

Climate Action Plan

For San Francisco

Local Actions to Reduce Greenhouse Gas Emissions



San Francisco Department of the Environment • San Francisco Public Utilities Commission
September 2004

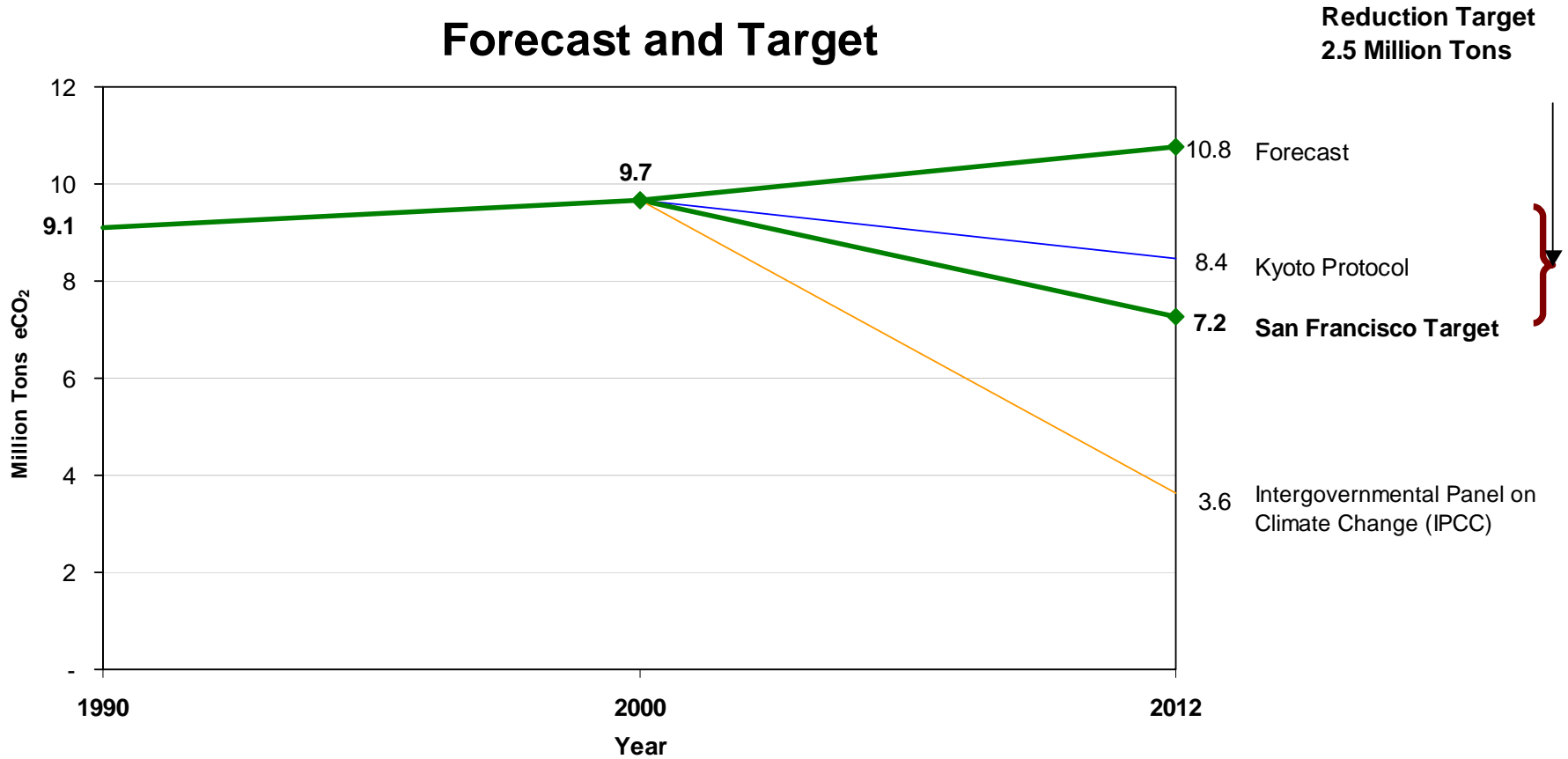
Calla Rose Ostrander
Climate Action Coordinator



