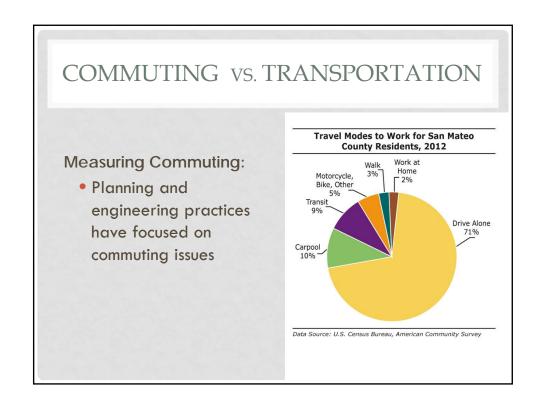
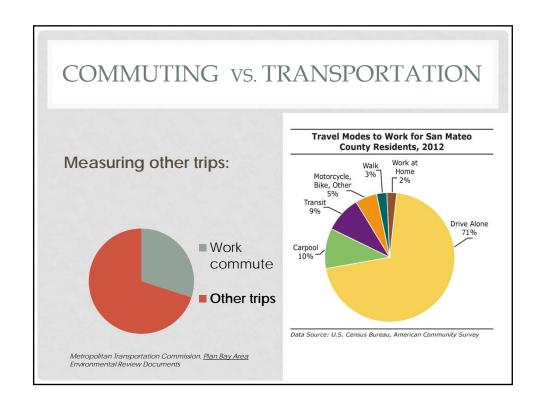
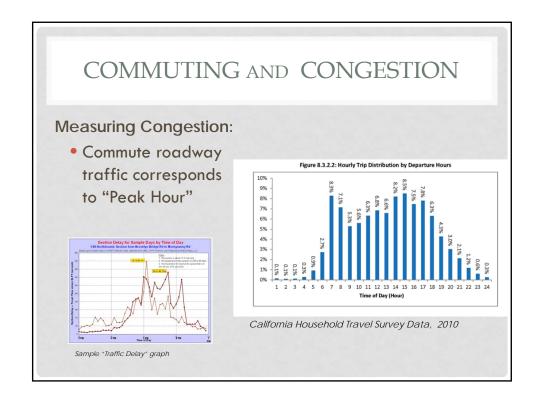
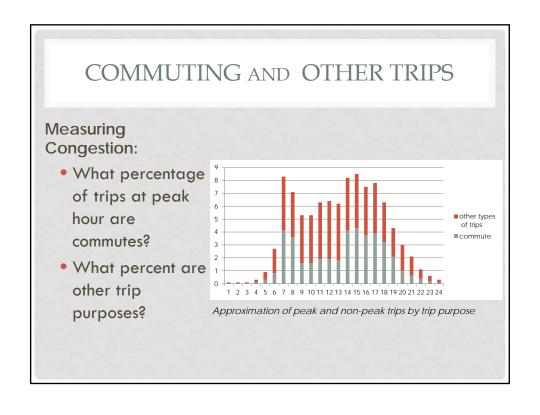


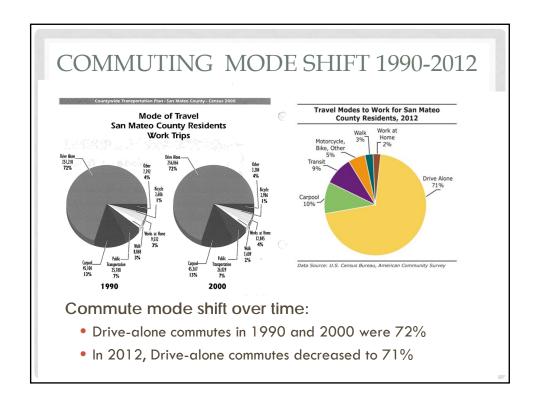
TRANSPORTATION CONTEXT **California Greenhouse Gas Emissions** by Sector, 2011 • Driving is a larger emitter than Residential, Industrial, Other Agriculture/ 5% Electricity Forestry and Agriculture combined. Generation 20% Residential 7% • 90% of transportation emissions are from on-road; 75% of that is from private vehicles. Industrial 23% \Transportation Data Source: California Environmental Protection Agency, Air Resources Board

