



# New Mexico's Climate Change Initiative

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# Overview

- Potential Effects of Climate Change on New Mexico
- Chicago Climate Exchange
- Regional Efforts: SW Climate Change Initiative
- Climate Change Advisory Group

# Potential Effects of Climate Change on New Mexico

- ☞ Increase in temperatures
- ☞ Extreme weather events and increase risk of wild fire
- ☞ Significant impacts on the state's water resources
- ☞ Loss of suitable trout habitat and an overall reduction in biodiversity
- ☞ Increased concentrations of smog and pollution from particulates
- ☞ Adverse public health impacts

# Chicago Climate Exchange

- The North America's only voluntary and legally binding GHG emissions trading program.
- Members commit to reducing GHG emissions to a specific target and purchasing credits to offset emissions if targets not met.
- New Mexico is the first state to join.

# Chicago Climate Exchange

- Governor Richardson committed New Mexico state operations to a reduction of 4% by the end of 2006.
- Baseline Emissions: Average annual emissions for 1998 through 2001
- Includes all agencies under the direct control of the Governor

# Some Strategies for Success

- Renewable Fuels Executive Order requires that 15% of transportation fuel come from renewable fuels by 2010 and that 75% of all newly acquired vehicles are alternative fuels vehicles or gas-electric hybrids.
- Governor's Directive requiring that 10% of power purchases be "green power".
- Green Building Executive Order mandating LEEDS silver for new and renovated state buildings.

# SW Climate Change Initiative

- Signed February 28 by Governor's Napolitano and Richardson
- AZ and NM agree to “collaborate in identifying, evaluating and implementing ways to reduce greenhouse gas emissions and achieve related co-benefits”

# Climate Change Advisory Group (CCAG)

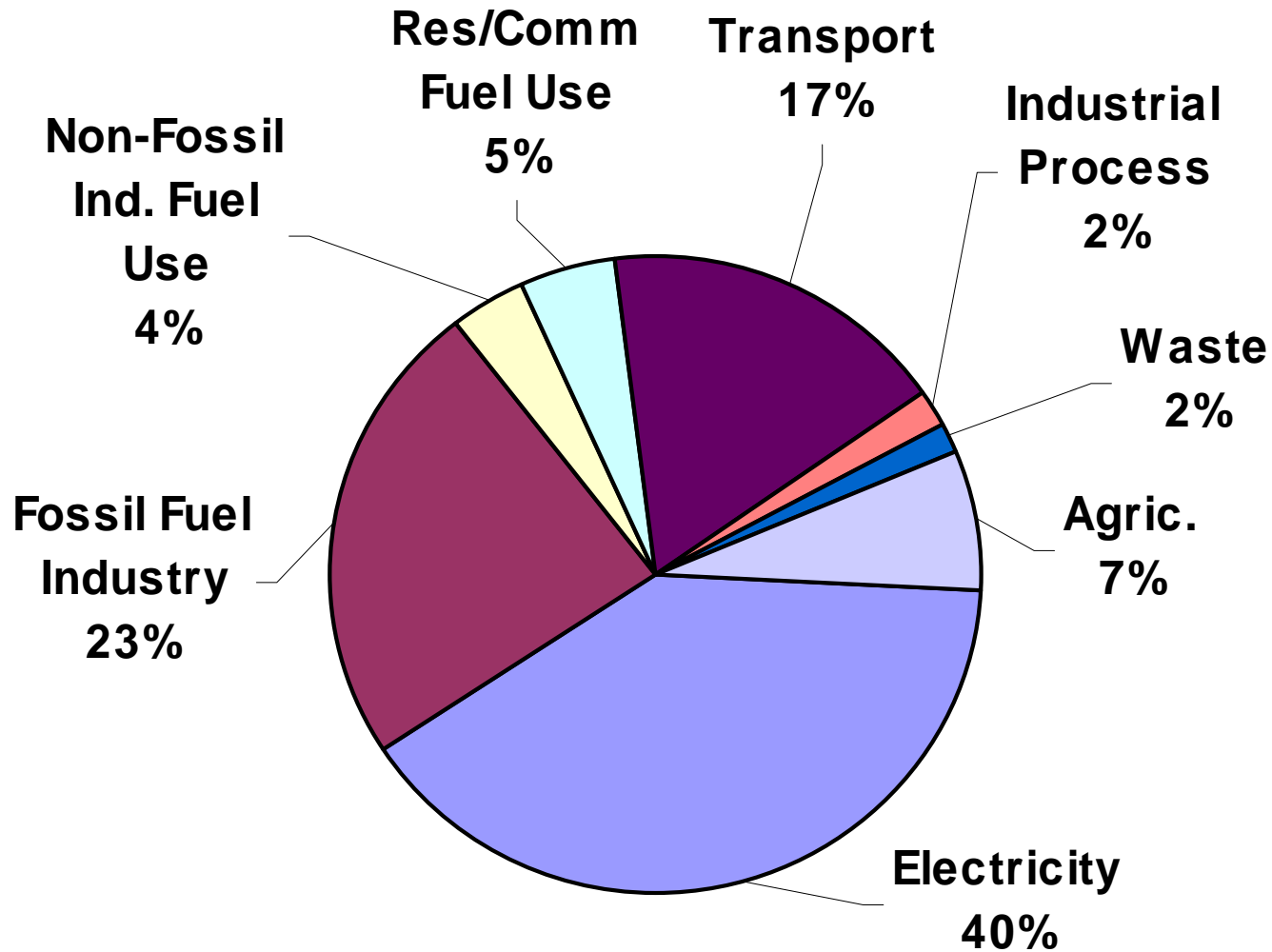
- Established by Governor's Executive Order to Develop Recommendations to Achieve Emission Reduction Targets
  - 2000 levels by 2012
  - 10% below that by 2020
  - 75% below by 2050
- Recommendations due December 2006
- Fourth meeting to be held in Farmington on April 26

# NM Greenhouse Gas Emissions Inventory

- On a per capita basis, NM produces twice the national average of GHG emissions.
- Electricity Generation is the largest emitter of GHGs in NM followed by the Fossil Fuel Industry.
- Transportation is predicted to be the fastest growing sector.

# GHG Emissions by Sector

## New Mexico



# Some Options Being Considered

## Energy Supply

- Improving the RPS
- Advanced Coal Technologies with Sequestration
- Oil and Gas Emission Reduction Strategies

## Residential Commercial and Industrial

- Green Power Purchasing
- Building Performance Requirements

# Some Options Being Considered

- ☞ Transportation and Land Use
  - California Emission Standards
  - Alternative Fuels
- ☞ Agriculture and Forestry
  - Forest Land Protection
  - Biomass Feedstock for Electricity Generation
- ☞ Cross Cutting
  - Emissions Reporting
  - GHG Registry

# For More Information

- ☛ Web Page: [www.nmclimatechange.us](http://www.nmclimatechange.us)
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