



# 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

shift

invest

**MODERNIZE  
ENVIRONMENTAL REVIEW**

**ENCOURAGE  
SUSTAINABLE TRAVEL**

**ENHANCE TRANSPORTATION  
TO SUPPORT GROWTH**



*More meaningful  
transportation analysis that  
better captures  
environmental effects*

*On-site transportation  
amenities that reduce  
reliance on driving*

*Development fee  
to help fund transit  
and safer streets*

# Funding Needs



**\$10 BILLION** TRANSPORTATION FUNDING NEED TO 2030

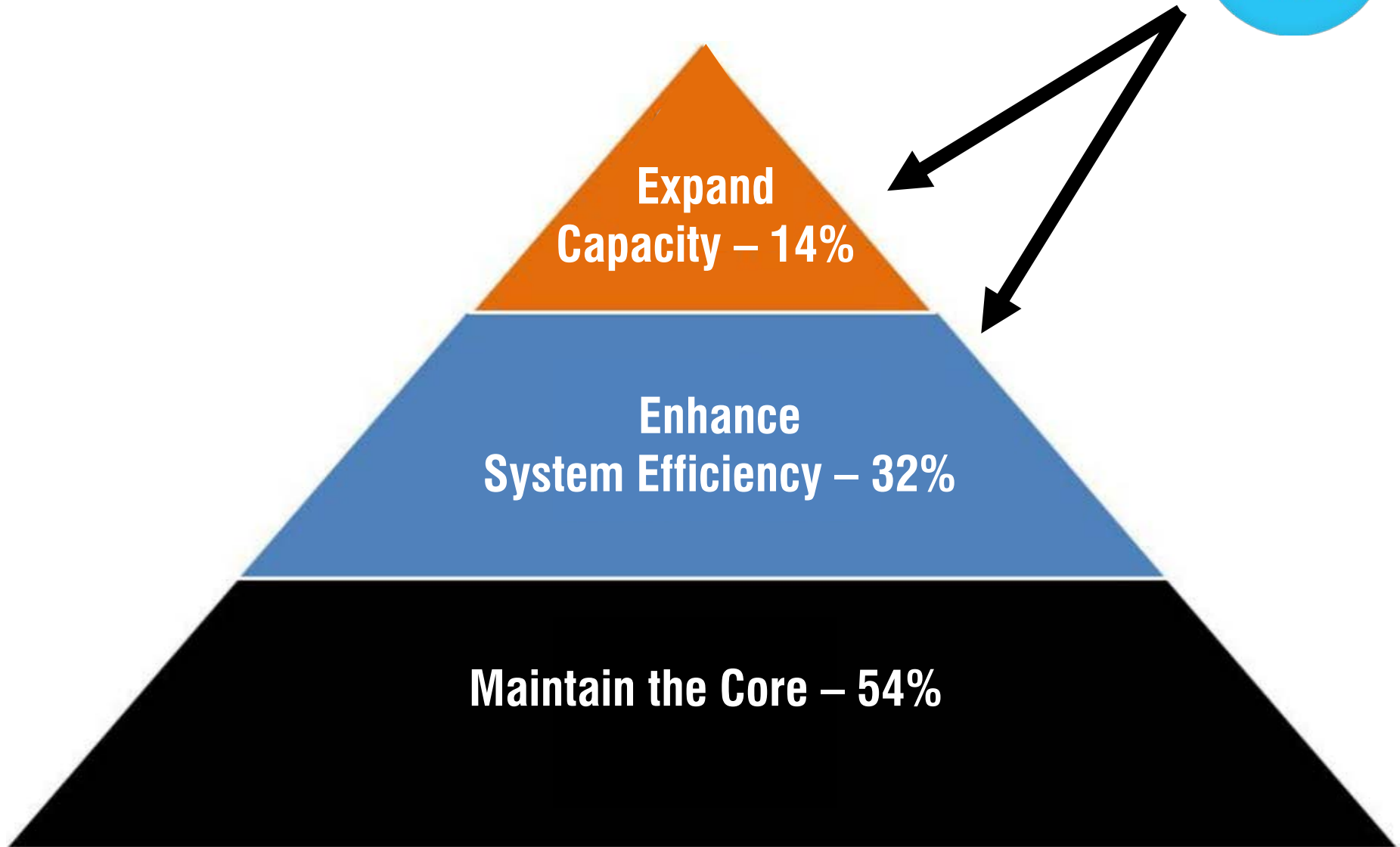
**\$3.7 BILLION** IN  
EXISTING FUNDING

**\$3 BILLION** IN TTF FUNDING

**\$3.3 BILLION**  
UNFUNDED

TTF = Transportation Task Force

# Investment Priorities



# Adopted Fee



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

