCV Class 8-NG	1.645238076	107.7	6,978.8	6,978.8	0	495.4	9.49	0.7032	
T7 Single Concrete/Transit Mix Class 8-Dsl	2.241644454	46.2	3,097.8	3,097.8	0	435.3	4.89	0.1847	
T7 Single Concrete/Transit Mix Class 8-Elec	0	63.4	4,463.2	0	4,463.2	597.2			
T7 Single Concrete/Transit Mix Class 8-NG	2.101045151	1.68	112.9	112.9	0	15.9	0.1315	0.0153	
T7 Single Dump Class 8-Dsl	1.866392244	268.0	13,324.4	13,324.4	0	2,524.9	21.5	1.12	
T7 Single Dump Class 8-Elec	0	229.4	13,891.5	0	13,891.5	2,160.9			
T7 Single Dump Class 8-NG	1.750635827	9.63	481.2	481.2	0	90.7	0.5690	0.0886	
T7 Single Other Class 8-Dsl	1.949484279	1,113.8	39,999.6	39,999.6	0	10,492.1	63.8	4.54	
T7 Single Other Class 8-Elec	0	1,097.4	46,301.2	0	46,301.2	10,337.2			
T7 Single Other Class 8-NG	1.841033317	40.3	1,451.2	1,451.2	0	379.5	1.70	0.3685	
T7 Tractor Class 8-Dsl	1.168728082	4,008.5	261,273.0	261,273.0	0	58,243.5	361.8	29.1	
T7 Tractor Class 8-Elec	0	785.6	55,597.2	0	55,597.2	11,414.4			
T7 Tractor Class 8-NG	1.097070671	62.7	4,086.1	4,086.1	0	911.6	4.54	1.04	
T7 Utility Class 8-Dsl	1.75288722	13.2	546.8	546.8	0	168.9	0.9154	0.0191	
T7 Utility Class 8-Elec	0	10.8	499.5	0	499.5	138.1			
T7IS-Elec	0	0.3262	49.6	0	49.6	6.53			
T7IS-Gas	2.073756144	0.3179	40.1	40.1	0	6.36	0.0766		0.0002
UBUS-Dsl	0.90399137	0.2048	7.39	7.39	0	0.8191	0.0053		
UBUS-Elec	1	199.6	13,451.0	0	13,451.0	798.5			
UBUS-Gas	0.904170337	0.0000	0.0024	0.0024	0	0.0001	0.0000		0.0000
UBUS-NG	0.90399137	0.8250	29.8	29.8	0	3.30	0.0246		

Veh_Tech	CO2_TOTEX	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
All Vehicles	7,512.6	8,210.1	530.7	227.5	3.12
All Other Buses-Dsl	3.59	3.59		0.3233	
All Other Buses-NG	0.2400	0.24			0.0295
LDA-Dsl	0.9890	0.99		0.0890	
LDA-Elec	0	0.00			
LDA-Gas	2,213.9	2,213.94	236.9		
LDA-Phe	54.6	54.55	5.84		
LDT1-Dsl	0.0023	0.00		0.0002	
LDT1-Elec	0	0.00			
LDT1-Gas	150.8	150.77	16.1		
LDT1-Phe	1.73	1.73	0.1848		
LDT2-Dsl	4.77	4.77		0.4294	
LDT2-Elec	0	0.00			
LDT2-Gas	1,390.7	1,390.72	148.8		
LDT2-Phe	17.1	17.09	1.83		
LHD1-Dsl	58.1	100.24		5.22	
LHD1-Elec	0	0.00			
LHD1-Gas	119.0	210.43	12.7		
LHD2-Dsl	32.8	55.19		2.95	
LHD2-Elec	0	0.00			
LHD2-Gas	9.34	16.22	1.00		
MCY-Gas	9.27	9.27	1.12		
MDV-Dsl	9.75	9.75		0.8777	
MDV-Elec	0	0.00			
MDV-Gas	944.4	944.37	101.0		
MDV-Phe	11.3	11.31	1.21		
MH-Dsl	3.74	3.74		0.3369	
MH-Gas	11.8	11.78	1.25		
Motor Coach-Dsl	3.84	3.84		0.3457	
OBUS-Elec	0	0.00			
OBUS-Gas	3.42	7.22	0.3643		
PTO-Dsl	21.8	42.76		1.96	
PTO-Elec	0	0.00			
SBUS-Dsl	4.33	8.17		0.3897	
SBUS-Elec	0	0.00			
SBUS-Gas	2.17	3.60	0.2326		
SBUS-NG	1.49	2.76			0.1834
T6 CAIRP Class 4-Dsl	0.4135	0.98		0.0372	
T6 CAIRP Class 4-Elec	0	0.00			
T6 CAIRP Class 5-Dsl	0.5673	1.34		0.0511	
T6 CAIRP Class 5-Elec	0	0.00			
T6 CAIRP Class 6-Dsl	1.49	3.52		0.1337	
T6 CAIRP Class 6-Elec	0	0.00			
T6 CAIRP Class 7-Dsl	15.6	19.74		1.40	
T6 CAIRP Class 7-Elec	0	0.00			

Veh_Tech	CO2_TOTEX	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Instate Delivery Class 4-Dsl	5.91	12.56		0.5317	
T6 Instate Delivery Class 4-Elec	0	0.00			
T6 Instate Delivery Class 5-Dsl	3.85	8.18		0.3461	
T6 Instate Delivery Class 5-Elec	0	0.00			
T6 Instate Delivery Class 6-Dsl	16.7	35.53		1.50	
T6 Instate Delivery Class 6-Elec	0	0.00			
T6 Instate Delivery Class 7-Dsl	6.40	10.48		0.5756	
T6 Instate Delivery Class 7-Elec	0	0.00			
T6 Instate Delivery Class 7-NG	0.2026	0.31			0.0249
T6 Instate Other Class 4-Dsl	12.4	27.02		1.12	
T6 Instate Other Class 4-Elec	0	0.00			
T6 Instate Other Class 5-Dsl	35.1	76.35		3.16	
T6 Instate Other Class 5-Elec	0	0.00			
T6 Instate Other Class 6-Dsl	26.1	56.72		2.35	
T6 Instate Other Class 6-Elec	0	0.00			
T6 Instate Other Class 7-Dsl	21.8	38.08		1.96	
T6 Instate Other Class 7-Elec	0	0.00			
T6 Instate Other Class 7-NG	0.4868	0.79			0.0599
T6 Instate Tractor Class 6-Dsl	0.3392	0.75		0.0305	
T6 Instate Tractor Class 6-Elec	0	0.00			
T6 Instate Tractor Class 7-Dsl	48.6	58.35		4.37	
T6 Instate Tractor Class 7-Elec	0	0.00			
T6 Instate Tractor Class 7-NG	1.18	1.37			0.1453
T6 OOS Class 4-Dsl	0.5606	0.56		0.0505	
T6 OOS Class 5-Dsl	0.7688	0.77		0.0692	
T6 OOS Class 6-Dsl	2.01	2.01		0.1813	
T6 OOS Class 7-Dsl	13.1	13.08		1.18	
T6 Public Class 4-Dsl	0.5710	1.09		0.0514	
T6 Public Class 4-Elec	0	0.00			
T6 Public Class 4-NG	0.0756	0.14			0.0093
T6 Public Class 5-Dsl	1.62	3.06		0.1454	
T6 Public Class 5-Elec	0	0.00			
T6 Public Class 5-NG	0.2213	0.40			0.0272
T6 Public Class 6-Dsl	2.48	4.70		0.2229	
T6 Public Class 6-Elec	0	0.00			
T6 Public Class 6-NG	0.3255	0.59			0.0400
T6 Public Class 7-Dsl	4.23	7.23		0.3806	
T6 Public Class 7-Elec	0	0.00			
T6 Public Class 7-NG	0.5716	0.92			0.0703
T6 Utility Class 5-Dsl	0.5973	1.42		0.0538	
T6 Utility Class 5-Elec	0	0.00			
T6 Utility Class 5-NG	0.0012	0.00			0.0001
T6 Utility Class 6-Dsl	0.1129	0.27		0.0102	
T6 Utility Class 6-Elec	0	0.00			
T6 Utility Class 6-NG	0.0002	0.00			0.0000

Veh_Tech	CO2_TOTEX	CO2_Totex_adjusted	Fuel_GAS	Fuel_DSL	Fuel_NG
T6 Utility Class 7-Dsl	0.1545	0.37		0.0139	
T6 Utility Class 7-Elec	0	0.00			
T6 Utility Class 7-NG	0.0003	0.00			0.0000
T6TS-Elec	0	0.00			
T6TS-Gas	19.5	41.87	2.08		
T7 CAIRP Class 8-Dsl	534.7	660.12		48.1	
T7 CAIRP Class 8-Elec	0	0.00			
T7 NNOOS Class 8-Dsl	775.0	774.99		69.7	
T7 NOOS Class 8-Dsl	284.8	284.80		25.6	
T7 Other Port Class 8-Dsl	8.13	9.79		0.7315	
T7 Other Port Class 8-Elec	0	0.00			
T7 POAK Class 8-Dsl	21.6	25.65		1.94	
T7 POAK Class 8-Elec	0	0.00			
T7 POLA Class 8-Dsl	29.0	33.49		2.61	
T7 POLA Class 8-Elec	0	0.00			
T7 POLA Class 8-NG	0.1163	0.13			0.0143
T7 Public Class 8-Dsl	15.0	24.71		1.35	
T7 Public Class 8-Elec	0	0.00			
T7 Public Class 8-NG	1.77	2.97			0.2181
T7 SWCV Class 8-Dsl	7.17	10.23		0.6452	
T7 SWCV Class 8-Elec	0	0.00			
T7 SWCV Class 8-NG	10.2	16.76			1.25
T7 Single Concrete/Transit Mix Class 8-Dsl	5.08	11.38		0.4571	
T7 Single Concrete/Transit Mix Class 8-Elec	0	0.00			
T7 Single Concrete/Transit Mix Class 8-NG	0.1468	0.31			0.0181
T7 Single Dump Class 8-Dsl	22.6	42.17		2.03	
T7 Single Dump Class 8-Elec	0	0.00			
T7 Single Dump Class 8-NG	0.6576	1.15			0.0809
T7 Single Other Class 8-Dsl	68.3	133.21		6.15	
T7 Single Other Class 8-Elec	0	0.00			
T7 Single Other Class 8-NG	2.07	3.80			0.2542
T7 Tractor Class 8-Dsl	390.9	456.87		35.2	
T7 Tractor Class 8-Elec	0	0.00			
T7 Tractor Class 8-NG	5.58	6.12			0.6862
T7 Utility Class 8-Dsl	0.9345	1.64		0.0841	
T7 Utility Class 8-Elec	0	0.00			
T7IS-Elec	0	0.00			
T7IS-Gas	0.0768	0.16	0.0084		
UBUS-Dsl	0.0053	0.00		0.0005	
UBUS-Elec	0	0.00			
UBUS-Gas	0.0000	0.00	0.0000		
UBUS-NG	0.0246	0.02			0.0030

Appendix F

SJCOG 2026 RTP Induced VMT Assessment

DKS 428 J STREET, SUITE 340 • SACRAMENTO, CA 95814 • 916.368.2000 • DKSASSOCIATES.COM

MEMORANDUM

DATE: May 27th, 2026

TO: Ryan Niblock, SJCOG Deputy Director Programming

FROM: Jim Damkowitch, Udit Molakatalla | DKS Associates

SUBJECT: SJCOG 2026 RTP/SCS Induced VMT Assessment Project # P25322-000

As part of the 2022 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) update cycle, the San Joaquin Council of Governments (SJCOG) prepared an induced vehicle miles traveled (VMT) analysis to evaluate the effects of roadway capacity changes. Based on review by the California Air Resources Board (CARB), the methodology and resulting estimates did not adequately reflect current expectations for induced VMT analysis under SB 743 and State guidance. As a result, SJCOG is exploring a revised approach to more appropriately estimate induced VMT in a manner that is both technically defensible and consistent with evolving best practices. A peer review by DKS of that memo is provided in **Attachment A**.

This memorandum evaluates the potential induced VMT effects associated with capacity-increasing transportation projects included in the SJCOG 2026 RTP/SCS, and estimates induced VMT consistent with current State guidance and evolving best practices.

INDUCED VMT

Induced VMT refers to the increase in driving that occurs after roadway capacity is expanded. When new lanes or road improvements reduce travel time or the perceived "cost" of driving, people may respond by taking more trips, traveling longer distances, changing routes or destinations, or shifting travel from other modes or times of day. Over time, these behavioral changes can increase total regional VMT, sometimes offsetting congestion relief and contributing to higher greenhouse gas (GHG) emissions. Given California's legislative priority to reduce VMT and GHG emissions as part of its climate change mitigation strategy, induced demand VMT has become a critical consideration in evaluating transportation projects, particularly those involving capacity enhancements.

With the passage of SB 743, agencies such as the CARB and Caltrans have incorporated VMT and induced demand considerations into project- and programmatic-level CEQA determinations, SB 375 adequacy findings, and funding criteria.

Based on induced VMT research[1],[2], the components of 1.0 elasticity for induced VMT are broadly classified into:

- Changes in commercial driving (exempt under CEQA) = 19 to 29%
- Changes in individual or household driving = 9 to 39%
- Diversion of traffic = 0 to 10%
- Changes in Land Use Patterns (including migration) = 5 to 21%

Short-term induced effects typically occur soon after capacity is added (1- 3 years) and reflect immediate behavioral responses to improved travel conditions. Its effects include shifts in route choice as drivers move from longer, more circuitous routes to new, less-congested facilities, and potential mode shift to autos when additional capacity results in a lower generalized cost of travel compared to alternatives such as transit. Long-term induced effects emerge over several years (3-20 years) and reflect broader adjustments in travel behavior and development patterns, including choice of residence location, choice of employment location, increasing auto dependency, and destination changes.

KEY CONSIDERATIONS FOR SAN JOAQUIN COUNTY

San Joaquin County's travel characteristics are a critical consideration in interpreting induced VMT results and selecting an appropriate analytical approach. The County is predominantly suburban and rural in nature, with relatively low levels of recurring congestion and, therefore, correspondingly lower levels of suppressed (latent) travel demand compared to major metropolitan regions. Under these conditions, induced travel effects are expected to be more limited, as increases in roadway capacity are unlikely to generate the substantial travel time savings needed to significantly alter travel behavior, as highlighted in recent research, including the Rural Induced Demand Study[3].

Accordingly, in San Joaquin County, there is limited potential for substantial increases in new trips, longer trip lengths, or major shifts in travel patterns resulting solely from roadway capacity increases. Instead, observed changes in VMT are more likely to reflect underlying regional growth, demographic trends, and land-use patterns than to be attributable to capacity expansion alone.

ANALYTICAL APPROACHES TO ESTIMATING INDUCED VMT

Different analytical tools are used to estimate induced VMT, each with distinct strengths and limitations depending on the time horizon and level of analysis. The approaches for estimating induced VMT are discussed further in **Appendix B**.

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[1] Duranton, G., & M. A. Turner (2011). The Fundamental Law of Road Congestion: Evidence from US Cities. American Economic Review, 101(6), 2616-2652. Retrieved from https://www.aeaweb.org/articles?id=10.1257/aer.101.6.2616

[2] https://travelcalculator.ncst.ucdavis.edu/about.html

[3] https://www.nctc.ca.gov/Reports/RCTF-Rural-Induced-Demand-Study/index.html

REGIONAL TRAVEL DEMAND MODELS

Travel demand models are commonly used to evaluate transportation system performance under different scenarios and are generally well-suited to capture short-term induced travel effects. These models simulate traveler behavior, including trip generation, trip distribution, mode choice, and route assignment, allowing for a detailed assessment of how changes in network conditions influence travel patterns. Recent research from the University of Kentucky reinforces the applicability of travel demand models in estimating short-term induced VMT[4].

Advantages:

- Behaviorally grounded: Explicitly model changes in trip-making, route choice, and network performance
- Project-specific sensitivity: Reflect local conditions, including congestion levels, network structure, and travel patterns
- Multimodal capability: Capture shifts between modes and routes
- Consistency with regional planning: Integrated with land use, socioeconomic data, and forecasting frameworks

Limitations:

- Limited representation of long-term effects: Typically, does not fully capture land use changes or induced growth unless coupled with land use models
- Calibration dependent: Results are sensitive to model calibration and validation quality, particularly to baseline VMT.

ELASTICITY-BASED METHODS

Elasticity-based approaches estimate induced VMT using empirical relationships between changes in roadway capacity (e.g., lane miles) and changes in VMT. These methods are typically applied to represent long-term induced travel effects, including system-wide behavioral and land use responses.

Advantages:

- Simple and transparent: Straightforward calculations that are easy to apply and communicate
- Consistent with published research: Based on empirical studies and widely cited literature
- Useful for screening-level analysis: Provides order-of-magnitude estimates when detailed modeling is not available

Limitations:

- Context sensitivity: Elasticity values vary significantly by region, congestion level, and time period
- Lack of project specificity: Does not account for network configuration, travel time changes, or local travel behavior

[4] https://www.nctc.ca.gov/Reports/RCTF-Rural-Induced-Demand-Study/index.html

- Simplified assumptions: Treats Lane miles as a proxy for travel time savings, which may not be applicable in all contexts

INDUCED VMT ESTIMATION

Given the complementary strengths and limitations of travel demand models and elasticity-based methods, this assessment was conducted using both an elasticity-based approach and a hybrid approach to evaluate induced VMT effects.

The hybrid approach incorporates the SJCOG travel demand model to evaluate short-term induced travel effects associated with changes in roadway capacity, and an elasticity-based approach to evaluate longer-term induced VMT effects associated with broader behavioral adjustments and system-wide travel responses over time. Given that the SJCOG model is regionally calibrated and validated to reflect observed travel behavior, network conditions, and regional characteristics, it provides a context-sensitive representation of near-term travel responses, including trip-making, route choice, and traffic redistribution.

2026 RTP ROADWAY CAPACITY PROJECTS

As shown in **Table 1**, the RTP roadway capacity projects are estimated to add approximately 184 lane miles by 2049 and approximately 113 lane miles by 2035, based on the transportation network improvements incorporated into the regional travel demand model used to support the RTP/SCS analysis. The 2049 capacity improvements include approximately 42 lane miles of Class 1 facilities and approximately 142 lane miles of Class 2 and Class 3 facilities. The 2035 improvements consist of 113 lane miles, primarily associated with Class 2 and Class 3 facility improvements

TABLE 1. RTP LANE MILES OF NEW ROADWAY CAPACITY

ROADWAY LANE MILES		
FACILITY CLASS	**ANALYSIS YEAR**	
	2035	**2049**
CLASS 1	4	42
CLASS 2/3	109	142
TOTAL	113	184

Source: SJCOG RTP/SCS Travel Demand Model

The facility class distinction is important given that research shows that higher-capacity freeway facilities generally generate greater induced travel effects than lower-order roadway improvements. Freeway expansions tend to produce larger regional travel time savings and are more likely to influence longer-distance travel patterns, route choices, and development trends. In contrast, Class 2 and Class 3 facilities are typically associated with more localized circulation, operational, or connectivity improvements and therefore tend to generate lower levels of induced travel demand.

Given that most of the planned capacity improvements in San Joaquin County consist of Class 2 and Class 3 facilities, the overall long-term induced VMT effect is expected to be lower than would occur

under a program primarily consisting of major freeway expansions. This conclusion is also consistent with the County's predominantly suburban and rural characteristics, relatively lower congestion levels, and limited latent travel demand, as discussed previously. Under these conditions, roadway improvements are more likely to improve local mobility and system reliability than to generate substantial new regional vehicle travel.

SHORT-TERM INDUCED VMT

Table 1 summarizes the estimated short-term induced vehicle travel using both the travel demand model results and the elasticity-based approach. The short-term induced VMT assessment focuses on travel responses associated with changes in individual or household driving behavior and traffic diversion resulting from roadway capacity improvements.