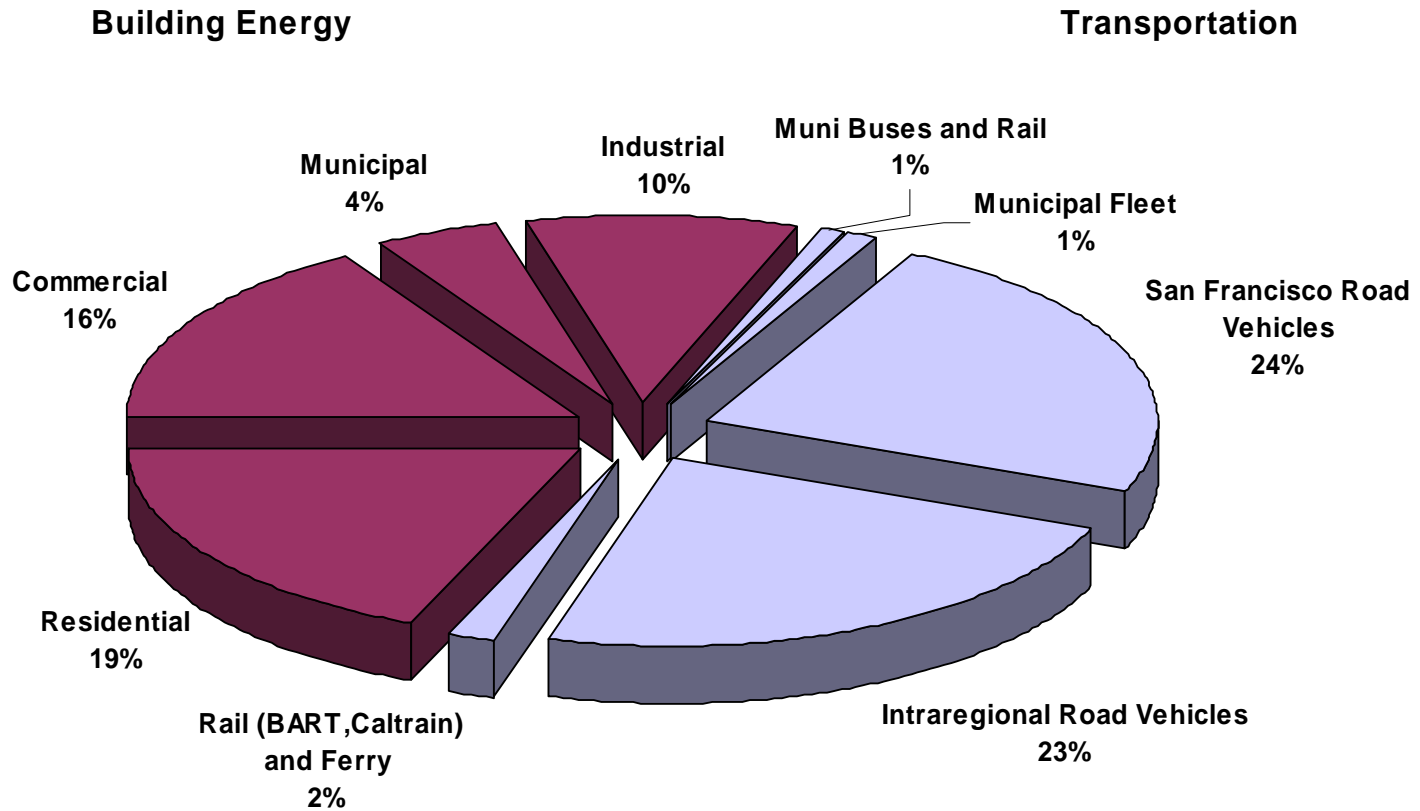
SFEnvironment

Our home. Our city. Our planet.