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

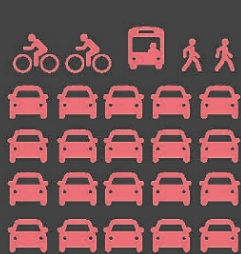


# Definition



## VEHICLE MILES TRAVELED (VMT)

HIGH  
VMT

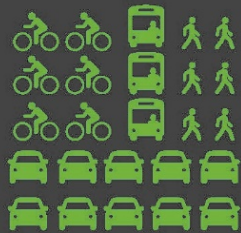


30 MILES



MORE  
SPACE

LOW  
VMT



4 MILES



LESS  
SPACE

HOW DO  
YOU  
TRAVEL?

HOW FAR  
DO YOU  
TRAVEL?

WHO DO  
YOU TRAVEL  
WITH?

AIR POLLUTION,  
GREENHOUSE  
GASES, ENERGY

# Transportation Projects



**Impact = Substantially Induce  
Additional Automobile Travel**

Example: Expansion or Creation of New  
Highways



Source: [Streetsblog](http://Streetsblog)

**Presumed Less than Significant  
= Sustainable Travel**

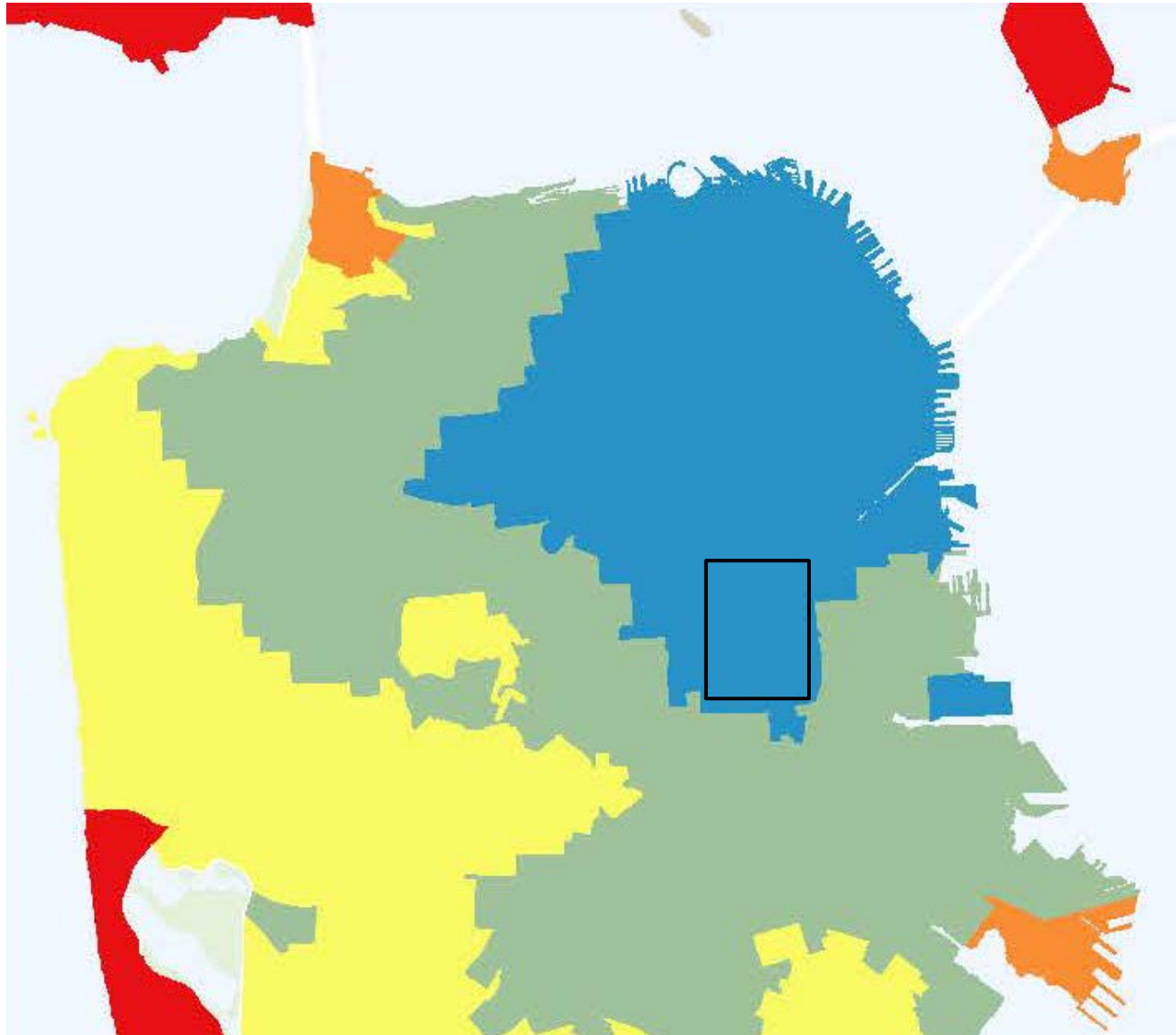
Examples: Safety Changes for People  
Walking & Bicycling, Transit Lanes



