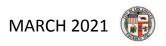
# MODERNIZING LOS ANGELES' APPROACH TO TRANSPORTATION ANALYSIS

Institute of Transportation Engineers (ITE): Mitigation Measures for VMT Impacts March 17, 2021







## VMT is Aligned with Local Goals





Reduction in GHGs



Multimodal mobility networks



Diversity of land uses



Mobility Plan 2035 and LA's Green New Deal goals

## **New Metric: Vehicle Miles Traveled (VMT)**

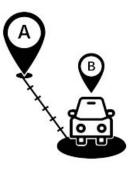


Number of automobile trips







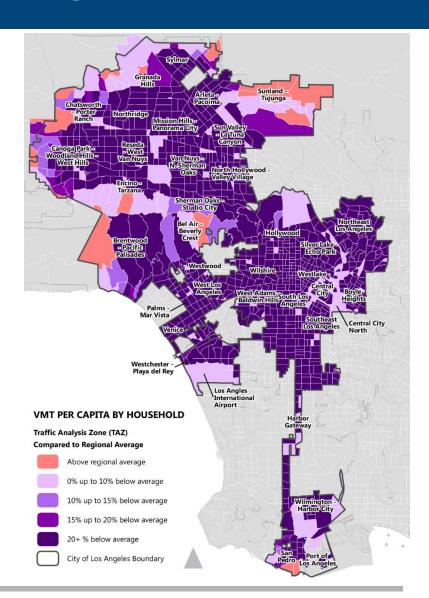


Vehicles Miles Traveled

## Los Angeles' Approach: Establishing a Threshold

Developed local VMT threshold that is lower than the region's which ensures more projects comply with CEQA

Geography	VMT per capita	VMT per employee
SCAG	17.2	21.3
City of LA	9.3	12.9

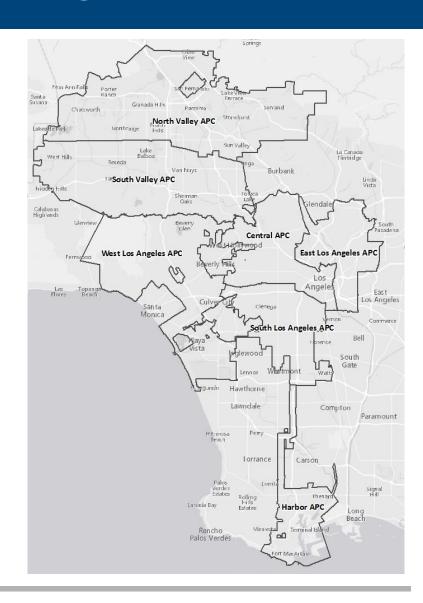




## Los Angeles' Approach: Establishing a Threshold

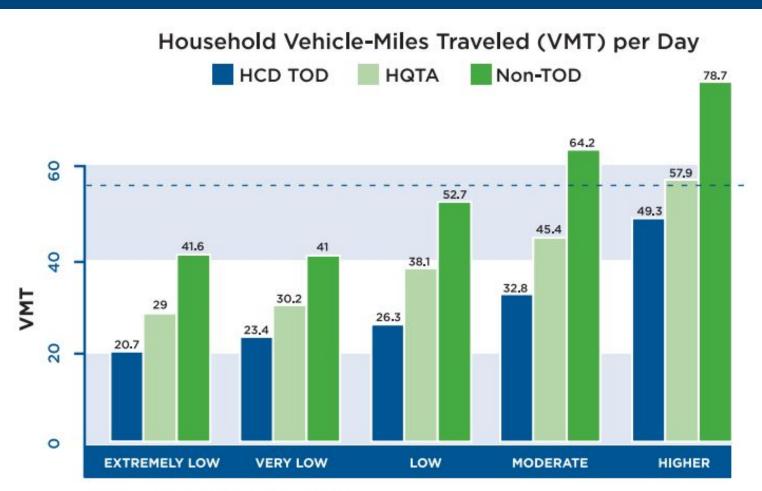
Developed local VMT threshold that is context sensitive

Area Planning Commission	VMT per capita	VMT per employee
Central	6.0	7.6
East LA	7.2	12.7
Harbor	9.2	12.3
North Valley	9.2	15.0
South LA	6.0	11.6
South Valley	9.4	11.6
West LA	7.4	11.1