San Francisco Greenhouse Gas Emissions Forecast and Target



San Francisco Greenhouse Gas Emissions (eCO₂) 1990



1990 Baseline Greenhouse Gas Emissions. Total = 9.1 million tons eCO₂ per year
Sources: PG&E, Hetch Hetchy Water and Power, CA. Dept of Transportation, MTC, Muni, BART.



Transportation

963,000 tons

- Increase the Use of Public Transit
- Increase the Use of Ridesharing
- Facilitate Bicycling and Walking
- Support Trip Reduction Through Employer-Based Incentives
- Increase the Use of Clean Air Vehicles and Improve Fleet Efficiency



Energy Efficiency

786,000 tons

- Incentives and Technical Assistance
(e.g. PEP Program, 16 MW goal)
- Education and Outreach
- Legislation, Codes and Standards



Renewable Energy

549,000 tons

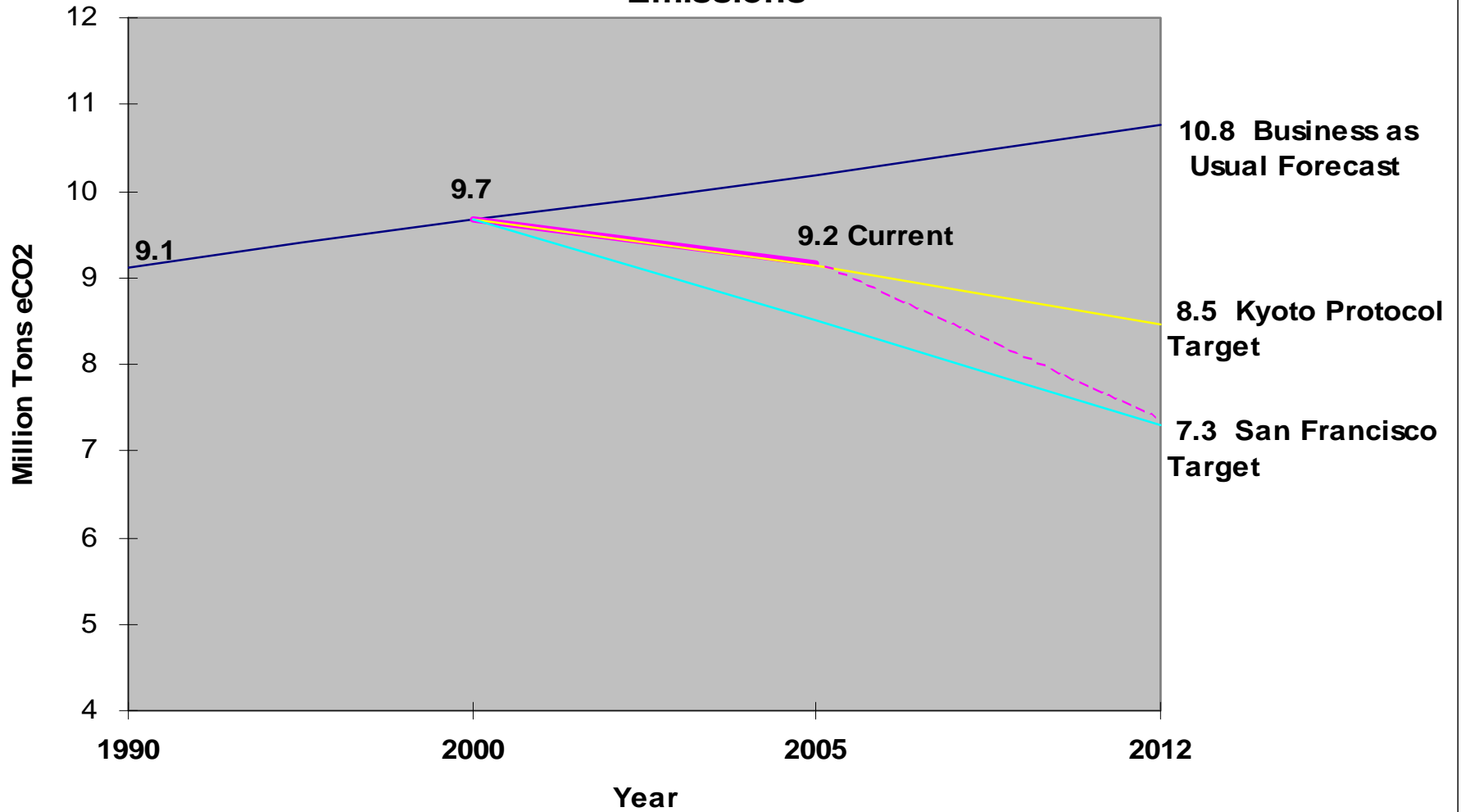
- Develop Renewable Energy Projects
(e.g. Moscone Center 600 KW Solar PV project)
- Conduct Pilot Projects for Emerging Technologies (e.g. fuel cells, tidal)
- Support and Develop Green Power Purchasing