Transportation Sustainability Program



# Land Use Projects



## Daily Household VMT Per Capita



**Daily Regional Average = 17**

**15% below = 15**

# 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



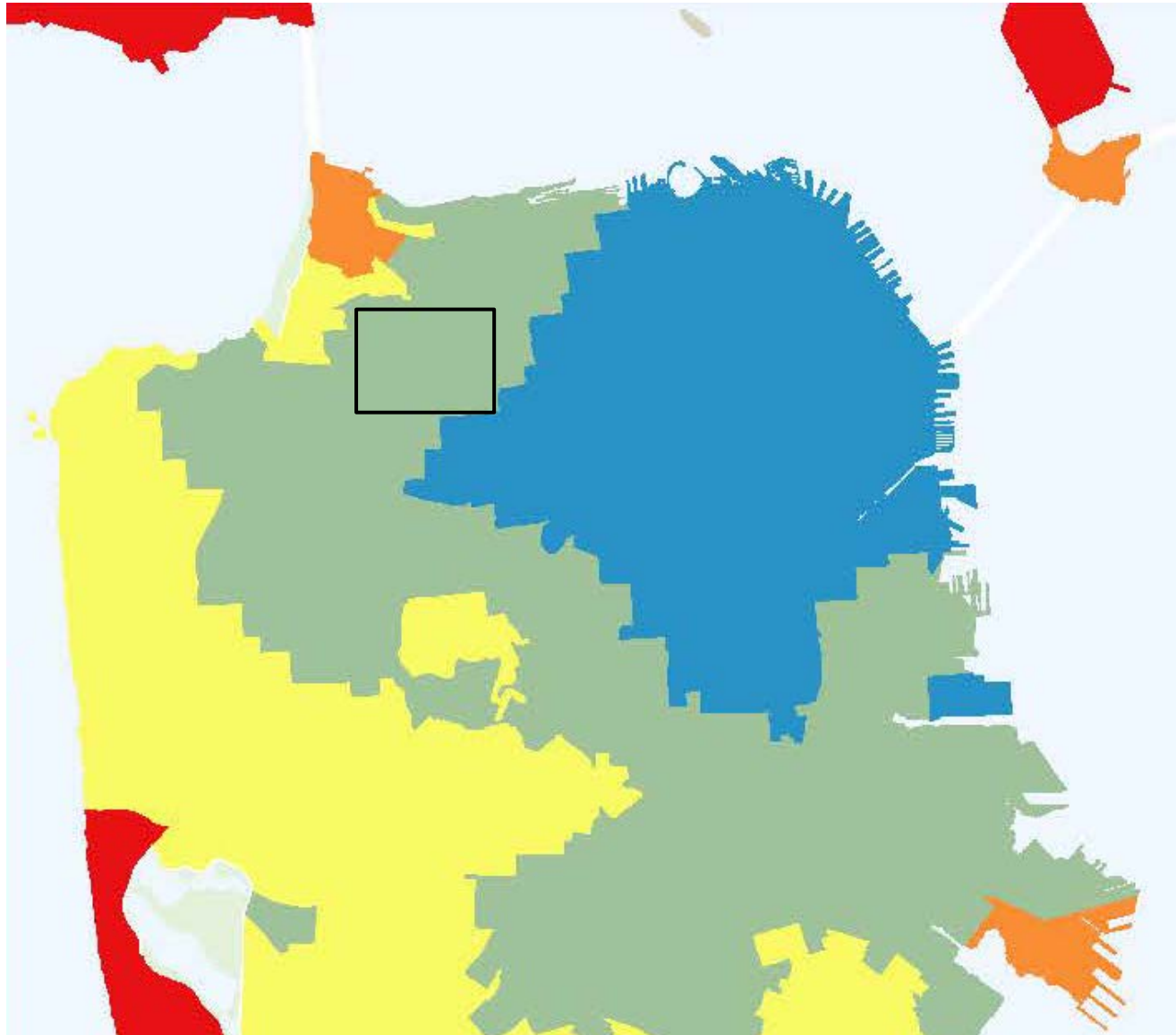
2 to 7

Source: Google Street View  
Walkscore.com

Transportation Sustainability Program



# Land Use Projects



## Daily Household VMT Per Capita



**Daily Regional Average = 17**

**15% below = 15**

# Land Use Projects



## San Francisco Example

## Bay Area Example

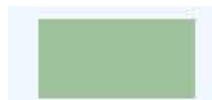


