SB743 Implementation
Presentation Goal

Our focus tonight will be on the decisions that the City must make in June to set local CEQA VMT baseline thresholds and project screening criteria.
Proposed Approach to SB 743 Implementation

• Adopt State OPR Guidance as \textit{initial VMT framework} for City’s CEQA documents starting July 1, 2020
• Consider updating initial CEQA VMT thresholds to better align with S/CAP reduction goals in 2021
• Retain Level of Service (LOS) per Comp Plan Policy T-2.3.

September 2013 – Governor Signed SB 743
December 2018 – OPR Finalized State CEQA Guidelines
December 2018 – Natural Resources Agency Updated CEQA Guidelines
Agencies have until \textbf{July 1, 2020} to implement VMT thresholds
SB743 Legislative Intent and Lead Agency’s Decisions

**Legislative Intent**
Reform the process of the California Environmental Quality Act (CEQA) to use new methodologies for evaluating transportation impacts that are better able to promote the state’s goals of reducing greenhouse gas emissions and traffic-related air pollution – vehicle miles traveled

**Lead Agency’s Decisions**
To develop thresholds of significance that the agency uses in the determination of the significance of environmental effects.
OPR Technical Advisory – Thresholds

- VMT Screening Criteria
- VMT Thresholds for Quantitative Assessments
VMT Threshold Options

• Rely on OPR Technical Advisory for initial thresholds
• Use a threshold adopted or recommended by another public agency (CARB)
• Set jurisdiction-specific threshold consistent with Comprehensive Plan and S/CAP
OPR Technical Advisory – Screening

- Small Project (<10,000 square feet)
- Residential and office projects in Low VMT Zones (map based)
- Low VMT projects within ½ mile of major transit station or bus stop on a high-quality transit corridor
- Affordable housing
- Local-serving retail of a certain size
- Transit, bicycle and pedestrian infrastructure projects
What types of projects need a VMT threshold?

- **Land Use Projects**, including development projects for a variety of land uses
- **Land Use Plans**, including Comprehensive Plan updates and Specific Plans, Area Plans, or Precise Plans
- **Transportation Projects**, including lane additions, capacity-increasing infrastructure changes, etc.
OPR VMT Thresholds for 3 Land Use Types

- Residential
- Office
- Retail
# Existing VMT Baseline Options

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<tr>
<th>2015 Baseline VMT</th>
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OPR VMT Threshold – Residential Projects

- **Metric** – VMT per capita (light duty only)

- **OPR Threshold/City Likely**
  
  **Recommendation** – Project VMT per capita must be 15% less than existing regional average VMT per resident

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OPR VMT Threshold – Office Projects

- **Metric** – VMT per employee (light duty only)

- **OPR Threshold/City Likely Recommendation** – Project VMT per capita must be 15% less than existing regional average VMT per employee

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OPR VMT Threshold – Retail Projects

- **Metric** – Total VMT
- **OPR Threshold/City Likely**
  
  **Recommendation** – No Net increase in VMT

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Land Use Project – Case Study A

**PROJECT TYPE** Redevelopment/reuse  **LAND USE** Strip Commercial Replaced With Multifamily Res.

**Scenario A**
- If 100% affordable housing or project located **within** a low-VMT area, project meets screening criteria
- Project presumed to have less-than-significant VMT impact, no mitigation required

**Scenario B**
- If located **outside** low-VMT area, project conducts quantitative VMT analysis
- Many multifamily projects will likely have less-than-significant impacts after quantitative VMT analysis is conducted
- If significant impact occurs, achievable VMT mitigation required resulting in less-than-significant impact in most cases
## Land Use Project – Case Study B

<table>
<thead>
<tr>
<th>PROJECT TYPE</th>
<th>Redevelopment/reuse</th>
<th>LAND USE</th>
<th>Intensification of Office Uses</th>
</tr>
</thead>
</table>

### Scenario A
- Within ½ mile of high-quality transit corridor or Caltrain station
- Project is dense (FAR > .75), has reduced parking
- Consistent with Comp Plan/Plan Bay Area, cumulative VMT is trending downward

### Scenario B
- If not in transit priority area, project conducts quantitative VMT analysis

### Outcome
- Project presumed to have less-than-significant VMT impact, no VMT mitigation required
- Significant VMT impact likely. If impact occurs, VMT mitigation required which may or may not reduce to less-than-significant...
Next Steps

June 2020 – Council Action:

• VMT Resolution
• LOS Policy

Subsequent Actions:

• TDM Ordinance Update
• VMT Updates for S/CAP Consistency
Council Questions
Thank you!
Bob Grandy
Principal
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(415) 348-0300
EXTRA SLIDES
VMT Forecast - California Air Resources Board (CARB)

