

South Bay Cities: Climate Action Plans

Presentation to the SBCCOG Board of Directors
Sabrina Bornstein, Environmental Programs Specialist
April 25, 2013



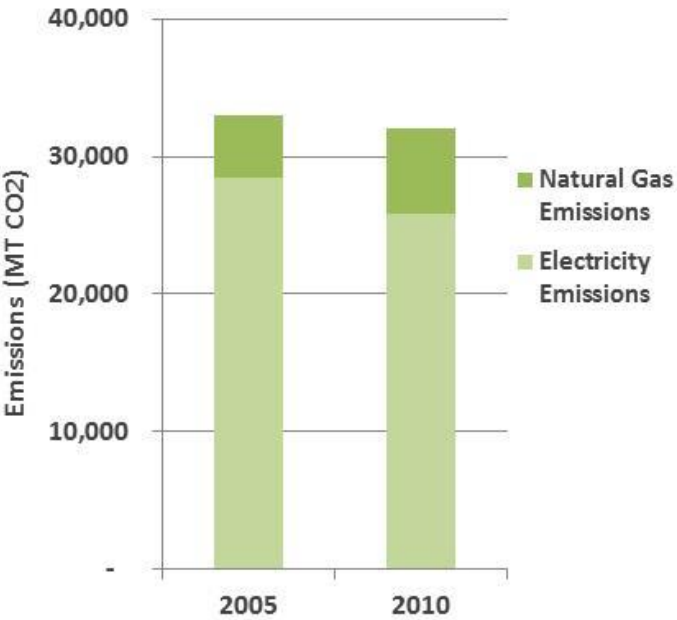
SBESC and its program offerings are funded by California utility customers and administered by Southern California Edison and Southern California Gas under the auspices of the California Public Utilities Commission. Additional funding provided by WBMWD, LACSD, Metro and County of Los Angeles.

Climate Action Plans - Updates

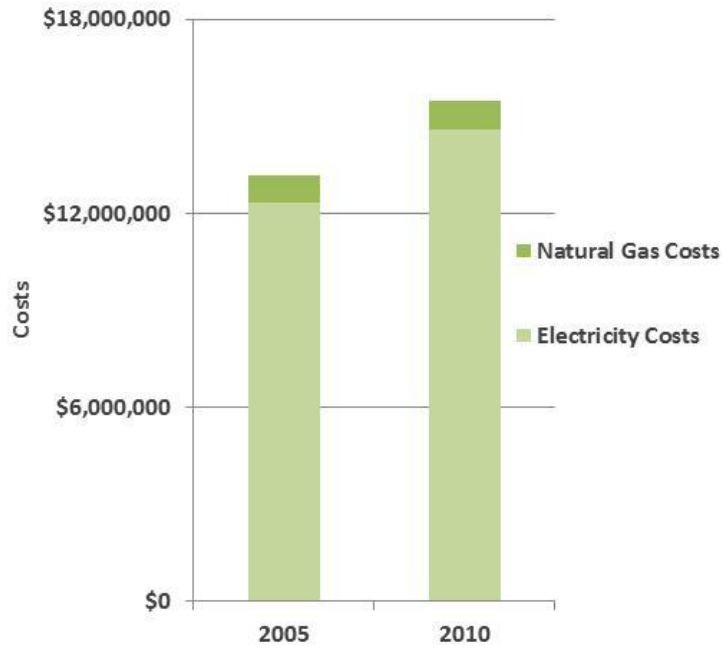
- **Energy Emissions Trends – 2010 Update**
- **Best Practices Framework**
- **Next Steps**

Municipal Energy: Emissions Down, Costs Up

Municipal Energy Use Emissions



Municipal Energy Costs



Note: the 2010 municipal natural gas data analysis includes 2009 natural gas numbers for a few of the South Bay cities, for which, at this time, 2010 data are not available.

