



Solano County Climate Action Plan

Focus Group Workshop #2
March 8, 2010

AECOM



Focus Group Workshop Agenda

1. Welcome

Matt Walsh, Solano County

2. 2005 GHG Emissions Inventory

Jeff Henderson, AECOM

3. 2020 GHG Emissions Projections

Jeff Henderson, AECOM

3. Discussion: Preliminary List of Reduction Measures, Comments from Constituents

Jeff Henderson and Yanna McLaughlin, AECOM

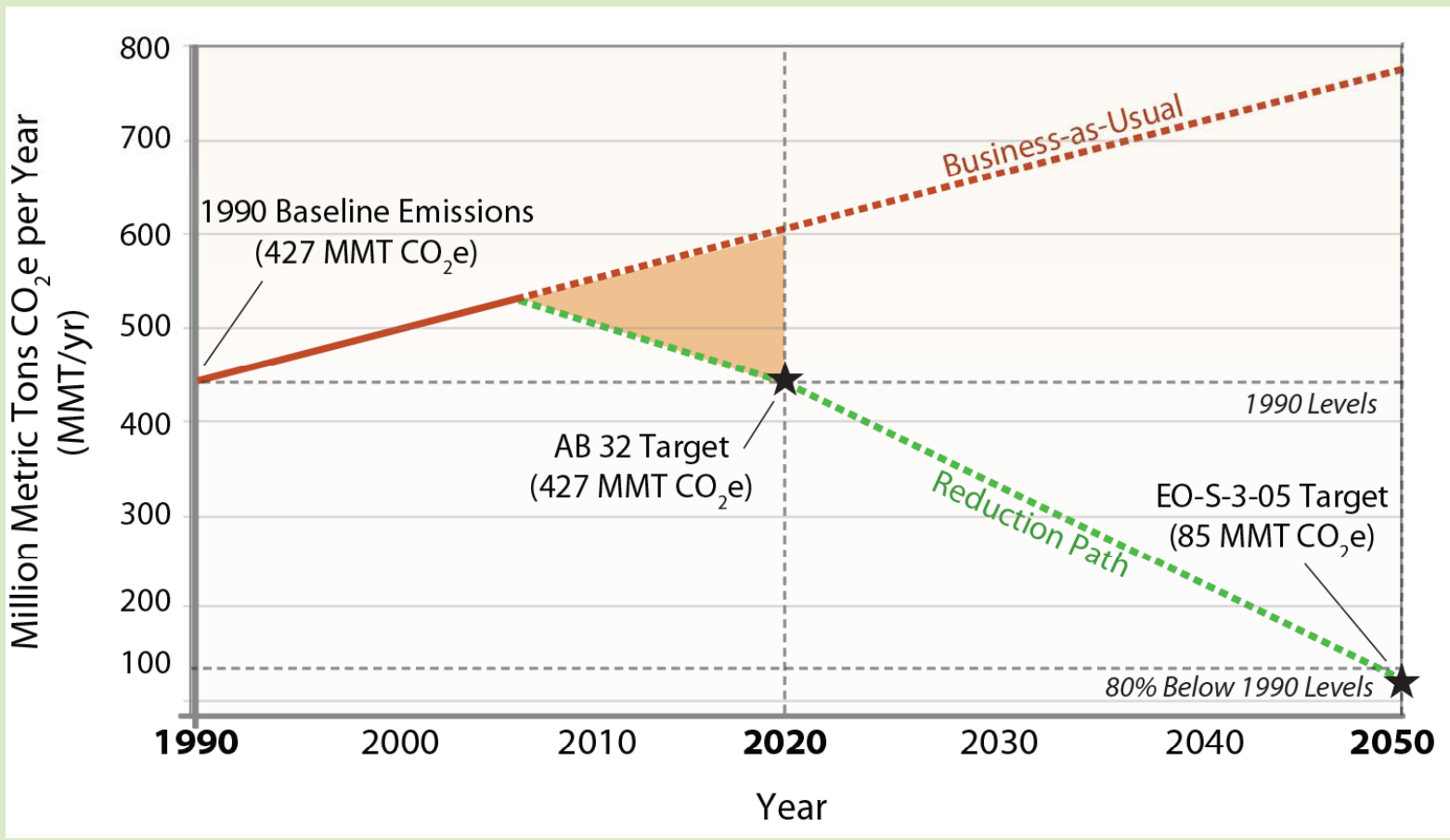
5. Next Steps

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California's plan to combat GHG emissions

