Scott J. Anders
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University of San Diego School of Law

Understanding AB 32: Intent and Impact
Statewide Summit for Municipal Leaders on
Climate Change Mitigation and Adaptation

September 4, 2008
Presentation Overview

About EPIC
GHG Inventory Project Overview
Results
Implications for Local Governments
About EPIC

Academic and Research Center
  • University of San Diego School of Law

Mission
  • Educate the public and public officials concerning energy issues and policies;
  • Educate law school students about energy law and policy;
  • Conduct research and analysis on energy trends, policy options and their implications; and,
  • Encourage the use and development of less costly and more environmentally-friendly energy resources.
GHG Inventory Project Overview

Purpose

• Estimate GHG Emissions for San Diego County 1990-2006
• Project Emissions through 2020
• Calculate Emissions Reductions Targets
  - AB 32
  - Executive Order S-3-05
• Identify Strategies (Wedges) to Meet Theoretical Targets
• Calculate the Emissions Reductions for Strategies

www.sandiego.edu/epic
GHG Inventory Project Results

GHG Emissions for San Diego County (2006)

- On-Road Transportation: 46%
- Electricity: 25%
- Natural Gas End Uses: 9%
- Civil Aviation: 5%
- Industrial Processes and Products: 5%
- Off-Road Equipment and Vehicles: 4%
- Other Fuels/Other: 4%
- Agriculture/Forestry/Land Use: 2%
- Waste: 2%
- Rail/Water-Borne Navigation: 0.4%

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GHG Inventory Project Results

Electricity Emissions by Sector 2006

- Commercial: 44%
- Residential: 36%
- TCU: 9%
- Industrial: 8%
- Agricultural: 1%
- Street lighting: 1%
- Mining: 1%

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Hypothetical GHG Reduction Targets for the Electricity Category

- 2006 Levels
- Projected 2020 Levels
- AB 32 Target (2020)
- Executive Order S-3-05 Target (2050)

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GHG Inventory Project Results

Electricity Emissions Reduction Strategies
San Diego County

- RPS 20%
- Reduce Consumption 10%
- RPS 33%
- Cleaner Fossil Fuel Purchases
- Replace Boardman
- 400 MW Distributed PV
- 200 MW Cogeneration
- Net Emissions
- Theoretical AB 32 Target

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# Local Government Action - Municipality

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## Local Government Action - Community

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<th>Local Building Codes</th>
<th>Public Financing</th>
<th>Change of Ownership Policies</th>
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Source: www.sandiego.edu/epic
Questions?

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