Energy Emissions: Municipal Electricity

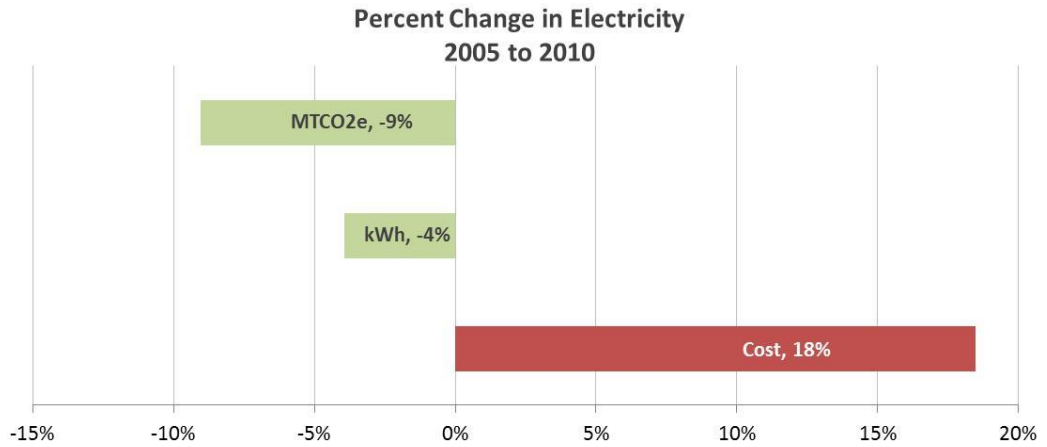


South Bay Municipal Electricity Trends:

- Emissions and energy use went down
- Total costs went up

Electricity Savings = Costs Savings

- Price of electricity increased between 2005 and 2010
 - In South Bay: avg cost/kWh rose by 23%
- By reducing electricity, South Bay cities saved nearly **\$600,000** in additional electricity costs in 2010



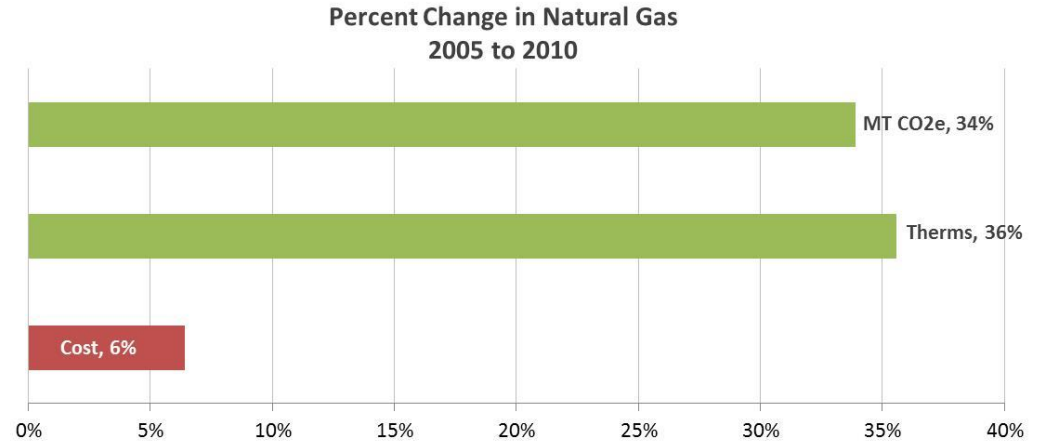
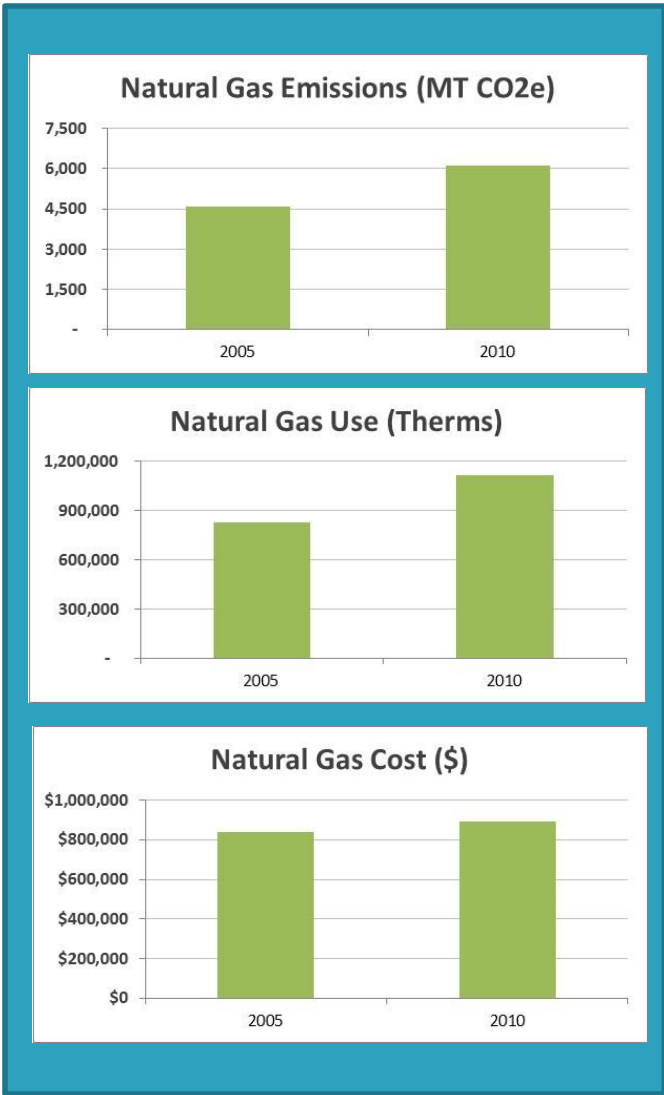
Energy Emissions: Municipal Natural Gas

