

San Diego County GHG Inventory

Reducing Electricity Emissions



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

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Presentation Overview

About EPIC

GHG Inventory Project Overview

Results

Implications for Local Governments

www.sandiego.edu/epic



About EPIC

Academic and Research Center

- University of San Diego School of Law

Mission

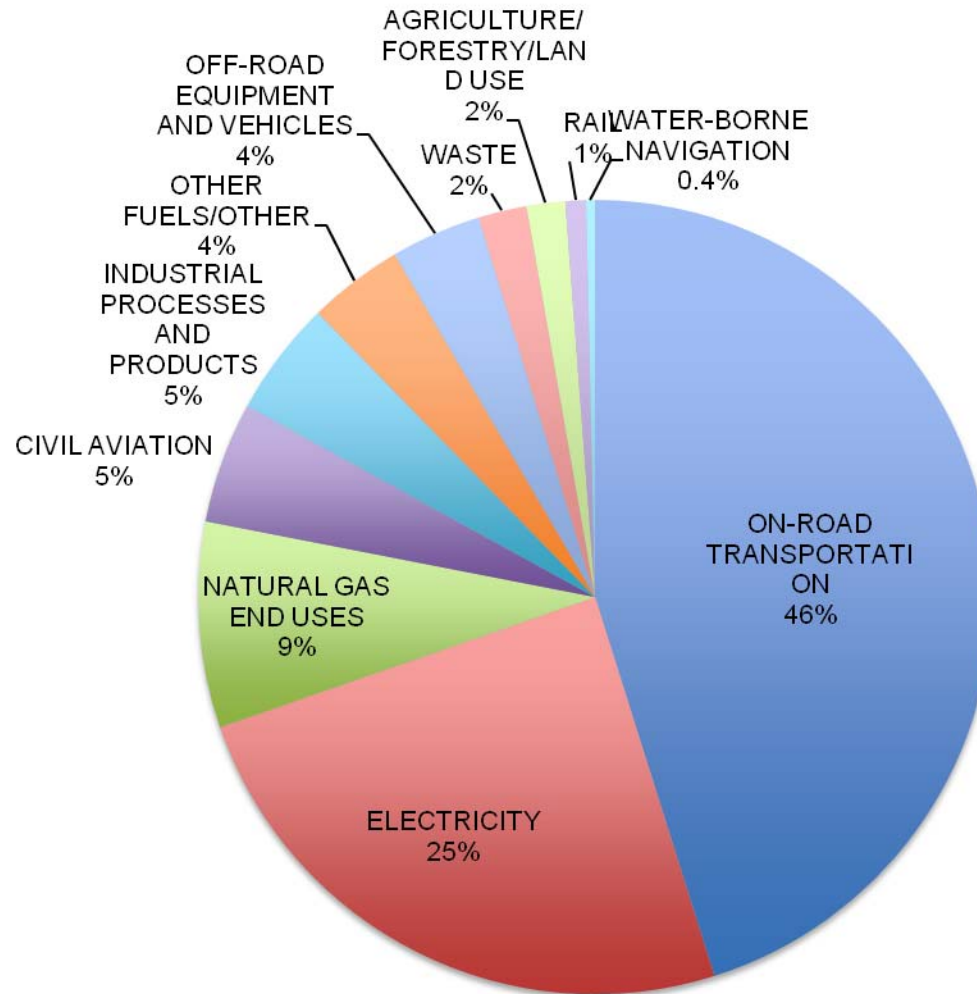
- Educate the public and public officials concerning energy issues and policies;
- Educate law school students about energy law and policy;
- Conduct research and analysis on energy trends, policy options and their implications; and,
- Encourage the use and development of less costly and more environmentally-friendly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