California Projected GHG Emissions 1990 - 2050



Solano County's Climate Action Plan

- Purpose
 - Describe steps for County departments and agencies to reduce GHG emissions
 - Identify steps that will reduce emissions within the community
 - Propose strategies and actions designed to achieve target GHG reduction goal
 - Create a framework for monitoring progress towards goals



Building Energy - 4.1:

Develop a comprehensive renewable energy program that encourages residential property owners to install solar energy systems.

Measure Description:

The City will develop an outreach program that encourages residential owners to install solar photovoltaic and solar hot water systems. The program will aim to maximize participation of the community in renewable energy generation. As described in measure Building Energy 2.2, the City will partner with adjacent cities and ABAG to create an effective renewable energy and energy efficiency financing program. Renewable and Solar Technology program and will allow residential and commercial property owners to repay the cost of solar energy systems through a voluntary tax increment on their property tax bill. The City will pay the installation cost of a renewable energy system for approved applicants. In turn, the City will add a line item to the owners' property tax bill sufficient to repay the cost of the energy project plus interest over 20 years. If the property is sold, both the renewable energy system and the remaining debt stay with the property. Property owners will also be able to finance the renewable systems by using this program in conjunction with the California Solar Initiative rebate program.

Through AB 811, a City or County can adopt a voluntary community benefit district for this purpose. Stopwaste and ABAG are currently exploring the viability of setting up a program. Obtaining low-cost bond financing is critical. Current bond interest rates assume 7 percent. Under a 7 percent interest rate, property owners with excellent credit have access to lower-cost financing through traditional banks. The specific logistics of the program have yet to be determined, but its participation will be highly dependent on the availability of low-cost financing.

GHG Reduction

Potential:
2,100
MT CO₂e

Community Co-Benefits:



Cost to City:
Low

Private Cost:
Yes

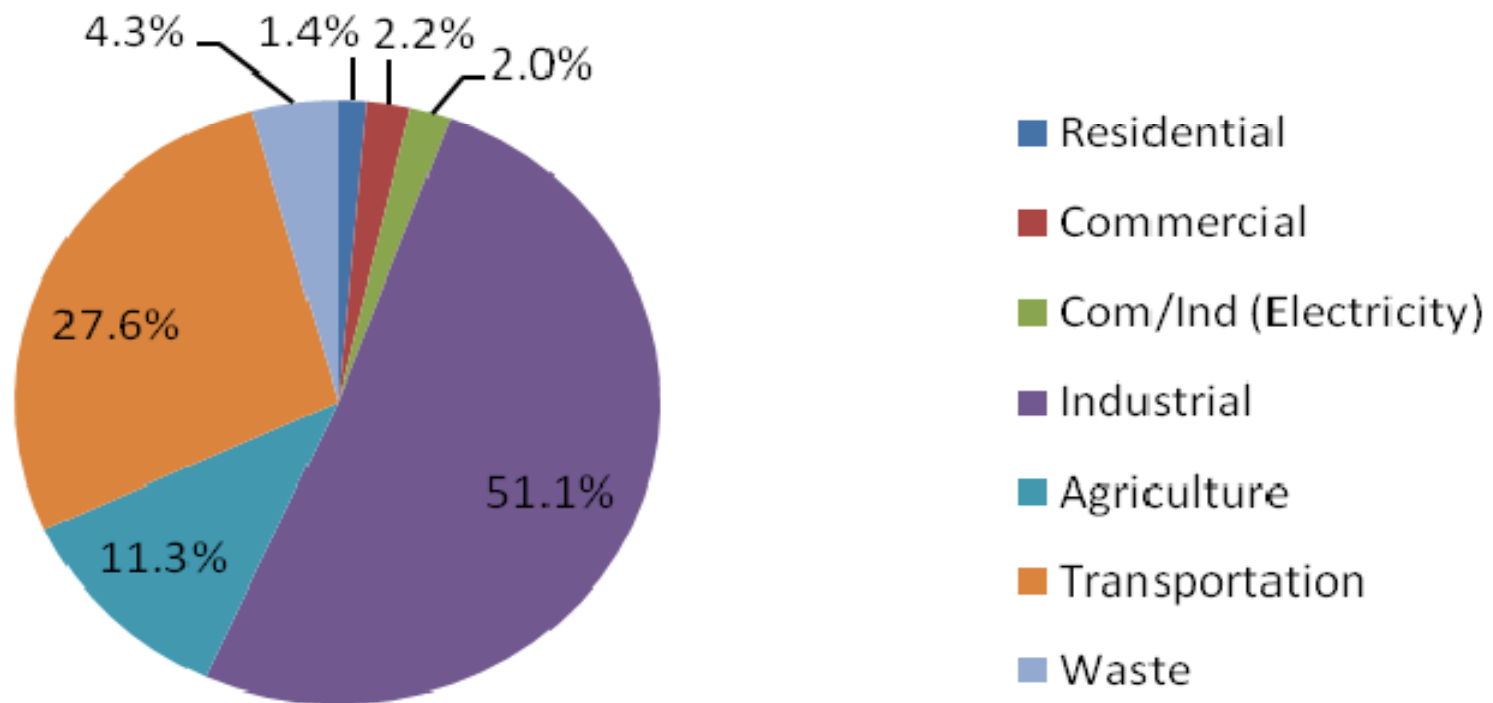
Potential Funding Sources:
City General Fund;
AB 811;
Utilities rebates

Implementation Action		Timetables	Responsibility
A	Amend the Green Building Ordinance to incorporate the Tier 2 energy efficiency standards contained in Section 503.1.2 of the 2008 California Green Building Code as the required standards for energy efficiency for new construction.	Short Term (1-2 years)	City Supervisors; Building Department; Finance Department
Progress Indicators		Targets	
i	Percentage of residential buildings that have installed photovoltaic or solar hot water heaters	10% by 2015 20% by 2020	