Clement Street, Inner Richmond  
98 Walk Score



Downtown Redwood City  
90 Walk Score

## Daily Household VMT Per Capita

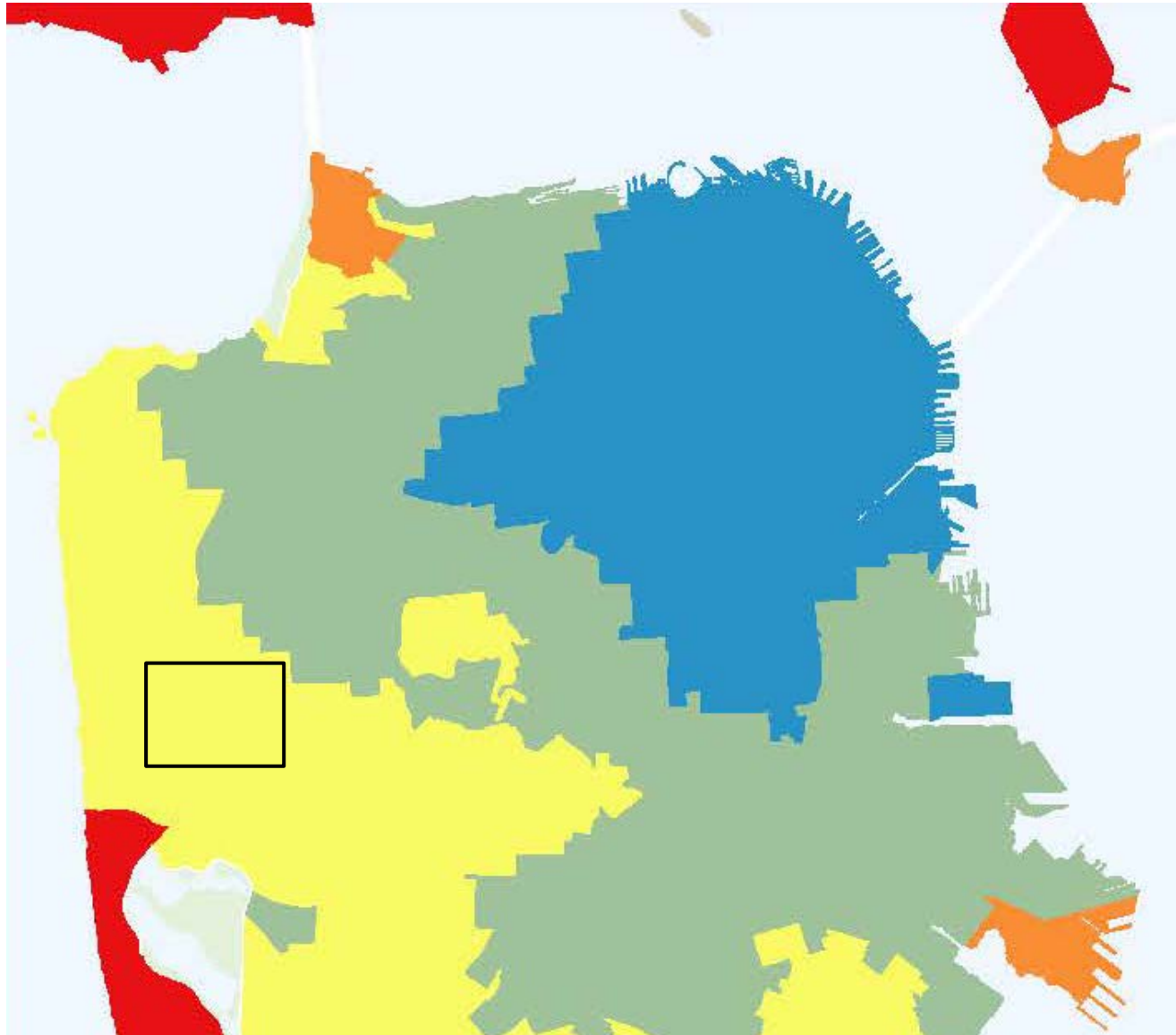


7 to 11

Source: Google Street View  
Walkscore.com

Transportation Sustainability Program

# Land Use Projects



## Daily Household VMT Per Capita



**Daily Regional Average = 17**

**15% below = 15**



# Land Use Projects



## San Francisco Example



Taraval Street, Outer Sunset  
88 Walk Score

## Bay Area Example



Downtown San Rafael  
