

# 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**

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**Implications for Local Governments**

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# About EPIC

## Academic and Research Center

- University of San Diego School of Law

## Mission

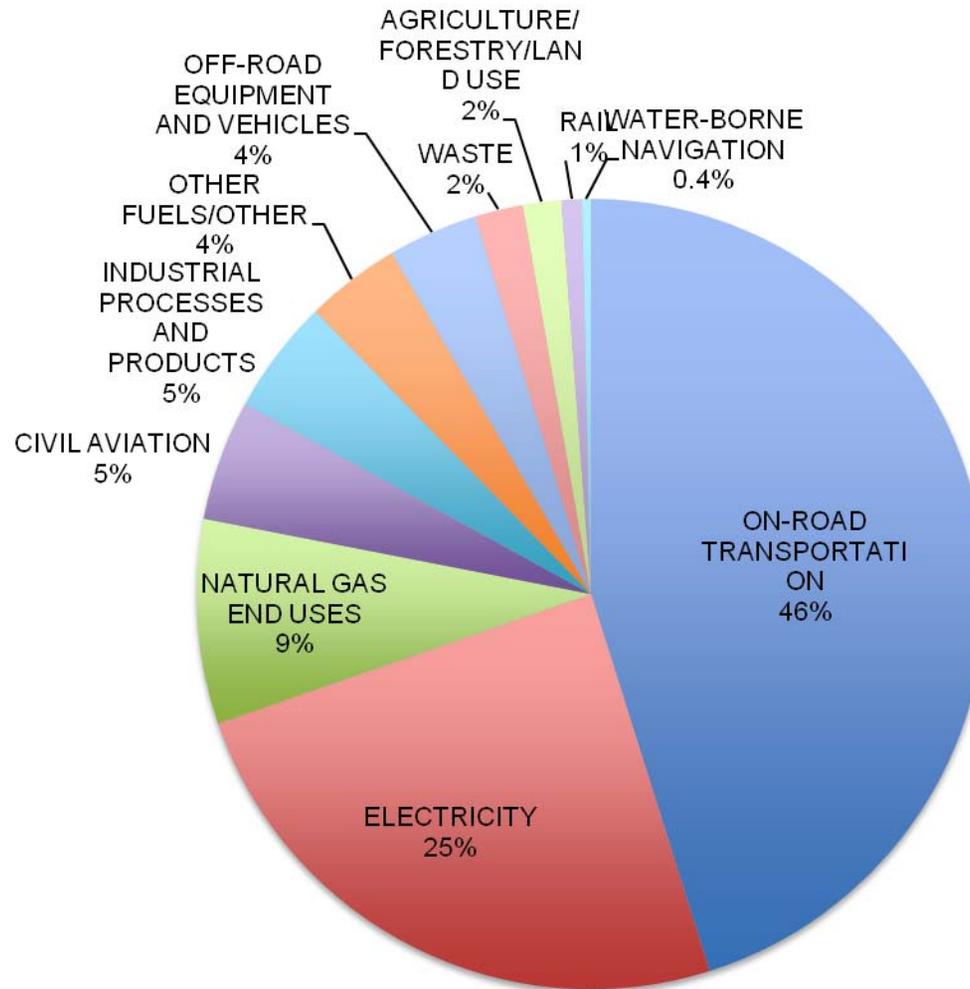
- Educate the public and public officials concerning energy issues and policies;
- Educate law school students about energy law and policy;
- Conduct research and analysis on energy trends, policy options and their implications; and,
- Encourage the use and development of less costly and more environmentally-friendly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

