



OVERVIEW OF SANDAG REGIONAL CLIMATE ACTION PLAN

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2009 Binational Seminar:

*Challenges & Opportunities
for Crossborder Climate Change Collaboration*

Presentation Overview



- California climate change policies
- San Diego climate change planning
- SANDAG Regional Climate Action Plan
- Binational Considerations
- Next steps & Final Thoughts

What's Being Done in California



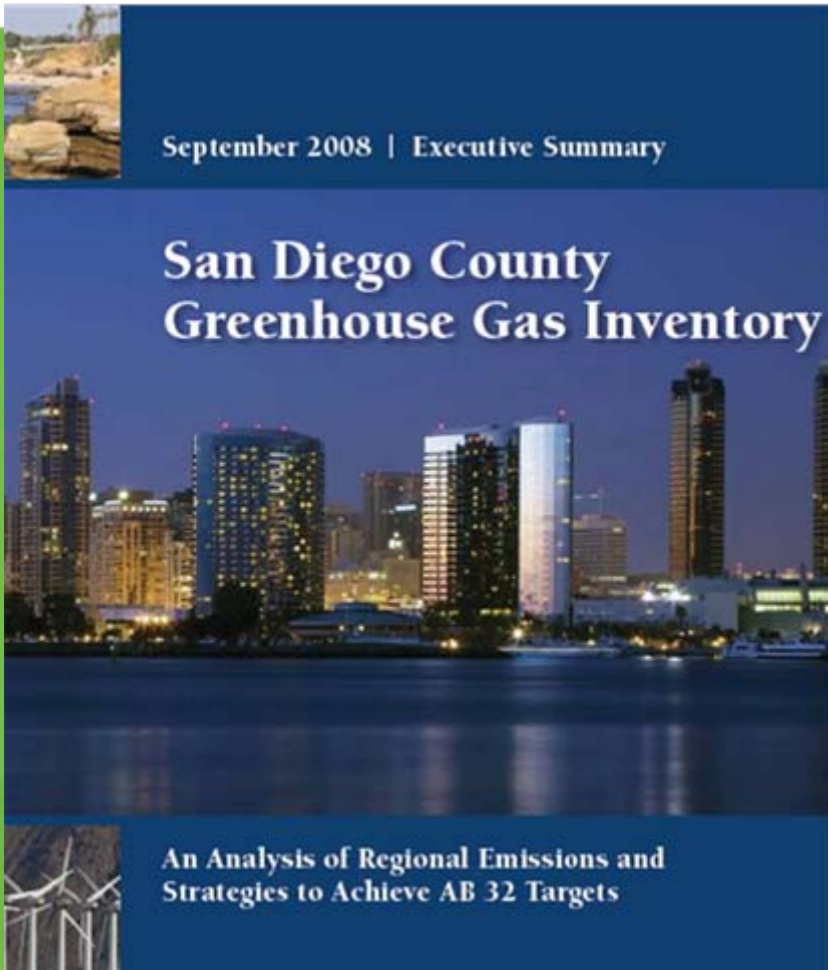
- Governor Schwarzenegger issues Executive Order S-3-05 (2005)
- California Assembly Bill 32
Global Warming Solutions Act of 2006
 - Reduce GHG emissions economy-wide
- California Senate Bill 375 (2008)
 - Reduce regional GHG emissions from passenger vehicles and light trucks
- California Climate Change Scoping Plan (2008)