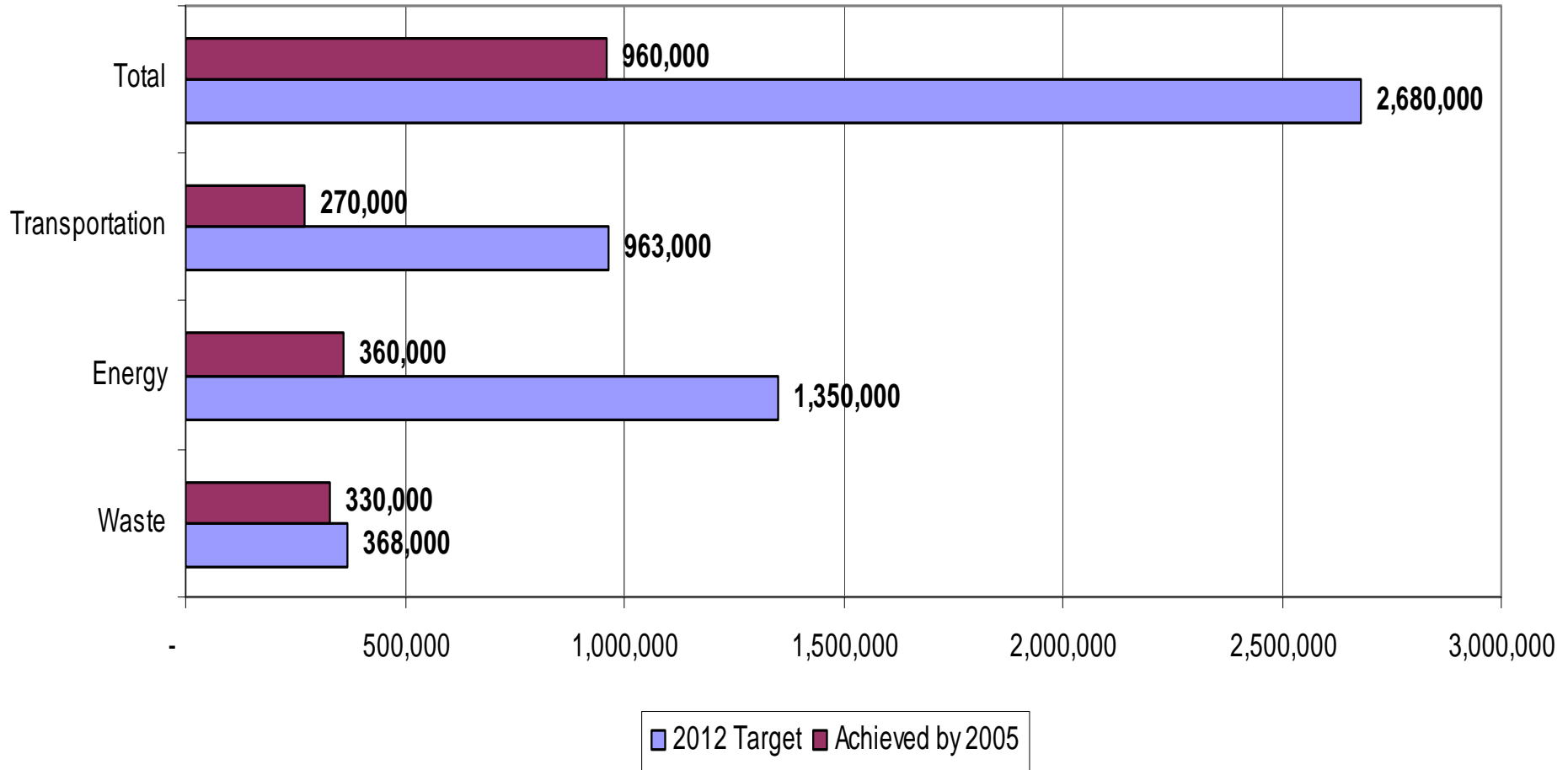
Solid Waste
302,000 tons

- Recycling and Composting
- Construction and Demolition Waste Recycling
- Source Reduction

Greenhouse Gas Emissions Forecast, Targets and Current Emissions