The model-based estimate was developed by comparing the No-Build Scenario to the preferred Build Scenario to evaluate changes in regional VMT associated with the planned roadway capacity projects. The elasticity-based estimates of short-term induced VMT were evaluated based on the relationship between changes in VMT and changes in lane miles. The elasticity-based approach was calculated separately for Class 1 facilities and Class 2/3 facilities to reflect differences in induced travel sensitivity by roadway type. Base year lane miles and VMT for the year 2023 were obtained from the National Center for Sustainable Transportation (NCST) induced VMT calculator.

TABLE 2: DAILY SHORT-TERM INDUCED VMT ESTIMATE (2049)

SHORT-TERM EFFECT	NO-BUILD SCENARIO	BUILD SCENARIO	CHANGE
2035 SCENARIO YEAR			
TOTAL MODEL VMT	19,787,177	19,975,687	0.9%
MODEL VMT CHANGE		**188,510**	
ELASTICITY-BASED ESTIMATE		**511,525***	
2049 SCENARIO YEAR			
TOTAL MODEL VMT	21,195,438	21,418,525	1.05%
MODEL VMT CHANGE		**223,087**	
ELASTICITY-BASED ESTIMATE		**1,086,689***	

*Estimated using the NCST Induced Travel Calculator for 2023, separately for Functional Class I and Functional Class II/III facilities. Annual NCST-induced VMT estimates were converted to average daily induced VMT estimates by dividing the annual values by 360 days.

LONG-TERM INDUCED VMT

The long-term induced VMT estimate was developed using an elasticity range of 0.05 to 0.21 to reflect gradual, system-wide travel responses over time, including behavioral adjustments and broader changes in travel patterns. The elasticity-based calculations were developed separately for

Class 1 facilities and Class 2/3 facilities to reflect differences in induced travel sensitivity by roadway type. Base year 2023 lane miles and VMT used in the calculations were obtained from the NCST induced VMT calculator.

Based on the maximum long-term elasticity assumption of 0.21 for land use and migration-related effects, the long-term induced VMT associated with the RTP roadway capacity projects was estimated to be about 135,975 for 2035 and 288,867 VMT for 2049. These estimates represent the potential longer-term induced travel effects associated with the roadway capacity additions included in the RTP/SCS.

CONCLUSION

The hybrid analytical framework provides a more balanced, context-sensitive, and technically defensible estimate of induced travel effects for the SJCOG 2026 RTP/SCS than relying solely on a generalized elasticity-based methodology. The hybrid approach leverages the strengths of both the regional travel demand model and elasticity-based induced demand methods by using each tool for the component of induced travel it is best suited to estimate.

The hybrid framework reflects the operational characteristics and functional role of projects within the regional transportation network and their influence on the perceived cost of travel, rather than relying solely on lane-mile additions as a proxy for induced travel. Projects that provide greater travel time savings, improved accessibility, or congestion relief produce correspondingly greater modeled VMT responses, while lower-order roadway improvements with more localized operational benefits generate comparatively smaller induced travel effects. This distinction is particularly important in San Joaquin County, where the roadway system is predominantly suburban and rural, and many RTP projects consist of Class 2 and Class 3 roadway improvements intended to improve local circulation, reliability, and system connectivity rather than substantially expand regional travel capacity.

Based on the analysis, the regional travel demand model estimates that the change in VMT between the No-Build and Build scenarios associated with RTP roadway capacity projects is substantially lower than the elasticity-based induced VMT estimates. Using the hybrid methodology, induced VMT is estimated at approximately 324,485 VMT by 2035 and 511,954 VMT by 2049. These results provide a more refined estimate of potential induced travel effects by accounting for both modeled network responses and longer-term elasticity-based travel behavior effects.

APPENDIX A

SJCOG INDUCED VMT ASSESSMENT REVIEW

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MEMORANDUM

DATE: May 11th, 2026

TO: Ryan Niblock, SJCOG Deputy Director Programming

FROM: Jim Damkowitch, Udit Molakatalla | DKS Associates

SUBJECT: SJCOG Induced VMT Assessment Review Project # P25322-000

As part of the 2022 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) update cycle, the San Joaquin Council of Governments (SJCOG) prepared an induced vehicle miles traveled (VMT) analysis to evaluate the effects of roadway capacity changes. Based on review by the California Air Resources Board (CARB), the methodology and resulting estimates did not adequately reflect current expectations for induced VMT analysis under SB 743 and State guidance.

This memorandum presents DKS peer review comments on the SJCOG induced demand memo prepared for the 2022 RTP/SCS. The review evaluates whether the report's elasticity checks, analytical methods, and resulting conclusions are internally consistent, technically defensible, and appropriately framed within current practice for induced VMT analysis.

BACKGROUND

The induced demand memo evaluates induced vehicle travel by comparing combinations of network and socioeconomic assumptions from the 2022 RTP/SCS. It identifies short-term responses such as new vehicle trips, longer vehicle trips, mode shifts to driving, and route shifts; and longer-term responses such as changes in land use development patterns and overall growth.

For the short-term check, the memo compares the EIR No-Build Scenario to Scenario E. Lane miles increase from 5,089 to 5,360, or 5.33 percent, and total VMT increases from 21,389,184 to 21,541,282, a model-estimated increase of 152,098 VMT. The memo states that this should be compared to a literature range of 13,399 to 80,395 VMT.

For the long-term check, the memo compares a base-year baseline, a future-year No-Build scenario using future socioeconomic assumptions with the base network, and Scenario E using the future network and future socioeconomic assumptions. It attributes 4,374,068 VMT to population and employment growth and 152,098 VMT to roadway capacity, then compares these results to a stated literature estimate of 2,120,564 VMT.

INDUCED VMT

Induced VMT refers to the increase in driving that occurs after roadway capacity is expanded. When new lanes or road improvements reduce travel time or the perceived "cost" of driving, people may respond by taking more trips, traveling longer distances, changing routes or destinations, or shifting travel from other modes or times of day. Over time, these behavioral changes can increase total regional VMT, sometimes offsetting congestion relief and contributing to higher greenhouse gas (GHG) emissions.

Based on induced VMT research[1], the components of 1.0 elasticity for induced VMT are broadly classified into:

- Changes in commercial driving (exempt under CEQA) = 19 to 29%
- Changes in individual or household driving = 9 to 39%
- Diversion of traffic = 0 to 10%
- Changes in Land Use Patterns (including migration) = 5 to 21%

Short-term induced effects typically occur soon after capacity is added (1- 3 years) and reflect immediate behavioral responses to improved travel conditions. Its effects include shifts in route choice as drivers move from longer, more circuitous routes to new, less-congested facilities, and potential mode shift to autos when additional capacity results in a lower generalized cost of travel compared to alternatives such as transit. Long-term induced effects emerge over several years (3-10 years) and reflect broader adjustments in travel behavior and development patterns, including increasing auto dependency and destination changes from new land use-related growth along the corridor.

REVIEW COMMENTS

SHORT-TERM INDUCED VMT ELASTICITY

The short-term elasticity check should apply the elasticity to the baseline VMT and the proportional change in lane miles. Using the 2016 San Joaquin County Highway Performance Monitoring System (HPMS) baseline VMT and the reported 5.33 percent increase in lane miles, the revised short-term induced VMT estimates are substantially higher than those reported in the memo.

The revised short-term induced VMT estimates are summarized in **Table 1** below. The "excluding truck VMT" range reflects the passenger vehicle induced travel assumptions commonly applied in Caltrans guidance[2] and the OPR Technical Advisory. The "including truck VMT" range reflects all VMT changes, including commercial vehicle travel.

[1] Duranton, G., & M. A. Turner (2011). The Fundamental Law of Road Congestion: Evidence from US Cities. American Economic Review, 101(6), 2616-2652. Retrieved from https://www.aeaweb.org/articles?id=10.1257/aer.101.6.2616

[2] https://dot.ca.gov/programs/sustainability/sb-743/resources/hot-topics/ncst-truck-adjustment

TABLE 1: SHORT-TERM INDUCED VMT ELASTICITY ANALYSIS

SHORT-TERM INDUCED VMT	LOW ESTIMATE	HIGH ESTIMATE
MODEL ESTIMATES	152,098	
REVISED LITERATURE VMT CHANGE (EXCLUDING TRUCK VMT)[1]	88,550	482,108
REVISED LITERATURE VMT CHANGE (INCLUDING TRUCK VMT)[2]	275,490	767,437
REPORTED LITERATURE VMT CHANGE[3]	13,399	80,395

Note: 1. Based on the short-term elasticity range of 0.09 to 0.49, excluding changes in commercial driving.
2. Based on the short-term elasticity range of 0.28 to 0.78, excluding changes in commercial driving.
3. Estimates from the induced demand memo based on the elasticity ranging from 0.1 to 0.6

Based on the revised elasticity-based literature range, the model-estimated increase of 152,098 VMT is not above the literature range; rather, it falls below the revised range when truck-related VMT effects are included and within the range when truck VMT is excluded. Accordingly, the memo's conclusion that "the SJCOG travel demand model is found to overestimate short-term induced demand relative to prevailing literature" is not supported by the revised calculations.

SEPARATING REGIONAL GROWTH FROM INDUCED LAND USE EFFECTS

The memo states that long-term induced vehicle travel considers land use and growth patterns over time, and that travel models compare Build and No-Build conditions while combining land use, demographics, socioeconomic conditions, and travel. This framing mixes two concepts that should be kept distinct.

- Regional growth: future population, employment, and interregional travel assumptions that would occur with or without the roadway capacity package.
- Capacity-induced land use change: changes in the amount, location, density, or pattern of development that occur because roadway capacity reduces travel costs and changes accessibility.

Travel demand models typically compare Build and No-Build alternatives using the same land-use and socioeconomic assumptions. Under that setup, the model can reflect short-term travel responses such as route choice, destination choice, mode choice, and trip-making changes, but it does not capture long-term land use shifts unless the land use inputs are changed in response to the transportation investment.

Accordingly, the 4,374,068 VMT increase attributed to population and employment growth should not be treated as long-term induced VMT. It is regional growth assumed in the RTP/SCS forecast.

LONG-TERM INDUCED VMT ELASTICITY

The memo states that the literature-based induced VMT estimate is 2,120,564 VMT. However, using the same 2016 San Joaquin County HPMS VMT baseline and the 5.33 percent lane-mile increase, the cited 1.03 elasticity produces approximately 1,013,411 VMT

Accordingly, the long-term literature-based induced VMT estimate should be revised downward. In addition, the analysis should clearly distinguish induced VMT attributable to roadway capacity expansion from regional growth already embedded in the RTP/SCS land use and socioeconomic forecasts.

REVISIONS TO CONCLUSIONS

The memo concludes that the SJCOG travel demand model overestimates both short-term and long-term induced demand in comparison with prevailing literature and therefore provides a conservative analysis. Based on the revised calculations, this statement is not supported.

- For short-term induced VMT, the model estimate of 152,098 VMT is within the revised literature range of approximately 88,550 to 482,108 VMT, not above it.
- The memo may still explain that San Joaquin County's suburban/rural context and lower levels of congestion may dampen induced travel effects, but that conclusion should be presented as a context-based interpretation rather than as a model overestimating induced VMT compared to the elasticity-based approach.

APPENDIX B

BEST PRACTICES FOR INDUCED VEHICLE MILES TRAVELED (VMT) ASSESSMENT

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MEMORANDUM

DATE: May 12th, 2026

TO: Ryan Niblock, SJCOG Deputy Director Programming

FROM: Jim Damkowitch, Udit Molakatalla | DKS Associates

SUBJECT: Best Practices for Induced Vehicle Miles Traveled (VMT) Assessment

Project # P25322-000

Since the implementation of Senate Bill (SB) 743 and California's broader climate and transportation policies focused on reducing greenhouse gas emissions and vehicle travel, transportation planning and environmental review in California have increasingly emphasized the relationship between roadway capacity expansion and induced vehicle miles traveled (VMT). State agencies including the California Air Resources Board (CARB), the Governor's Office of Planning and Research (OPR), and Caltrans have incorporated induced travel considerations into CEQA transportation analysis, Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) evaluations, and transportation funding and policy guidance for capacity-increasing projects.

This memorandum summarizes best practices and key methodological considerations for evaluating induced VMT in both project-level and program-level transportation analyses. The memorandum reviews the strengths and limitations of travel demand models and elasticity-based methods, and outlines recommended hybrid analytical approaches consistent with evolving California State guidance and recent induced travel research.

INTRODUCTION INDUCED VMT

Induced VMT refers to the increase in driving that occurs after roadway capacity is expanded. When new lanes or road improvements reduce travel time or the perceived "cost" of driving, people may respond by taking more trips, traveling longer distances, changing routes or destinations, or shifting travel from other modes or times of day. Over time, these behavioral changes can increase total regional VMT, sometimes offsetting congestion relief and contributing to higher greenhouse gas (GHG) emissions. Given California's legislative priority to reduce VMT and GHG emissions as part of its climate change mitigation strategy, induced demand VMT has become a critical consideration in evaluating transportation projects, particularly those involving capacity enhancements.

Based on induced VMT research[1,2], the components of 1.0 elasticity for induced VMT are broadly classified into:

- Changes in commercial driving (exempt under CEQA) = 19 to 29%
- Changes in individual or household driving = 9 to 39%
- Diversion of traffic = 0 to 10%
- Changes in Land Use Patterns (including migration) = 5 to 21%

Short-term induced effects typically occur soon after capacity is added (1- 3 years) and reflect immediate behavioral responses to improved travel conditions. Its effects include shifts in route choice as drivers move from longer, more circuitous routes to new, less-congested facilities, and potential mode shift to autos when additional capacity results in a lower generalized cost of travel compared to alternatives such as transit. Long-term induced effects emerge over several years (3-20 years) and reflect broader adjustments in travel behavior and development patterns, including choice of residence location, choice of employment location, increasing auto dependency and destination changes.

Research demonstrates that induced VMT is highly dependent on local context. Lane-mile additions alone are not sufficient or a perfect proxy to determine whether induced demand will occur. Instead, induced demand is more strongly associated with factors such as recurring congestion relief, meaningful travel time savings, improved direct access and connectivity, developable land availability, and the presence of latent travel demand.

ANALYTICAL APPROACHES TO ESTIMATING INDUCED VMT

Different analytical tools are used to estimate induced VMT, each with distinct strengths and limitations depending on the time horizon and level of analysis.

REGIONAL TRAVEL DEMAND MODELS

Travel demand models are commonly used to evaluate transportation system performance under different scenarios and are generally well-suited to capture short-term induced travel effects. These models simulate traveler behavior, including trip generation, trip distribution, mode choice, and route assignment, allowing for a detailed assessment of how changes in network conditions influence travel patterns. Recent research from the University of Kentucky reinforces the applicability of travel demand models in estimating short-term induced VMT[3].

Advantages:

- Behaviorally grounded: Explicitly model changes in trip-making, route choice, and network performance

[1] Duranton, G., & M. A. Turner (2011). The Fundamental Law of Road Congestion: Evidence from US Cities. American Economic Review, 101(6), 2616-2652. Retrieved from https://www.aeaweb.org/articles?id=10.1257/aer.101.6.2616

[2] https://travelcalculator.ncst.ucdavis.edu/about.html

[3] https://www.nctc.ca.gov/Reports/RCTF-Rural-Induced-Demand-Study/index.html

- Project-specific sensitivity: Reflect local conditions, including congestion levels, network structure, and travel patterns
- Multimodal capability: Capture shifts between modes and routes
- Consistency with regional planning: Integrated with land use, socioeconomic data, and forecasting frameworks

Limitations:

- Limited representation of long-term effects: Typically, do not fully capture land use changes or induced growth unless coupled with land use models
- Calibration dependent: Results are sensitive to model calibration and validation quality, particularly to baseline VMT.

ELASTICITY-BASED METHODS

Elasticity-based approaches estimate induced VMT using empirical relationships between changes in roadway capacity (e.g., lane miles) and changes in VMT. These methods are typically applied to represent long-term induced travel effects, including system-wide behavioral and land use responses.

Advantages:

- Simple and transparent: Straightforward calculations that are easy to apply and communicate
- Consistent with published research: Based on empirical studies and widely cited literature
- Useful for screening-level analysis: Provides order-of-magnitude estimates when detailed modeling is not available

Limitations:

- Context sensitivity: Elasticity values vary significantly by region, congestion level, and time period
- Lack of project specificity: Does not account for network configuration, travel time changes, or local travel behavior
- Simplified assumptions: Treats Lane miles as a proxy for travel time savings, which may not be applicable in all contexts

INDUCED VMT ESTIMATION

Induced VMT analysis is inherently context-sensitive, and the magnitude and type of induced travel response depends on several factors, including congestion conditions, travel time savings, accessibility changes, surrounding land use patterns, availability of developable land, and the presence of latent travel demand. As a result, best practices for induced VMT analysis should focus on selecting analytical approaches that appropriately reflect local transportation conditions, project characteristics, and the type of induced travel effect being evaluated.

Different analytical tools are used to estimate induced VMT effects, each with distinct strengths and limitations. Travel demand models are generally considered the most appropriate tool for evaluating short-term induced travel responses because they are calibrated to local roadway conditions, congestion patterns, and regional travel behavior. Travel demand models can explicitly represent network changes, travel time savings, route redistribution, trip-making behavior, and accessibility changes associated with roadway improvements. Therefore, travel demand models are generally better suited to estimate context-specific operational and behavioral responses to capacity changes.

However, while travel demand models are effective in representing short-term travel responses, most traditional travel demand models do not independently capture long-term land use effects or broader changes in regional development patterns due to capacity-inducing projects unless they are integrated with a dynamic land use allocation model.

ELASTICITY-BASED APPROACH

Elasticity-based methods estimate induced VMT using empirical relationships between changes in roadway capacity and changes in VMT and provide a simplified approach for estimating broader system-wide travel responses over time. Elasticity-based methods are relatively straightforward to apply and are consistent with widely cited induced demand literature. However, research cautions against relying solely on aggregate elasticity-based methods because they may not adequately reflect local transportation conditions, congestion levels, travel behavior, or regional context. Aggregate elasticity approaches also rely heavily on lane miles as a proxy for accessibility and travel-cost changes, which may not accurately capture actual travel responses in all situations.

HYBRID APPROACH

Current best practice increasingly supports the use of hybrid analytical approaches that combine the strengths of travel demand models and elasticity-based methods. Under a hybrid framework, travel demand models are typically used to estimate short-term induced travel effects associated with roadway capacity and accessibility changes, while elasticity-based methods may be applied to estimate potential long-term induced VMT effects associated with land-use responses over time.

The hybrid approach recognizes that induced VMT effects vary substantially by project type, transportation context, and regional conditions. For example, roadway capacity projects in highly congested urban corridors with substantial travel time savings and access to developable land may have greater potential for induced demand than operational, safety, or circulation improvements in suburban or rural areas with limited latent demand. The best practice is to apply induced VMT methodologies in a context-sensitive manner that considers congestion conditions, accessibility effects, travel behavior, and surrounding land use characteristics rather than relying solely on generalized lane-mile elasticity assumptions.

Overall, the hybrid approach provides a more balanced, transparent, and technically defensible framework for evaluating induced VMT consistently with evolving California guidance and current research.

RECOMMENDED APPROACH

The strengths and limitations of the available analytical tools, a hybrid induced VMT methodology is recommended for evaluating capacity-inducing transportation projects. The hybrid approach combines the use of the regional travel demand model to estimate short-term induced travel effects with an elasticity-based methodology to estimate potential long-term induced VMT effects associated with broader behavioral and land use responses over time.

The recommended methodology should be implemented using the following steps:

Short-Term Induced VMT

- Develop a Build scenario that includes the full set of transportation projects, roadway improvements, socioeconomic forecasts, and model parameters consistent with the RTP/SCS analysis.
- Develop a corresponding No-Build scenario using the same socioeconomic assumptions, but without the inclusion of the capacity-inducing transportation projects being evaluated. The roadway capacity improvements should represent the only difference between the Build and No-Build scenarios.
- The regional VMT difference between the two scenarios represents the short-term induced VMT effects associated with roadway capacity expansion, including operational and behavioral responses such as route redistribution, changes in trip-making behavior, longer trip lengths, destination changes, and shifts in travel patterns resulting from improved travel conditions and reduced travel times.