What's Being Done in the San Diego Region

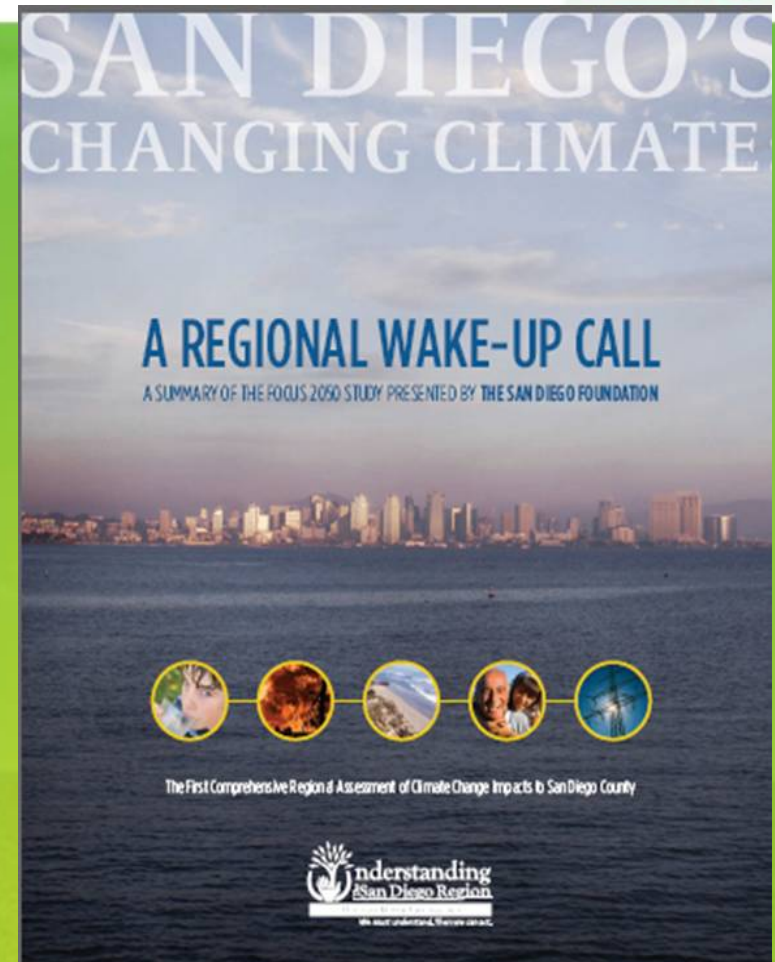


- Energy Policy Initiatives Center (EPIC) at University of San Diego
 - San Diego County GHG Inventory Report
 - Climate Change policy report under development
- San Diego Foundation Focus 2050 Study
- Two SANDAG plans under development
 - Regional Climate Action Plan
 - Regional Energy Strategy Update
- Local government climate change plans (Cities of Chula Vista and San Diego)