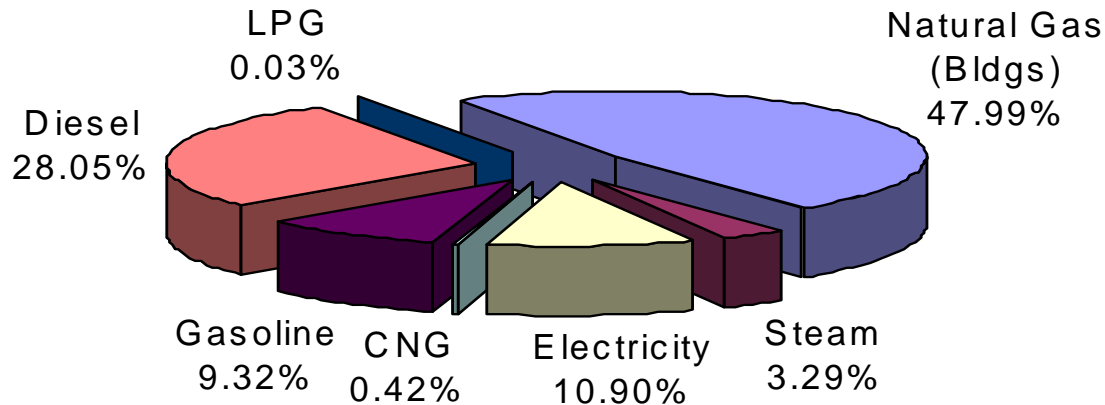


Greenhouse Gas Reductions Below Business As Usual as of 2005 in Comparison to Climate Action Plan Reduction Goals by Area



