Phase 1
Climate Action Study

Board of Supervisors
September 6, 2011

Long Range Planning Division,
Planning and Development Department

Climate Action Strategy

- BOS Resolution 09-059
  - "Take immediate, cost effective and coordinated steps to reduce the County's collective greenhouse gas emissions."

- Climate Change Guiding Principles
  - Prioritizes protecting the community from effects of climate change.
  - Recognizes State goals and requirements.
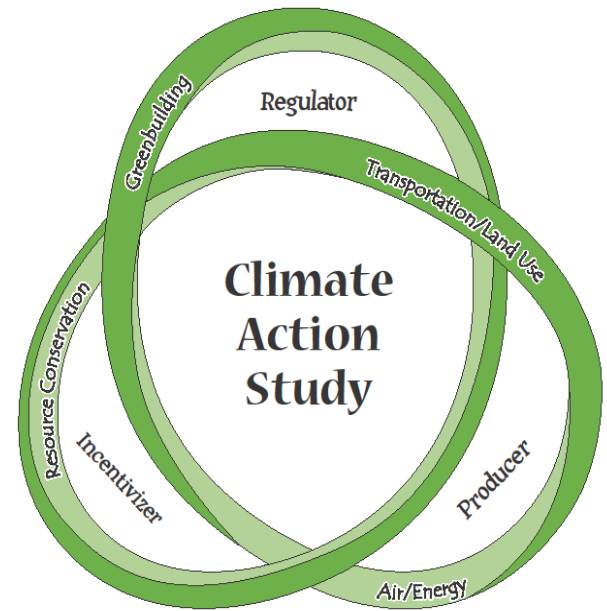
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Climate Action Strategy Path

Phase 1- Climate Action Study

- GHG Inventory and Forecast

- List of Current GHG-reducing activities

- Evaluation of potential ERMs

- Recommendations for Implementation

Phase 2 – Climate Action Plan

- Set GHG Reduction Target

- Select ERMs for Implementation
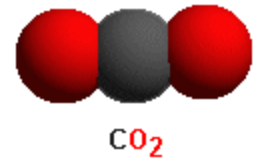
- CEQA - Programmatic Mitigation of GHG Emissions

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Legislation Matrix

Legislation	Year Approved	Summary

EO S-3-05	2005	• Established GHG emission reduction goals for the State:
		   • 2000 levels by 2010
		   • 1990 levels by 2020
		   • 80% below 1990 levels by 2050

AB 32 Sets target to reduce GHG emissions	2006	• Requires the State to reduce emissions back to 1990 levels by 2020 • In AB 32 Scoping Plan, CARB interprets this goal to be 15% below current levels • No direct mandate on local goverments – encourages local governments to set goals to match the State's
SB 97 Ties GHG analysis to CEQA	2007	• Requires that GHG emissions be analyzed under CEQA • Allows for programmatic mitigation under CEQA through environmental review and adoption of a Climate Action Plan.
SB 375 Implements one portion of AB 32	2008	• Implements one measure identified in the AB 32 Scoping Plan • Requires that Metropolitan Planning Organizations develop a Sustainable Communities Strategy

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GHG Emissions Inventory

- Needed to Complete a Climate Action Plan Under SB 97

- 7 GHGs Identified by the State (CO_2, CH_4, N_2O, HFCs, PFCs, SF_6, & NF_3)

- Baseline Inventory (1990 and 2007)

- Forecast (2020 and 2035)

CARBON DIOXIDE

CO_2

METHANE
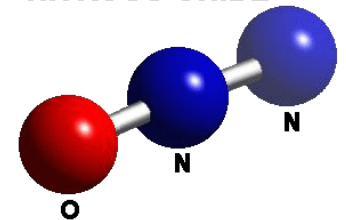
CH_4
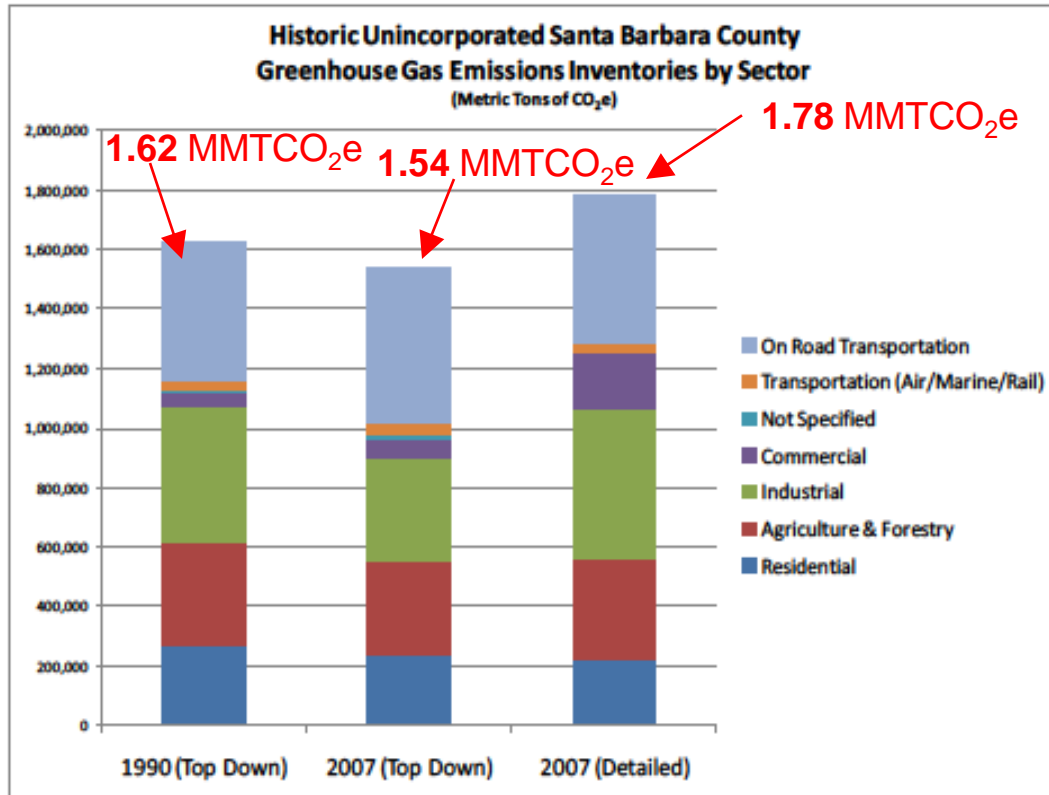
NITROUS OXIDE