San Diego Regional Climate Change Studies

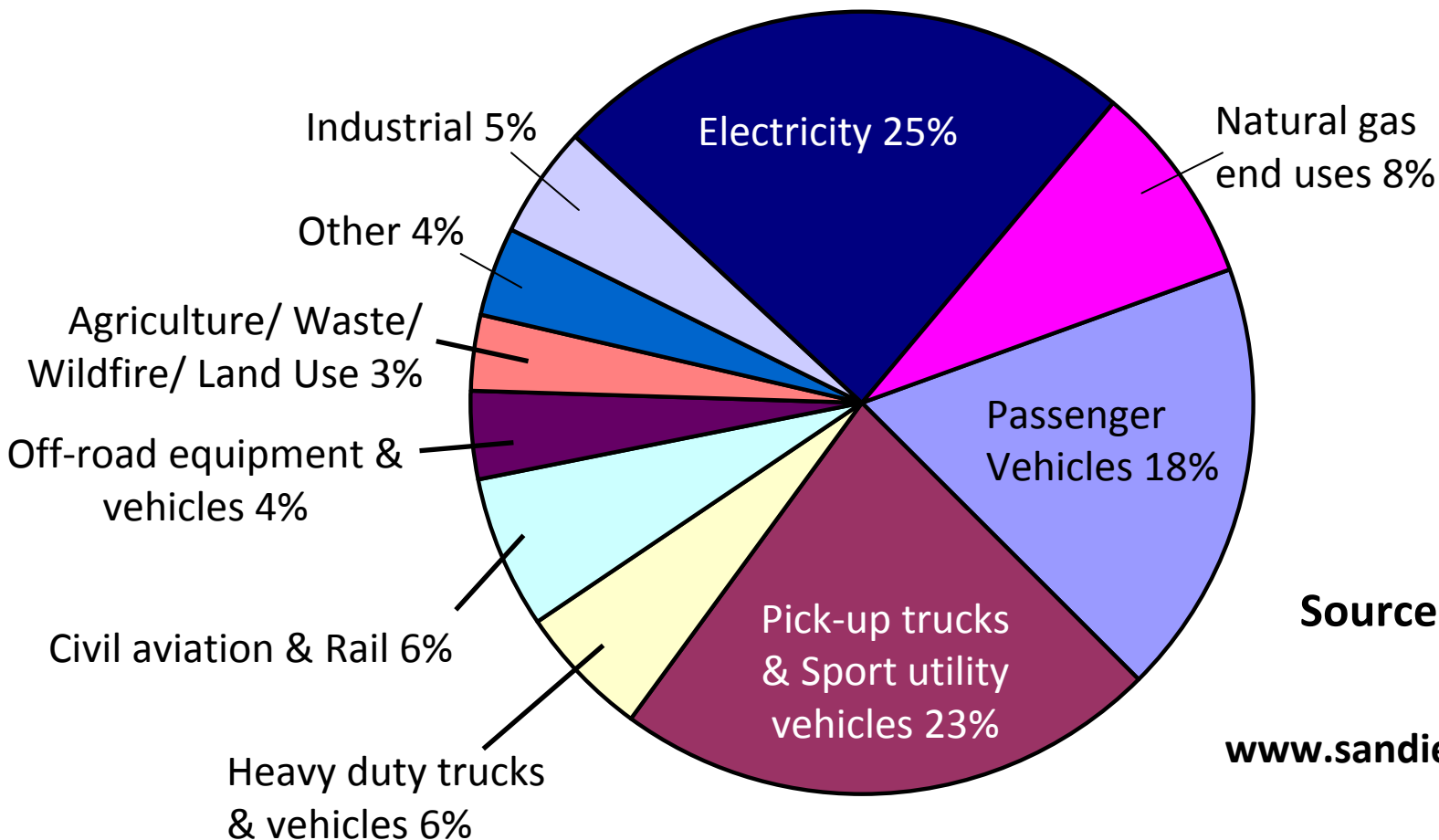


www.sandiego.edu/epic



www.sdfoundation.org

San Diego Regional GHG Emissions by Sector



Source: EPIC 2008

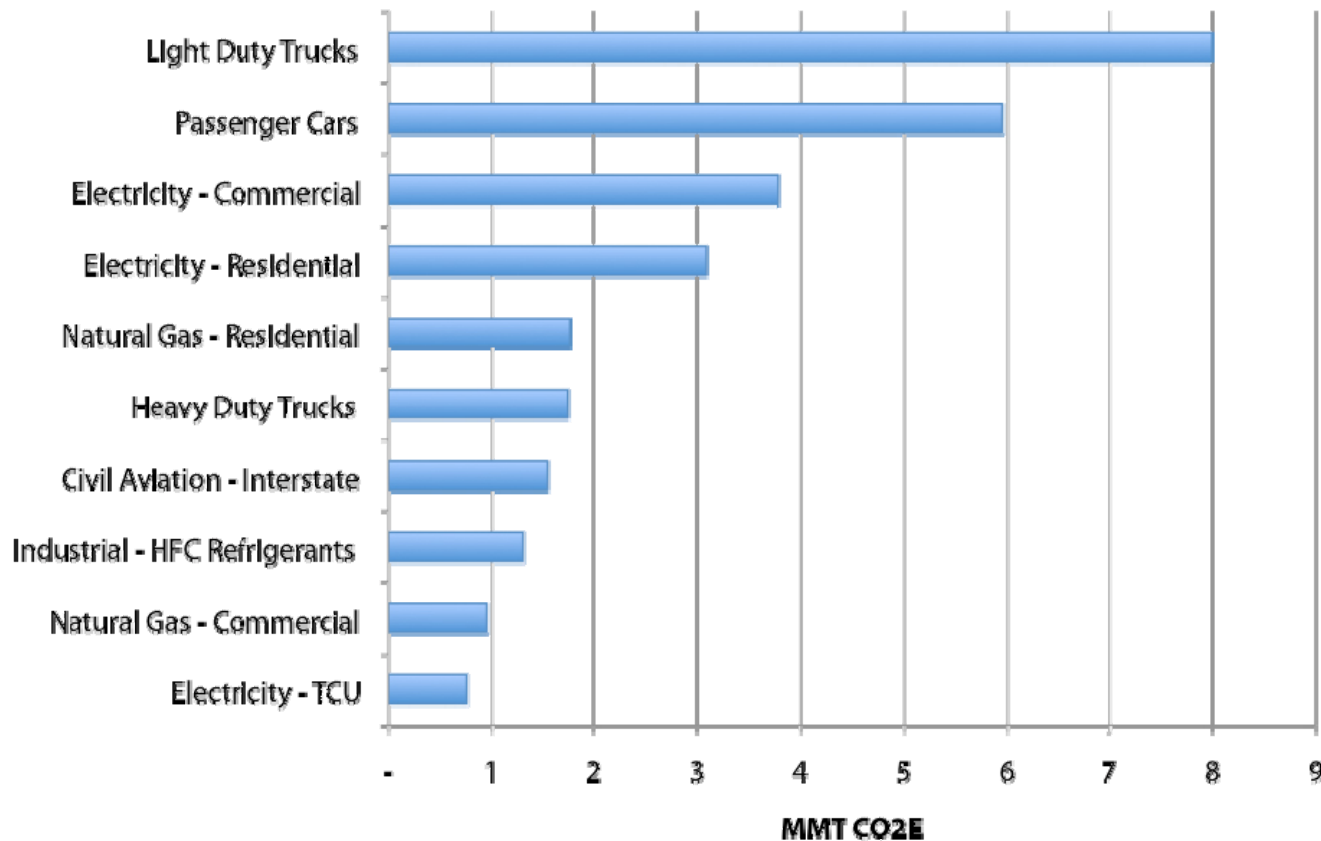
2006 Data

www.sandiego.edu/epic

EPIC Study: Highest GHG Emitters for San Diego County



**Top 10 GHG Emitting Subcategories
San Diego County (2006)**



Source: EPIC 2008

Regional Climate Action Plan

Purpose



- Analyze and recommend potential policies that the San Diego region can support to reduce GHG emissions
- Help inform development of next SANDAG Regional Transportation Plan Update
- Focus on measures that regional and local governments can influence

RCAP Components



- Guiding Principles that serve as framework for climate planning
- Data from *GHG Emissions Inventory for San Diego County* (EPIC)
- Impacts and adaptation from *Regional Focus 2050 Study* (SD Foundation)
- GHG reduction goals and policy measures
- Performance Measures to track progress

Regional Climate Action Plan

Draft Guiding Principle



Climate change is treated as a serious global problem requiring all levels of government, including SANDAG and its member agencies, to engage in immediate and sustained actions to mitigate and reduce GHG emissions and prepare for the impacts of a changing climate

Policy Measures to Reduce GHG Emissions in Electricity



- Support increased electricity supply from renewable energy sources
 - Wind, solar, geothermal, biogas/biomass
- Support highly efficient natural gas power plants
 - Retire inefficient, old natural gas plants
- Support improvements to electricity grid to reduce losses and better plan for energy needs (smart grid)

Policy Measures to Reduce GHG Emissions in Buildings



- Increase energy efficiency retrofits of residential and commercial buildings (e.g., lighting, heating, air-conditioning, insulation)
- Support financing and technical programs to help home and business owners purchase energy-saving equipment
- Promote new building construction better than California building energy codes
- Educate building officials and builders on energy codes and prioritize enforcement