Long-Term Induced VMT

Use the elasticity-based methodology to estimate potential long-term induced VMT effects that may not be fully captured within the travel demand model structure. Apply the long-term elasticity assumptions in a context-sensitive manner. The long-term land use and migration component of induced VMT is generally estimated to range from approximately 5 to 21 percent of the overall long-term elasticity response. However, the magnitude of long-term induced VMT effects depends substantially on project-specific and regional conditions, including the availability of developable land, the regional housing market, zonal and land-use policies, distance to major job centers, and surrounding land-use patterns, among other factors.

Projects that primarily address operational, safety, or circulation deficiencies and provide limited travel time savings or limited access to developable land may warrant use of the lower end of the elasticity range. However, applying less than maximum assumptions should be supported by substantial evidence and detailed documentation demonstrating that the project is unlikely to generate substantial long-term induced travel or land use effects.

CONCLUSION

This hybrid methodology provides a more balanced, transparent, and technically defensible framework for evaluating induced VMT because it combines the context-sensitive strengths of the regional travel demand model with the broader long-term perspective provided by elasticity-based methods.

Appendix G

Tribal Consultation

SAN JOAQUIN COUNCIL OF GOVERNMENTS

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May 6th, 2025

Buena Vista Rancheria of Me-Wuk Indians
Rhonda Morningstar Pope, Chairperson
1418 20th Street, Suite 200
Sacramento, CA 95811
Via Email: rhonda@buenavistatribe.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Pope:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

The project must comply with California Public Resources Code § 21080.3.1 (Assembly Bill [AB] 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area that is traditionally and culturally affiliated with the tribe.

The input of the Buena Vista Rancheria of Me-Wuk Indians is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

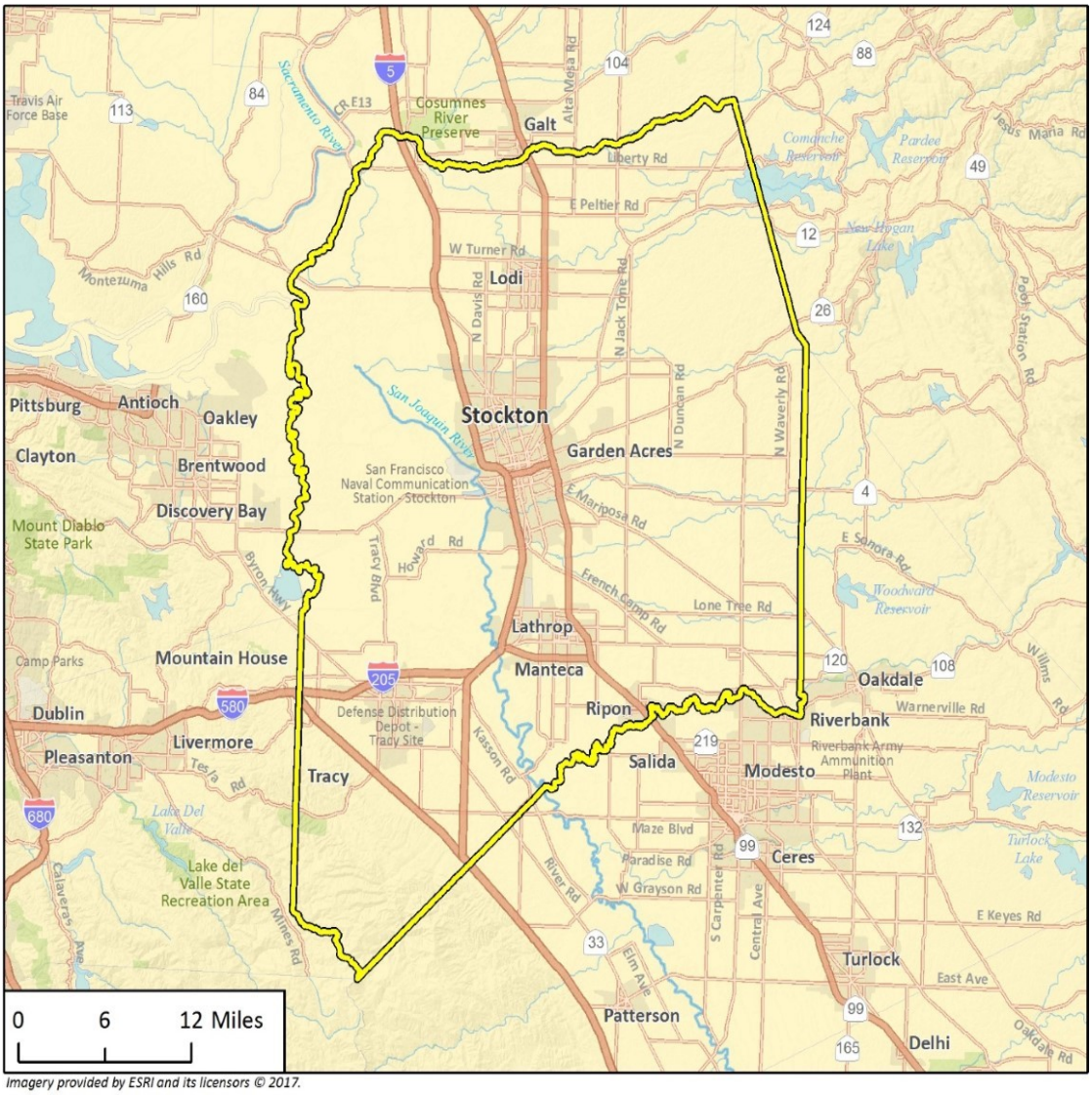
Sincerely,

Edith Verdin
Senior Regional Planner
San Joaquin Council of Governments

Attachments

Attachment 1 Project Location Map

Project Location Map



Imagery provided by ESRI and its licensors © 2017.

San Joaquin County

N



Fig 2 Regional Location

SAN JOAQUIN COUNCIL OF GOVERNMENTS

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and
THE COUNTY OF SAN
JOAQUIN

May 6th, 2025

California Valley Miwok Tribe
Anthony Wilson, Treasurer
P.O. Box 395
West Point, CA 95255
Via Email: awanata426@gmail.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Treasurer Wilson:

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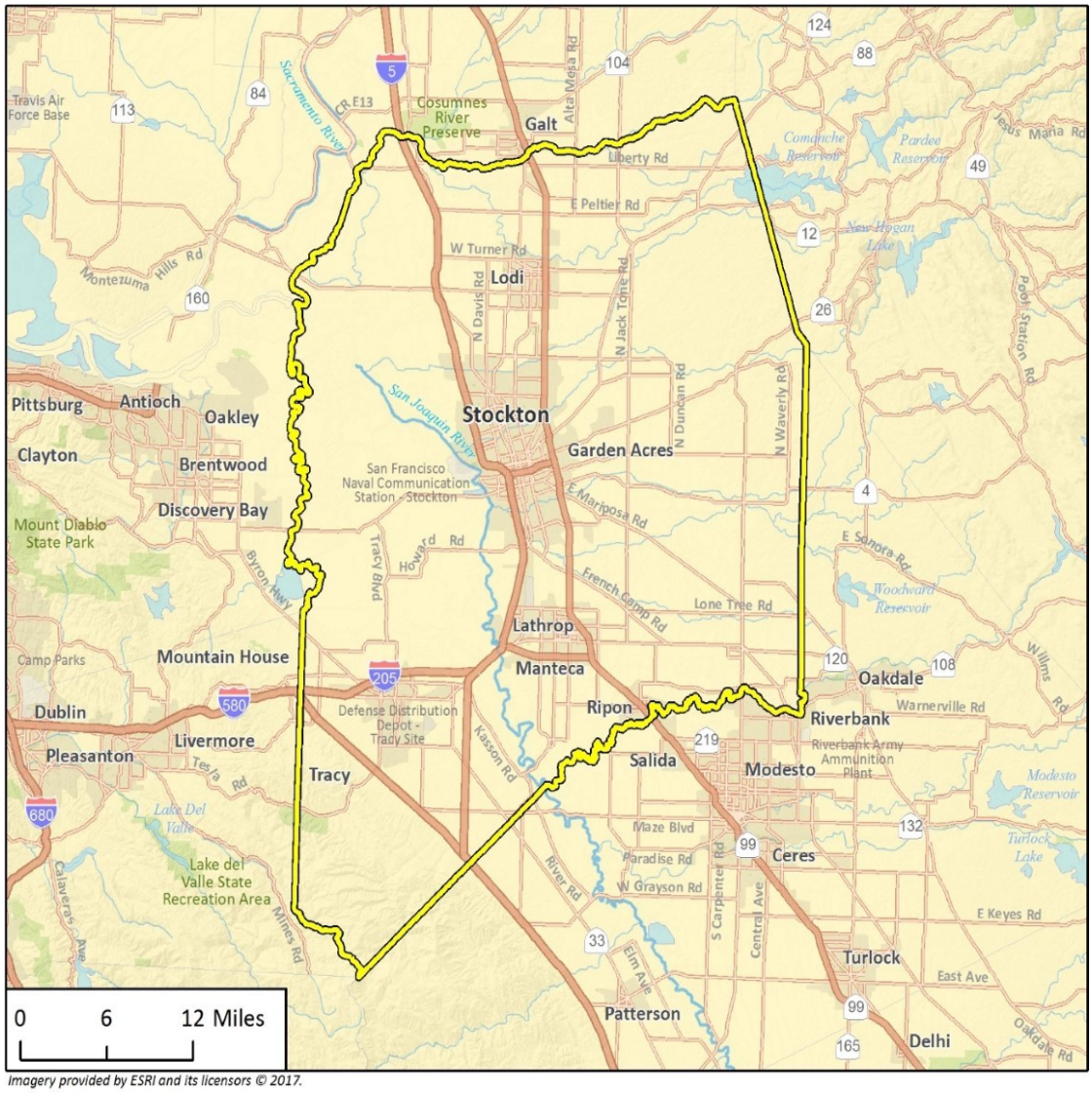
Edith Verdin
Senior Regional Planner
San Joaquin Council of Governments

Attachments

Attachment 1 Project Location Map

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Project Location Map



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San Joaquin County

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Fig 2 Regional Location

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JOAQUIN

May 6th, 2025

California Valley Miwok Tribe
Lawrence Wilson Jr., Cultural Specialist
P.O. Box 395
West Point, CA 95255
Via Email: l.ewilson@yahoo.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Cultural Specialist Wilson Jr.:

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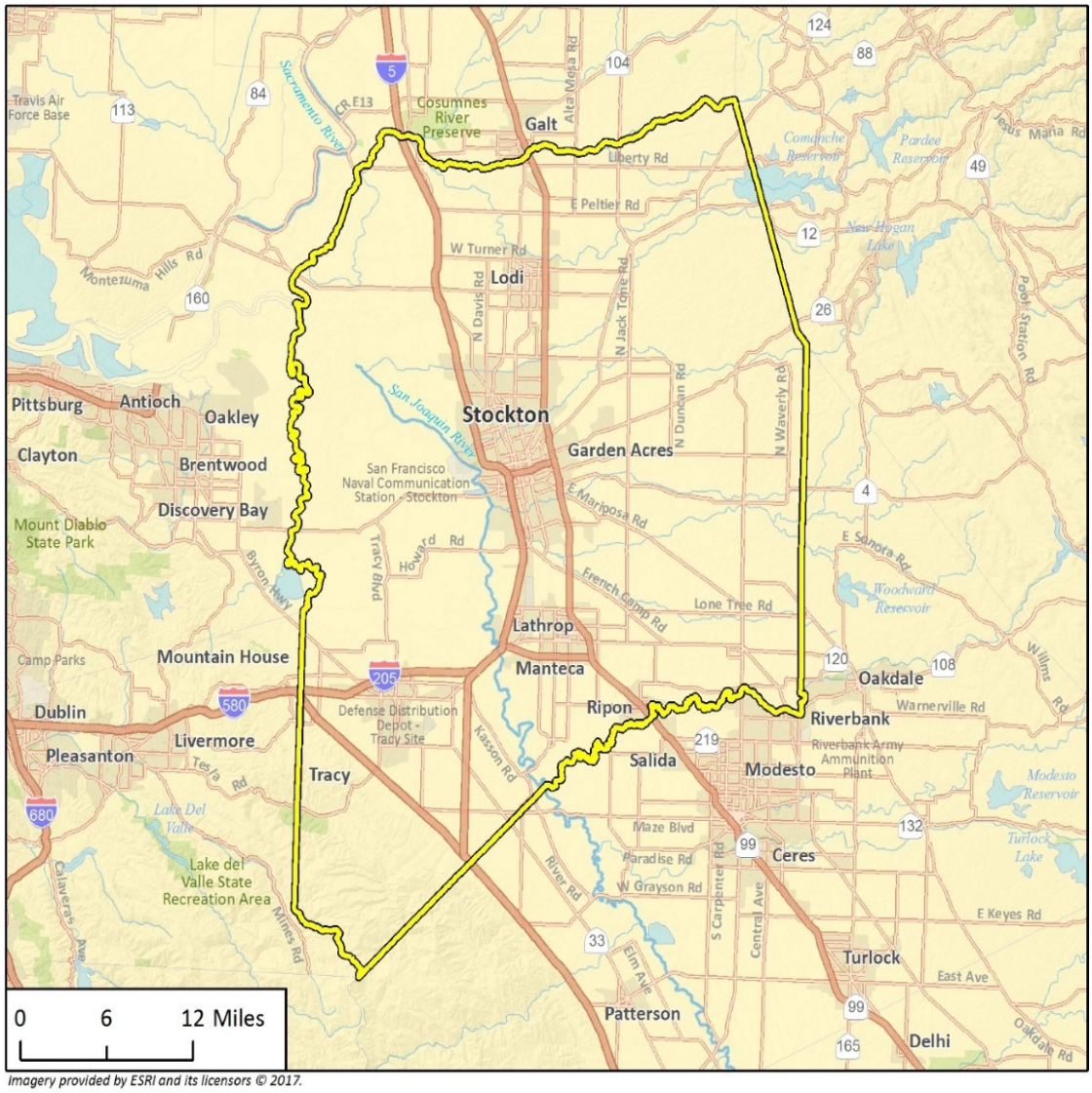
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May 6th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
Monica Fox, Tribal Administrator
P.O. Box 1159
Jamestown, CA 95327
Via Email: mfox@crbtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Administrator Fox:

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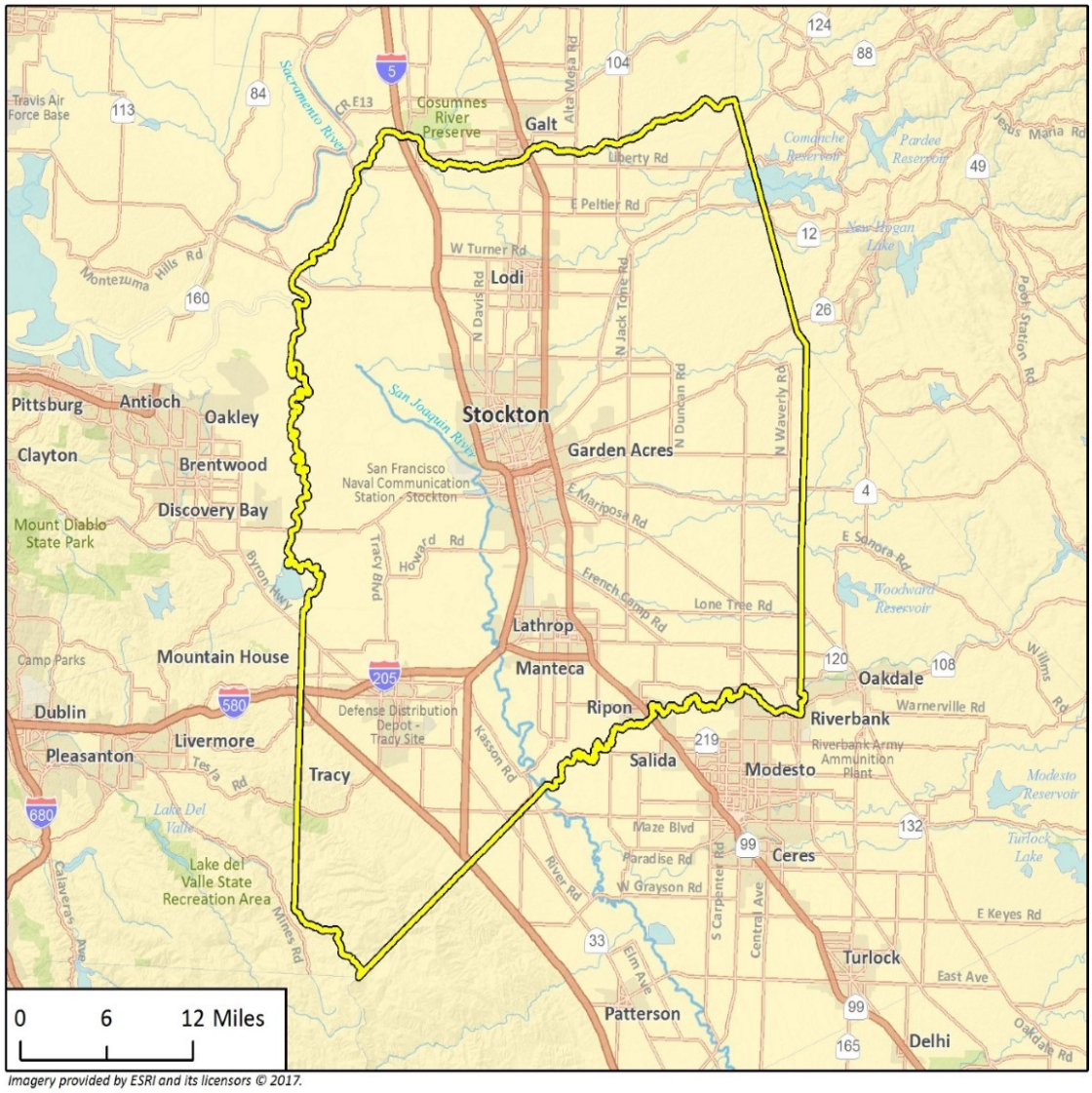
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May 12th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
James Mathiesen, Chairman
PO Box 1159
Jamestown, CA 95327
Via Email: jmathiesen@crtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairman Mathiesen:

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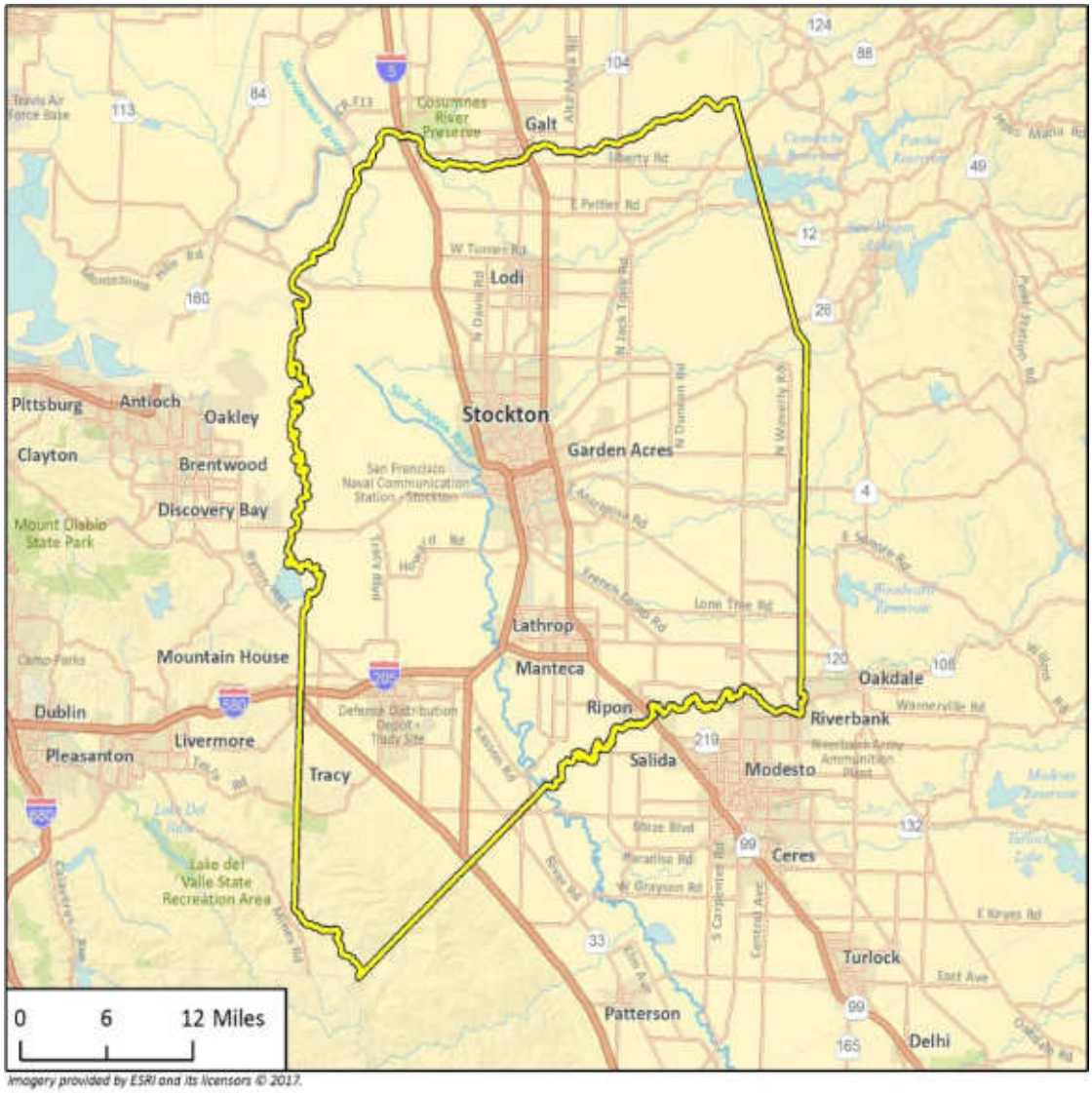
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May 6th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
Lloyd Mathiesen, Chairperson
P.O. Box 1159
Jamestown, CA 95327
Via Email: lmathiesen@crtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Mathiesen:

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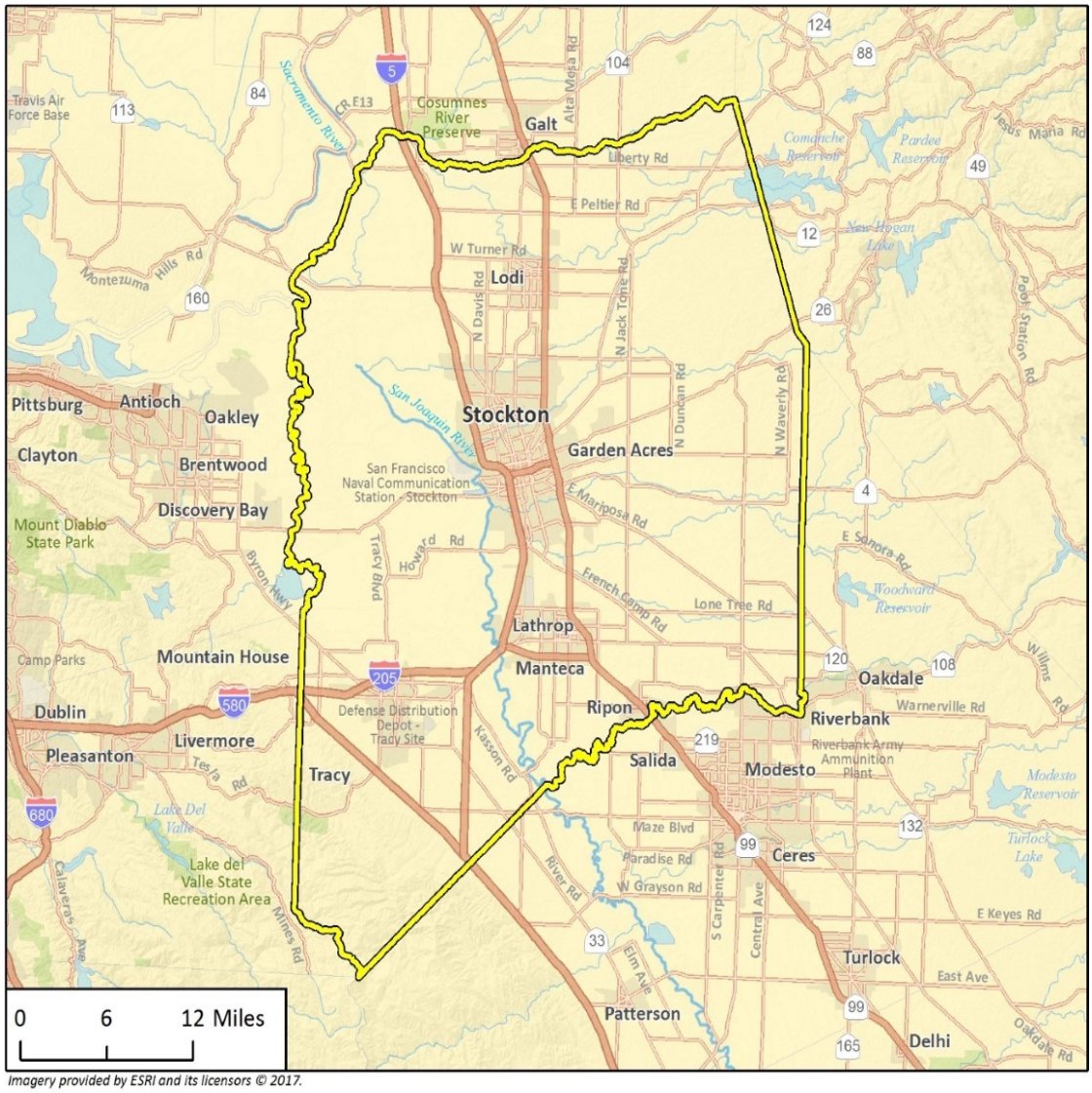
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May 6th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
Bailey Hunter, Environmental & Natural Resource Manager
P.O. Box 1159
Jamestown, CA 95327
Via Email: bhunter@crbtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Environmental & Natural Resource Manager Hunter:

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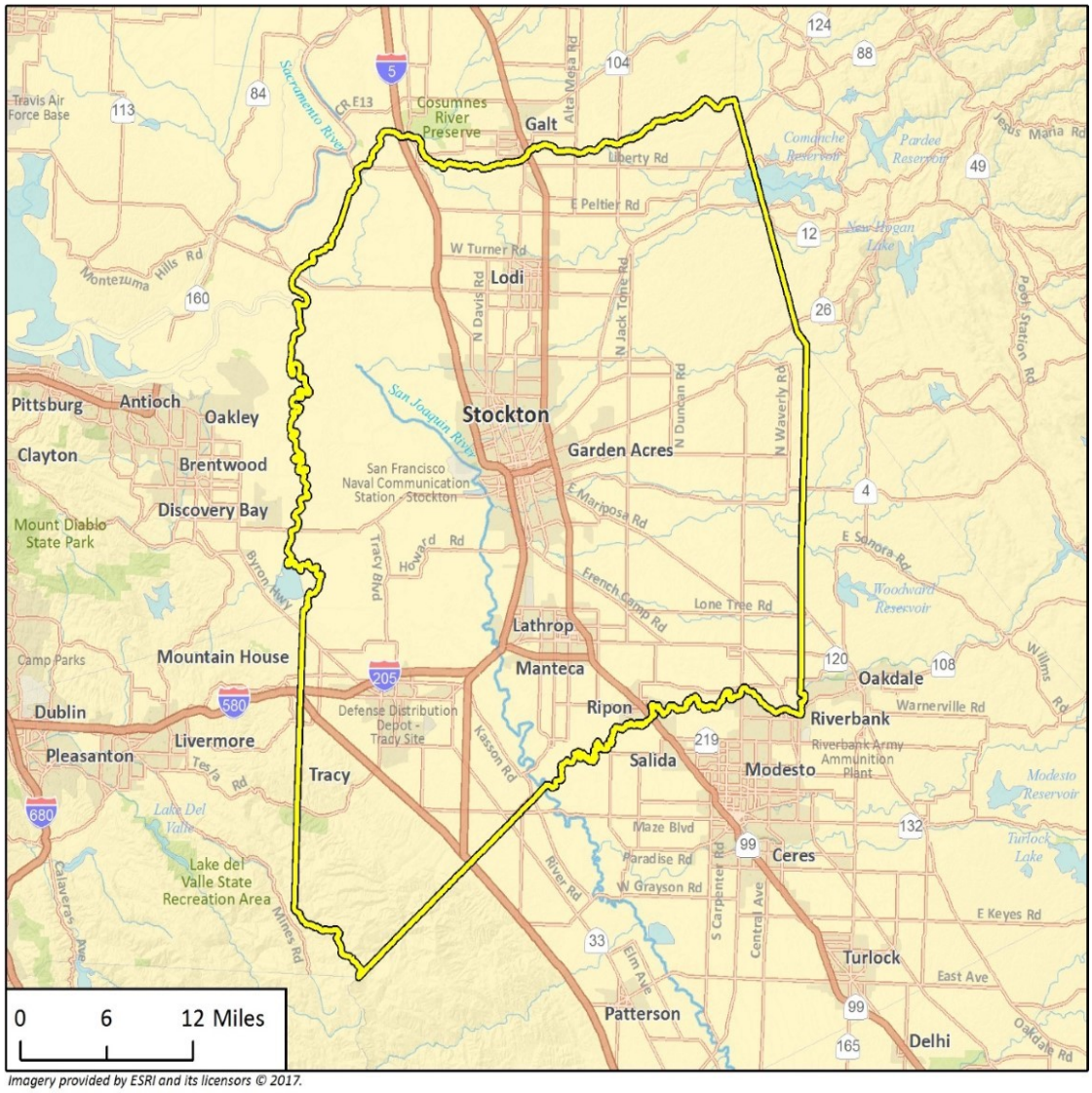
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May 12th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
Stephanie Suess, Community and Resources Development Director
PO Box 1159
Jamestown, CA 95327
Via Email: ssuess@crtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Community and Resources Development Director Suess:

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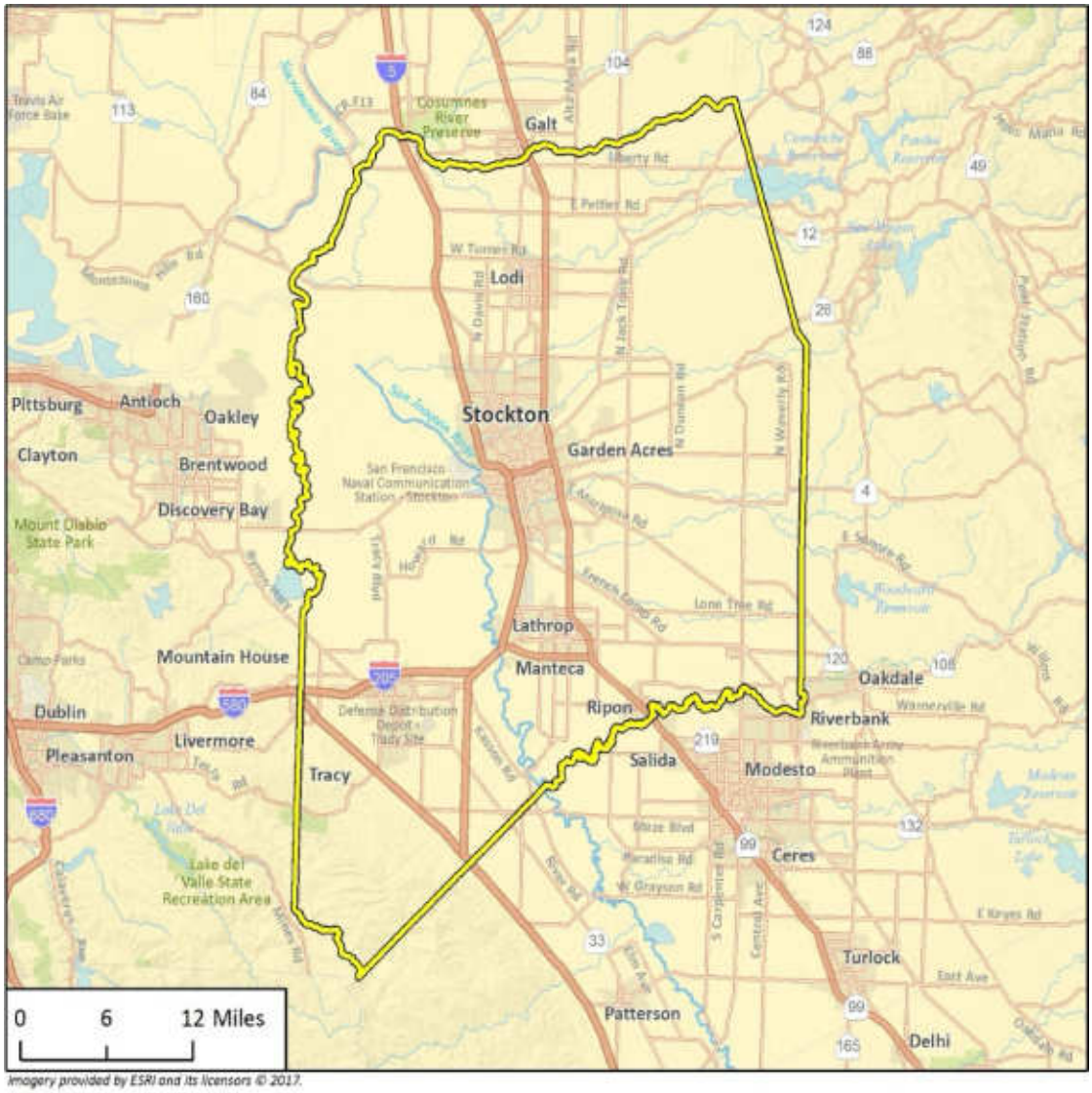
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May 12th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
Monica Fox, Tribal Administrator
PO Box 1159
Jamestown, CA 95327
Via Email: mfox@crtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Administrator Fox:

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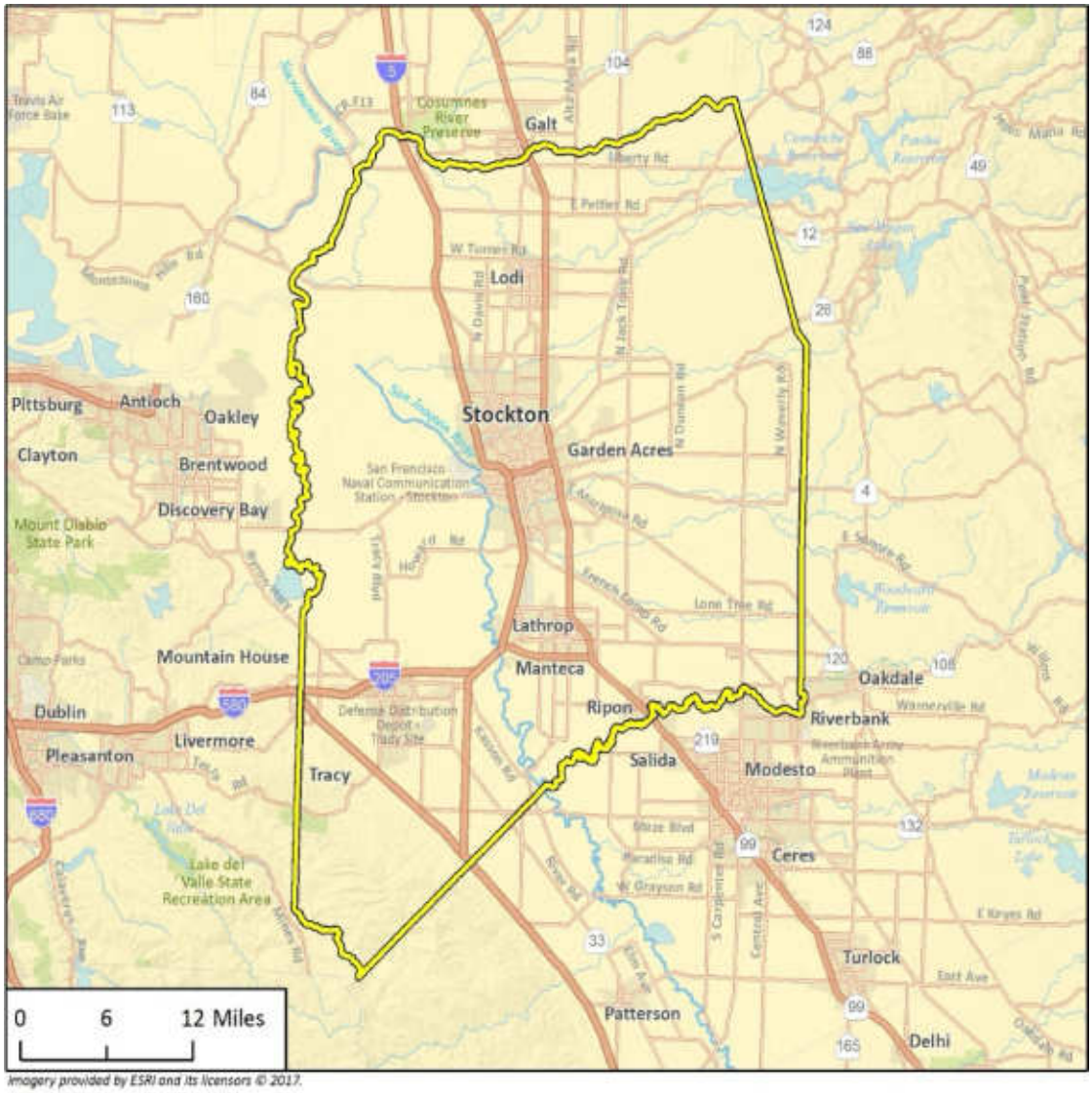
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May 6th, 2025

Chicken Ranch Rancheria of Me-Wuk Indians
James Smith, Vice Chairman
P.O. Box 1159
Jamestown, CA 95327
Via Email: jsmith@crbtribal.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Vice Chairman Smith:

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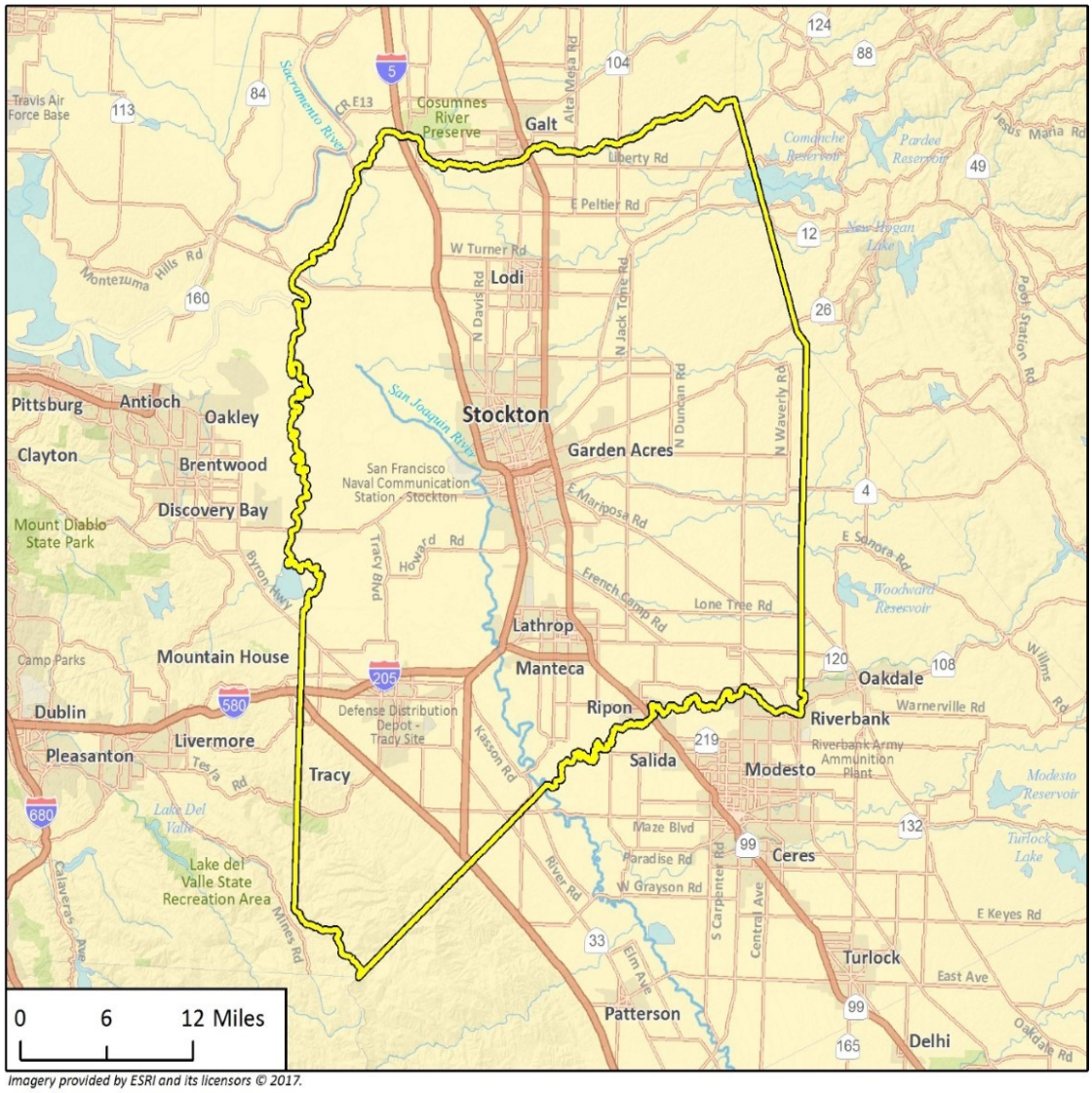
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May 6th, 2025