South Bay Municipal Natural Gas Trends:

- Emissions and energy use went up
- Total costs went down

Potential Savings

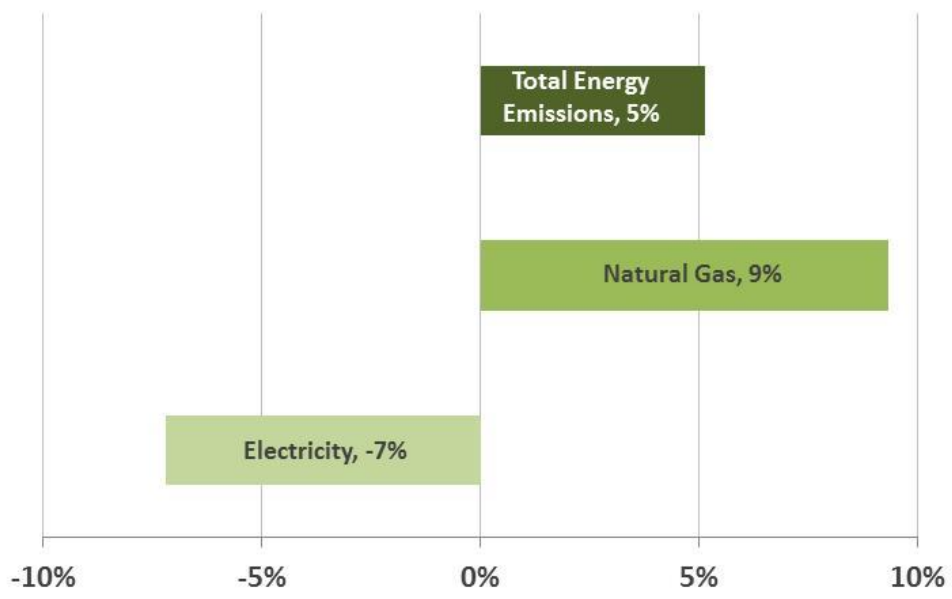
- Price of natural gas decreased between 2005 and 2010
 - In South Bay: avg cost/therm decreased by 21%
- If natural gas usage had remained constant, the South Bay cities would have saved approximately **\$234,000** in their 2010 natural gas costs