# GHG Inventory Project Overview

## Purpose

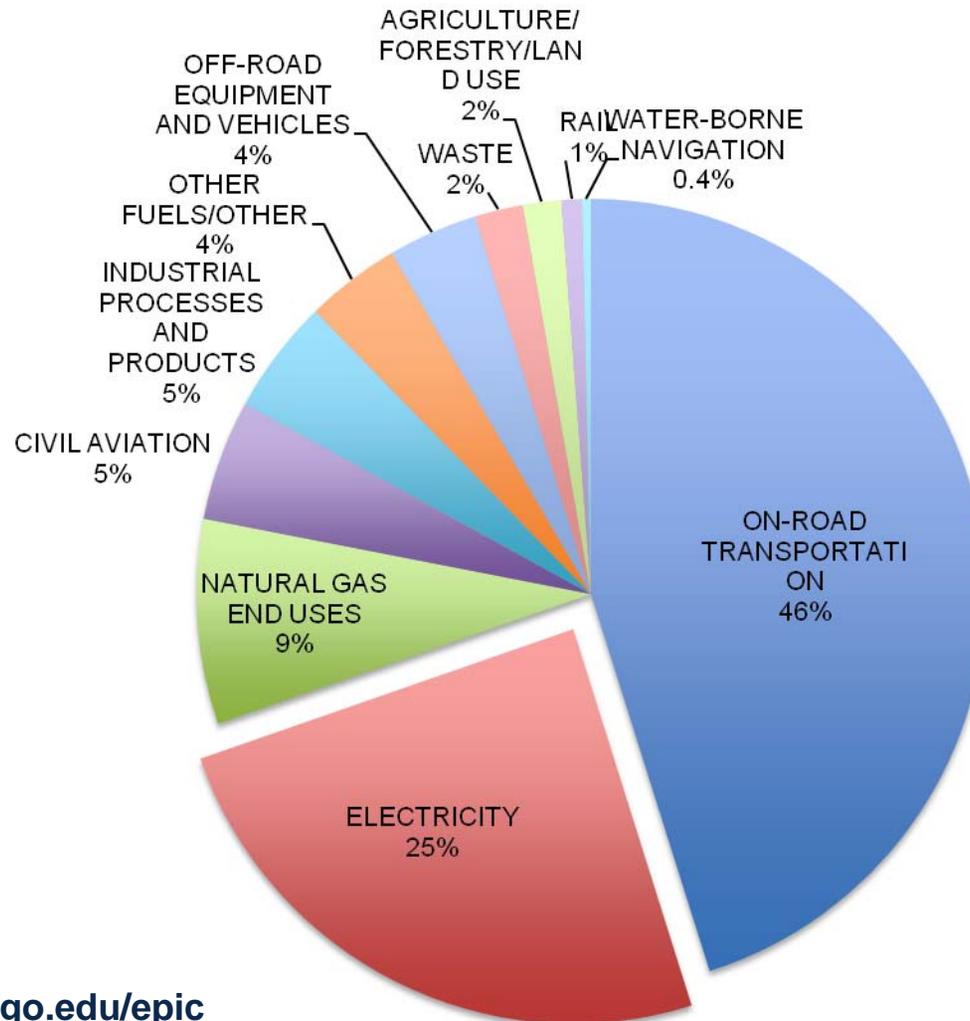
- Estimate GHG Emissions for San Diego County 1990-2006
- Project Emissions through 2020
- Calculate Emissions Reductions Targets
  - AB 32
  - Executive Order S-3-05
- Identify Strategies (Wedges) to Meet Theoretical Targets
- Calculate the Emissions Reductions for Strategies