Confederated Villages of Lisjan Nation
Corrina Gould, Chairperson
10926 Edes Ave
Oakland, CA 94603
Via Email: cvltribe@gmail.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Gould:

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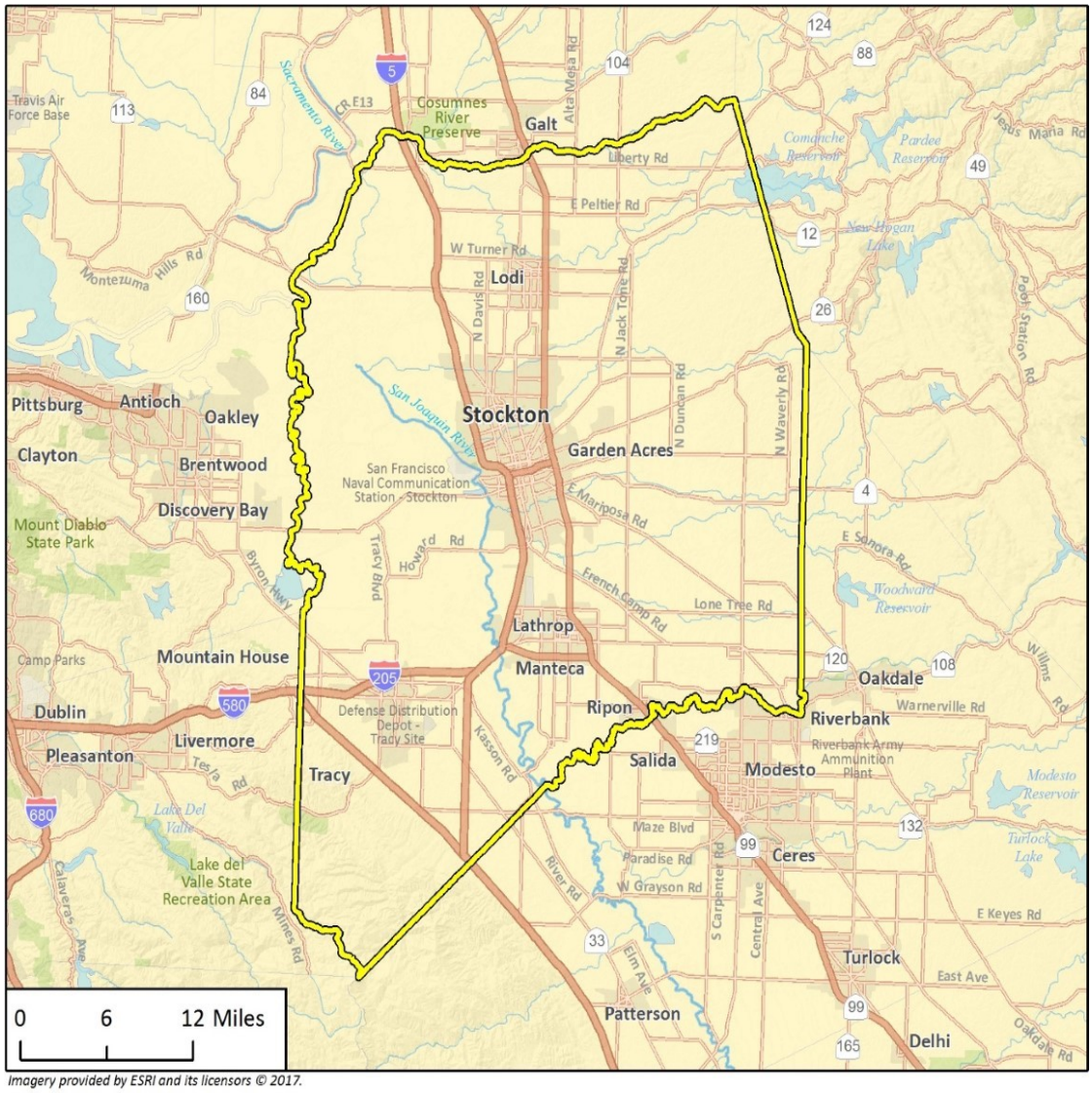
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May 6th, 2025

Confederated Villages of Lisjan Nation
Deja Gould, Language Program Manager
10926 Edes Ave
Oakland, CA 94603
Via Email: cvltribe@gmail.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Language Program Manager Gould:

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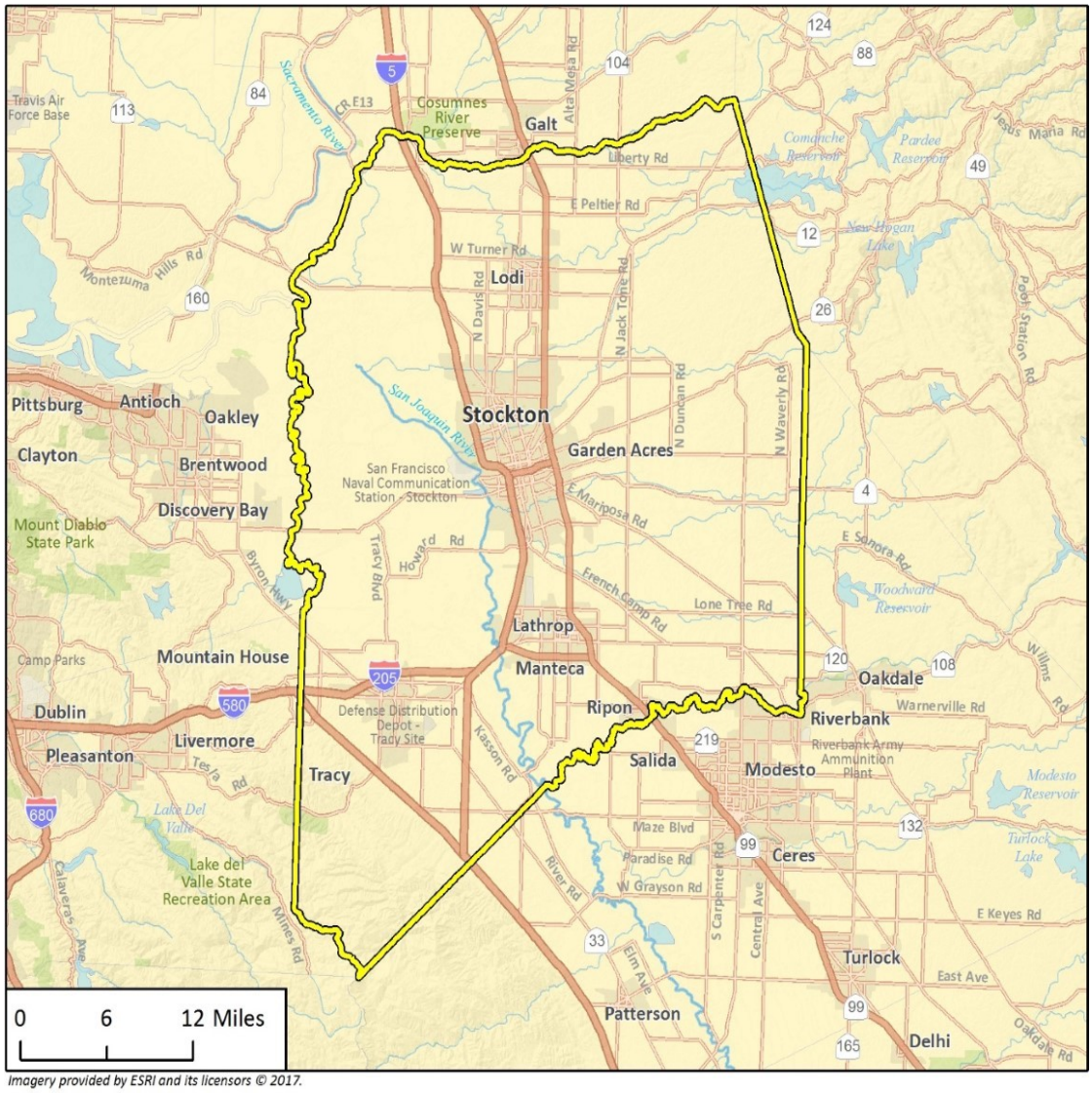
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Confederated Villages of Lisjan Nation
Cheyenne Gould, Tribal Cultural Resource Manager
10926 Edes Ave
Oakland, CA 94603
Via Email: cvltribe@gmail.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Cultural Resource Manager Gould:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Confederated Villages of Lisjan Nation is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

Sincerely,

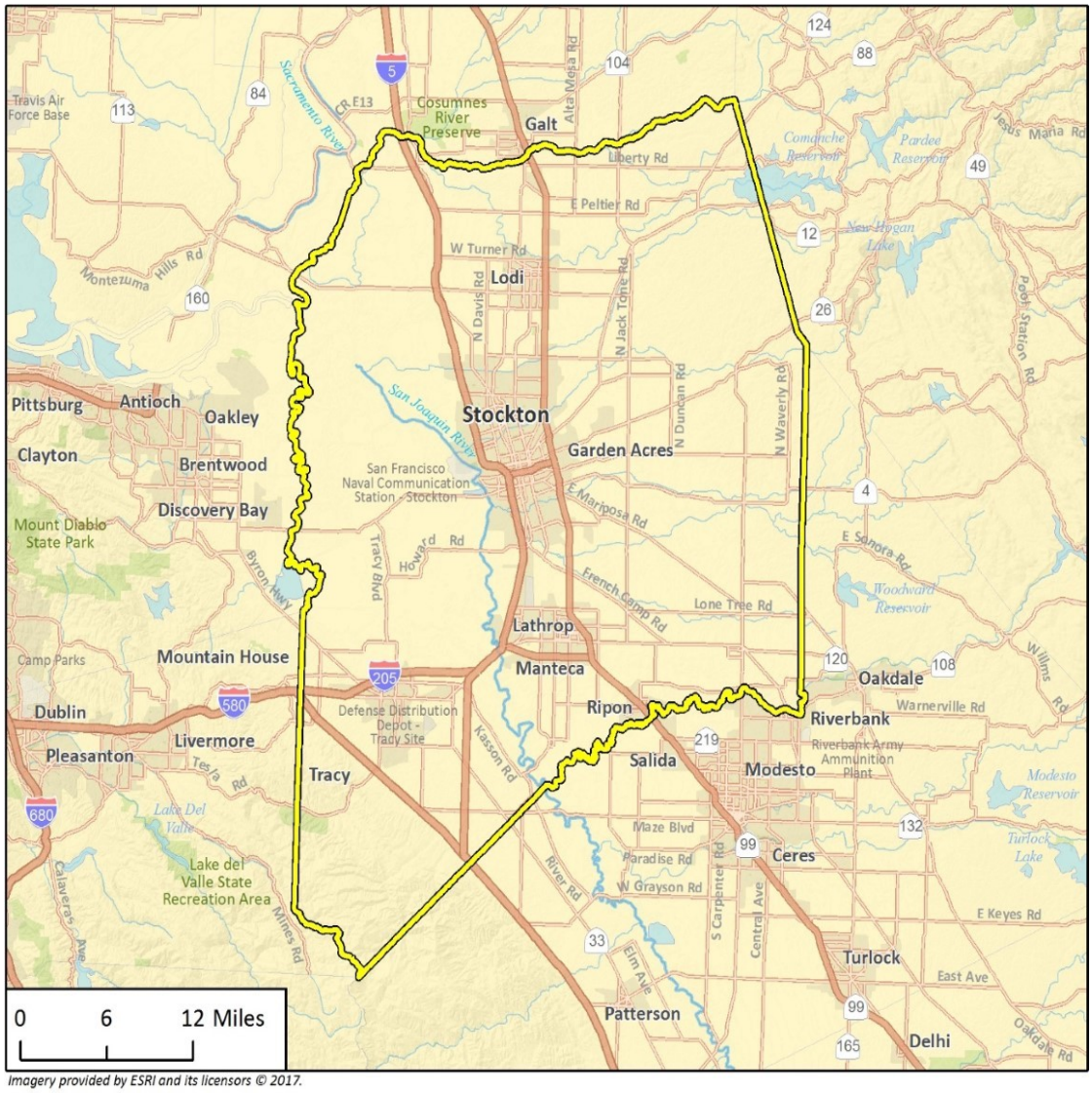
Edith Verdin
Senior Regional Planner
San Joaquin Council of Governments

Attachments

Attachment 1 Project Location Map

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Project Location Map



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San Joaquin County

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Fig 2 Regional Location

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May 6th, 2025

Guidiville Rancheria of California
Bunny Tarin, Tribal Administrator
PO Box 339
Talmage, CA 95481
Via Email: admin@guidiville.net

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Administrator Tarin:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Guidiville Rancheria of California is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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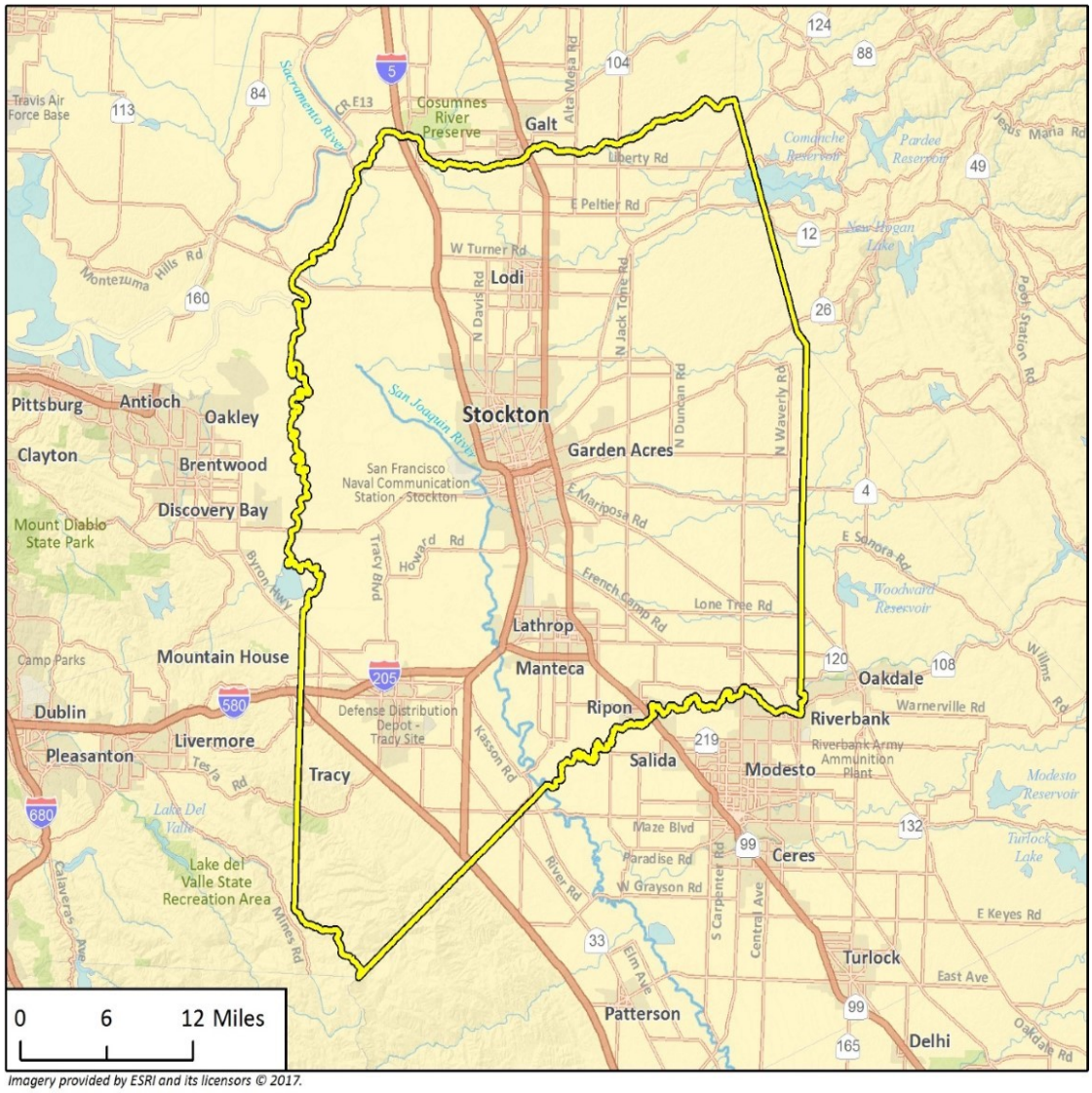
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May 6th, 2025

Guidiville Rancheria of California
Michael Derry, Historian
PO Box 339
Talmage, CA 95481
Via Email: historian@guidiville.net

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Historian Derry:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Guidiville Rancheria of California is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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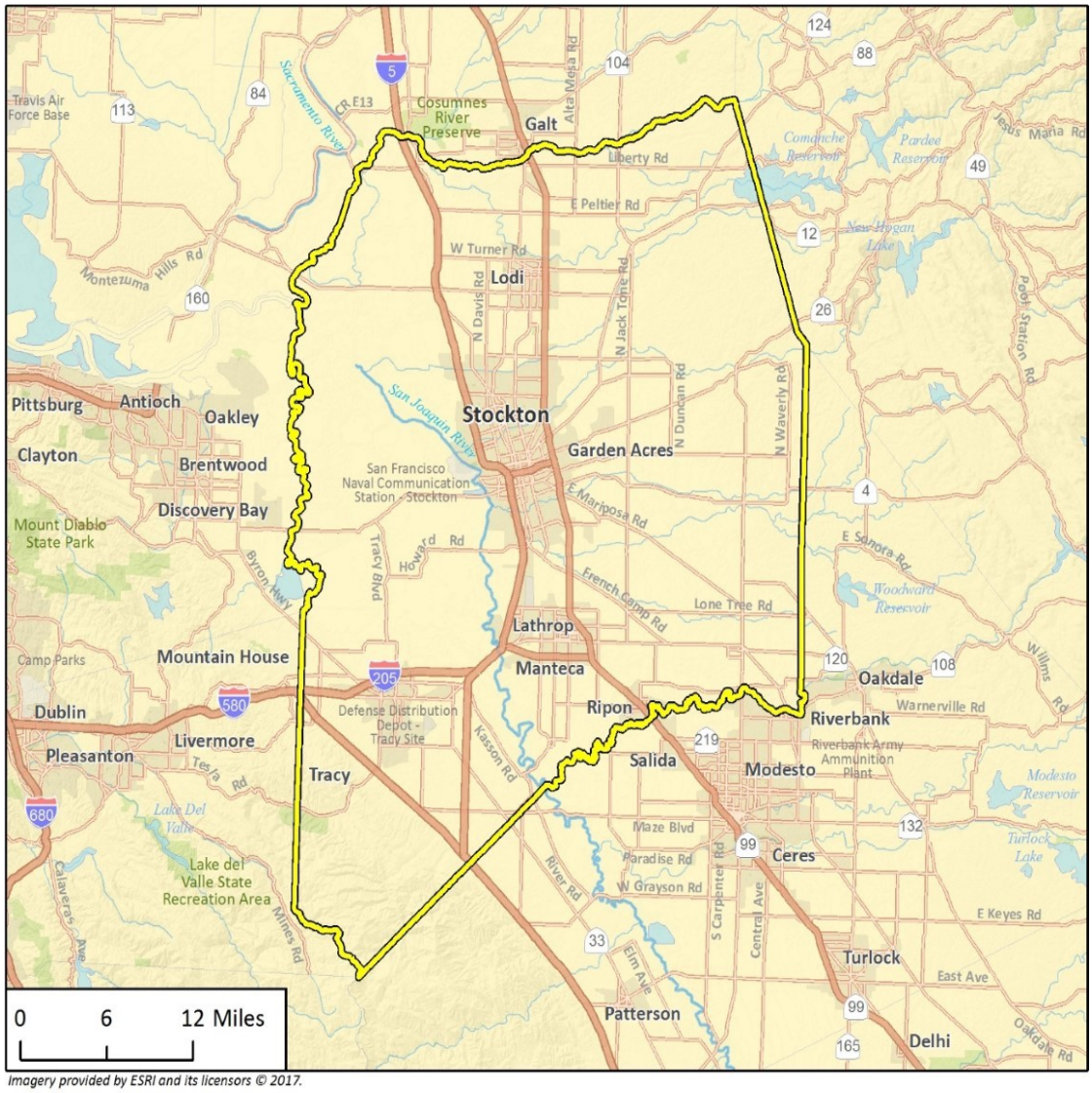
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May 6th, 2025