93 Walk Score

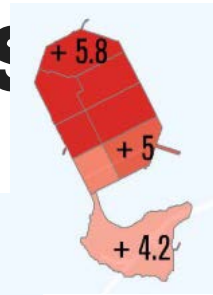
## Daily Household VMT Per Capita



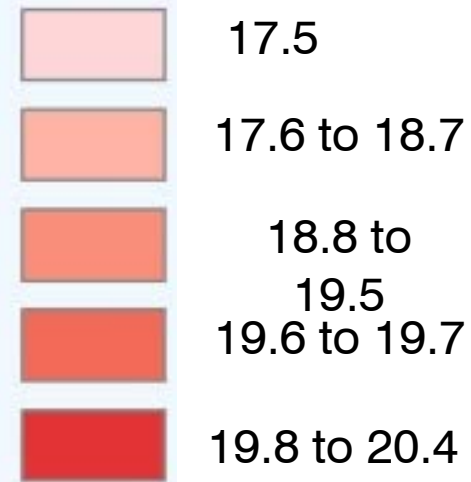
11 to 15

# Residential Projects

## Screening Exceedance



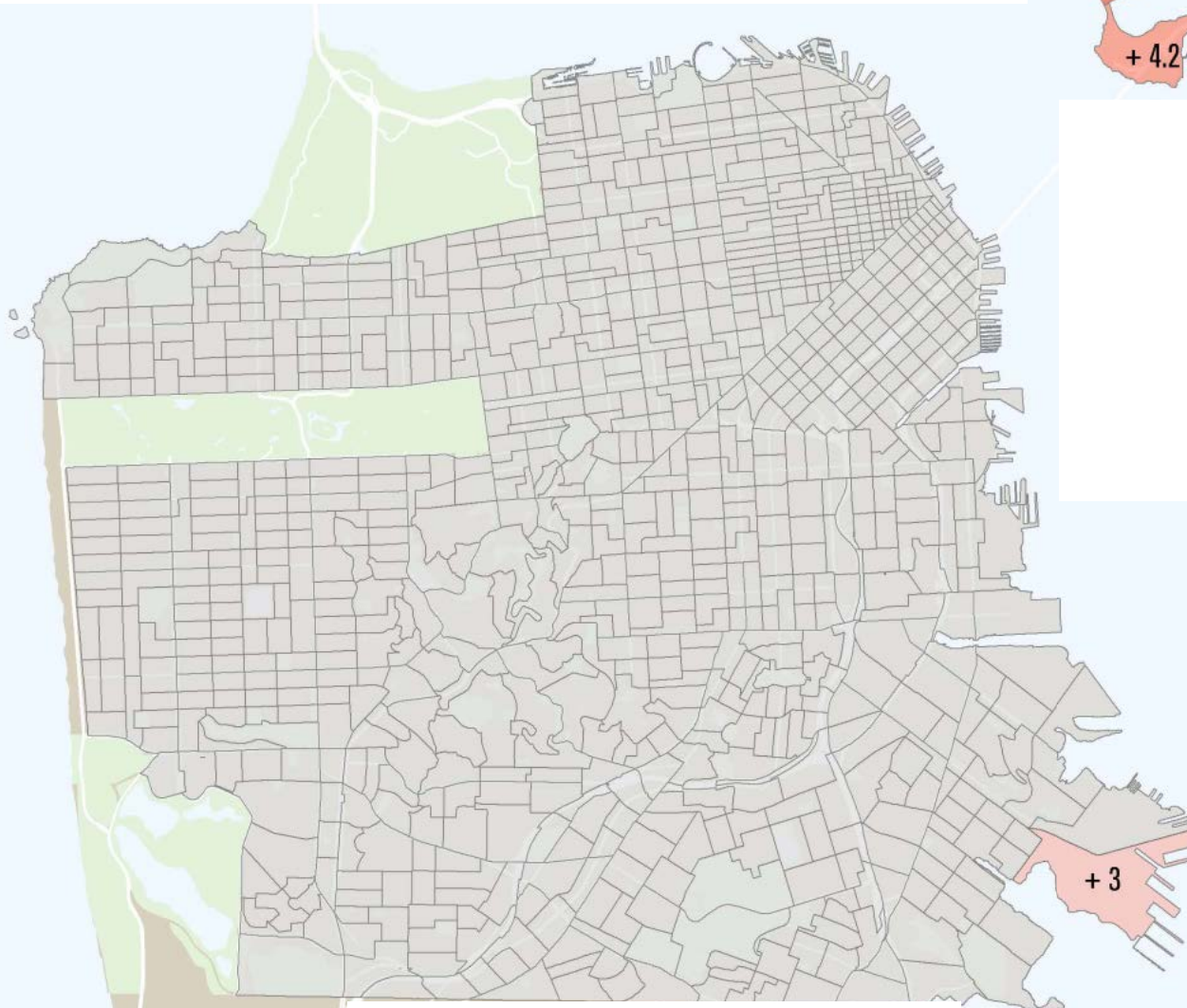
### Daily Household VMT Per Capita



**Daily Regional Average = 17**

**15% below = 15**

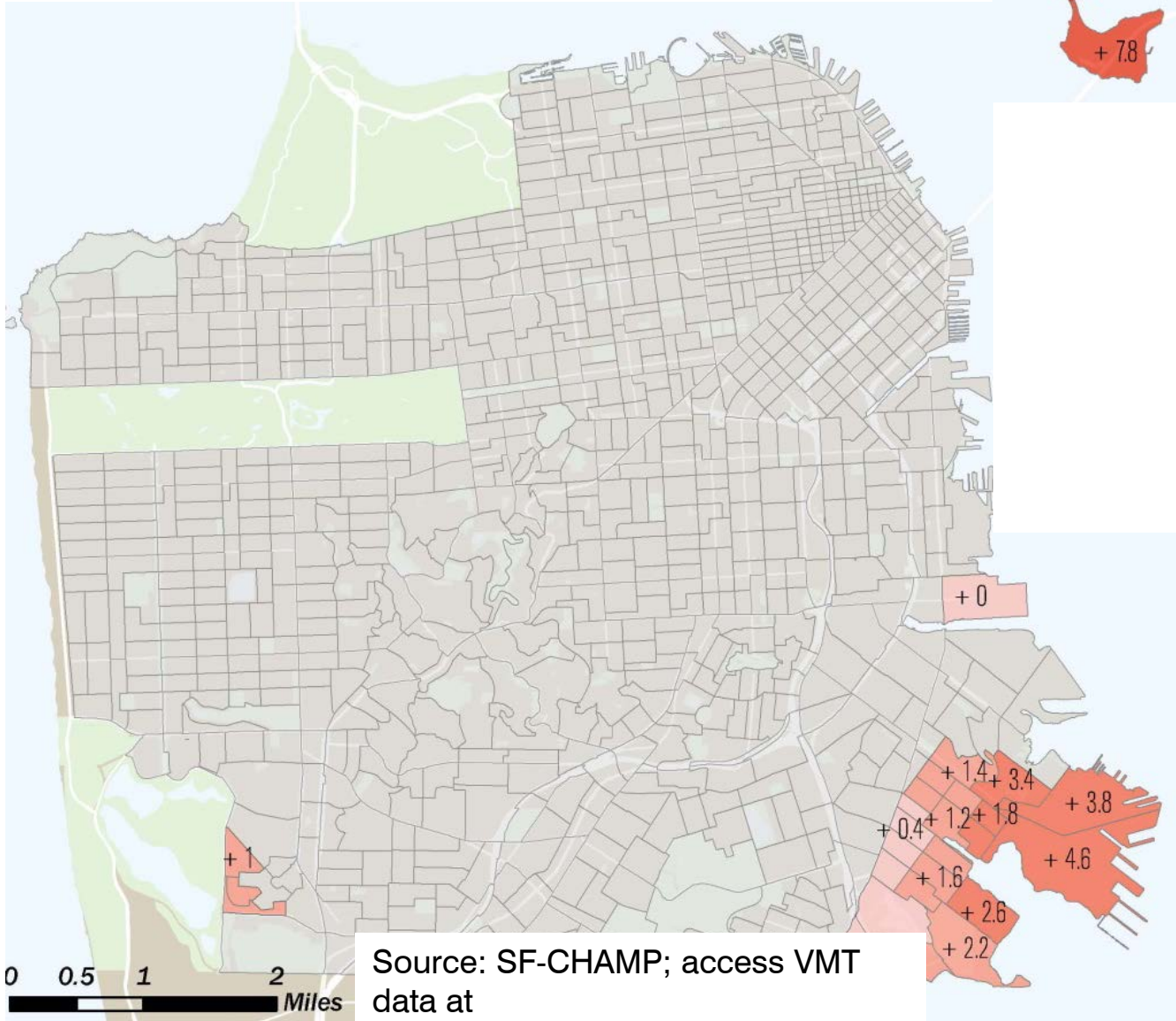
ransportation Sustainability Program



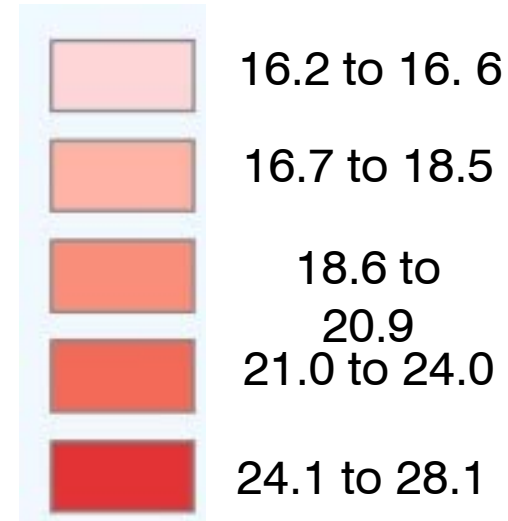
Source: SF-CHAMP; access VMT data at

