

New Mexico Climate Change Activities

November 10, 2009

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Overview

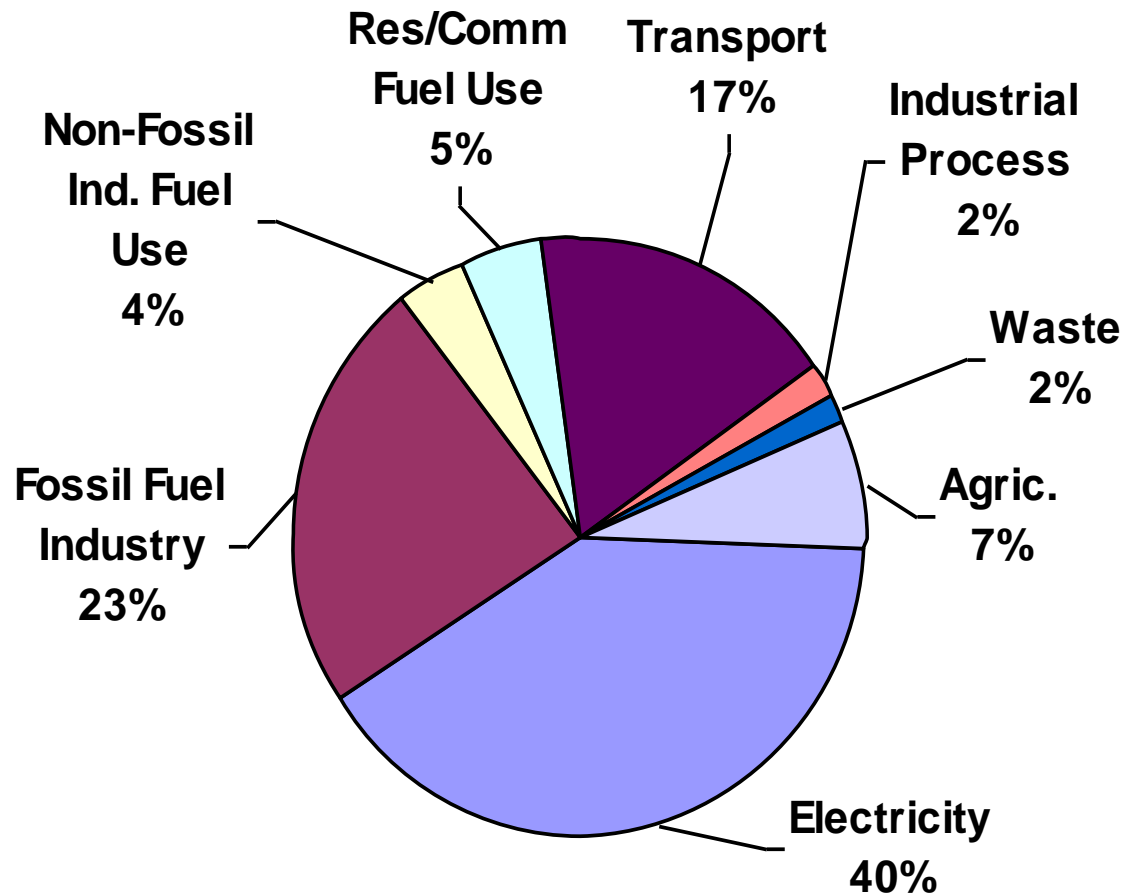
- New Mexico Climate Change Activities
- Staff and Funding
- Structure Within the Environment Department
- The Changing Landscape

NM 2005 Climate Change & Greenhouse Gas Reduction Executive Order

- Set state GHG reduction targets
 - 2000 levels by 2012
 - 10% below 2000 by 2020
 - 75% below 2000 by 2050
- Created the Climate Change Advisory Group to make recommendations for meeting targets; finalized December 2006
- Mandated a state inventory and the development of an impacts report

New Mexico GHG Emissions by Sector

New Mexico



Projected Impacts to New Mexico

- Hotter temperatures (Average 6-12 °F warmer by mid to late century)
- Less snowpack
- Reduced streamflows in summer and early fall
- More forest fires
- Recurrence of long severe drought
- Overall reduction in biodiversity
- Disproportionate public health impacts on low income and minority populations
- More intense storm events and flash floods

The Cost of Inaction to NM Citizens

- 2020: Added costs of \$3.2 Billion
(\$3,400/household/year)
- 2040: Added costs of \$ 6.3 Billion
(\$5,410/household/year)
- Costs related primarily to:
 - Increased Wildland Fire Costs
 - Increased Health-Related Costs
 - Increased Energy-Related Costs
 - Lost Recreation Opportunities
 - Increased Flood and Storm Damage
 - Reduced Food and Agricultural Production

Climate Change Advisory Group

- Representatives from industry, NGOs, local and tribal governments, agriculture interests, national labs and universities
- Recommendations finalized December, 2006
- 69 CCAG recommendations, 67 unanimous
- If all policies are implemented the state will exceed the Governor's emission reduction target for 2020
- Policies are projected to create a net economic savings to the State's economy

Implementing CCAG Recommendations

- We are making progress on implementing over 40 CCAG recommendations, through legislation, rule and policy.
- California Clean Cars Standards
 - The most cost effective emission reduction strategy recommended by the CCAG.
 - Adopted by rule November, 2007.
 - Scheduled to go into effect model year 2011.