### **Affordable Housing Sites Generate Lower VMT**

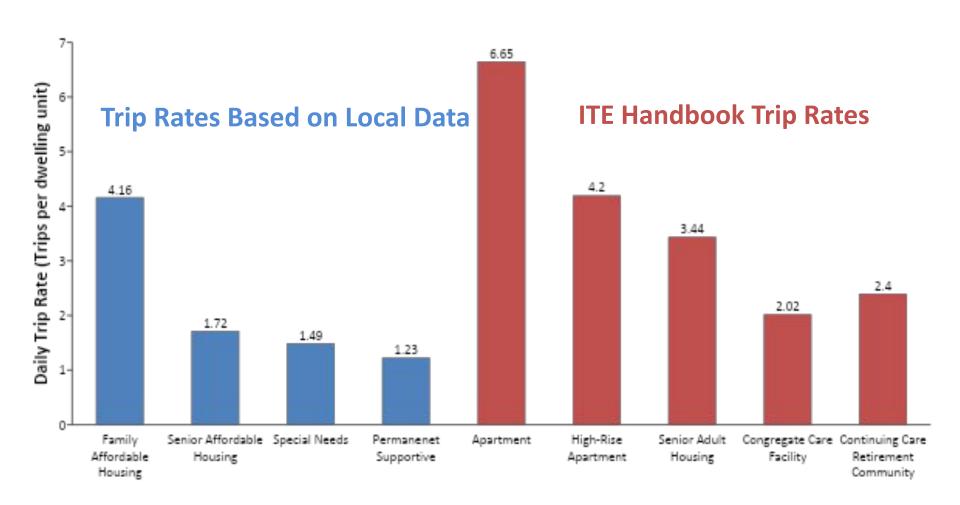


**HUD Income Threshold** 

Source: 2013 California Household Travel Survey (CHTS)



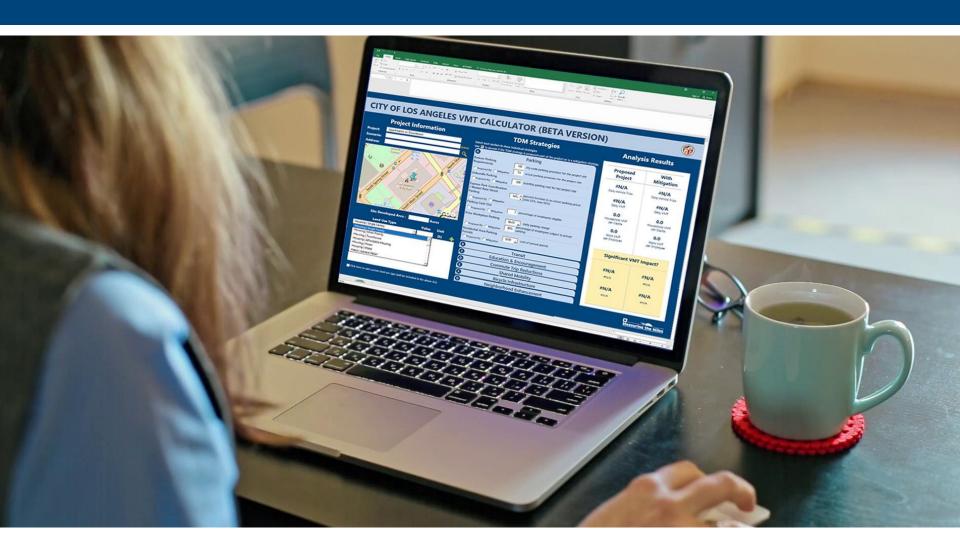
### **Affordable Housing Trip Generation Rates in LA**





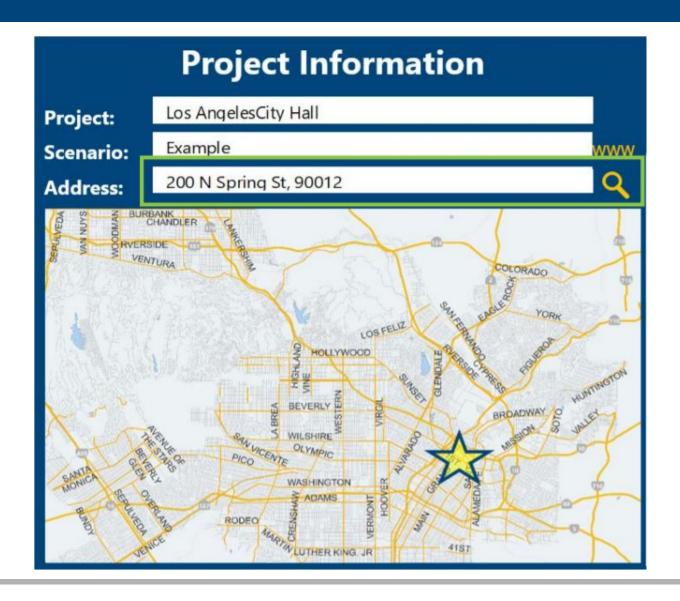
**Updated City Travel Demand Forecasting** Model based on 2016 SCAG Model Update