GHG Inventory Project Overview

Purpose

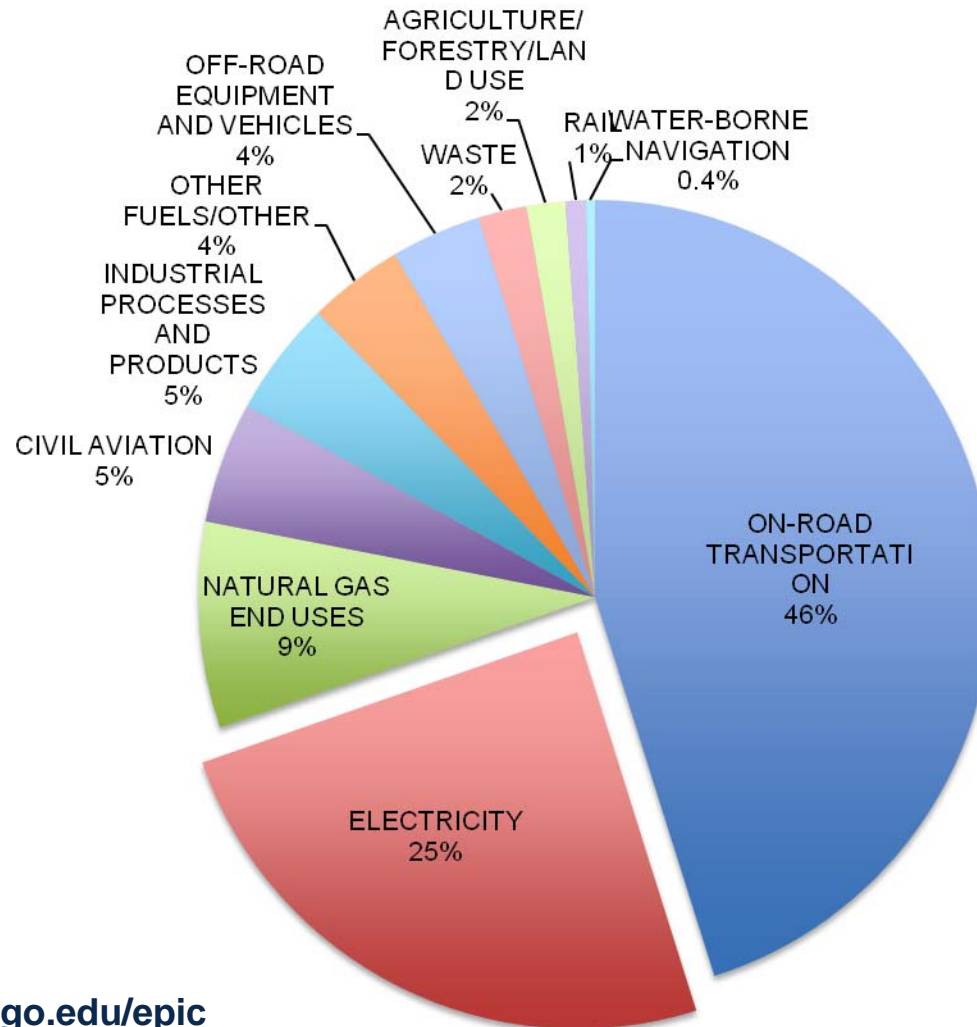
- Estimate GHG Emissions for San Diego County 1990-2006
- Project Emissions through 2020
- Calculate Emissions Reductions Targets
 - AB 32
 - Executive Order S-3-05
- Identify Strategies (Wedges) to Meet Theoretical Targets
- Calculate the Emissions Reductions for Strategies

GHG Inventory Project Results



GHG Emissions for San Diego County (2006)