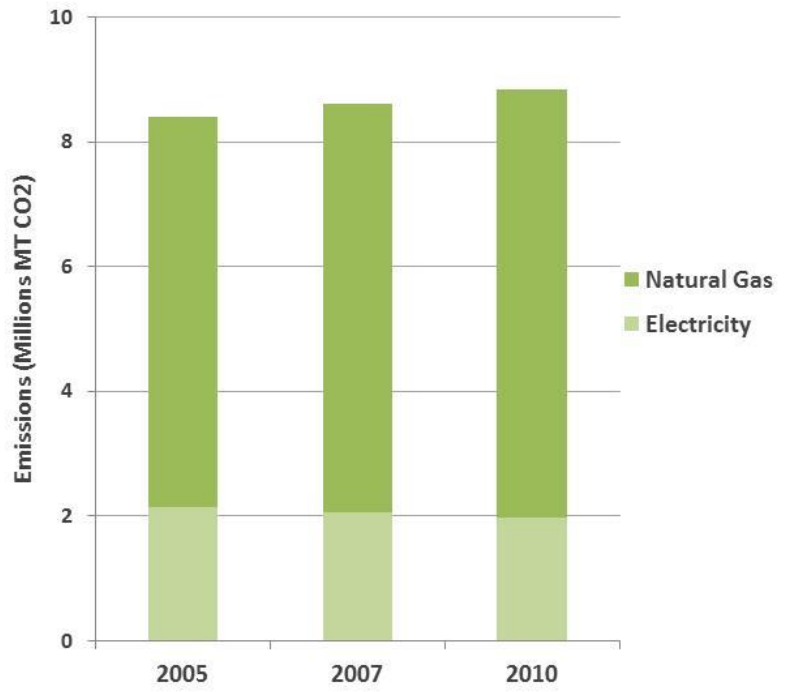
Energy Emissions: Communitywide

- **Energy Use = 70%** of emissions in South Bay

Percent Change in Energy Emissions
2005 to 2010



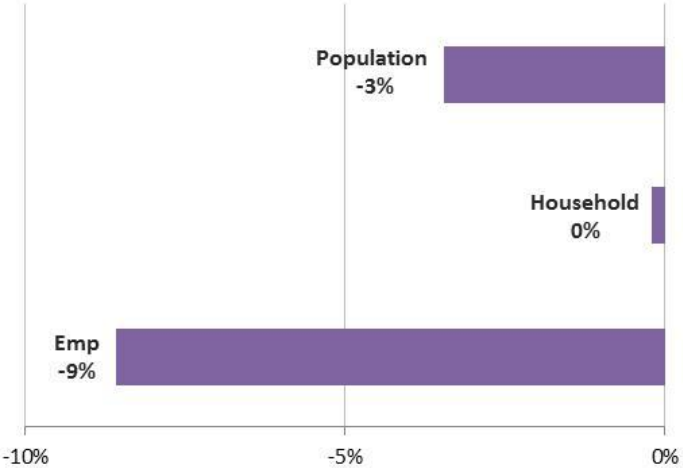
South Bay Energy Emissions



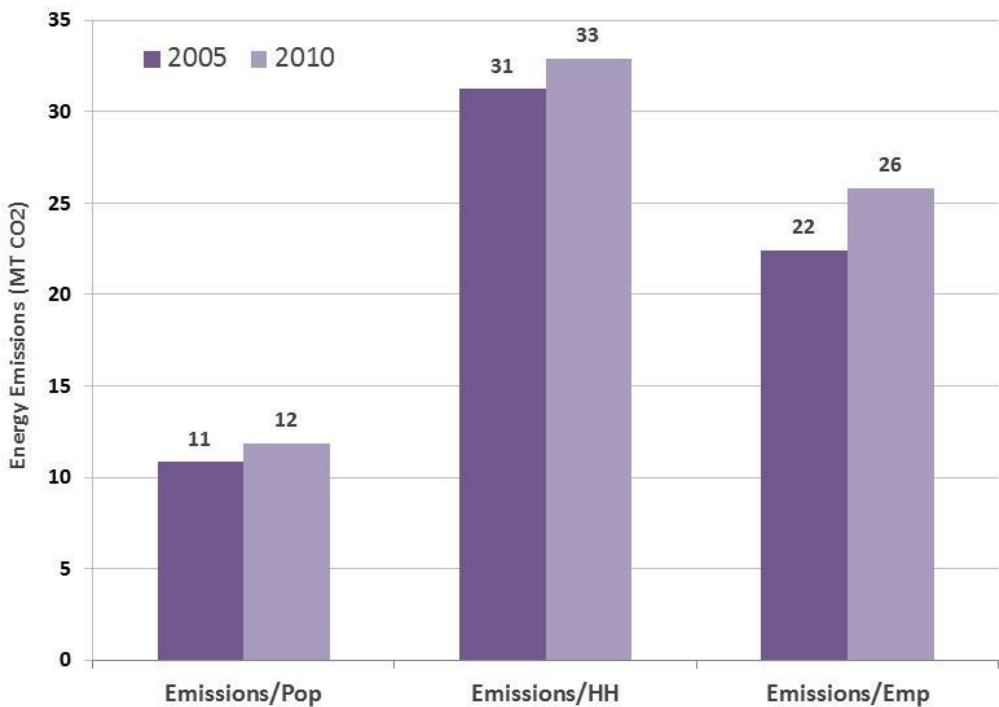
Energy Emissions: Communitywide

- South Bay population, households and employment all decreased:

Percent Change in South Bay Demographics, 2005 to 2010



Energy Emissions Per Capita, Household and Employment



Best Practices Framework:

10 Best Practices Areas

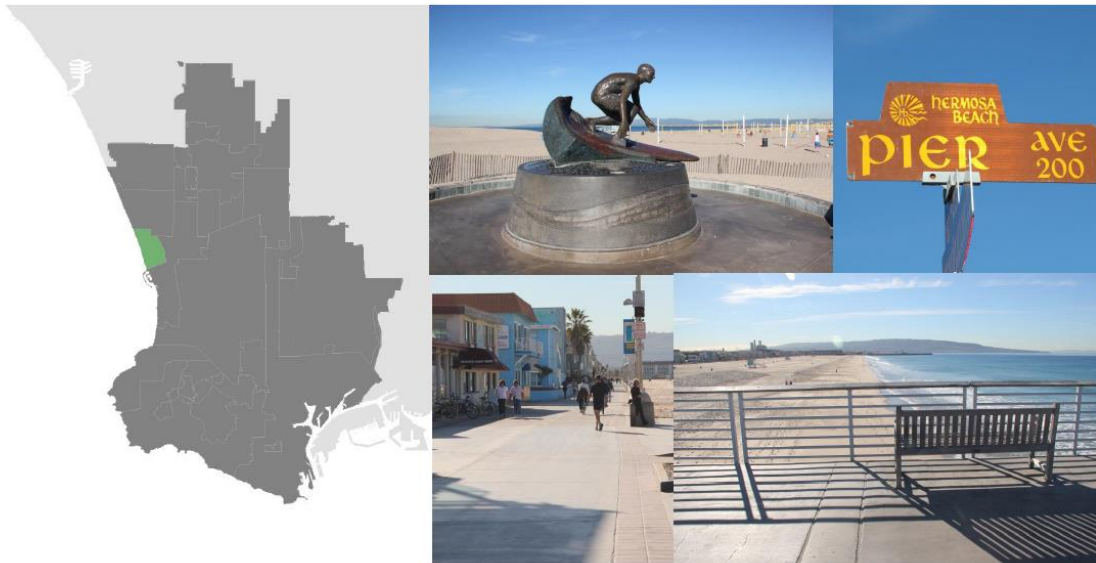
- 1. Energy Efficiency & Conservation**
- 2. Water and Wastewater Systems**
- 3. Green Building**
- 4. Waste Reduction & Recycling**
- 5. Climate Friendly Purchasing**
- 6. Renewable Energy and Low-Carbon Fuels**
- 7. Efficient Transportation**
- 8. Land Use & Community Design**
- 9. Open Space & Offsetting Carbon Emissions**
- 10. Promoting Community & Individual Action**

Next Steps

Phase 1 report for each city:

- Energy Usage and Emissions Trends
- Best Practices

HERMOSA BEACH CLIMATE ACTION PLANNING: ENERGY USE



Questions?

Contact Information

Sabrina Bornstein
Environmental Programs Specialist
(310) 371-7222
Sabrina@sbesc.com