

AB 32: Transition To A Clean Energy Economy

**CAPCOA Climate Conference
August 30-31, 2010
"Harmonizing a Path Toward the Future"**

What is AB 32?

The Global Warming Solutions Act of 2006

AB 32 established the first U.S. economy wide climate change regulatory program

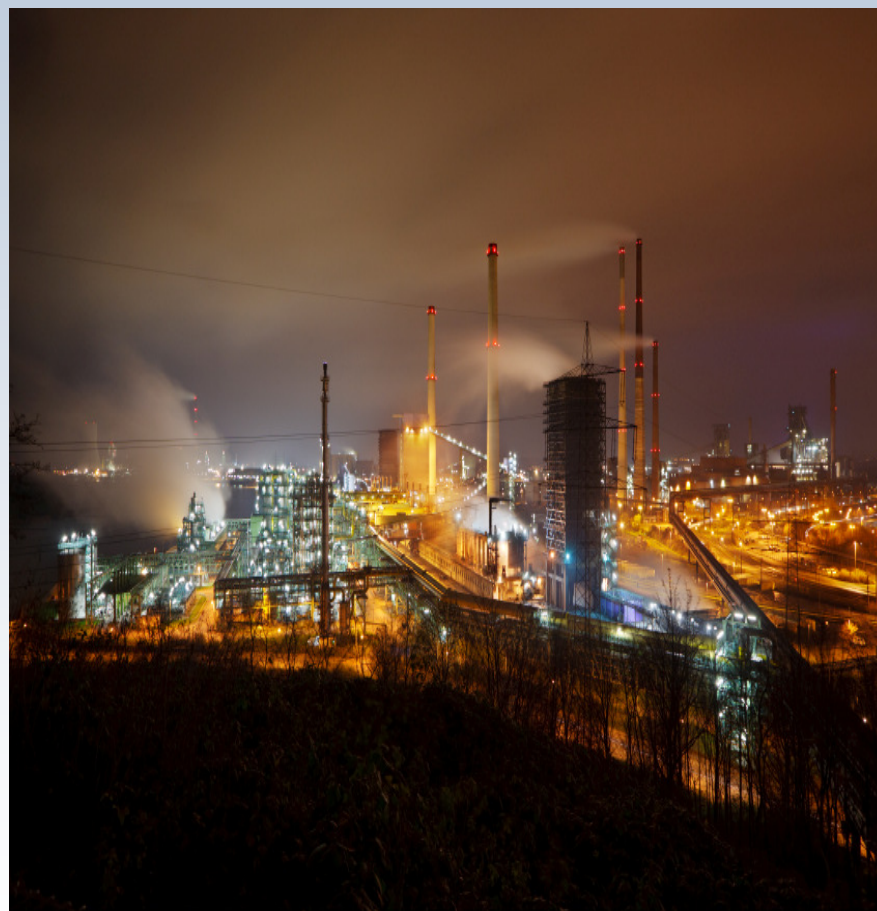
- Sets GHG emissions cap for 2020 at 1990 level, an 11% reduction from 2006 levels
- Points way toward 80% reduction by 2050
- Scoping Plan provides framework to meet GHG emissions reduction target
 - 14 of 30 ARB measures approved to date, reducing GHG emissions by 78 MMTCO₂e in 2020

California Environmental Protection Agency

 **Air Resources Board**

Inside the Scoping Plan

- Major contributions to greenhouse gas emissions – and reductions – from transportation, electricity generation & use, and large industrial sources.
- Smaller contributions from landfills and recycling, agriculture, forestry, potent gases and other sectors.