Ione Band of Miwok Indians
Sara Dutschke, Chairperson
9252 Bush Street
Plymouth, CA 95669
Via Email: consultation@ionemiwok.net

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Dutschke:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Ione Band of Miwok Indians is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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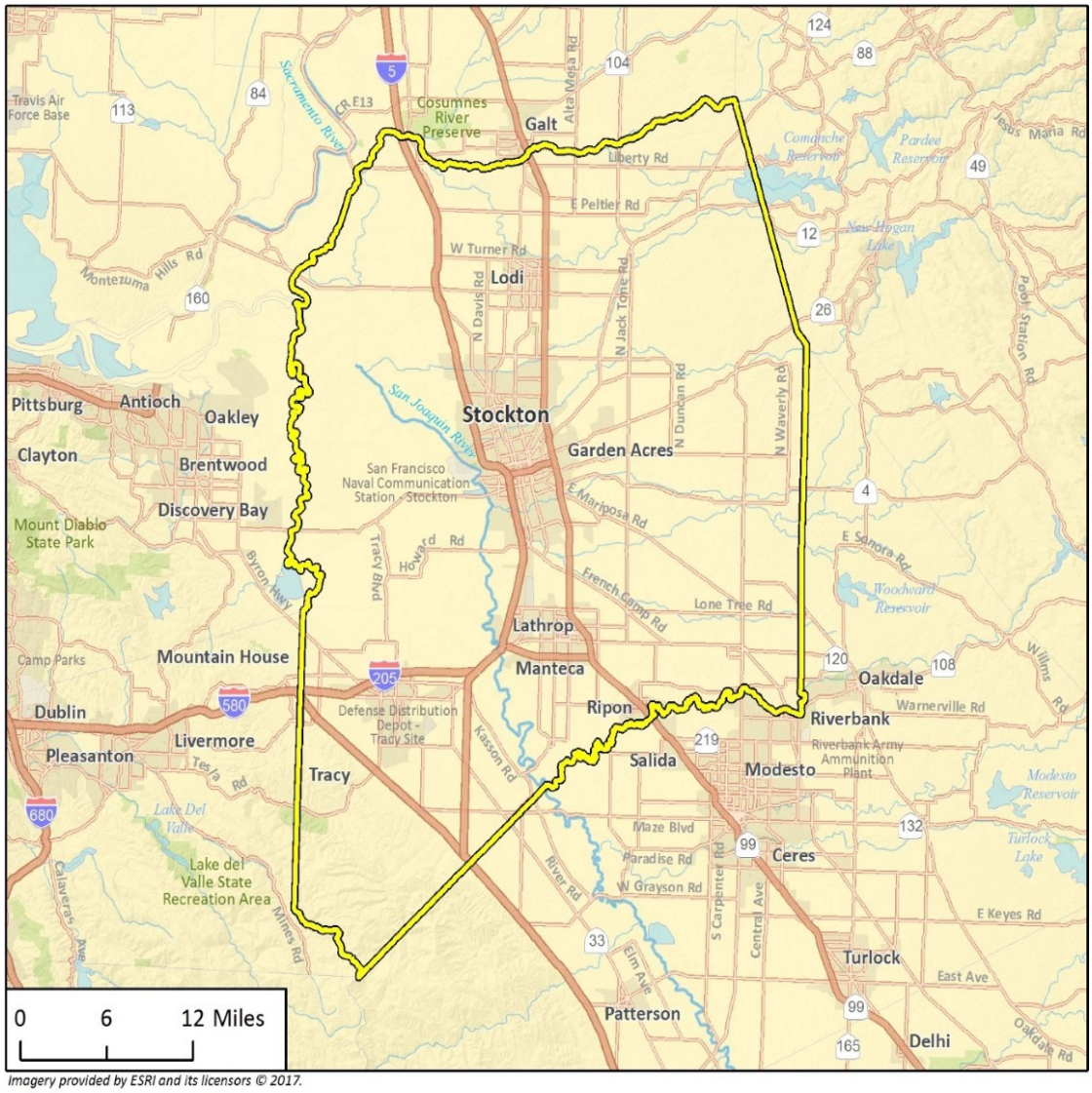
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May 6th, 2025

Muwekma Ohlone Indian Tribe of the SF Bay Area
Monica Arellano, Vice Chairwoman
20885 Redwood Road, Suite 232
Castro Valley, CA 94546
Via Email: monicavarellano@gmail.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Vice Chairwoman Arellano:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

The project must comply with California Public Resources Code § 21080.3.1 (Assembly Bill [AB] 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area that is traditionally and culturally affiliated with the tribe.

The input of the Muwekma Ohlone Indian Tribe of the SF Bay Area is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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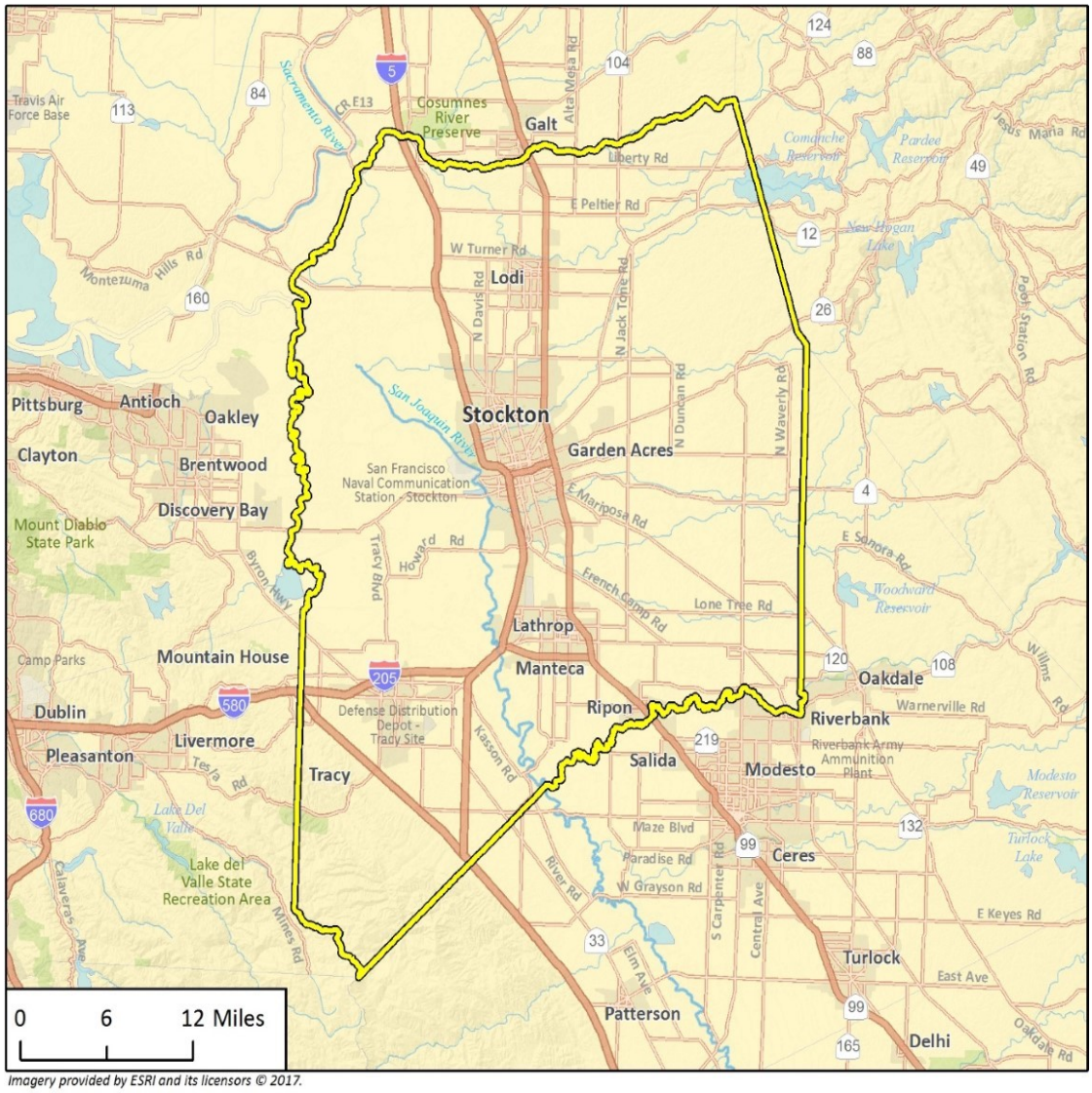
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May 6th, 2025

Nashville Enterprise Miwok-Maidu-Nishinam Tribe
Cosme Valdez, Chairperson
P.O. Box 580986
Elk Grove, CA 95758-0017
Via Email: valdezcome@comcast.net

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Valdez:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Nashville Enterprise Miwok-Maidu-Nishinam Tribe is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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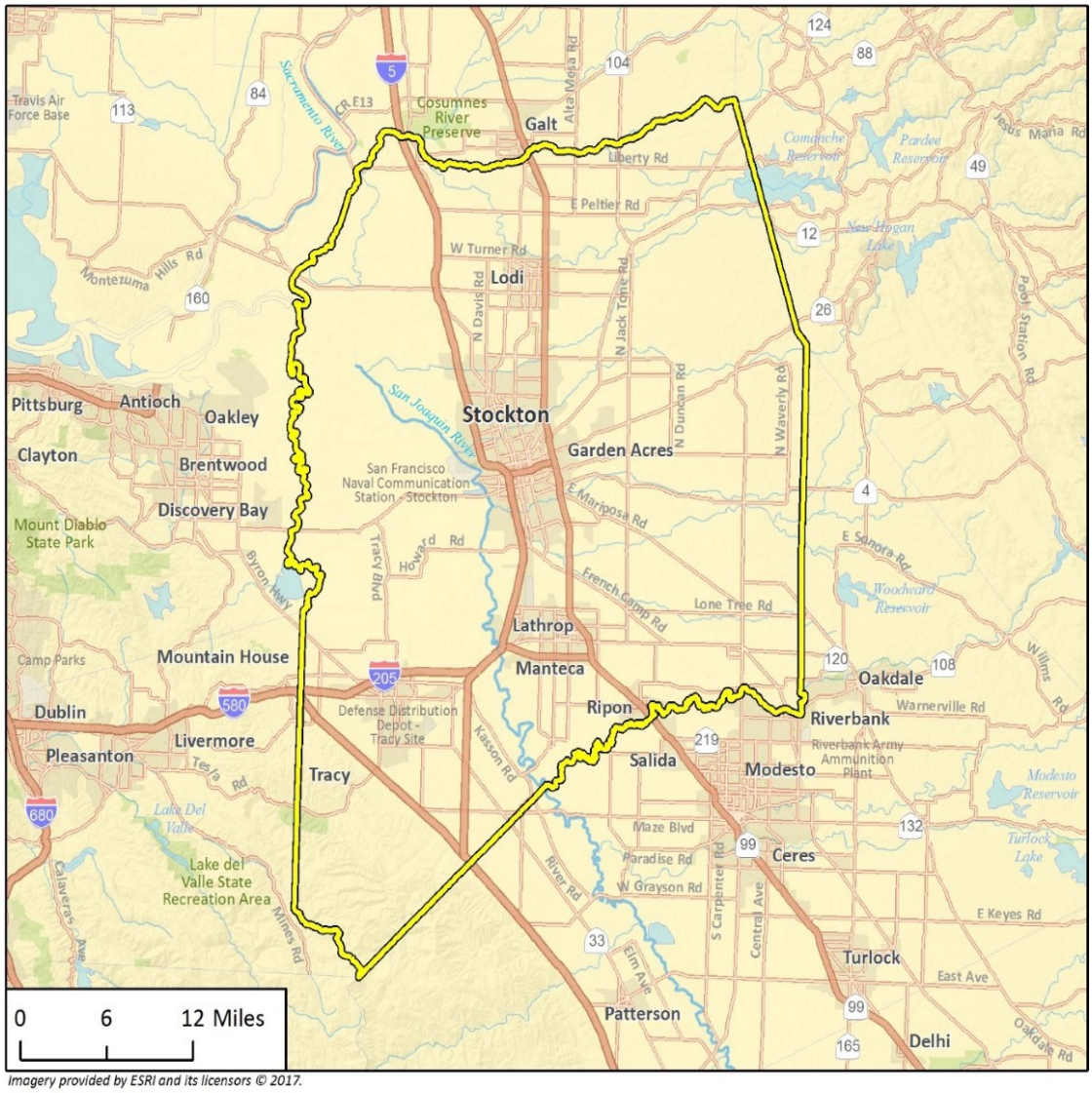
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May 6th, 2025

Nashville Enterprise Miwok-Maidu-Nishinam Tribe
Leland Valdez, Cultural Resources Specialist
P.O. Box 580986
Elk Grove, CA 95758-0017

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Cultural Resources Specialist Valdez:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Nashville Enterprise Miwok-Maidu-Nishinam Tribe is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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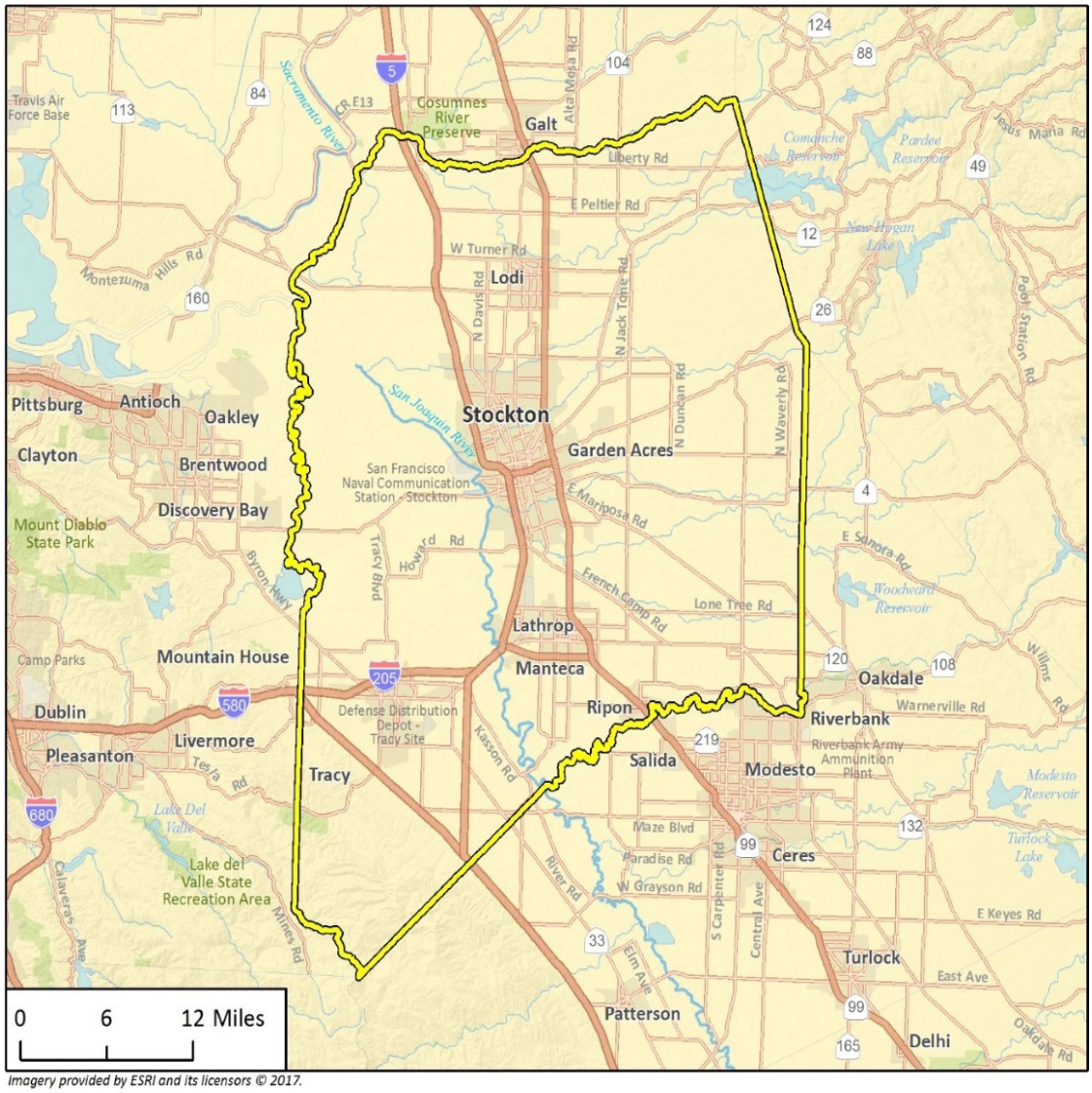
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May 6th, 2025