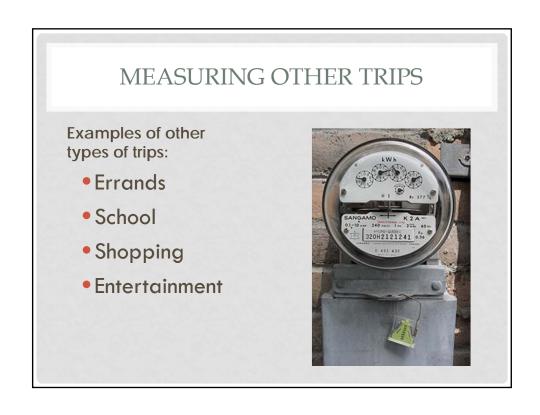


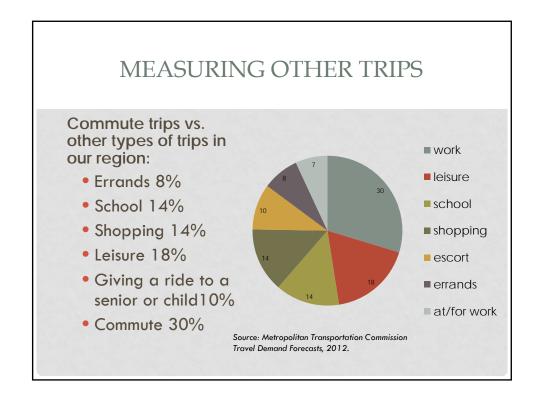


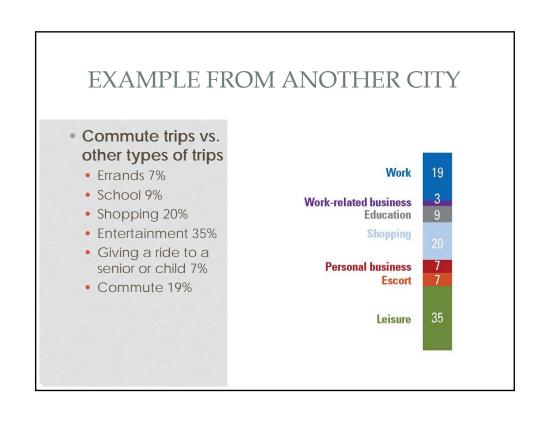




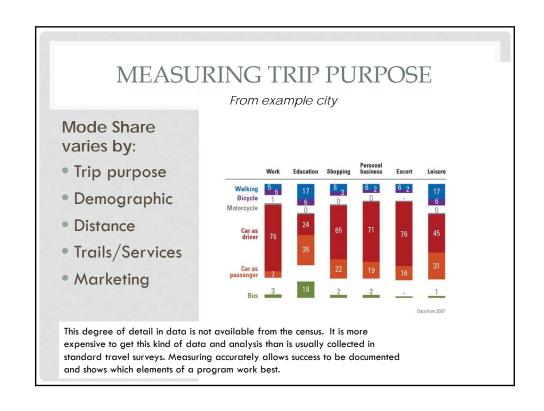








MEASURING EFFECTIVENESS From example city **Measuring Effects of** Community-wide 2004 2007 2009 Program: Walking Walking increased by Bicycle 10% (to 12% of all trips) Motorcycle Bicycling increased to 6% of all trips* (a 20% increase) Driving trips decreased Car as passenger by 6% (and more in target neighborhoods) Transit use almost Bus doubled to 5% *Portland bike mode share is 7% Increasing bicycling, walking, and transit mode share without construction can be cost effective.



RESEARCH HIGHLIGHTS

From example city

Characteristics of trips most likely to shift from car to Environmentally Friendly Modes (EFM):

- Female, age 35 to 50
- Small shopping trip
- Short distance (2 miles or less)

Least likely trip to shift:

Commute



WHAT IS ACTIVE TRANSPORTATION?

- Active Transportation means walking or bicycling for daily errands and short trips
- Some examples:
 - Walking to the corner store for a jar of mayonnaise
 - Bicycling to the library with the kids
 - Walking from the bus stop to the park-and-ride



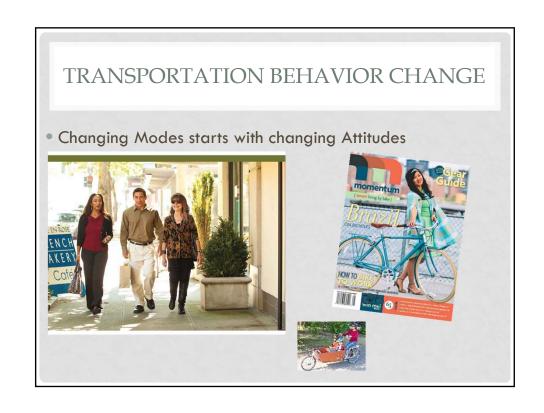
ACTIVE TRANSPORTATION IS SHORT TRIPS

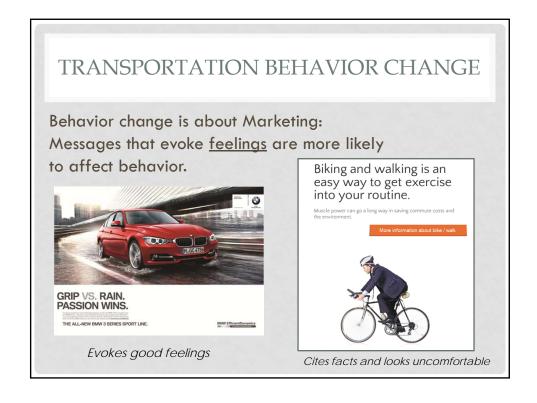
Active Transportation is not about speed or endurance/distance

Sample Active Transportation distances:

- Walking ½ mile takes 10 minutes
- Bicycling 1 mile (level) takes 10 minutes
- 20% of all trips are less than 1 mile
- 50% of all trips are less than 3 miles









COMMUNITY-WIDE TRANSPORTATION DEMAND MANAGEMENT

Sample Results:

- In Eugene, Oregon, about 50,000
 households were contacted, and 10% of
 these households participated. They reduced
 drive alone trips by 7% resulting in a total
 reduction of about 716,000 lbs. of CO₂ not
 emitted.
- Estimated CO₂ reduction for a 7% drivealone trip reduction over the course of 1 year in Redwood City (if about 15% participate): 1 million lbs.