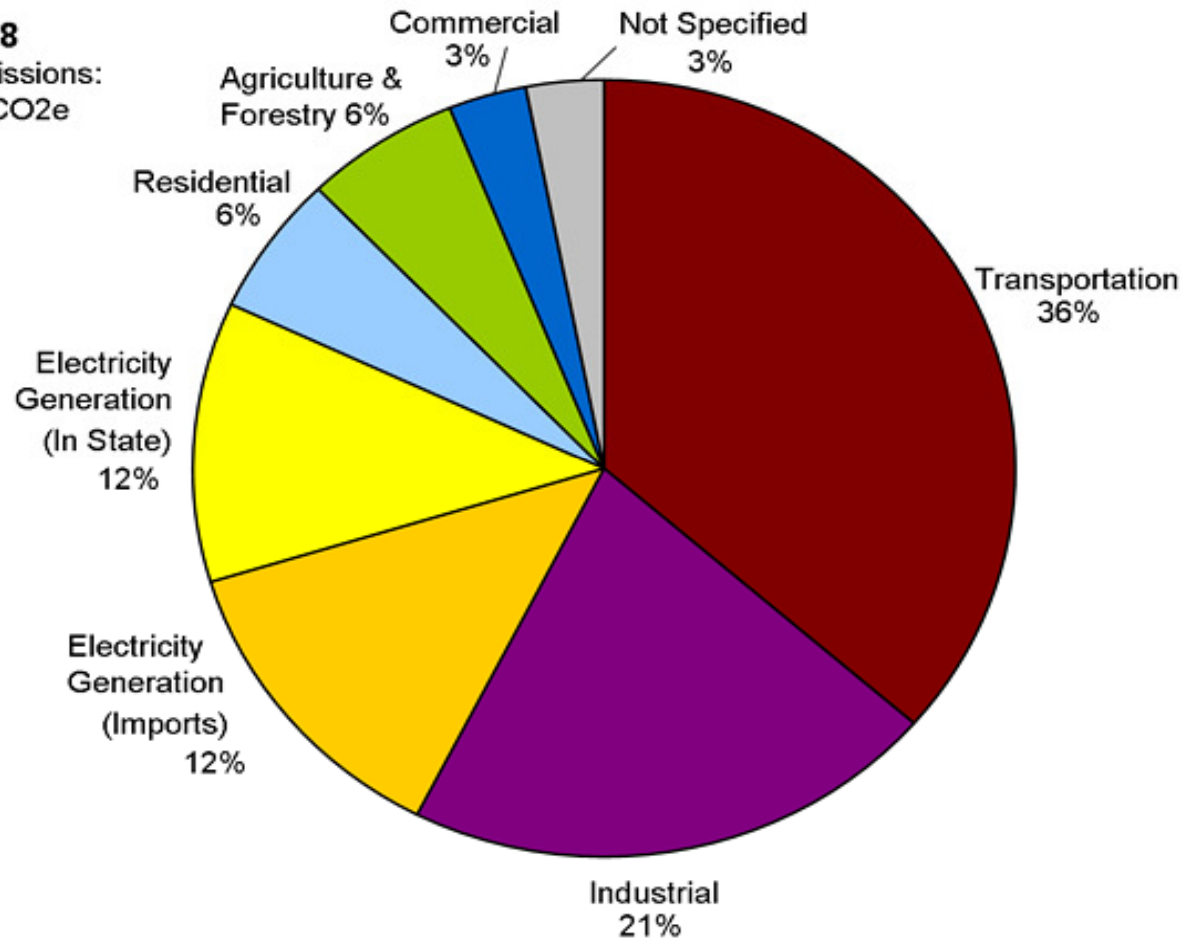


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2008 GHG Emissions by Sector

Year 2008
Total gross emissions:
477.7 MMT CO₂e



Source: ARB 2000-2008 emission inventory

Getting to 2020 (and Beyond)

Combination of market mechanisms, regulations, and voluntary measures

- Cap-and-trade program covers 85 percent of emissions
- Other measures such as:
 - Energy efficiency
 - Renewable energy (33% by 2020)
 - Cleaner Fuels
 - Cleaner Transport
 - Smarter Development
 - Reduction of potent gases
 - Voluntary actions

Activities to Support AB 32 Implementation

- ARRA funding seeds energy efficiency, climate planning actions, research, etc.
- Green economy, job creation and workforce development
- Resources!!! www.CoolCalifornia.org
- Small business success and outreach
(e.g. <http://coolcalifornia.org/article/small-biz-toolkit>)
- Local government tools/guidance
(e.g. <http://coolcalifornia.org/article/local-gov-toolkit>)