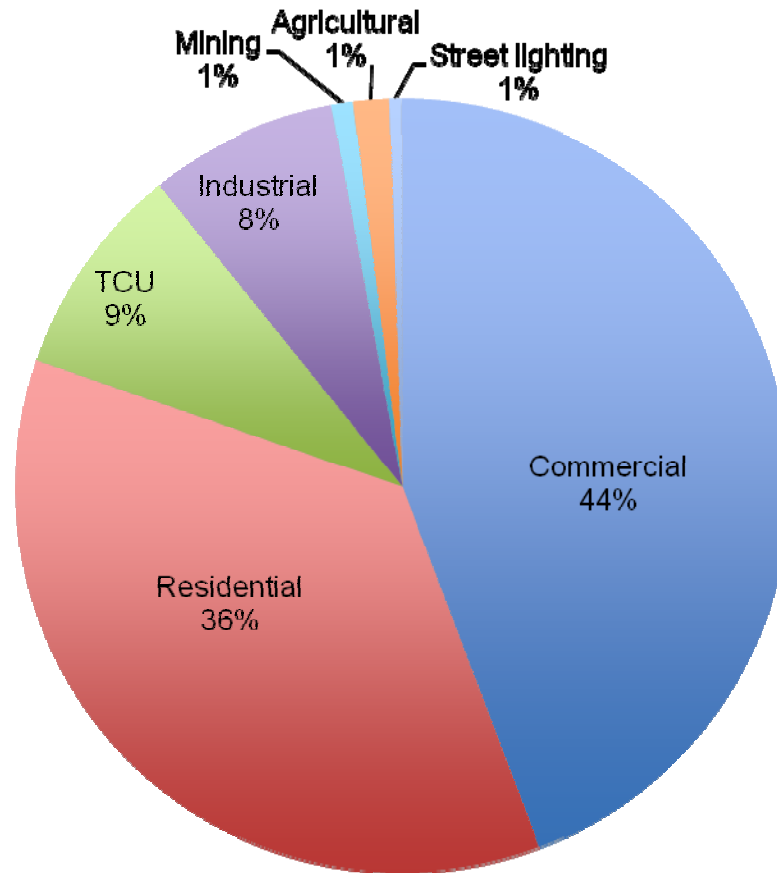
GHG Inventory Project Results



GHG Emissions for San Diego County (2006)