Figure 1: California Total Projected Population Growth and VMT Growth

VMT Reduction Level Needed – CARB

Figure 2: California Total Daily VMT Per Capita

Senate Bill 743

- **Legislation**: Sets intent and goals
- **CEQA Statute**: Sets legal requirements for adequate environmental analysis
- **Technical Advisory**: Offers advice for compliance
<table>
<thead>
<tr>
<th>What does SB743 do and not do?</th>
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<tr>
<td><strong>Does</strong></td>
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<tr>
<td>• Eliminates vehicle delay (i.e. LOS) as basis for determining significant CEQA impacts</td>
</tr>
<tr>
<td>• Recommends VMT as the most appropriate measure of transportation impacts</td>
</tr>
<tr>
<td>• Other considerations: transit and non-motorized travel</td>
</tr>
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CEQA Transition – LOS to VMT

**LOS**

measures the impact to drivers

**VMT**

Measures impact of driving on the environment
Section 15064.3(b)(4): Determining the Significance of Transportation Impacts

• A lead agency has discretion to choose the most appropriate methodology to evaluate a project’s VMT, including whether to express the change in absolute terms, per capita, per household or any other measure.

• A lead agency may use models to estimate a project’s VMT and may revise those estimates to reflect professional judgment based on substantial evidence.

• Any assumptions used to estimate VMT and any revisions to model outputs should be documented and explained in the environmental document.
Section 15064.7: Thresholds of Significance

• A threshold of significance is an identifiable quantitative, qualitative, or performance level of a particular environmental effect, non-compliance with which means the effect will normally be determined to be significant...

• Each public agency is encouraged to develop and publish thresholds of significance that the agency uses in the determination of the significance of environmental effects.

• Thresholds of significance to be adopted for general use ... must be adopted by ordinance, resolution, rule, or regulation, and developed through a public review process and supported by substantial evidence.
CEQA Guidelines Excerpt

Section 15064.7: Thresholds of Significance (cont.)

• *Lead agencies may also use thresholds on a case-by-case basis.*

• *When adopting or using thresholds of significance, a lead agency may consider thresholds of significance previously adopted or recommended by other public agencies or recommended by experts, provided the decision...is supported by substantial evidence.*
What is VMT and how is it measured?

- Vehicle Miles Traveled (VMT) is a measure of network use
- VMT = Trips x Trip Length
- Generally expressed as VMT per capita for a typical weekday
VMT Metric – Total or Partial?

**TOTAL VMT**
- Household Generated VMT

**PARTIAL VMT**
- Residential
  - Home-Based Generated VMT
- Office
  - Home-Based Work Generated VMT

Numbers:
- Residential: 29
- Office: 16
- Home-Based Work: 11
Can Palo Alto still use Level of Service (LOS)?

- LOS *cannot* be used in CEQA to determine if a project will have a significant impact on the environment.

- Palo Alto may continue to have a LOS policy. Given the conflicting nature of LOS and VMT policy outcomes, the City may wish to indicate whether and in what situations VMT policies take priority over LOS policies.

- Palo Alto may use LOS as a metric in future area or corridor planning efforts as well as updates to the transportation development fee program.

- Palo Alto may use LOS to require traffic improvements as a “condition of approval” in the entitlement process.
Decisions: Establishing VMT Threshold(s)

Define Significance Criteria (Defines Impacts Under CEQA)

- OPR Technical Advisory or Other?
- What is acceptable vs. unacceptable VMT when viewed solely through a transportation lens by lead agency?

Define Methodology

- Consistent for Thresholds and Project Assessment
- How VMT reduction is addressed in air quality, energy, and GHG impact analysis
- Identify Mitigation Potential
Project VMT vs Cumulative Impacts

Project Generated VMT vs.
Effect on Regional or City VMT (Cumulative)
## VMT Consistency?

<table>
<thead>
<tr>
<th>Vehicle Trip Type</th>
<th>VMT Required in Analysis</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>AQ</td>
<td>GHG</td>
</tr>
<tr>
<td><strong>Residential Project</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Home-based work</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Home-based other</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Non-home-based</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>Office Project</strong></td>
<td></td>
<td></td>
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<tr>
<td>Home-based work</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Visitor</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Delivery</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Maintenance/Security</td>
<td>✓</td>
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VMT Metric – Network vs. OD

Boundary VMT-708,700  Origin-Destination (OD) VMT-2,212,800
Level of Service (LOS)

LOS = Current measure used to analyze traffic flow

LOS A Example

LOS F Example
Senate Bill 743 Implementation Experience