# Office Projects

## Screening Exceedance



## Daily Household VMT Per Employee



## Daily Regional Average = 19

**15% below = 16**

Transportation Sustainability Program

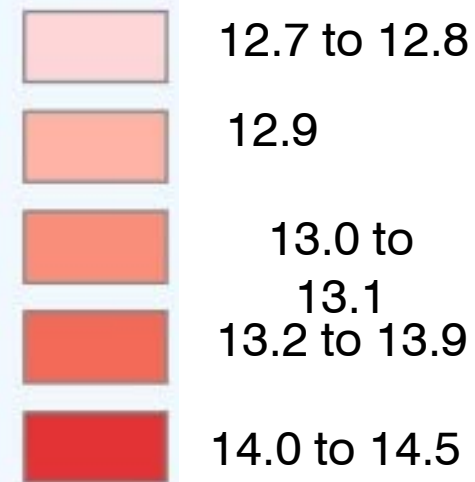


# Retail Projects

## Screening Exceedance

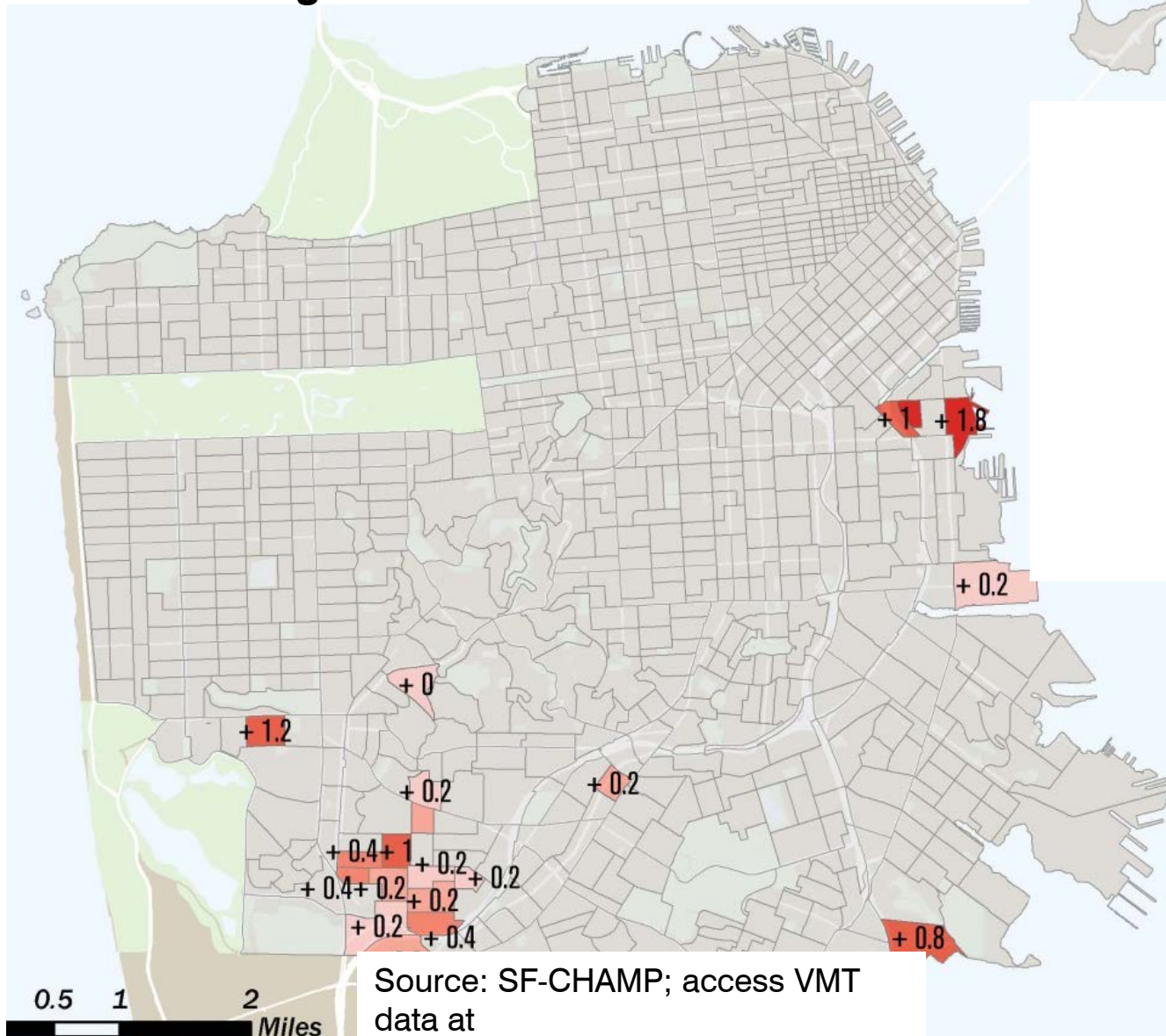


**Daily Household VMT  
Per Employee**



**Daily Regional  
Average = 15**

**15% below =  
≤ 13**



# Land Use Projects Summary

*Goodbye Vehicular LOS...Hello VMT!*

align  
🚌🚲🚶🚗



**Impact = Transportation Demand Management mitigation**

shift