6% of Emissions come from City Operations

2005 Carbon Dioxide from CCSF Municipal Operations by Fuel (Total CO₂ = 213,898 Tonnes)



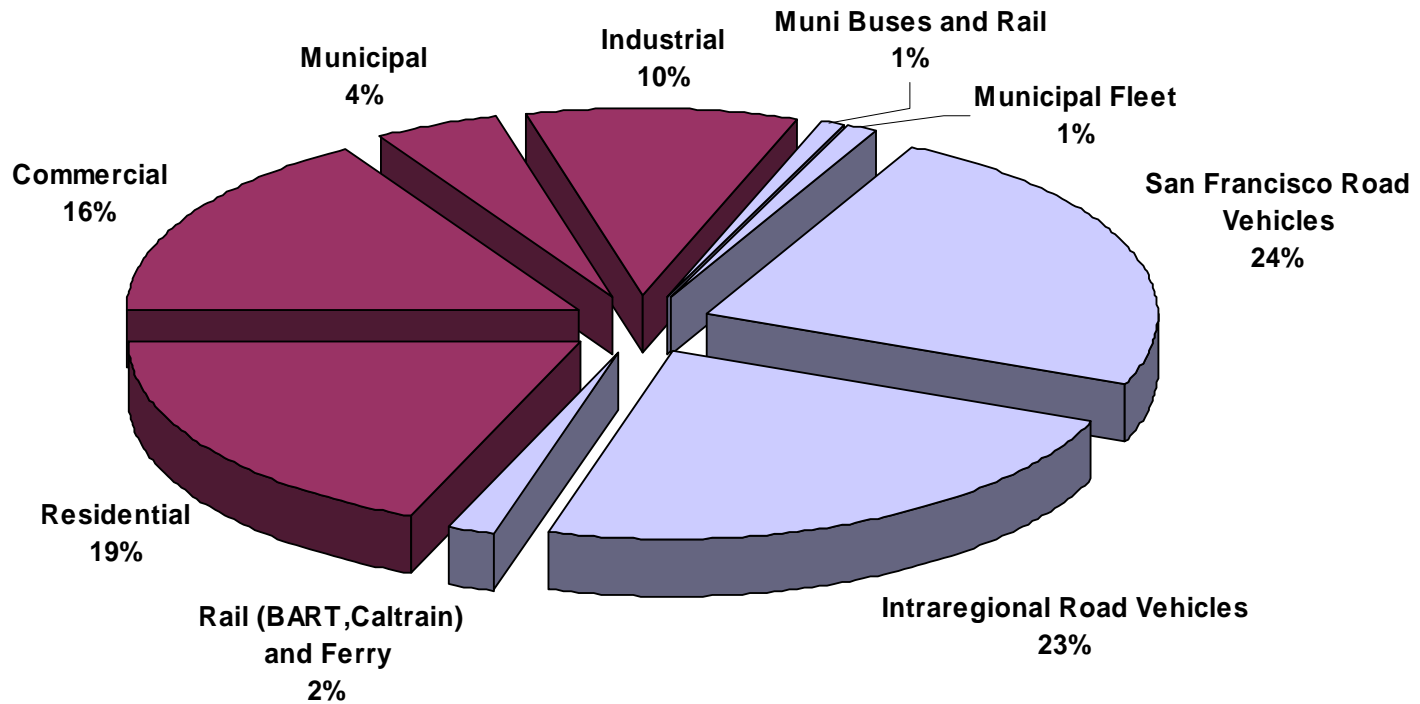
- 54 Department's have Climate Plans
- 20,000-60,000 employees
- Water, Waste Water, Electricity, Natural Gas, Liquid Fuels (gasoline, biodiesel, LPG, CNG, marine distillate) Waste, Trees
- *Last year the Fire Department Saved over \$50,000 in efficiencies identified through their CAP*



Where do we go from here?

Building Energy

Transportation



1990 Baseline Greenhouse Gas Emissions. Total = 9.1 million tons eCO₂ per year

Sources: PG&E, Hetch Hetchy Water and Power, CA. Dept of Transportation, MTC, Muni, BART.

What is within our jurisdiction?

- Prop A. MTA
- AB32 Land Use and Transportation
 - SB375
 - CEQA GHG Thresholds
- Waste Emissions
- Natural Systems Sinks

DEMAND SIDE MANAGEMENT/SUPPLY SIDE PRESSURE

How can we count it?

- ICLIE Model= No waste or land use transportation
- Urban Forestry?
- Wetlands?

Systems-Based View of U.S. GHG Emissions 2006U.S.

EPA. 2008. Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2006.