California Environmental Protection Agency

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Setting the Record Straight on AB 32

[click here to find out more](#)

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California's Clean Energy Future

- > [Summer 2010 Clean Energy Newsletter](#)
- > [California's Climate Plan](#)
- > [Setting the Record Straight on AB 32](#)
- > [What They're Saying...About AB 32: Clean Energy](#)

Videos



Jobs

- [Green Jobs](#)
- [Green Jobs Guidebook](#)
- [Clean Energy Jobs](#)
- [Infrastructure Improvements](#)
- [Workforce Training](#)
- [Career Centers/Training](#)
- [Recovery Funding](#)

Communities

- [Community Organizations](#)
- [Senate Bill 375 Overview](#)
- [Sustainable Communities](#)
- [Best Practices](#)
- [Small Business Success Stories](#)
- [Small Business Toolkit](#)
- [On-Bill Financing](#)

Consumers

- [Money Saving Actions](#)
- [Schools Toolkit](#)
- [Calculate Your Carbon Footprint](#)
- [Green Buildings](#)
- [Energy Efficiency](#)
- [Clean Vehicles](#)
- [Rebate\\$ and Incentive\\$](#)



Progress

- California is on track to a low carbon economy
 - Venture capital investment in clean technology
 - Growth in green business
 - Increase in green jobs
 - Increase in renewable energy generation capacity



Sources: Next10/SARTA/UC Berkeley, ESP, EDD, CERES, US Conference of Mayors, UNEP, Apollo Alliance, SPUR, Pew Center

Financing & Support

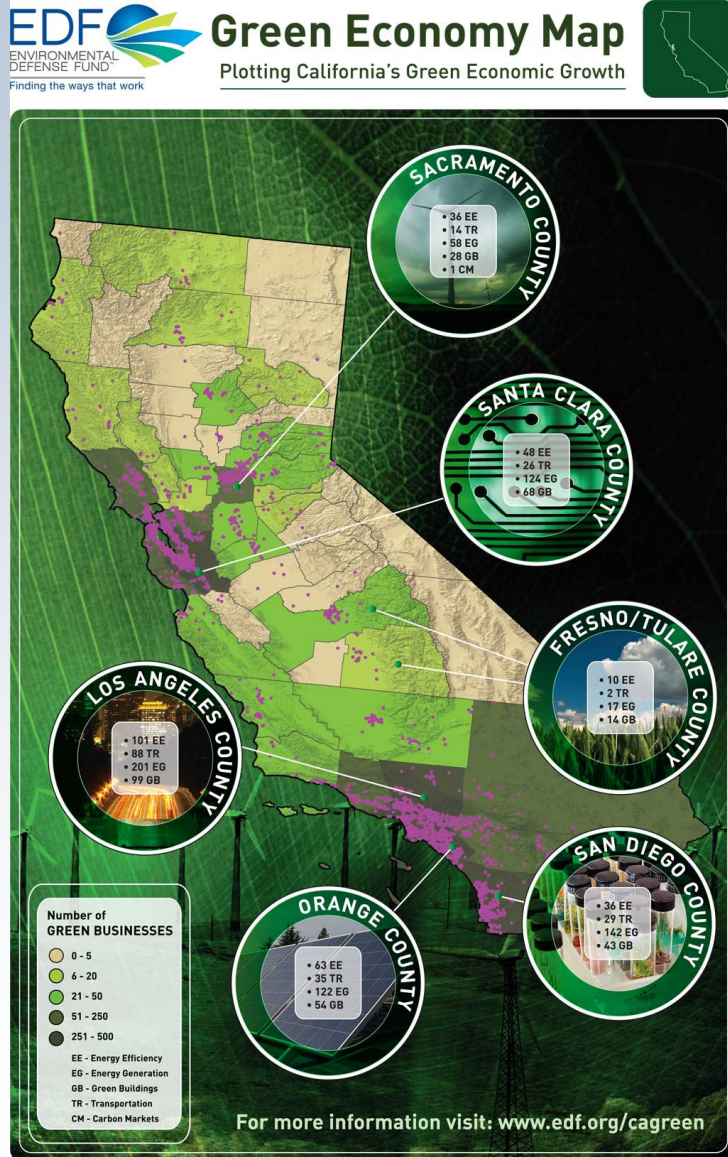
ARRA & Other Funding Provides GHG Emission Reductions (and it's coordinated)