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Current and Historic Trends

Historic Unincorporated Santa Barbara County Greenhouse Gas Emissions Inventories by Sector (Metric Tons of CO_2e)
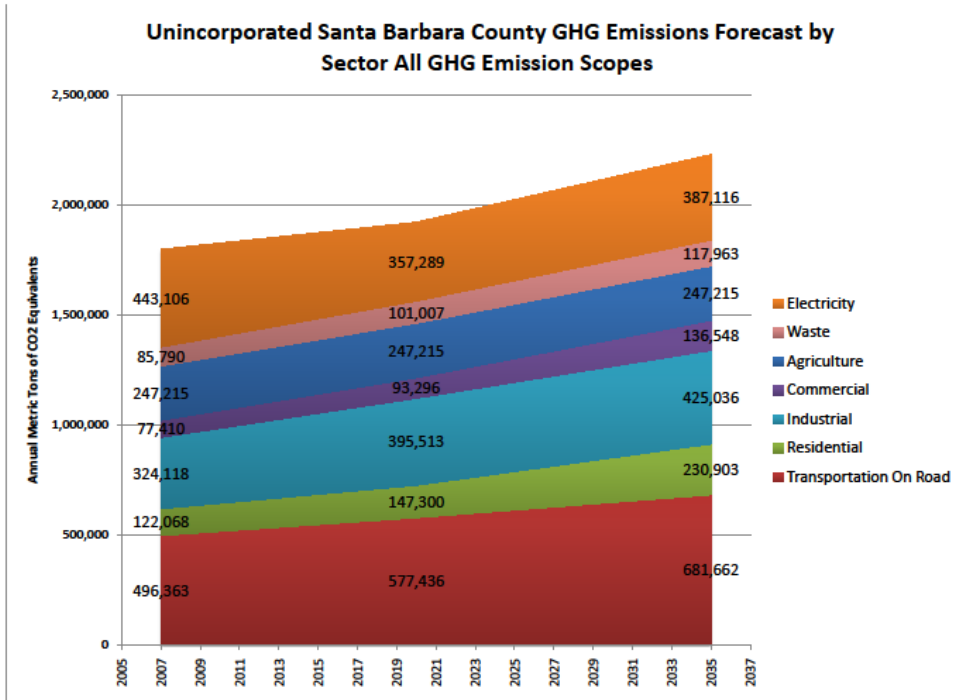
- Detailed vs Top Down
  - Detailed More Reliable

- Results
  - 5% Decrease from 1990 to 2007
  - 13% Decrease in Emissions from Stationary Sources
  - 2007 Detailed More Accurate

