

# UTAH'S ENERGY AND ENVIRONMENT

## WESTERN STATES IN-PLACE RECYCLING CONFERENCE

Salt Lake City, Utah

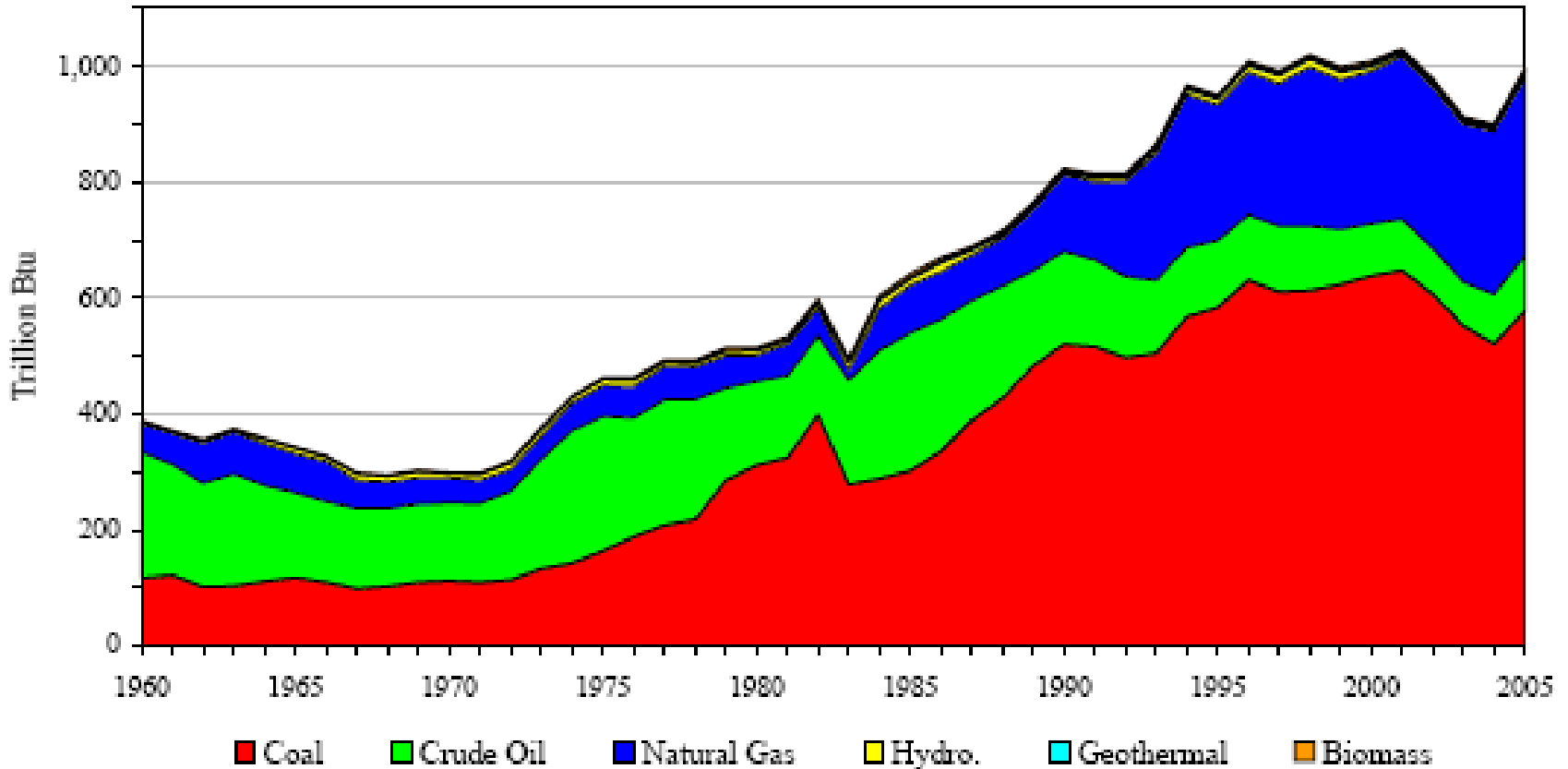
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# **UTAH ENERGY STRATEGY**

- **Diversify Energy Portfolio of Renewables and Non-Renewables**
- **Improve Energy Efficiency and Conservation**
- **Improve Environmental Quality and Reduce Greenhouse Gases**
- **Develop Transmission and Transportation**
- **Strengthen Energy Security**
- **Promote Economic Development**
- **Maintain Quality of Life**

