

and Nexus Study

City of Fresno

Kick-Off Workshop December 9th, 2021

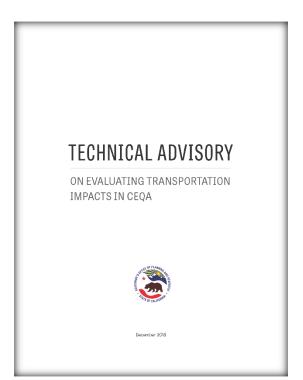


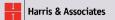




Background – Senate Bill (SB) 743

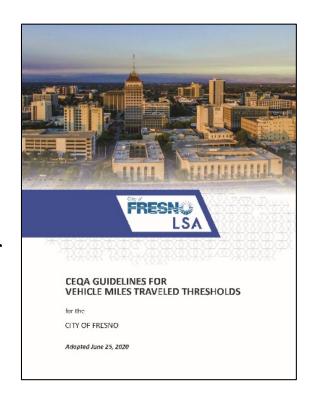
- Passed in 2013
- CEQA Transportation Impact Metric
 - Vehicle Miles Traveled (VMT)
 - Replacing delay and Levels of Service (LOS)
- In effect July 1, 2020
- Better promote statewide policies
 - Reduce GHG Emissions;
 - Encourage infill development and diversity;
 - Promote multi-modal transportation networks; and
 - Promote transportation safety.





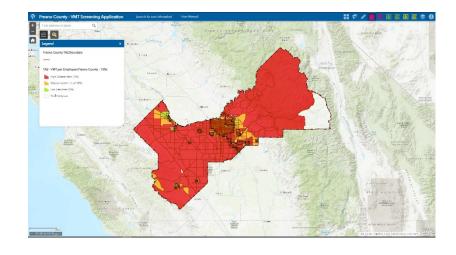
Senate Bill (SB) 743

- Projects subject to SB 743
 - Development Projects
 - Redevelopment/Infill Projects
 - Transportation Projects
 - Land Use Plans (General Plans/Specific Plans)



City of Fresno – Available VMT Analysis Tools

- City's VMT Analysis Guidelines, adopted June, 2020
 - Screening criteria
 - Evaluation Methodologies
- Screening Tool



City of Fresno – Available VMT Analysis Tools

- VMT Calculator Tool
- Fresno COG Activity Based Model (ABM)

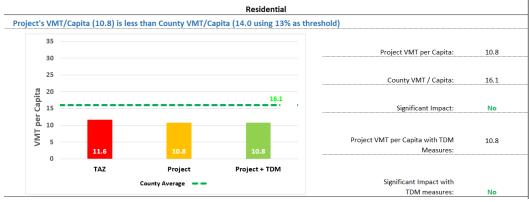




City of Fresno – Project Evaluation

Evaluation methods

- Screening criteria
- VMT methodology
- Mitigations (if required)

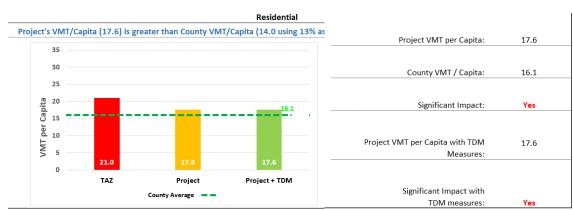


Dependent on Project Type

- Applicable Metric
- VMT Thresholds
- Impact when project VMT > threshold

City of Fresno – Project Evaluation (Example LU project)

- Land Development Project
 - Single family 200 dwelling units
 - Location: S Armstrong Ave and E Church Ave
- **Analysis Tool VMT Calculator Tool**
- Significant Impact Yes
- **Identify Mitigation** Measures



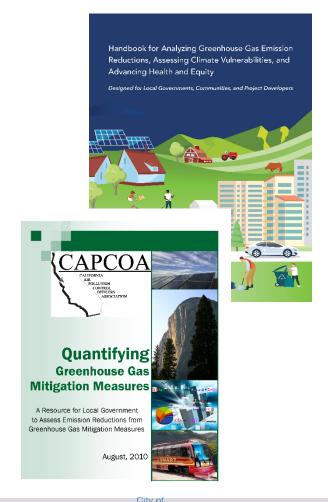


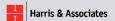
City of Fresno Approach to VMT Mitigation