Implementing CCAG Recommendations

- GHG Reporting Program
 - Adopted by rule October, 2007. Mandates annual GHG reporting
 - Started with reporting of 2008 emissions in 2009.
 - Special attention to oil and gas emissions
 - Will be updated in 2010 to harmonize with EPA reporting requirements

Implementing CCAG Recommendations

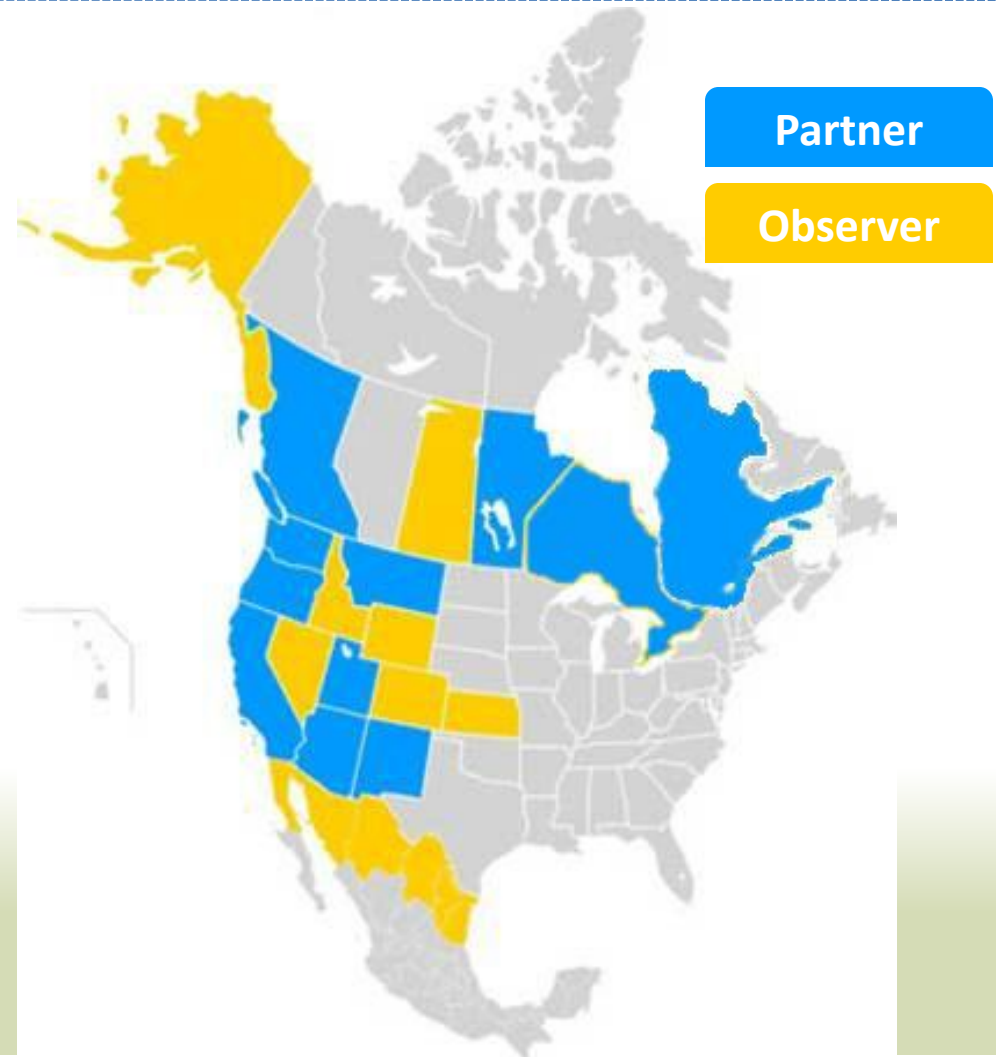
- Supporting Advanced Coal Technologies
 - Cleaner and more efficient than conventional coal fired power plants
 - CO₂ can be used or sequestered underground
 - State efforts include air permitting requirements, financial incentives and addressing regulatory barriers.

Implementing CCAG Recommendations

- The CCAG also recommended the state participation in the development and implementation of a regional or national cap-and-trade program.
- February, 2007 the Governors of New Mexico, Arizona, Oregon, Washington and California formed the Western Climate Initiative.

Western Climate Initiative

- **Develop regional strategies to address climate change**
- **Washington, Oregon, California, Arizona, and New Mexico signed in February, 2007**
- **Montana, Utah, British Columbia, Manitoba, Quebec and Ontario have signed on**
- **6 US states, 6 Mexican states and 2 Provinces are official observers**



February 2007 MOU

- Set a regional goal consistent with state-by-state goals (done)
- Participate in a multi-state GHG registry to enable tracking, management, and crediting for entities that reduce GHG emissions (done)
- Design a regional market-based multi-sector mechanism, such as a load-based cap-and-trade program, to achieve the regional GHG reduction goal (released in fall of 2008)

Staff and Funding

- Governor established climate change as a priority
- Legislature authorized general fund and new positions
- Environment Department shifted resources to address climate
- Added four full time and several part time employees to work on climate change
- Funding includes state general fund, special revenue funds, permit fees and 105 grant

Structure within the Environment Department

- Air Quality Bureau plays a large role because greenhouse gas emissions are air pollution
- Staff wrote the impacts report, mandatory reporting rule, inventory update and helped with advisory group and stakeholder outreach
- Energy and Environmental Policy Coordinator in Director's office provides high level leadership
- Strong support within the office of the Secretary and Governor's office

The Changing Landscape

- State climate change programs will continue to grow regardless of what happens at the federal level
- States will have to make some adjustments to harmonize with the feds (example: mandatory reporting program)
- Regional programs (WCI, Midwest Accord, RGGI) will play an important role either as an early test of cap and trade programs or as a forum to help states implement a federal program

For More Information.....

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www.westernclimateinitiative.org