Northern Valley Yokut / Ohlone Tribe
Timothy Perez, Tribal Compliance Officer
P.O. Box 717
Linden, CA 95236
Via Email: huskanam@gmail.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Compliance Officer Perez:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Northern Valley Yokut / Ohlone Tribe is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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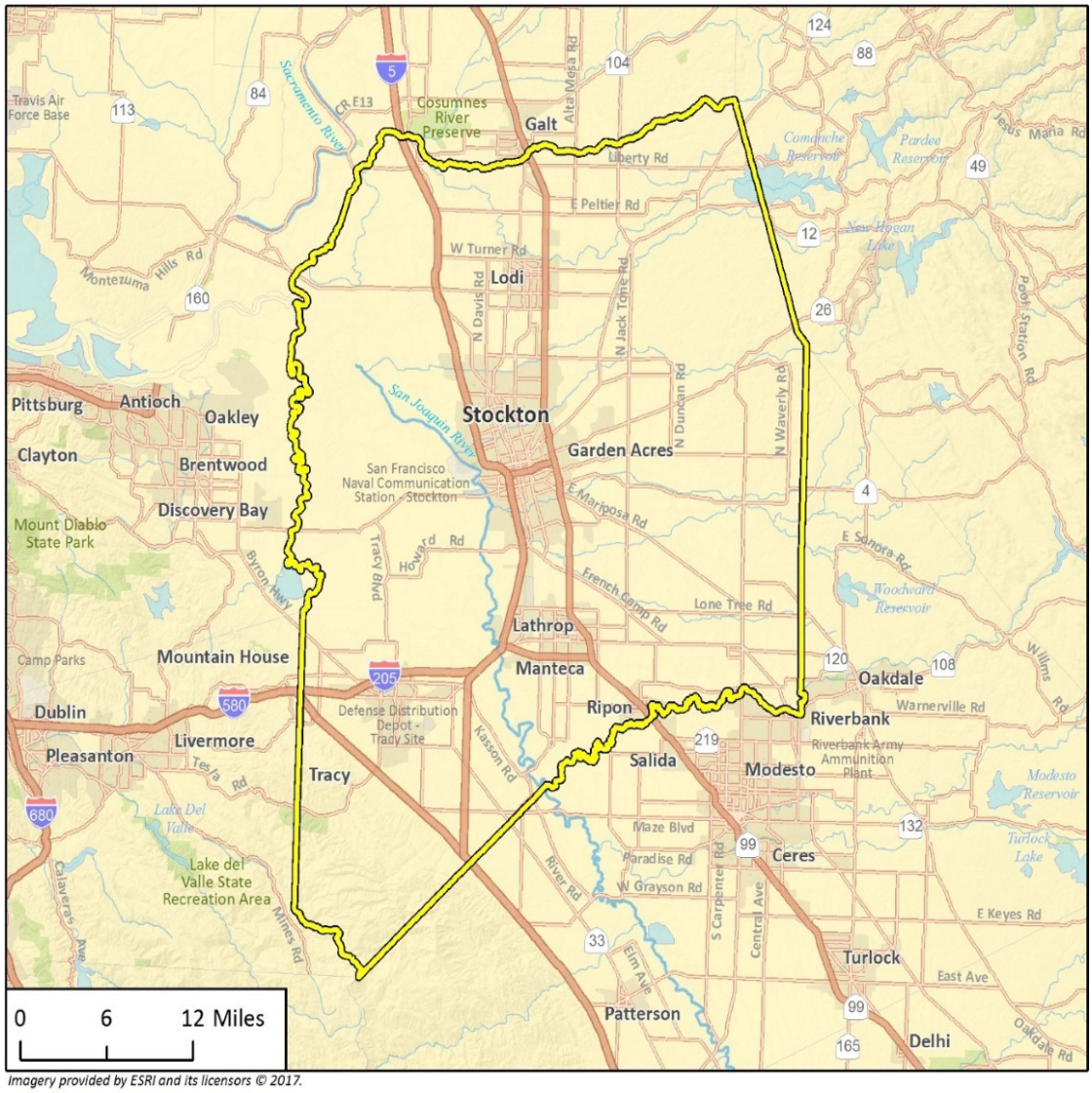
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May 6th, 2025

Tule River Indian Tribe
Neil Peyron, Chairperson
P. O. Box 589
Porterville, CA 93258
Via Email: neil.peyron@tulerivertribe-nsn.gov

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Peyron:

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The input of the Tule River Indian Tribe is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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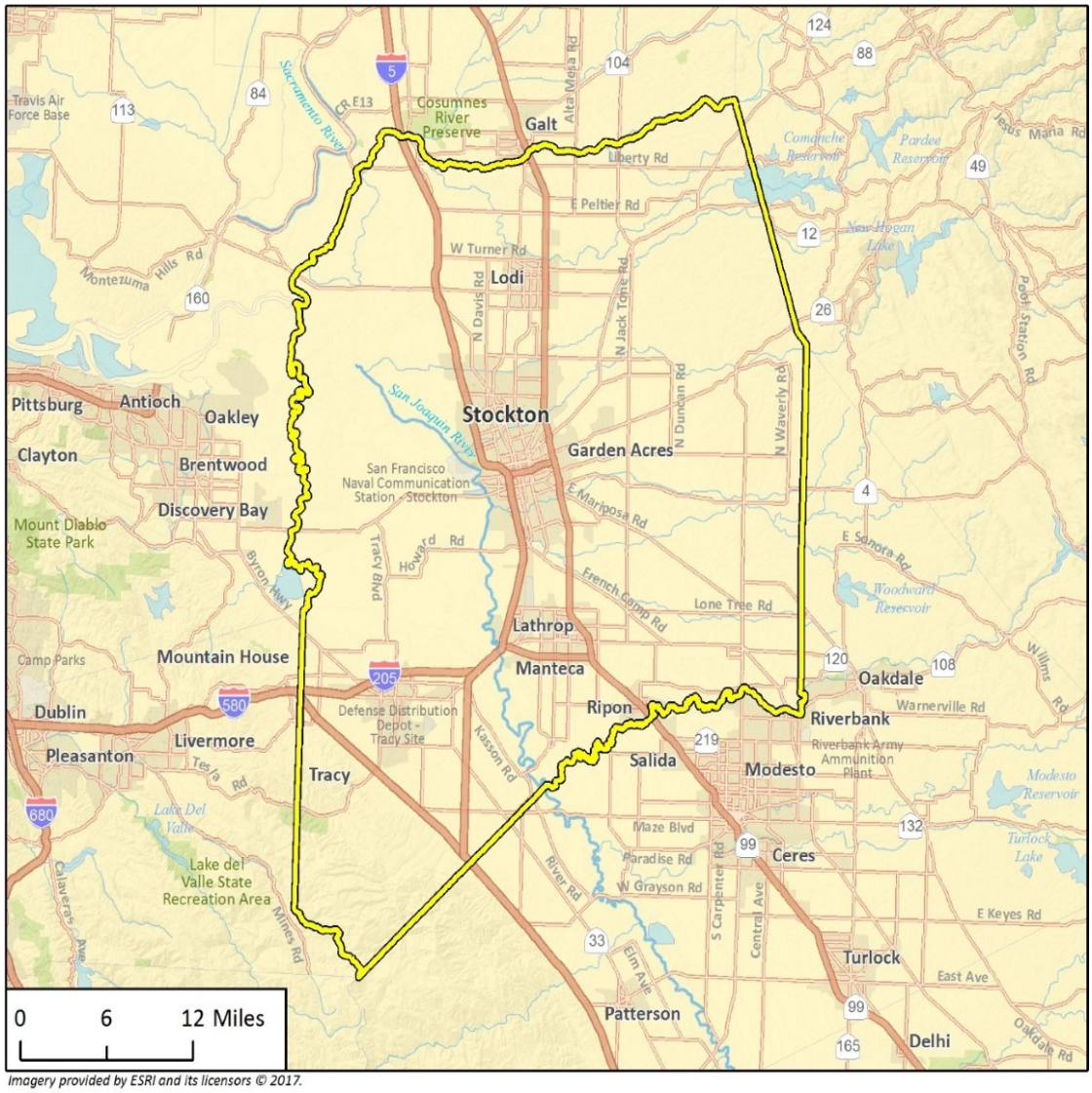
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May 6th, 2025

Tule River Indian Tribe
Kerri Vera
P. O. Box 589
Porterville, CA 93258
Via Email: kerri.vera@tulerivertribe-nsn.gov

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Kerri Vera:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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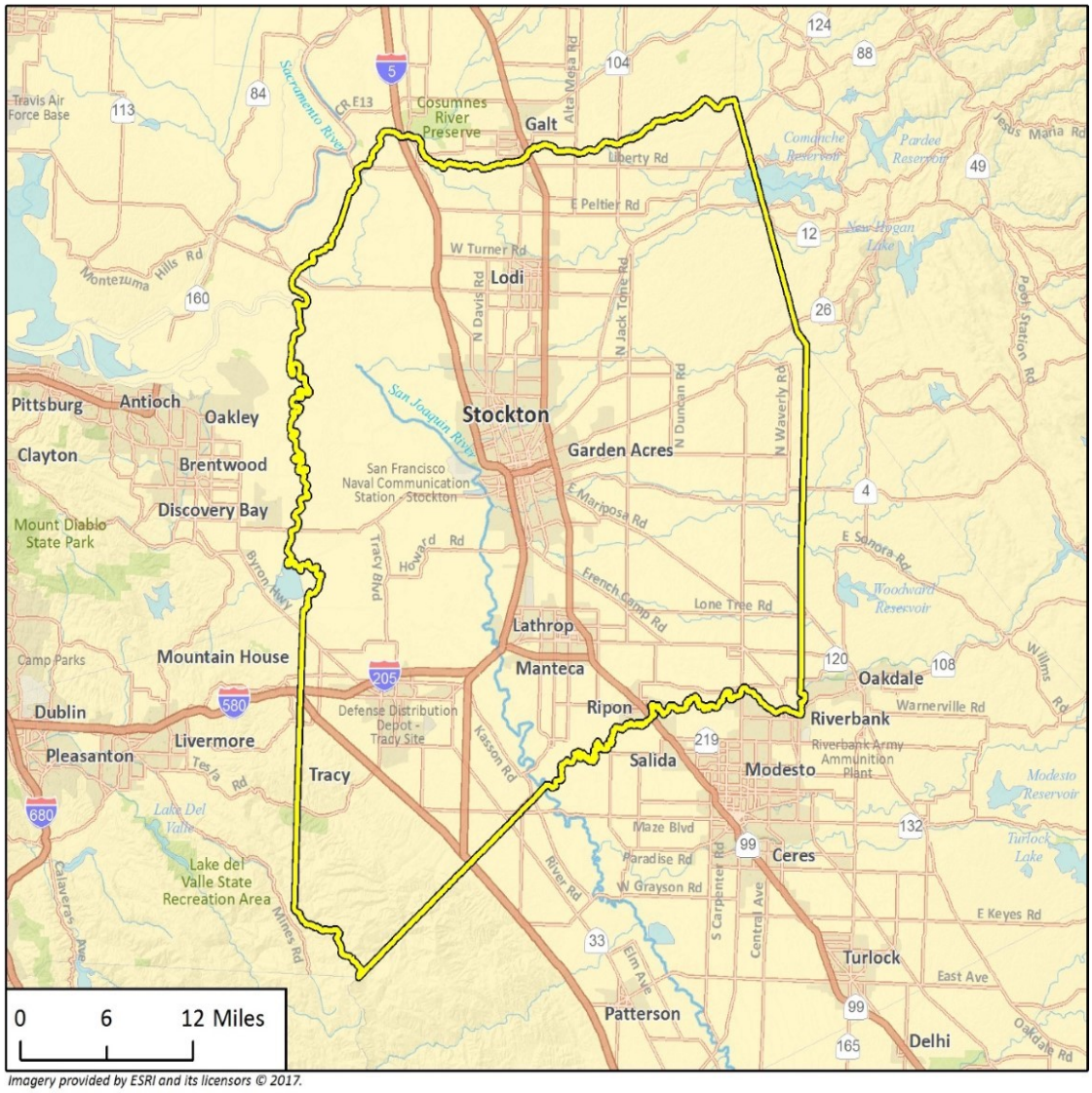
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May 6th, 2025

Tule River Indian Tribe
Joey Garfield, Tribal Archaeologist
P. O. Box 589
Porterville, CA 93258
Via Email: joey.garfield@tulerivertribe-nsn.gov

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Archaeologist Garfield:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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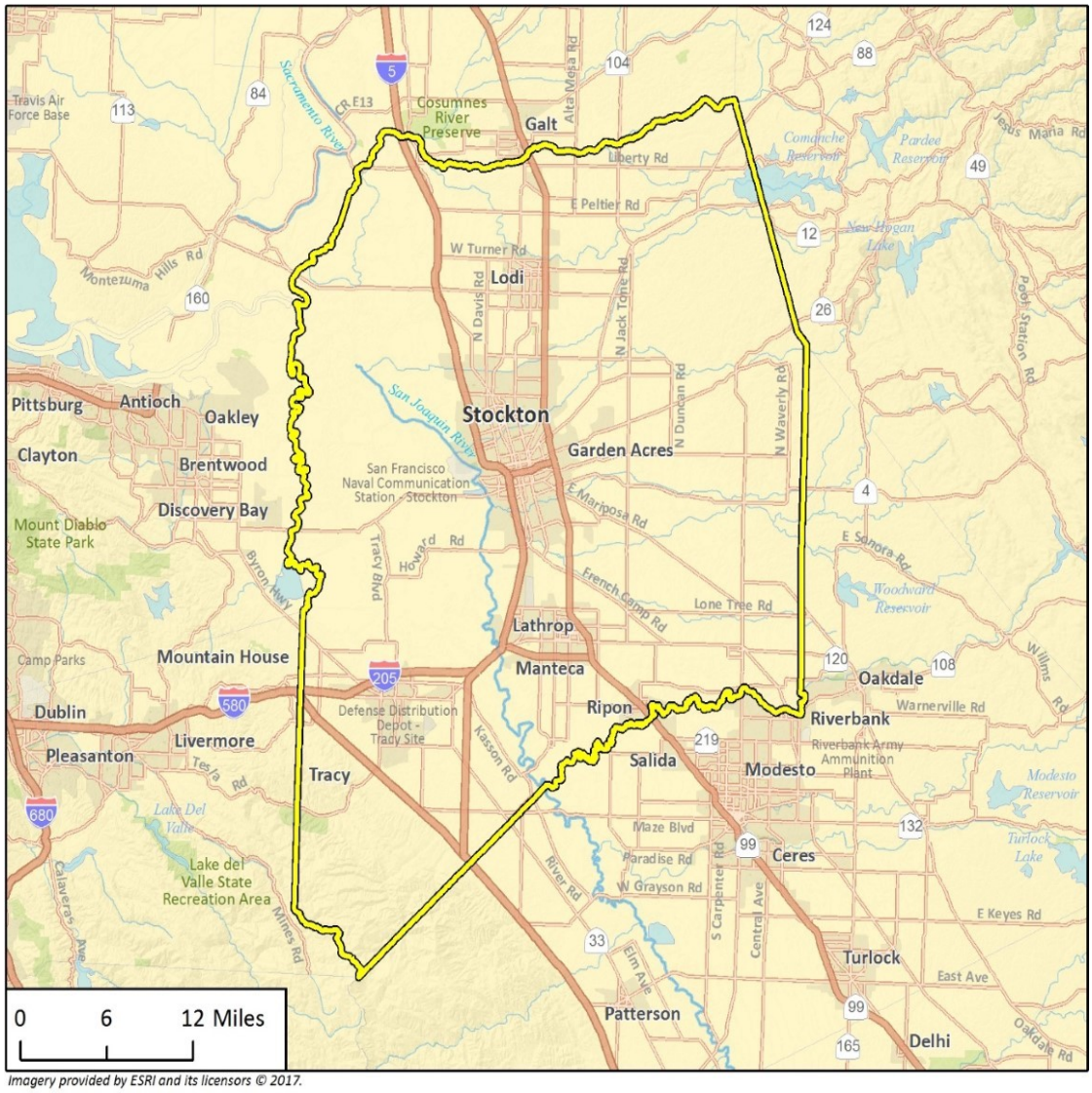
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May 6th, 2025

United Auburn Indian Community of the Auburn Rancheria
Gene Whitehouse, Chairperson
10720 Indian Hill Road
Auburn, CA 95603
Via Email: TribalChairman@auburnrancheria.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Whitehouse:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

The project must comply with California Public Resources Code § 21080.3.1 (Assembly Bill [AB] 52 of 2014), which requires local governments to conduct meaningful consultation with California Native American tribes that have requested to be notified by lead agencies of proposed projects in the geographic area that is traditionally and culturally affiliated with the tribe.

The input of the United Auburn Indian Community of the Auburn Rancheria is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

Sincerely,

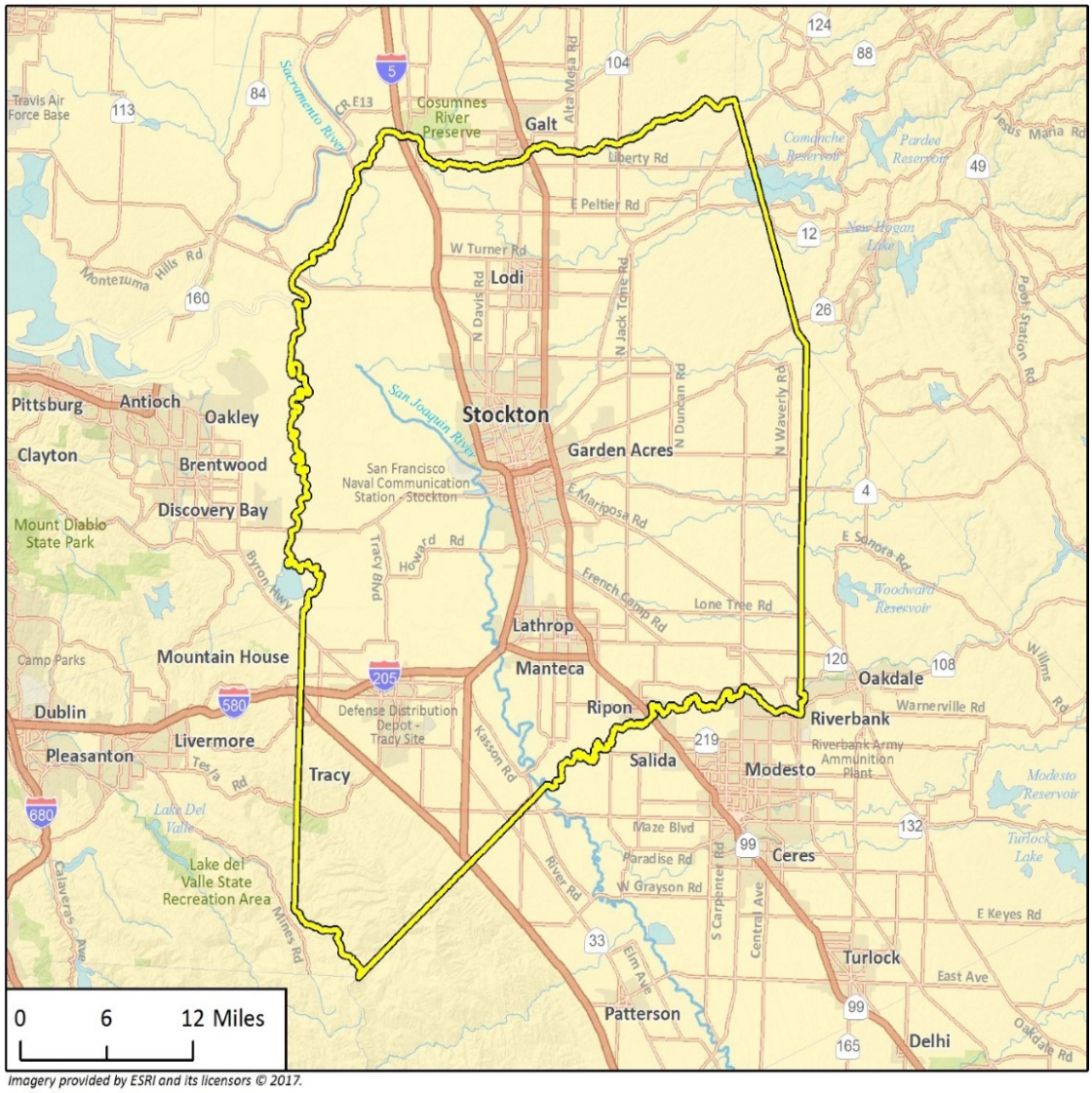
Edith Verdin
Senior Regional Planner
San Joaquin Council of Governments