- Site Specific Improvements (Urban Design Calculator)
 - Design features e.g., intersection density
 - Land use mixes, densities
- Off-site Improvements (Fee Program)
 - Active transportation improvements
 - Transit improvements
 - Other improvements such as ITS, TDM measures, safety, and broadband infrastructure

VMT Mitigations - Challenges

- Current data sources
 - California Air Pollution Control Officers Association (CAPCOA) Manual
 - California Air Resources Board (CARB) Research publications
- Inadequate local context in CAPCOA
- Additional local data/analysis required as substantial evidence to determine efficacy of mitigation measures





VMT Mitigation Program - Task Overview

- VMT Mitigation Program
- Urban Design Calculator
- Nexus Study
- Stakeholder Outreach
- Planning Commission and City Council Meetings

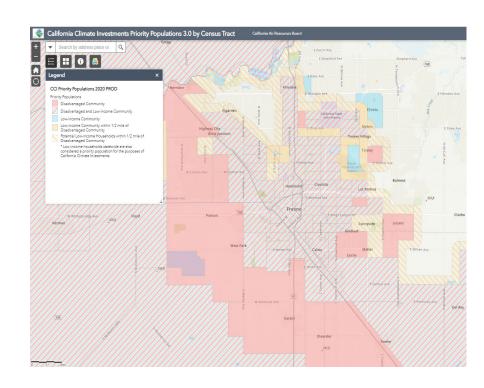


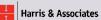
VMT Mitigation Program

- Identification of Applicable Mitigation Measures
- Quantification of Mitigation Measures
- Cost Estimates for the Mitigation Measures
- Prioritization of Mitigation Measures
- VMT Mitigation Program Report

Deliverables:

- Prioritized list of selected mitigation measures and documentation of prioritization methodology
- VMT Mitigation Program Report





VMT Mitigation Program – Example Applicable

Mitigation Measures



Trails



Bike Facilities

Sharrows





Site Specific Improvements – Urban Design Calculator

- Review and Update of the Urban Design Calculator
- Review the associated VMT reductions
- Update with local data if available
- Upgrade calculator based on additional data and VMT reduction measures
- Possible recommendation about continuing data collections and periodic updates

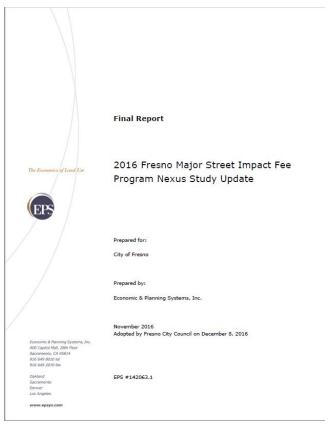
City of Fresno **URBAN FORM VMT CALCULATOR Basic Information** Project Name: Orenco Station Applicant/Developer: **PacTrust** Major Cross Streets: Ashlan/Hayes Project Address: 5945 W Ashlan Ave 51104012 Gross Project Site Area: acres Baseline VMT from COG Calculator: 17.52 per capita (http://gis.lsa-assoc.com/FCOGVMT/) Calculation Run By: Date of Calculation: 9/10/2020

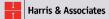
Deliverables:

Updated Urban Design Calculator

Off-Site Improvements – Fee Program

- Identify Mitigation Measures
- Develop Cost Estimates
- Prioritize Mitigation Measures
- Prepare Nexus Study