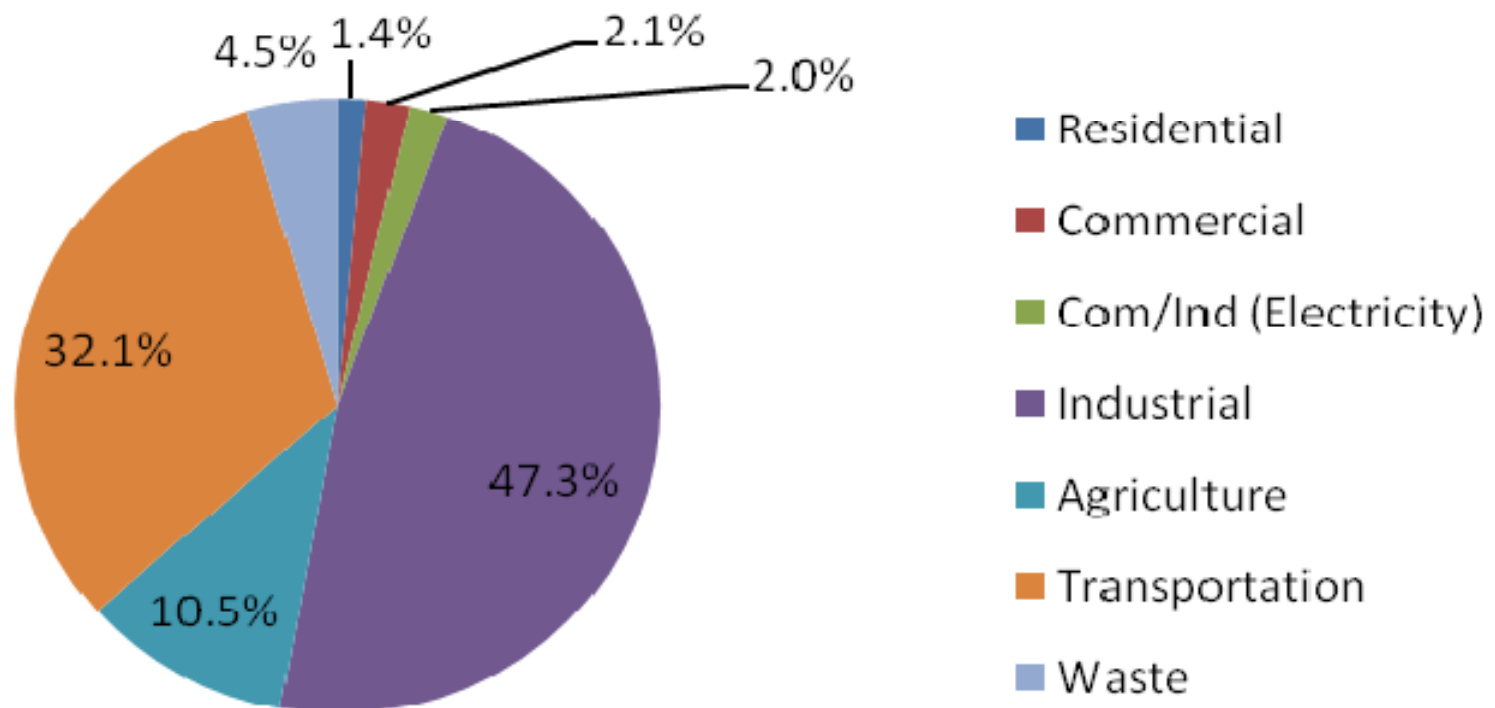
2005 Existing GHG Emissions

Unincorporated Solano County Baseline (2005) GHG Emissions Inventory

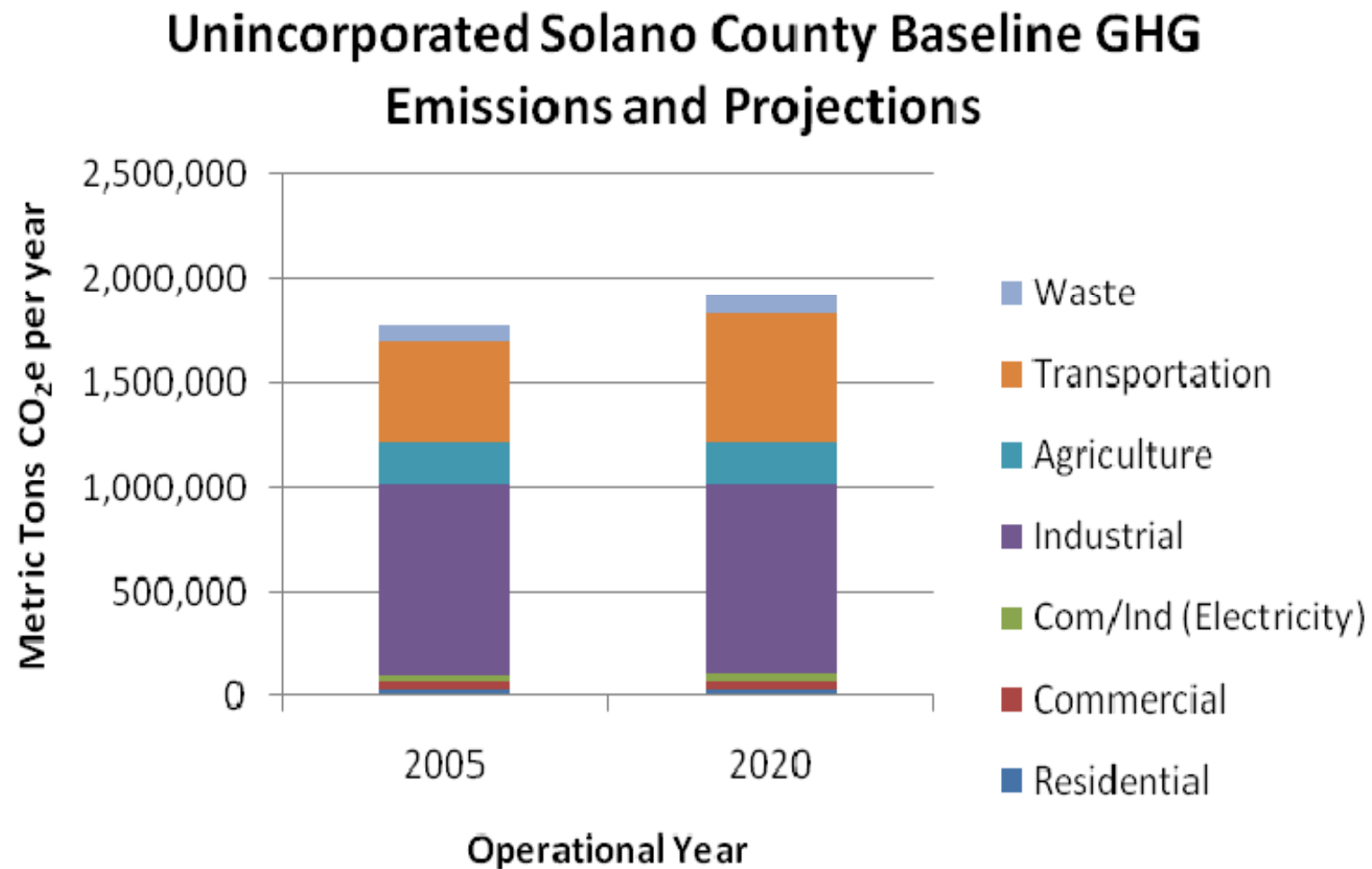


2020 Projected GHG Emissions

Unincorporated Solano County Projected (2020) GHG Emissions Inventory

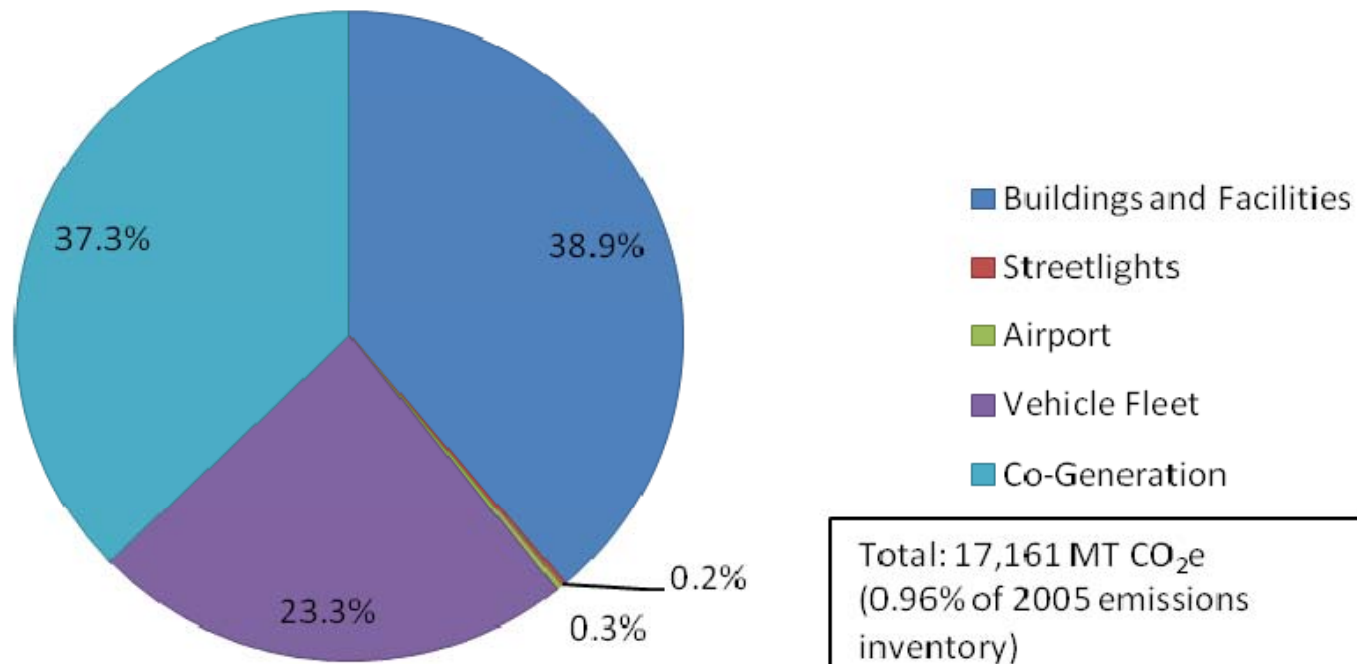


Projected GHG Emissions



Projected GHG Emissions

Solano County Baseline (2005) Municipal GHG Emissions Inventory



Opportunities in Solano County

The Climate Action Plan must address the unique rural and agricultural context of Solano County.

Action Areas:



Agriculture



Energy



Transportation



Land Use



Waste



Agriculture



- Require best management practices in agriculture and animal operations to reduce emissions, conserve energy and water, and utilize alternative energy sources, including biogas, wind and solar.
 - Livestock: Fermentation and Manure Management
 - Soil Management: Residue Burn, Conservation Tillage
 - Irrigation Efficiency, Alternative Crops
 - Precision Pesticide and Fertilizer Application (IPM)
 - Incorporate renewable energy systems into agricultural projects
 - Serve local markets