Attachments

Attachment 1 Project Location Map

Attachment 1

Project Location Map



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San Joaquin County

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Fig 2 Regional Location

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May 6th, 2025

United Auburn Indian Community of the Auburn Rancheria
Matt Moore, Tribal Historic Preservation Officer
10720 Indian Hill Road
Auburn, CA 95603
Via Email: THPO@auburnrancheria.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Tribal Historic Preservation Officer Moore:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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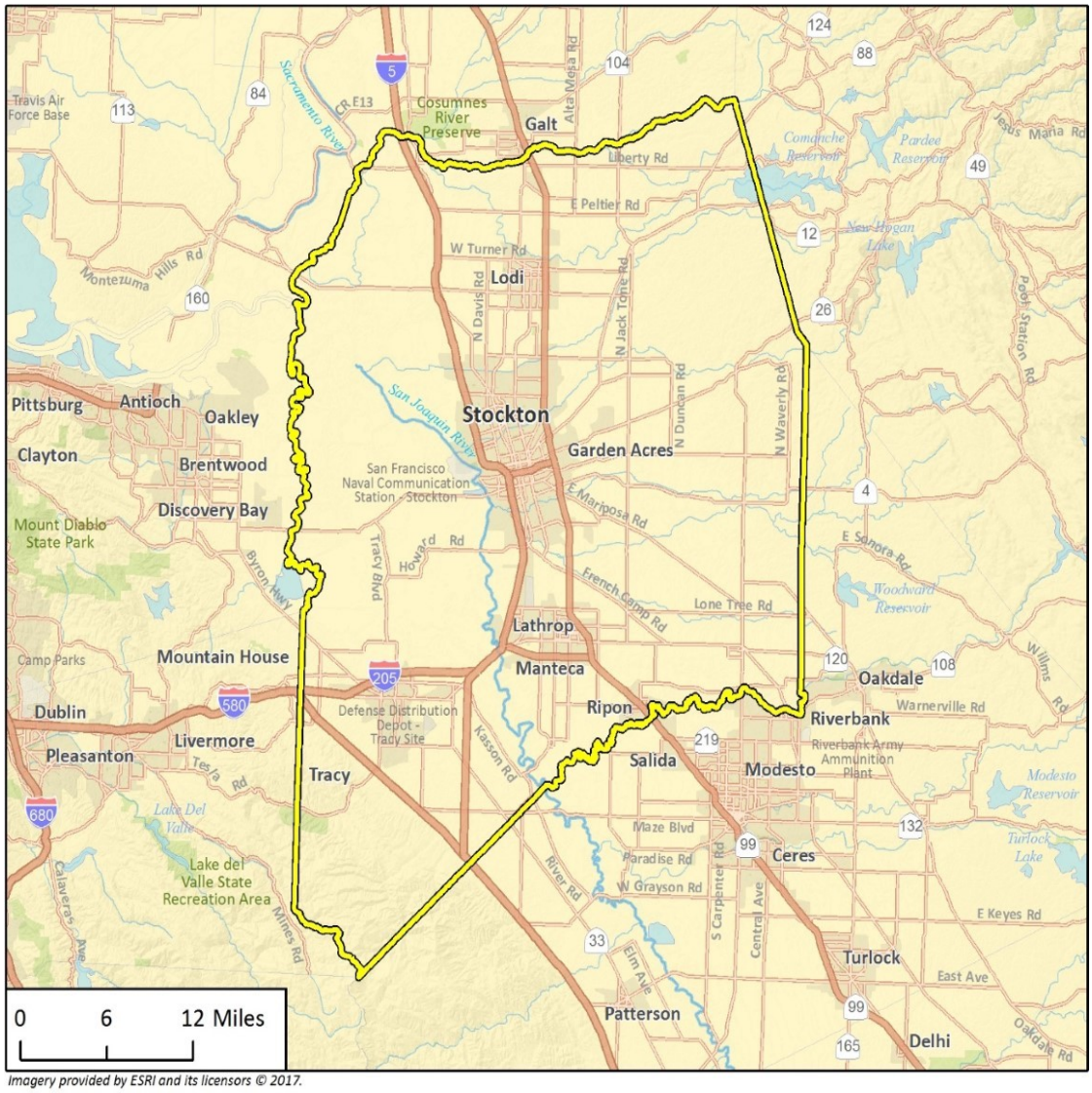
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May 6th, 2025

Wilton Rancheria
Herbert Griffin, Executive Director of Cultural Preservation
9728 Kent Street
Elk Grove, CA 95624
Via Email: hgriffin@wiltonrancheria-nsn.gov

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Executive Director Griffin:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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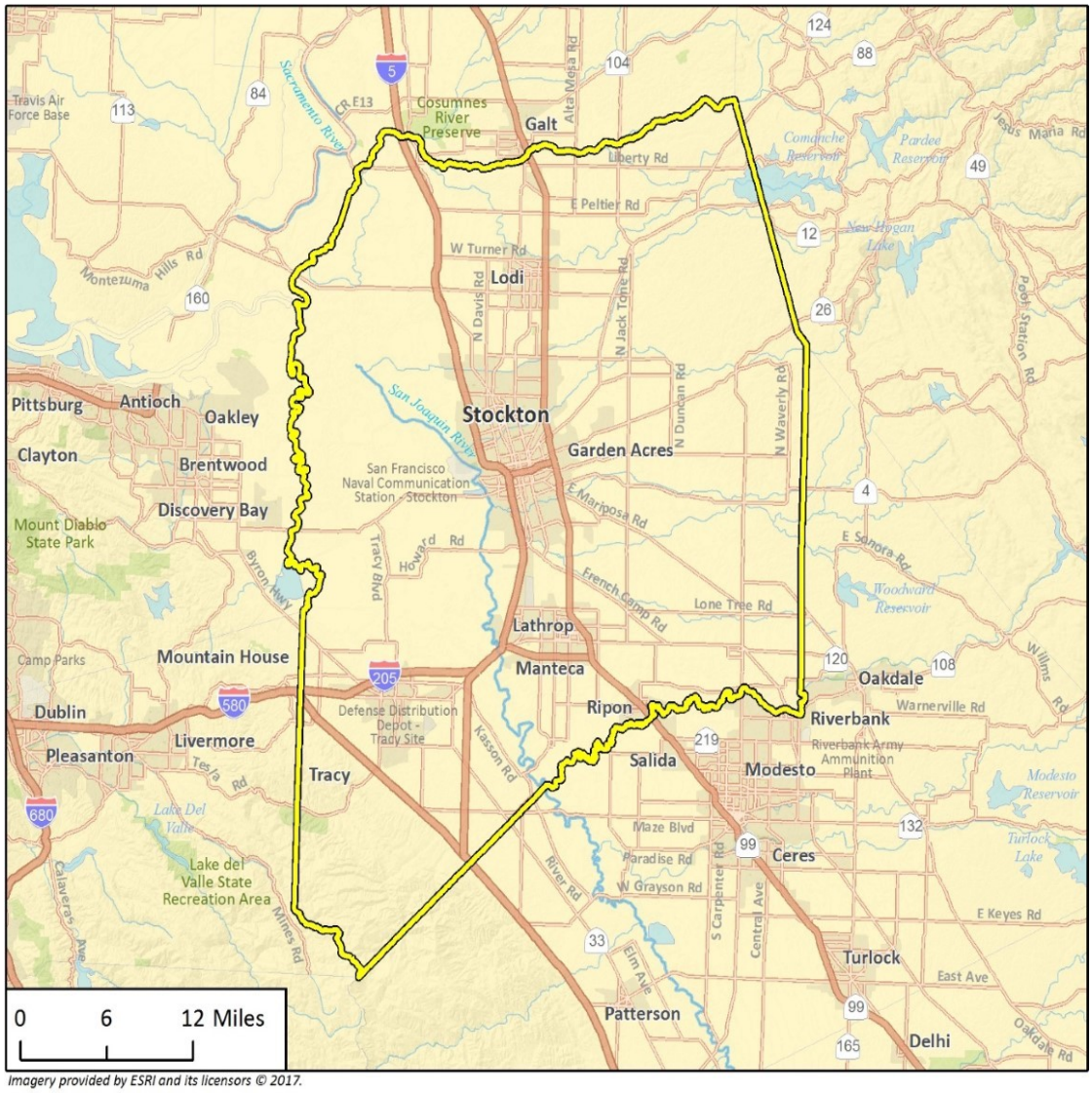
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May 6th, 2025

Wilton Rancheria
Dahlton Brown, Executive Director of Administration
9728 Kent Street
Elk Grove, CA 95624
Via Email: dbrown@wiltonrancheria-nsn.gov

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Executive Director Brown:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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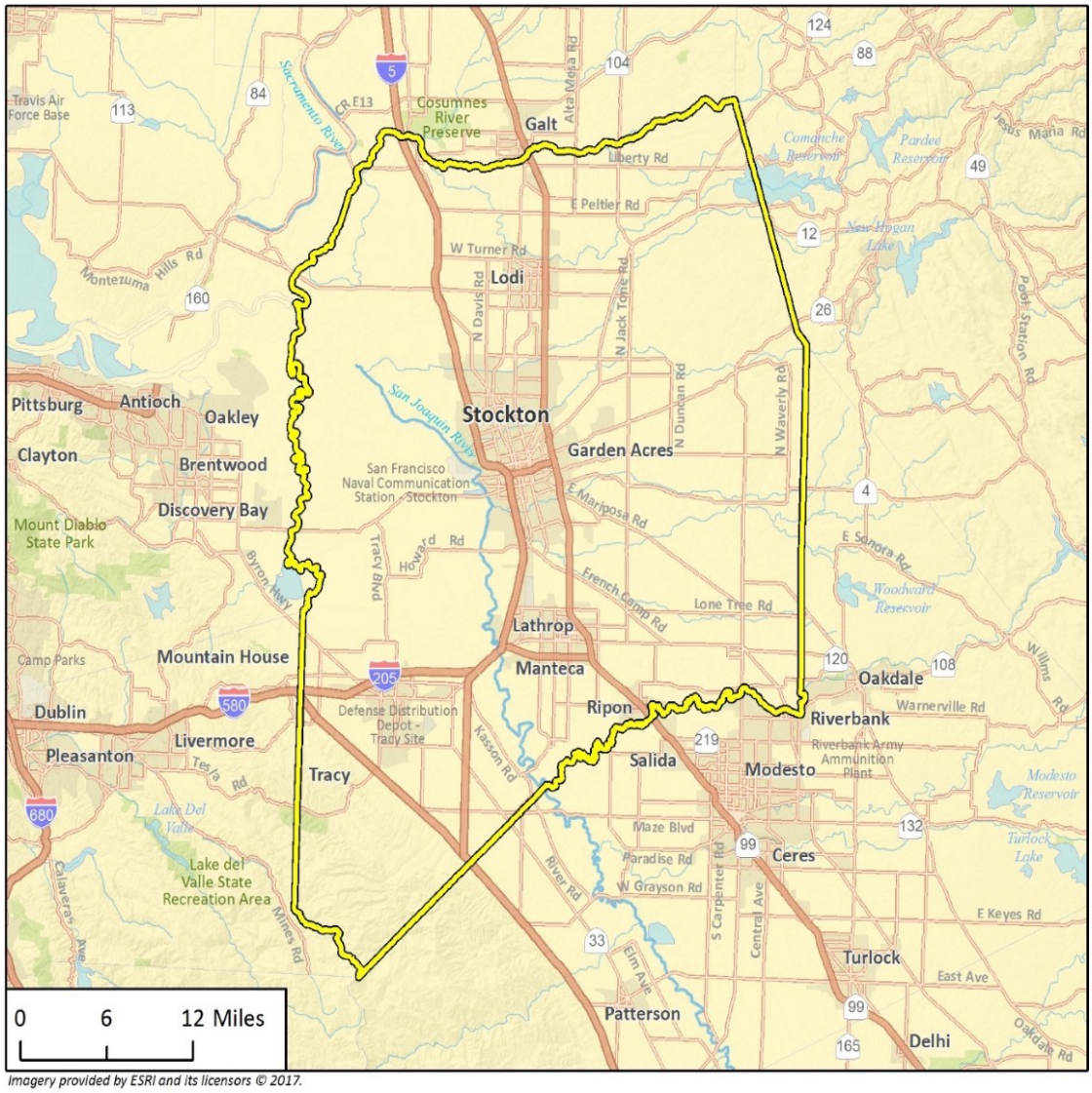
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May 6th, 2025

Wilton Rancheria
Cultural Preservation Department
9728 Kent Street
Elk Grove, CA 95624
Via Email: cpd@wiltonrancheria-nsn.gov

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

To Whom It May Concern:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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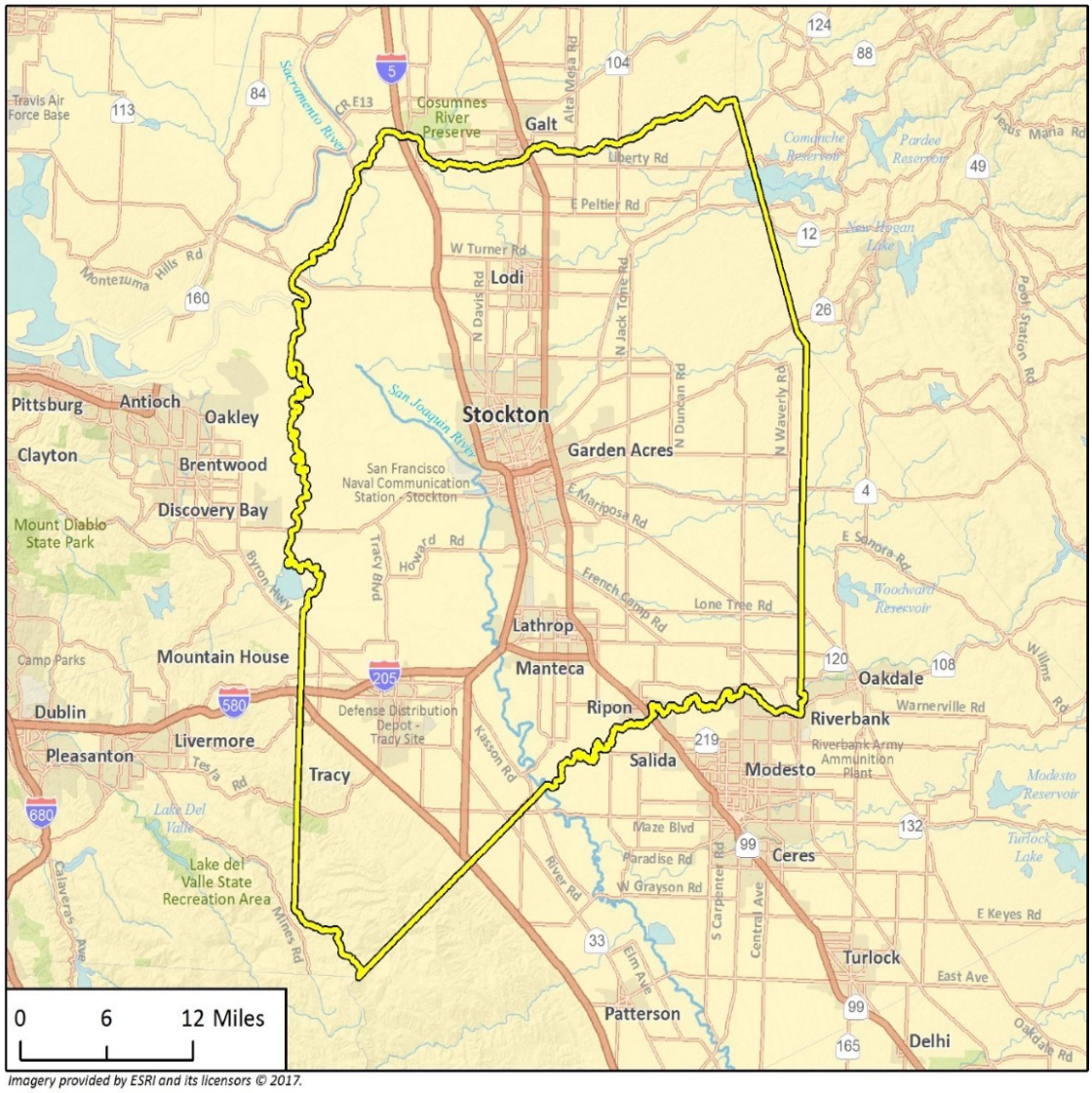
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May 6th, 2025

Wuksachi Indian Tribe/Eshom Valley Band
Kenneth Woodrow, Chairperson
1179 Rock Haven Ct.
Salinas, CA 93906
Via Email: kwood8934@aol.com

Subject: AB 52 Consultation Invitation, 2026 Regional Transportation Plan/Sustainable Communities Strategy Project, San Joaquin County, California

Dear Chairperson Woodrow:

The San Joaquin Council of Governments (SJCOG) is preparing an Environmental Impact Report for the 2026 Regional Transportation Plan/Sustainable Communities Strategy Project (RTP/SCS). The project consists of identifying transportation infrastructure and policies needed to support the region's growth, enhance mobility, and reduce congestion. The plan will integrate land use with transportation planning, encouraging compact development and promoting alternative transportation modes, with the goal of demonstrating how greenhouse gas (GHG) reduction targets will be met through integrated planning.

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The input of the Wuksachi Indian Tribe/Eshom Valley Band is important to the SJCOG's planning process. Under AB 52, you have 30 days from receipt of this letter to respond in writing if you wish to consult on the proposed project. If you require any additional information or have any questions, please contact me at 209-400-6462 or rtp@sjcog.org. Thank you for your assistance.

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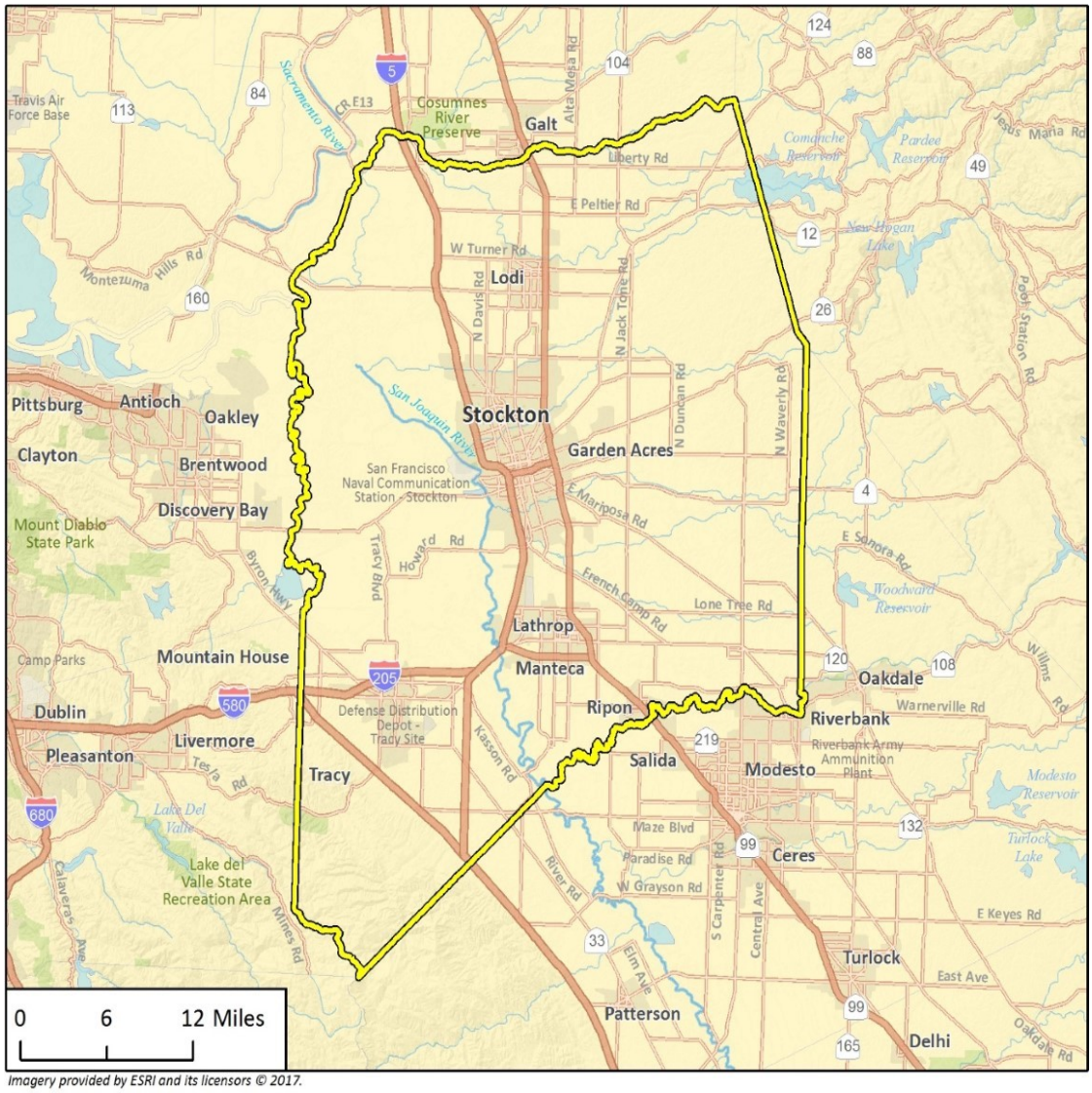
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