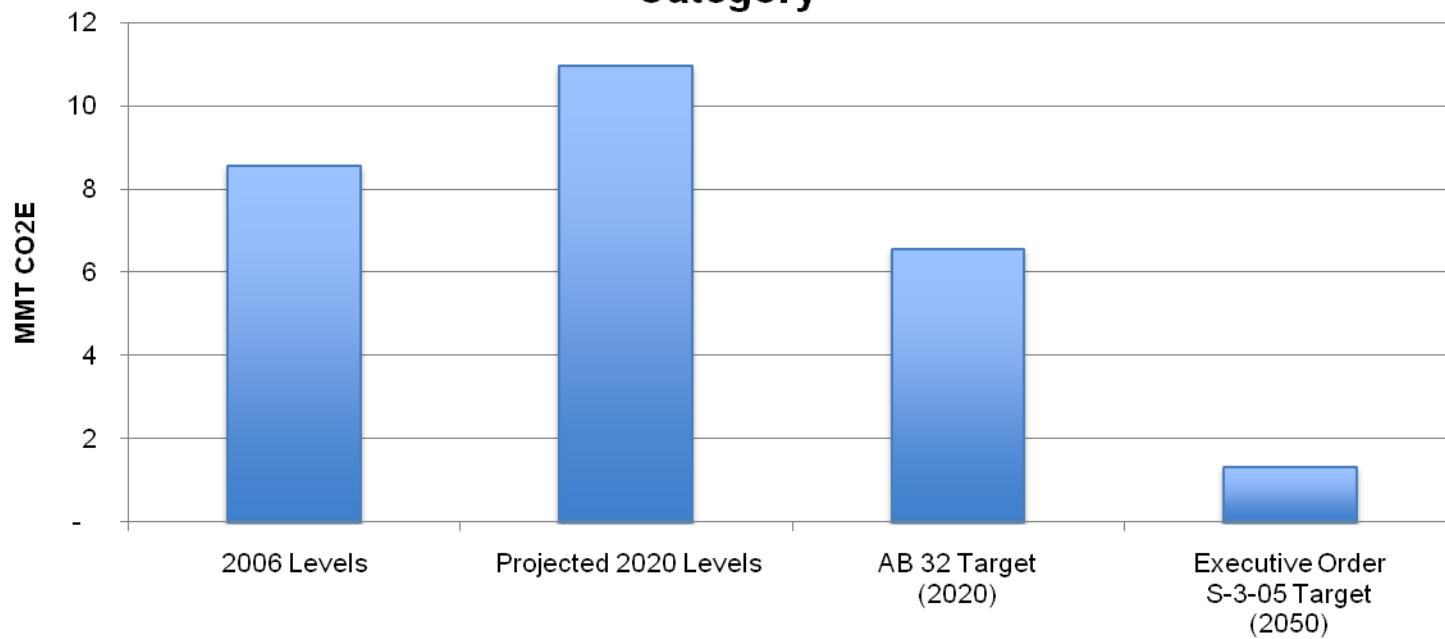
GHG Inventory Project Results

Electricity Emissions by Sector 2006



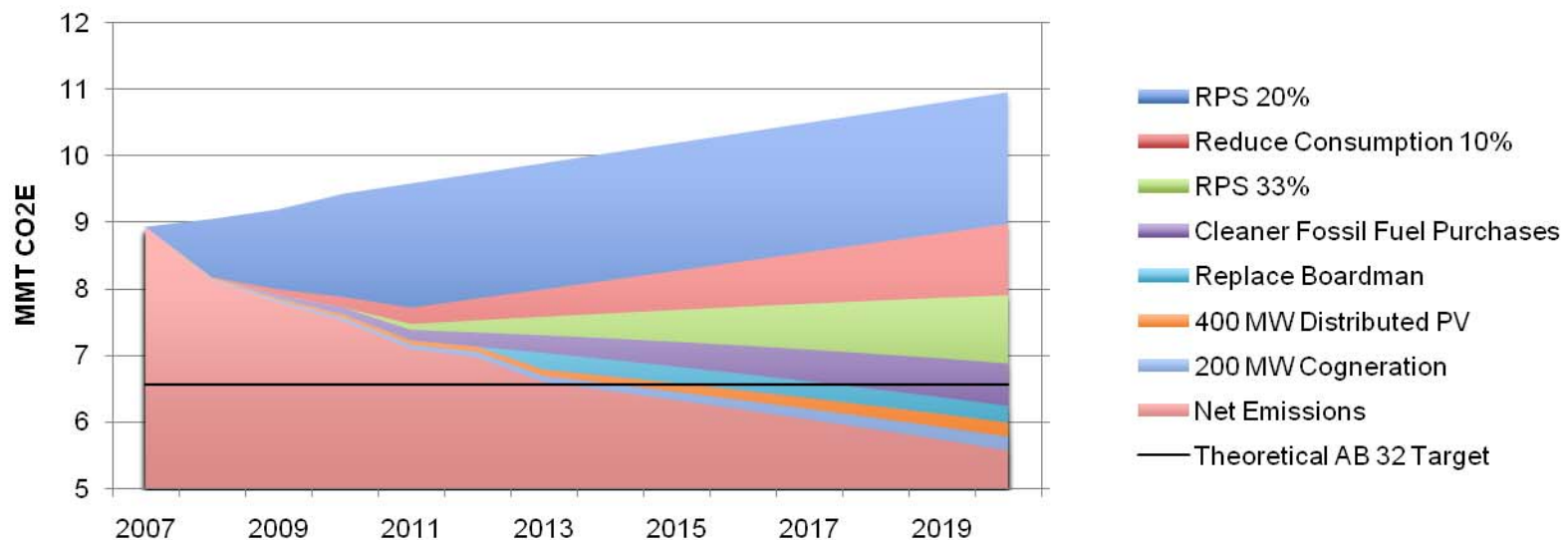
GHG Inventory Project Results

Hypothetical GHG Reduction Targets for the Electricity Category



GHG Inventory Project Results

Electricity Emissions Reduction Strategies San Diego County



Local Government Action - Municipality

Emission Reduction Wedge	Efficiency Projects	Renewable Energy Projects	City Procurement Policies	Energy Management Systems
Renewable Portfolio Standard 20%		X		
Renewable Portfolio Standard 33% (Incremental)		X		
Reduce Electricity Consumption 10%	X		X	X
Cleaner Electricity Purchases (≤ 1100 lbs/MWh)				
Replace Boardman Contract				
Increase CHP by 200 MW	X		X	X
California Solar Initiative 400 MW	X	X	X	X

Local Government Action - Community

Emission Reduction Wedge	Permitting Policies	Local Building Codes	Public Financing	Change of Ownership Policies	General Plan Updates	Innovative Incentive Programs
Renewable Portfolio Standard 20%	X	X				
Renewable Portfolio Standard 33% (Incremental)	X	X				
Reduce Electricity Consumption 10%	X	X	X	X	X	X
Cleaner Electricity Purchases (≤ 1100 lbs/MWh)						
Replace Boardman Contract						
Increase CHP by 200 MW	X	X	X	X	X	X
California Solar Initiative 400 MW	X	X	X	X	X	X

Questions?

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