# GHG Inventory Project Results



**GHG Emissions for San Diego County (2006)**

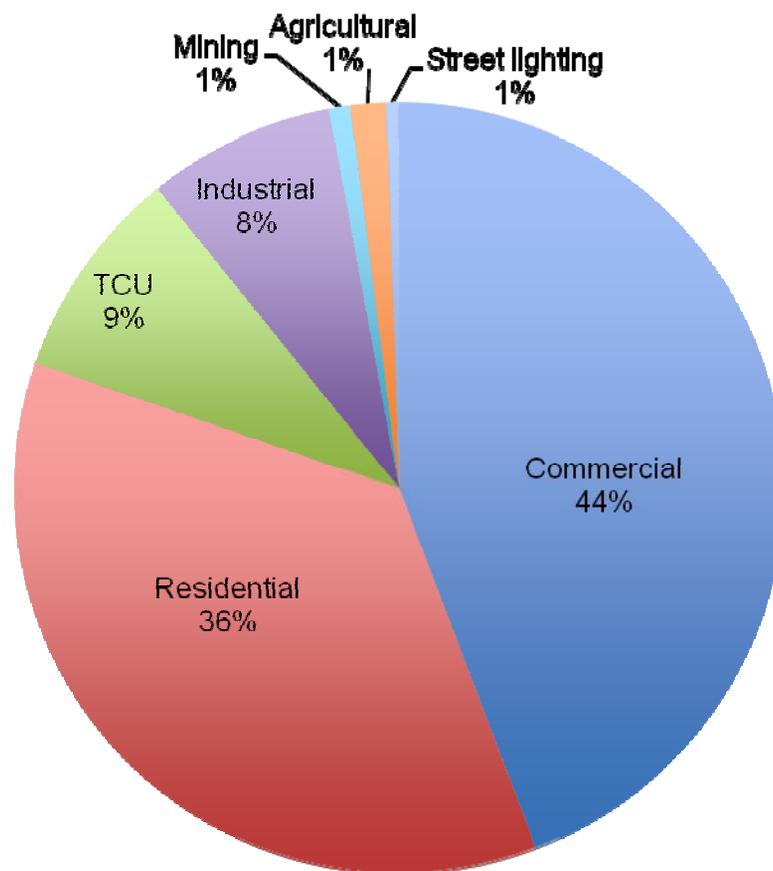
# GHG Inventory Project Results



**GHG Emissions for San Diego County (2006)**

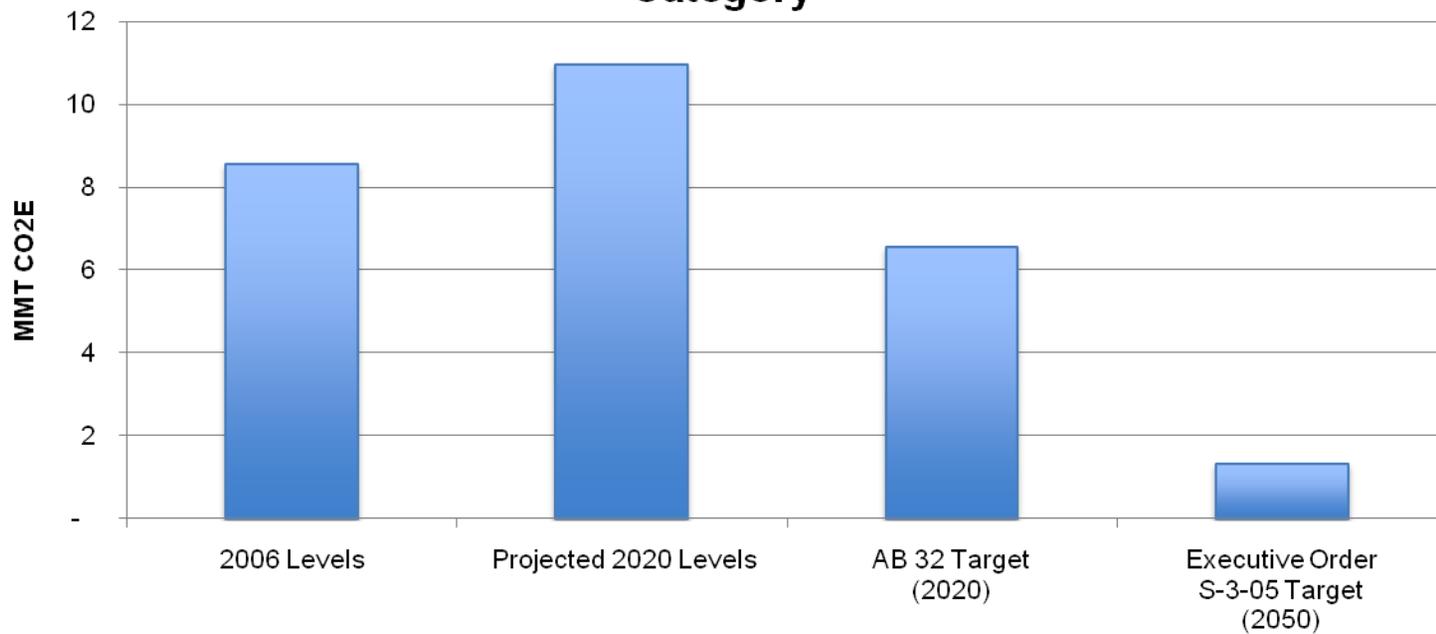
# GHG Inventory Project Results

## Electricity Emissions by Sector 2006



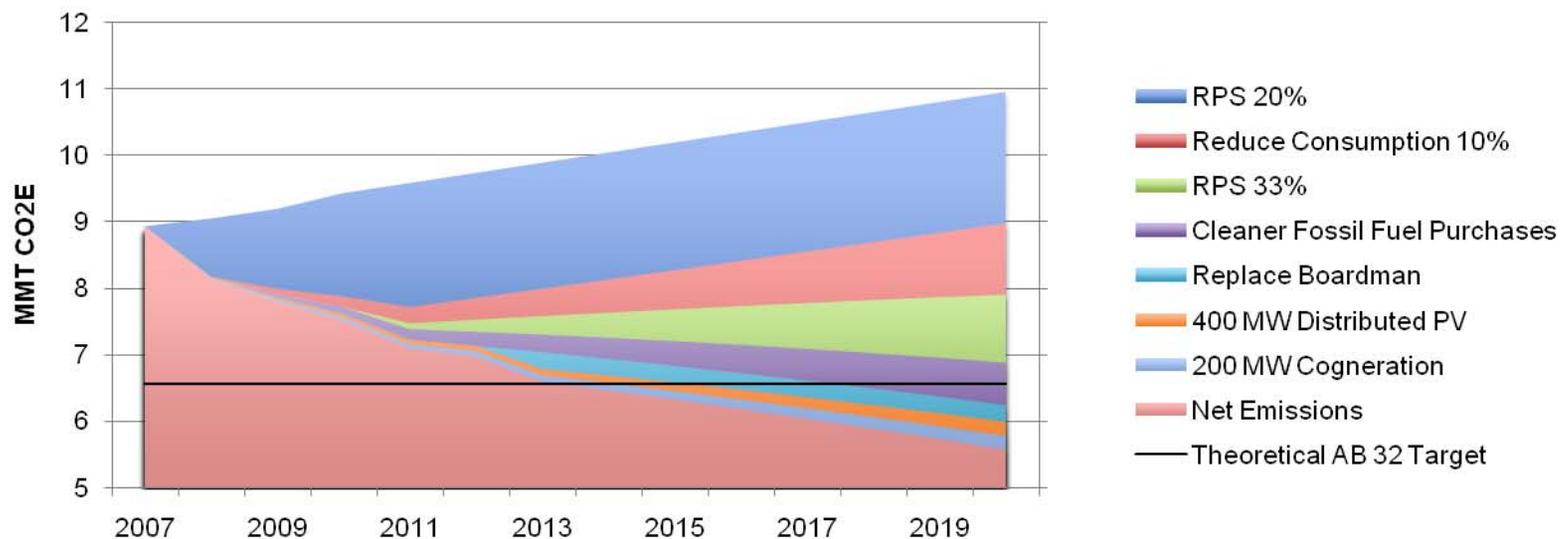
# GHG Inventory Project Results

## Hypothetical GHG Reduction Targets for the Electricity Category



# GHG Inventory Project Results

## Electricity Emissions Reduction Strategies San Diego County



# Local Government Action - Municipality

<b>Emission Reduction Wedge</b>	<b>Efficiency Projects</b>	<b>Renewable Energy Projects</b>	<b>City Procurement Policies</b>	<b>Energy Management Systems</b>
Renewable Portfolio Standard 20%		X		
Renewable Portfolio Standard 33% (Incremental)		X		
Reduce Electricity Consumption 10%	X		X	X
Cleaner Electricity Purchases ( $\leq 1100$ 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

<b>Emission Reduction Wedge</b>	<b>Permitting Policies</b>	<b>Local Building Codes</b>	<b>Public Financing</b>	<b>Change of Ownership Policies</b>	<b>General Plan Updates</b>	<b>Innovative Incentive Programs</b>
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 ( $\leq 1100$ 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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