- Over \$800 million – Building energy projects in California
- Energy Efficiency Block Grants
- State Energy Program
- Weatherization funding
- SB 758 – Building Retrofit Funds



Source: EECBG Worksheet at: <http://www.energy.ca.gov/recovery/>

Early Results

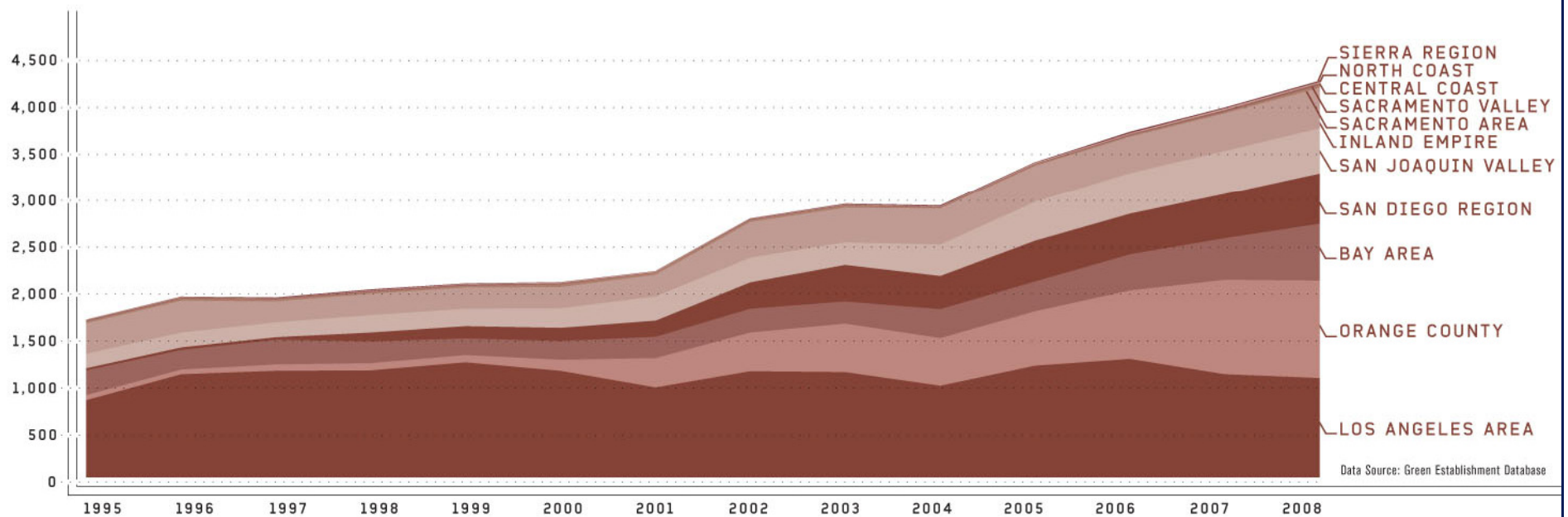


Small Businesses take action, save money

Regional clean energy job growth

GREEN TRANSPORTATION JOBS *by* REGION

TOTAL JOBS BY REGION OVER TIME



Upcoming Dates

September

- AB 32 – Scoping Plan Update
- SB 375
- Renewable Electricity Standard

November

- Cap and Trade regulation

December/January

- CoolCalifornia Small Business Awards – application period

More Information and Contacts

ARB's Climate Change Website:
www.arb.ca.gov/climatechange

ARB's Clean Energy Website
www.arb.ca.gov/cc/cleanenergy/cleanenergy.htm

California's Climate Change Website:
www.climatechange.ca.gov/

ARB's Cap-and-Trade Rulemaking Website:
www.arb.ca.gov/cc/capandtrade/capandtrade.htm

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