Policy Measures to Reduce GHG Emissions in Transportation

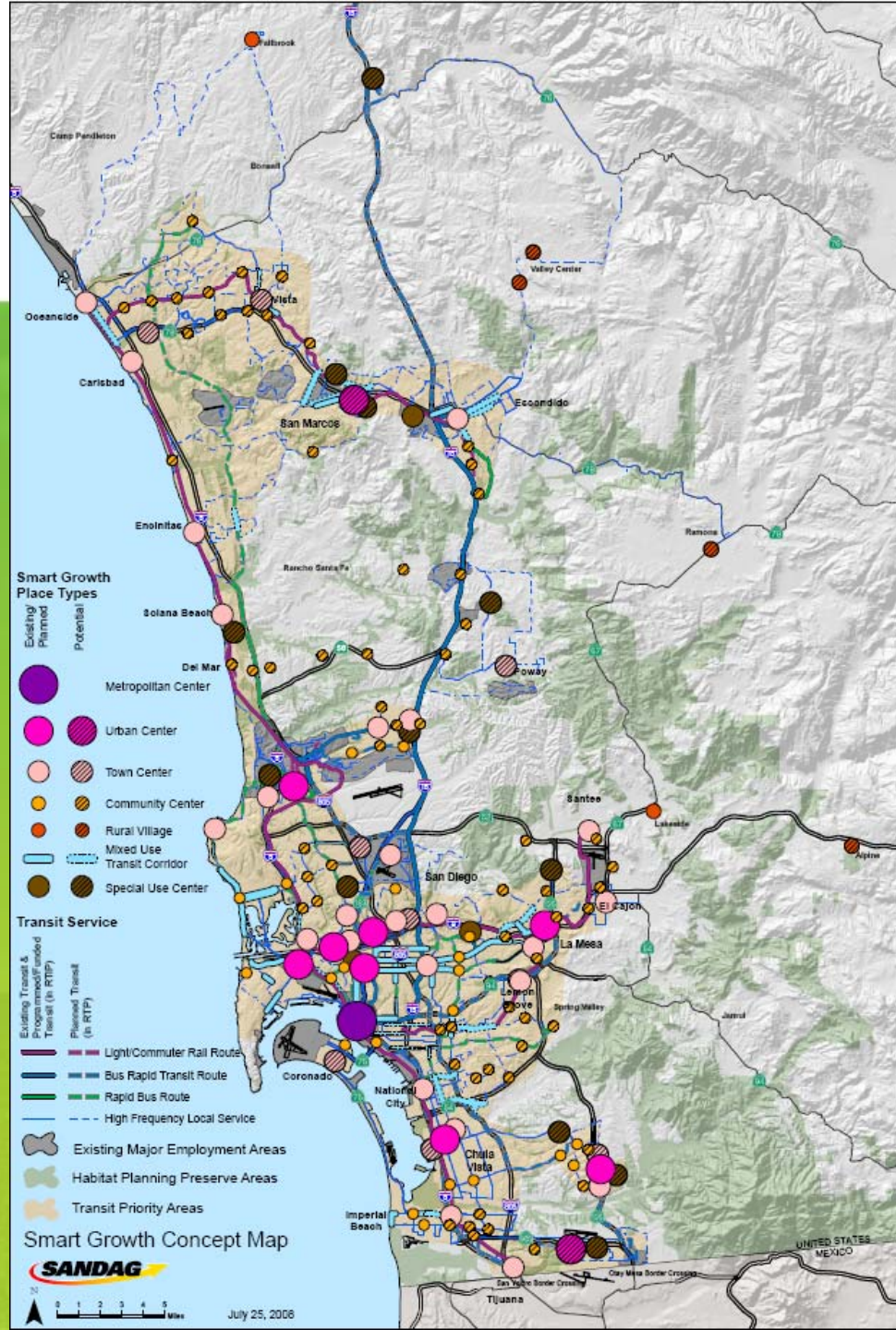


1. Improve vehicle efficiency
 - Reduce fuel consumption in new vehicles
 - Increase miles per gallon
2. Decrease carbon intensity of transportation fuels
 - Offer more fuel types: increase use of electricity, natural gas, biofuels as transportation fuels
3. Improve vehicle travel
 - Reduce congestion and idling
 - Improve transit and other mobility options
 - Support smart growth planning that reduces vehicle trips

San Diego Regional Smart Growth Concept Map

Smart Growth Areas

Existing/Planned	Potential	
		Metropolitan Center
		Urban Center
		Town Center
		Community Center
		Rural Village* (with core area)
		Mixed Use Transit Corridor
		Special Use Center



Transportation Sector – Vehicle Travel Policy Measures



- Smart growth development near transit
- Smart growth-transit area parking fees
- Biking and pedestrian improvements
- Motorist user fee
 - Examples include: tolling, congestion pricing, fuel tax, carbon tax, trip distance fee
- Telecommuting
- Reduce vehicle speed limit
- Ridesharing and vanpooling

Regional Climate Action Plan

Next Steps



- Integrating smart growth enhancements to SANDAG travel model
- Draft plan available October 2009 for public comment
- Public workshop in early October 2009
- SANDAG Board to consider plan adoption in December 2009
- Distribute plan and make available on SANDAG website: www.sandag.org

Binational Considerations for Climate Change Planning



- Within SANDAG, will be seeking input for San Diego Regional Energy Strategy Update and Regional Climate Action Plan from Borders Committee
- In past year, participated in multiple meetings and events that increased communications on climate change issue
- San Diego and Baja California climate plans to be completed by 2010 -- opportunities for collaboration could grow from these efforts

Climate Change Solutions to Come from All Levels and Sectors



International ♦ Federal
State ♦ Regional ♦ Local
Individual ♦ Community Based
Non-Profit ♦ Business

Questions?



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