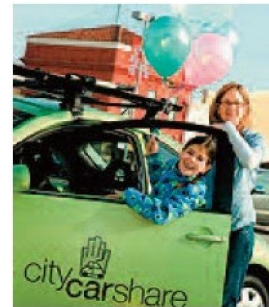


EVALUATION OF MTC'S CLIMATE INITIATIVES PROGRAM

October 19, 2015
Behavior, Energy &
Climate Change Conference

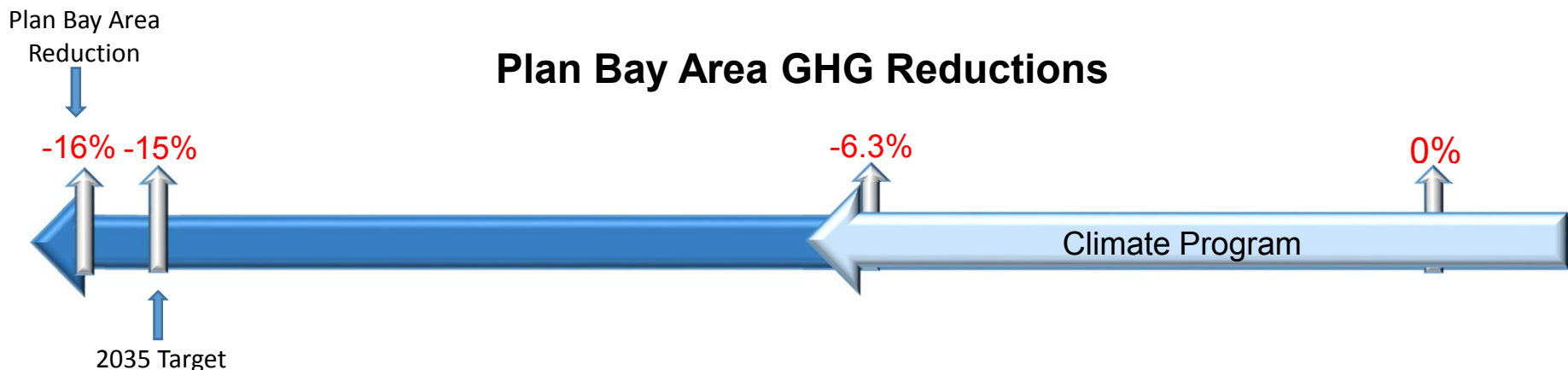


METROPOLITAN
TRANSPORTATION
COMMISSION



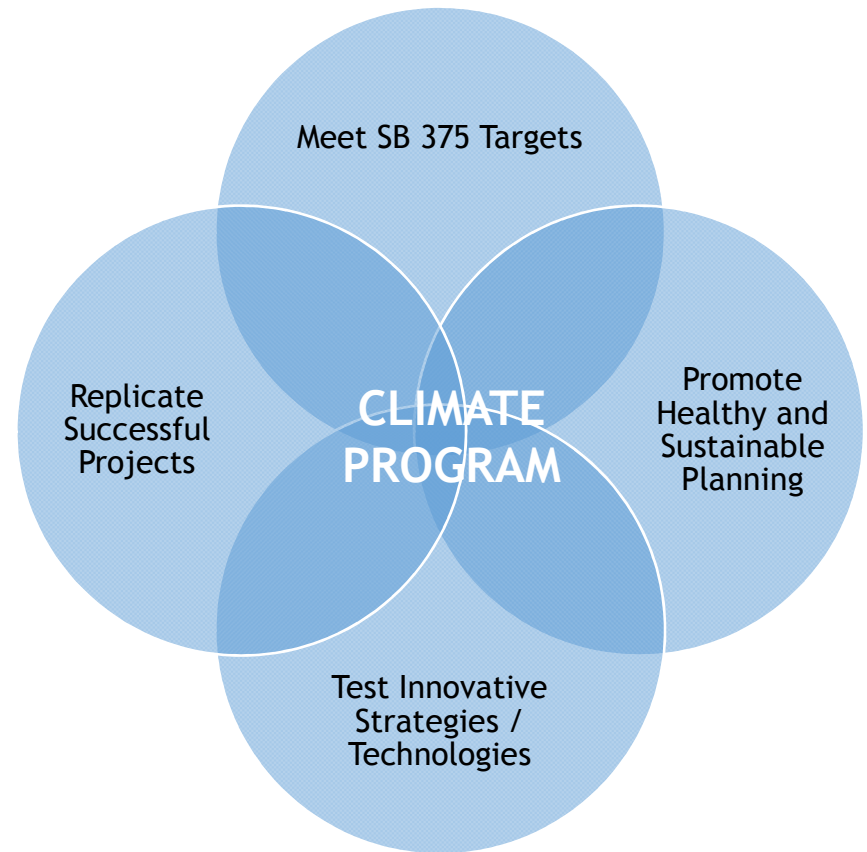
Purpose and Goals of the Climate Initiatives Program

- MTC developed the Climate Program in December 2009 to help the region achieve the GHG reduction targets set forth in SB 375
- In Plan Bay Area, the Climate Program accounts for **6.3%** (more than 1/3) of the achieved **16%** per capita GHG reductions by 2035



Goals of the Climate Initiatives Program

- **Meet SB 375 GHG emission reduction requirements** that mandate the region to reduce GHG emissions
- **Test innovative transportation strategies / technologies** that reduce GHG emissions, VMT, single occupancy vehicle travel, and support mode shift
- **Promote co-benefits**, such as improved public health and reduced transportation costs
- **Replicate successful projects** throughout the region



Evaluation Methodology

- Most Climate Program activities reduce emissions in one of two ways: **reduce vehicle miles of travel (VMT)** or **deploy cleaner vehicles**
- The evaluation of the Climate Program applied a common analytical framework to all projects, considering:
 - ✓ **Transportation Impacts**
 - ✓ **Emissions Impacts**
 - ✓ **Costs**
 - ✓ **Co-Benefits**

Climate Initiatives Program by the Numbers

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Number of projects



Reduced 5,165 tons GHG emissions/year,
or **approx. 1,087 cars off the road/year** (1
car = approx. 5 CO₂ /year)*



Total Project Costs (December 2014):
\$43,091,749



Total MTC Funding: **\$39,838,000**

*Source: EPA Greenhouse Gas Equivalency Calculator

Sample Projects



Local Government EV Fleet
GHG Emission Reduction:
172 tons/yr
Cost Effectiveness:
\$1,679/ton



Connect, Redwood City! (TDM)
GHG Emission Reductions:
1,100-2,790 tons/yr
Cost Effectiveness:
\$290/ton-\$697/ton



goBerkeley (parking)
GHG Emissions Reduction: 317 tons/yr
Cost Effectiveness:
\$9,792/ton



BikeMobile (bicycle)
GHG Emissions Reduction: 201 tons/yr
Cost Effectiveness:
\$2,811/ton

Transportation Demand Management (TDM)
Parking Pricing
Ridesharing
Bicycle Projects
Electric Vehicle Deployment
Safe Routes to School Projects
Smart Driving
Experience Electric EV Campaign

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