Energy (Efficiencies/ Renewables)



- **Building Energy Efficiency**

- Require use of energy-efficient technology and practices
- Provide education on energy efficiency
- Identify and develop low-cost financing products and programs that encourage investment in efficiency retrofits
- Require green building practices and design elements in new construction

- **Renewable Energy Generation**

Develop a comprehensive renewable energy program

- Wind
- Biomass
- Solar
- Biofuels



Transportation



- Promote “least polluting” ways to connect people and goods to their destinations.
- Biking & Walking - Expand infrastructure for safe travel within MSAs, the County's traditional communities, and unincorporated islands.
- Work with major employers to increase trip consolidation (transportation & commute trip reduction programs)
- Evaluate potential for additional public transit service types including Bus Rapid Transit, additional rail stations, etc.



Land Use



- Encourage businesses in the Bay Area and Sacramento region to establish satellite work centers near housing concentrations in cities and MSAs
- Promote land use decisions that provide access to healthy food choices, including locally grown fresh fruits and vegetables throughout the county
- Open Space Protection/ Habitat Restoration: Preserve forested areas, agricultural lands, wildlife habitat and corridors, wetlands, watersheds, and groundwater recharge areas (e.g., existing conservation areas), that provide carbon sequestration benefits.



Waste



- **Waste Reduction and Diversion**

- Work with Solano County cities and other organizations to create a Zero Waste Plan and provide public education regarding Zero Waste strategies and implementation
- Large-scale recycling/composting: Target generators, conduct waste audits, provide training and other assistance, and collaborate with associations, service providers, unions and others (e.g., agricultural and industrial users) to increase diversion
- Producer product responsibility



Your Ideas for the Climate Action Plan



Community input is critical to
creating an effective Climate Action Plan

We appreciate your help in sharing this
information with your constituents,
families and friends

Contact: Matt Walsh

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