Modernize Transportation Review
AEP Conference May 19, 2017

Photo: Sergio Ruiz
Approach

Existing Strategies/Investments
- Transit Capital and Operations
- Safer Streets – People Walking and Bicycling
- Demand Management
- Long-range planning

New Development Strategies/Investments
- Transportation Sustainability Program
TRANSPORTATION SUSTAINABILITY PROGRAM

Keeping people moving as our city grows

align
MODERNIZE ENVIRONMENTAL REVIEW

More meaningful transportation analysis that better captures environmental effects

shift
ENCOURAGE SUSTAINABLE TRAVEL

On-site transportation amenities that reduce reliance on driving

invest
ENHANCE TRANSPORTATION TO SUPPORT GROWTH

Development fee to help fund transit and safer streets
Funding Needs

$10 BILLION TRANSPORTATION FUNDING NEED TO 2030

$3.7 BILLION IN EXISTING FUNDING

$3 BILLION IN TTF FUNDING

$3.3 BILLION UNFUNDED

TTF = Transportation Task Force
Transportation Sustainability Program

Investment Priorities

- **Maintain the Core** – 54%
- **Enhance System Efficiency** – 32%
- **Expand Capacity** – 14%
Adopted Fee

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Rates per square foot (sf)</th>
<th>Prior</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Residential</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>21 - 99 Units</td>
<td>N/A</td>
<td></td>
<td>$8</td>
</tr>
<tr>
<td>100 Units and up</td>
<td></td>
<td></td>
<td>$9</td>
</tr>
<tr>
<td><strong>Non-Residential</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>800 to 99,999 sf</td>
<td>$14</td>
<td></td>
<td>$18</td>
</tr>
<tr>
<td>100,000 sf and up</td>
<td></td>
<td></td>
<td>$19</td>
</tr>
<tr>
<td><strong>Production, Distribution, and Repair (aka Industrial)</strong></td>
<td>$7.50</td>
<td></td>
<td>$7.50</td>
</tr>
</tbody>
</table>

All rates are rounded to nearest $0.50
Revenue
Projected $210 million in NEW transportation funding over 15 years (total of $570 million combined existing and new impact fee)

Expenditures
Faster and more reliable local transit – 61%
More local buses and trains – 32%
Safer walking and bicycling – 3%
Roomier and faster regional transit (e.g. BART, Caltrain) – 2%
Impact?
Prior Transportation Analysis

Sub-Topics*

Automobile Delay (Level of Service) and Traffic Hazards

Walking

Bicycling

Riding Transit

Loading (freight and passenger)

Emergency Vehicle Access

Construction

*Each Sub-Topic Evaluates

Site Circulation and Access

Cumulative
Definition

VEHICLE MILES TRAVELED (VMT)

HIGH VMT

HOW DO YOU TRAVEL?

HOW FAR DO YOU TRAVEL?

WHO DO YOU TRAVEL WITH?

AIR POLLUTION, GREENHOUSE GASES, ENERGY

MORE SPACE

LESS SPACE

30 MILES

4 MILES

30 MILES
Transportation Projects

Impact = Substantially Induce Additional Automobile Travel

Example: Expansion or Creation of New Highways

Presumed Less than Significant = Sustainable Travel

Examples: Safety Changes for People Walking & Bicycling, Transit Lanes

Source: Streetsblog
Land Use Projects

Daily Household VMT Per Capita

- 2 to 7
- 7 to 11
- 11 to 15
- 15 to 19
- 19 to 70

Daily Regional Average = 17
15% below = 15

Source: SF-CHAMP
Land Use Projects

San Francisco Example

Mission Street, Mission
99 Walk Score

Bay Area Example

Downtown Berkeley
98 Walk Score

Daily Household VMT Per Capita

Source: Google Street View
Walkscore.com

2 to 7
Land Use Projects

Daily Household VMT Per Capita

- 2 to 7
- 7 to 11
- 11 to 15
- 15 to 19
- 19 to 70

Daily Regional Average = 17
15% below = 15

Source: SF-CHAMP
Land Use Projects

San Francisco Example

Clement Street, Inner Richmond
98 Walk Score

Bay Area Example

Downtown Redwood City
90 Walk Score

Daily Household VMT Per Capita

7 to 11

Source: Google Street View Walkscore.com
**Land Use Projects**

**Daily Household VMT Per Capita**
- 2 to 7
- 7 to 11
- 11 to 15
- 15 to 19
- 19 to 70

**Daily Regional Average = 17**

15% below = 15

Source: SF-CHAMP
Land Use Projects

San Francisco Example

Taraval Street, Outer Sunset
88 Walk Score

Bay Area Example

Downtown San Rafael
93 Walk Score

Daily Household VMT Per Capita

11 to 15

Source: Google Street View Walkscore.com
Residential Projects
Screening Exceedance

Daily Household VMT Per Capita

- 17.5
- 17.6 to 18.7
- 18.8 to 19.5
- 19.6 to 19.7
- 19.8 to 20.4

Daily Regional Average = 17

15% below = 15

Source: SF-CHAMP; access VMT data at http://www.sf-transportation.com/
Office Projects
Screening Exceedance

Daily Household VMT Per Employee

- 16.2 to 16.6
- 16.7 to 18.5
- 18.6 to 20.9
- 21.0 to 24.0
- 24.1 to 28.1

Daily Regional Average = 19
15% below = 16

Source: SF-CHAMP; access VMT data at http://www.sfhpo.org/transportation/
Retail Projects
Screening Exceedance

Daily Household VMT Per Employee

- 12.7 to 12.8
- 12.9
- 13.0 to 13.1
- 13.2 to 13.9
- 14.0 to 14.5

Daily Regional Average = 15

15% below = <13

Source: SF-CHAMP; access VMT data at http://www.sfbayareaalignment.com/
Land Use Projects Summary

Goodbye Vehicular LOS…Hello VMT!

Impact = Transportation Demand Management mitigation
Fundamentals

High Parking  =  Lots of Driving

Low Parking  =  Less Driving
Overview

Points Target
Based on amount of parking provided; aimed at reducing Vehicle Miles Traveled (VMT)

Menu of Options
Property owner chooses the best fit for each project to reach targets

Implementation Strategy
Measure and enforce progress to ensure targets are achieved
Menu

26 Measures, 66 Options:
Under the control of the developer or tenant
All reduce vehicle miles traveled (VMT)

Range of Effectiveness: Example Options

Low: 1 point  Medium: 3 points  High: 10+ points

Showers and Lockers  Family TDM Amenities
Additional Bicycle Parking  Public Transit Subsidy
Reduced Parking Supply
Online Tool sftdmtool.org
Transportation Sustainability Program

*Keeping people moving as our City grows*

- **invest**
  - Enhance Transportation to Support Growth
  - November 2015

- **align**
  - Modernize Transportation Review
  - March 2016

- **shift**
  - Encourage Sustainable Travel
  - February 2017
Lessons Learned

Understand your Tools

Steal from others! Use everything out there

Work across agencies

Make it understandable

Give something back

Move forward