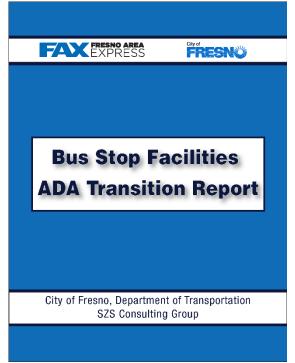




VMT Mitigation Program – Cost Estimates for Mitigation Measures

Cost estimates being provided by City/FAX





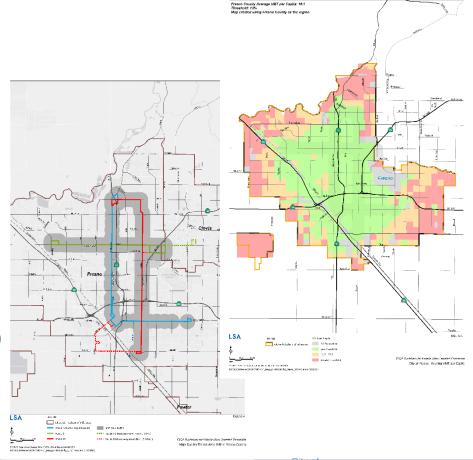




VMT Mitigation Program – Mitigation Location and

Prioritization

- Greatest cost benefit ratio
- Dense/urban areas
- **Existing Low VMT locations**
- High activity areas for biggest benefits
- Fill-in existing gaps (active transportation improvements)

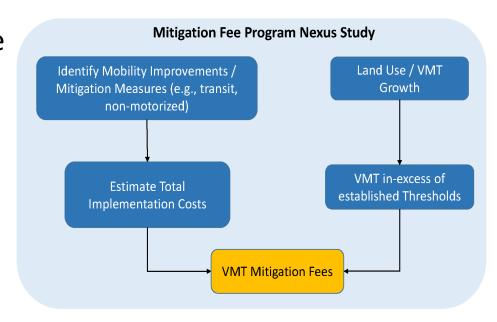


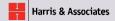
Nexus Study

- Development of Nexus for the Mitigation Measures
- Development of VMT Mitigation Fees
- Nexus Study Report

Deliverables:

- Development of mitigation fees based on the Nexus and costs for identified mitigation measures
- Nexus Study Report





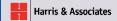
Stakeholder Outreach

- Project Branding
- Stakeholder Engagement



Deliverables:

- Project Branding (Program name and logo)
- Two Stakeholder Meetings/Workshops



Next Steps

Ongoing Coordination

- Kick-Off Meeting (completed)
- Bi-weekly Technical Advisory Committee Meetings (on-going)
- Second Stakeholder Workshop

Planning Commission & City Council

- One workshop with Planning Commission and City Council
- Public Hearings One Planning Commission and One City Council Meeting

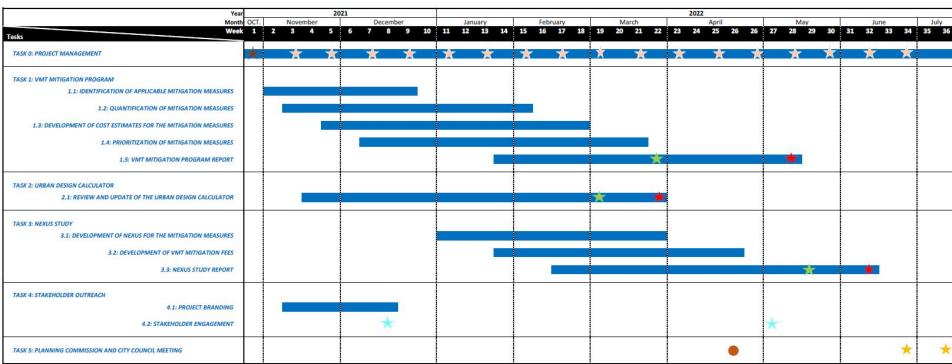








Project Schedule



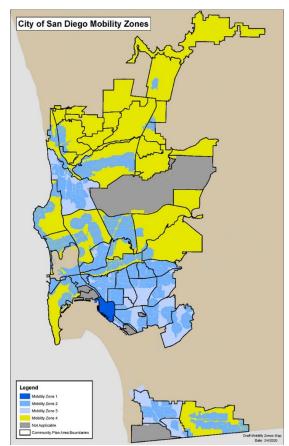






VMT Mitigation Fee Program Projects

- Contra Costa Transportation Authority (CCTA)
 - Vehicle Miles Traveled (VMT) Mitigation
 Program
- City of San Diego
 - Mobility Choices Active Transportation In Lieu
 Fee Nexus Study



Questions