# 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)

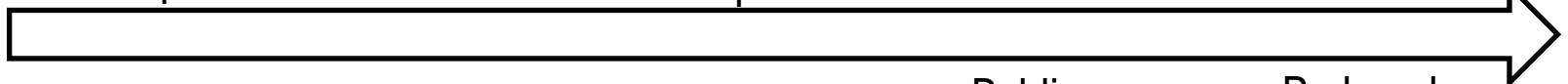


## Range of Effectiveness: Example Options

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 [sftdmttool.org](https://sftdmttool.org)

**TRANSPORTATION  
DEMAND MANAGEMENT  
MEASURES FORM**



**STEP 1: Search or Click on the Map**

1650 Mission Street

SEARCH

**STEP 2: Choose Land Use Categories**


☒ Category A: Retail Type

☐ Category B: Office Type

☐ Category C: Residential Type

☐ Category D: Other

tour



Current Point: 0

Target Point: 0

Submit

Clear



# Transportation Sustainability Program

*Keeping people moving as our City grows*



Enhance Transportation to  
Support Growth



November 2015



Modernize Transportation  
Review



March 2016



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**



# TRANSPORTATION SUSTAINABILITY PROGRAM



*Keeping people moving  
as our city grows*

**Website:** [sf-planning.org/transportation-sustainability-program](https://sf-planning.org/transportation-sustainability-program)

**Email:** [wade.wietgreffe@sfgov.org](mailto:wade.wietgreffe@sfgov.org)