## Los Angeles' Approach: VMT Calculator



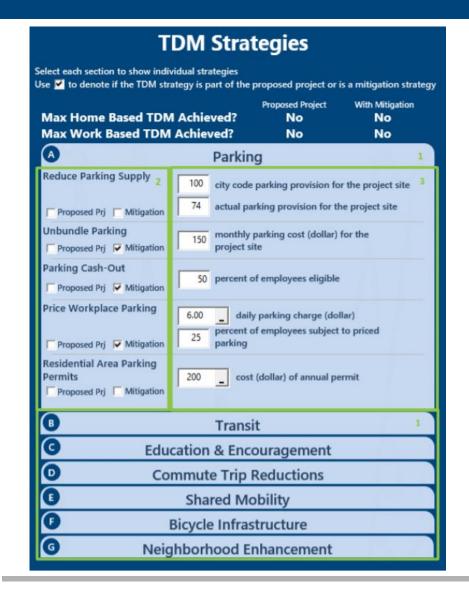


## Los Angeles' Approach: VMT Calculator





## Los Angeles' Approach: VMT Calculator







## Los Angeles' Approach: TDM Mitigation Measures

## Parking Management

- Reduce Parking Supply
- Unbundle Parking
- Parking Cash-Out
- Price Workplace Parking
- Residential Area Parking Permits

## Transit Incentives

- Reduce transit headways
- Implement Neighborhood Shuttle
- Transit
   Subsidies

## Education & Marketing

- Voluntary
   Travel Behavior
   Change
   Program
- Promotions & Marketing

## **Commute Trip Reductions**

- Required
  Commute Trip
  Reduction
  Program
- Vanpool or Shuttle
- Rideshare Program

## Shared Mobility

- Car share
- Bike share
- Schoolpool

## Bicycle Infrastructure

- Improve Bicycle Facility
- Bike Parking
- Bike Parking and Showers

#### Neighborhood Enhancement

- Traffic Calming Improvements
- Pedestrian Improvements



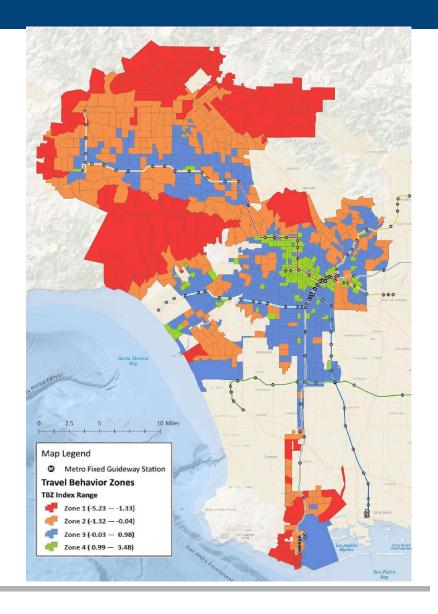
## Los Angeles's Approach Travel Behavior Zones

#### **Quantifying TDM**

- Classified the City in four Travel Behavior Zones (TBZ) informed by four factors that inform travel in the built environment.
- Aligned with Place Types from CAPCOA's Quantifying GHG Mitigation Measures Report

#### **Travel Behavior Zones**







## **Next Steps for Los Angeles**

#### 1. VMT Research

- Parking
- Infrastructure
- Mobility Services

#### 2. VMT-Based Fee Programs

- VMT Exchange/Bank
- Transportation Specific Plans
- 3. City of LA TDM Program Update



### **Questions?**



**Rubina Ghazarian**Supervising Transportation Planner II
LADOT Transportation Planning & Policy

Email: rubina.ghazarian@lacity.org

#### **Project Website:**

ladot.lacity.org/businesses/development-review# new-requirements-for-sustainable-developments