Forecast

Unincorporated Santa Barbara County GHG Emissions Forecast by Sector All GHG Emission Scopes
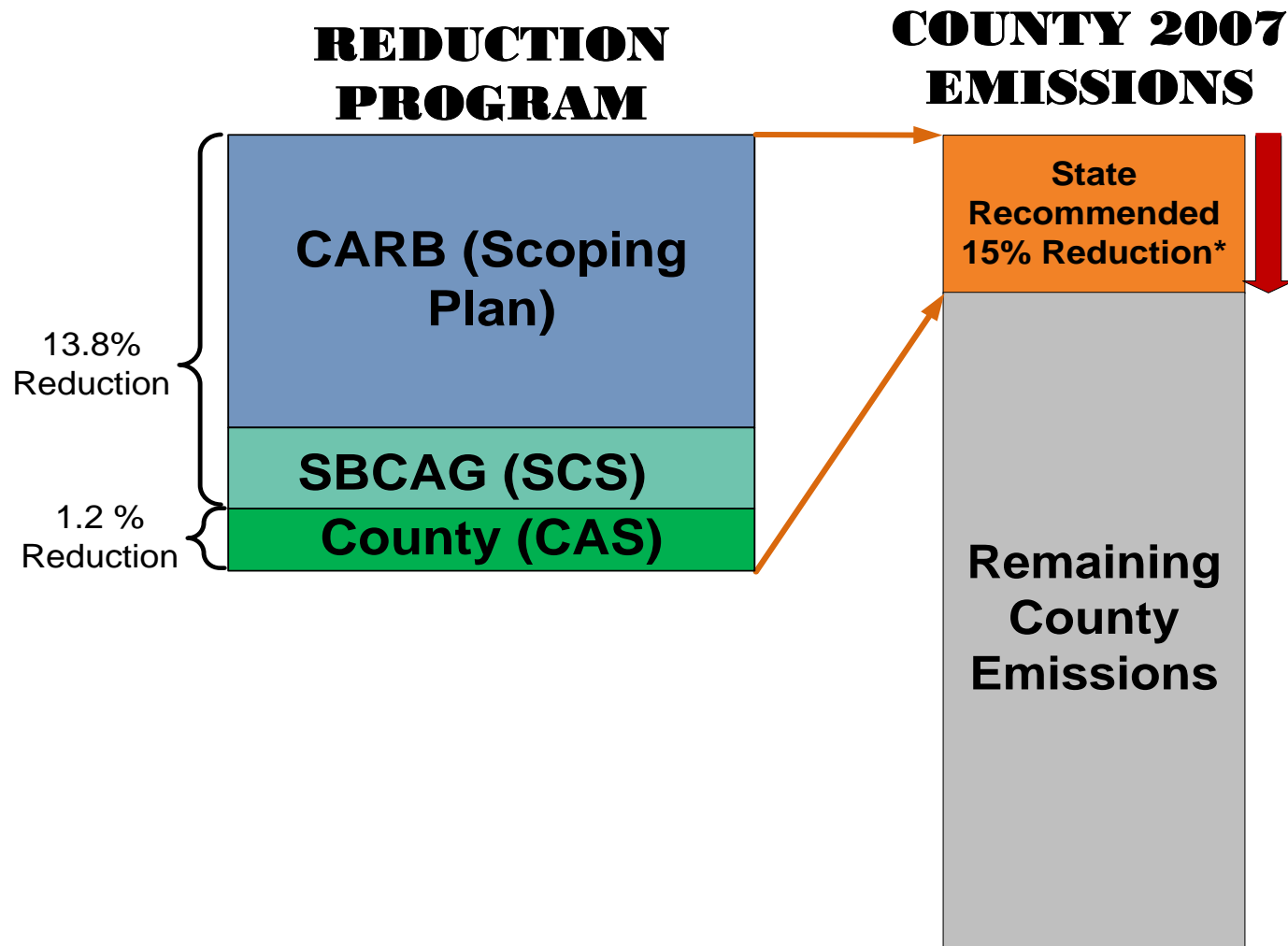
Results

- 7.3% Growth to 2020
- 24.4% Growth to 2035

Reason for Growth

- HFCs and PFCs in Residential and Commercial
- Population Growth
- Employment Growth

Emission Reduction Target

REDUCTION PROGRAM

COUNTY 2007 EMISSIONS

13.8% Reduction

1.2 % Reduction

CARB (Scoping Plan)

SBCAG (SCS)

County (CAS)

State Recommended 15% Reduction*

Remaining County Emissions

*One of many potential goals

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Emission Reduction Measures

- **33 Total Measures**

  - 20 Incentive & 13 Regulatory

  - Air and Energy, Land Use and Transportation, Green Building, Resource Conservation

- **Scored and Ranked the ERMs Based on:**

  - GHG Reduction Potential
  - Cost Effectiveness/Fiscal Impact
  - Simplicity of Administration
  - Local Control
  - Associated Co-benefits

- **Priority on Incentive Measures**

  - emPowerSBC

Public Participation

- Focused Outreach Summer 2010

- Public Workshop April 26, 2011
  - Range of Comments Received

- Montecito Planning Commission, May 25 2011

- County Planning Commission, June 2 2011

Benefits of a CAP

- Programmatic mitigation for Plans/Projects

- Co-benefits of ERMS

- Potential mandate from State
  - Reduce GHG emissions

- Basis for Adaptation Planning

Summary

- Study is Informational Only

- Climate Action Plan

  – CEQA Programmatic Mitigation (SB 97)

  – Set an Emission Reduction Target

  – Selection of Emission Reduction Measures

  – Develop Enhanced Building and Energy Codes tied to the IBRP

  – Program to Monitor Progress

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Recommendations

1. Receive the Climate Action Study

2. Find the Study exempt from CEQA

3. Direct staff to prepare a Climate Action Plan and seek funding to offset costs

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Thank you