# Energy Production in Utah by Primary Source



# STATE ENERGY POLICY

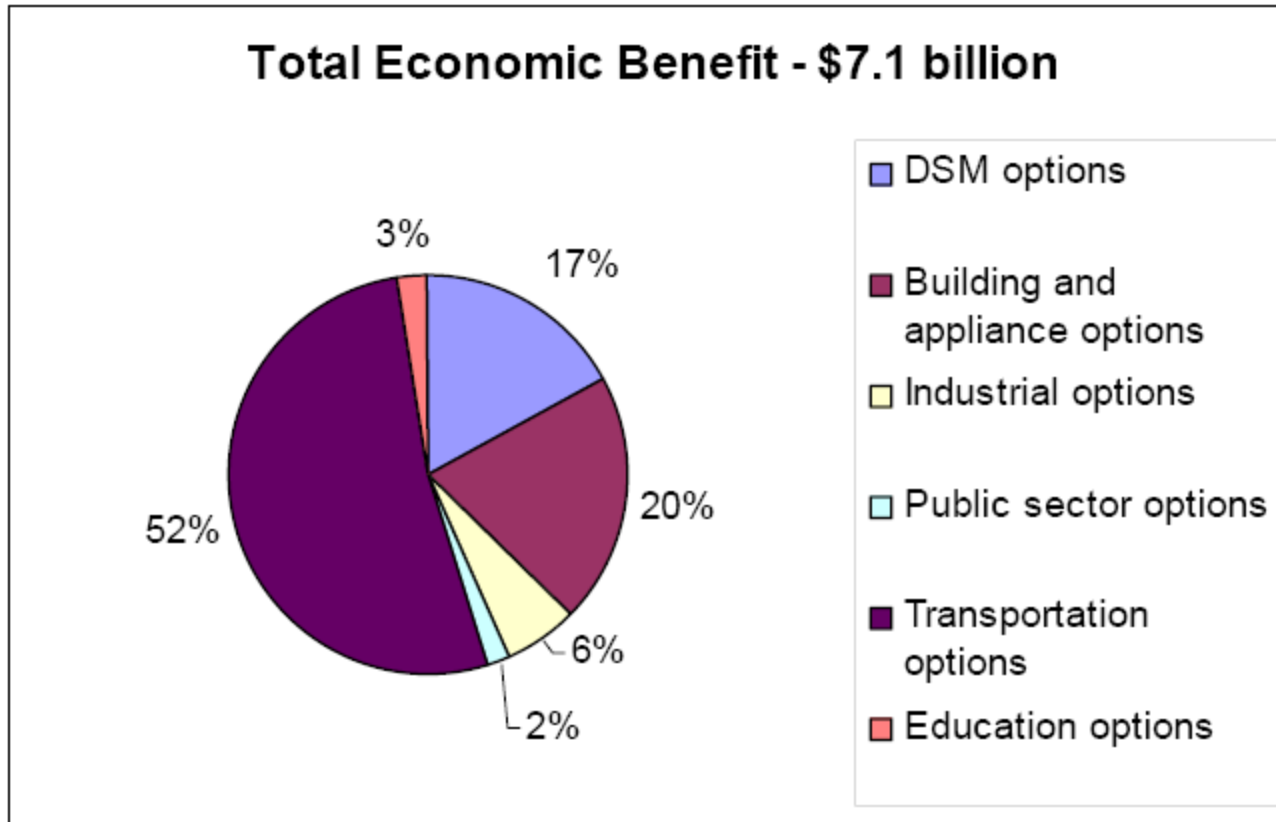
## UCA 63-53b-301

- Utah have adequate, reliable, affordable, sustainable, and clean energy resources;
- Utah will promote the development of:
  - nonrenewable energy resources, including natural gas, coal, oil, oil shale, and tar sands; and
  - renewable energy resources, including geothermal, solar, wind, biomass, biodiesel, and ethanol;
- Utah will promote the study of nuclear power generation;
- Utah will promote the development of resources and infrastructure sufficient to meet the state's growing demand, while contributing to the regional and national energy supply, thus reducing dependence on international energy sources;
- Utah will allow market forces to drive prudent use of energy resources, although incentives and other methods may be used to ensure the state's optimal development and use of energy resources in the short- and long-term;
- Utah will pursue energy conservation, energy efficiency, and environmental quality;
- -- state regulatory processes should be streamlined to balance economic costs with the level of review necessary to ensure protection of the state's various interests; and
- -- where federal action is required, Utah will encourage expedited federal action and will collaborate with federal agencies to expedite review; and
- Utah will maintain an environment that provides for stable consumer prices that are as low as possible while providing producers and suppliers a fair return on investment, recognizing that:
  - economic prosperity is linked to the availability, reliability, and affordability of consumer energy supplies; and
  - investment will occur only when adequate financial returns can be realized.

# ENERGY EFFICIENCY

- Governor's Energy Efficiency Goal:  
**Improve Energy Efficiency by 20% by 2015**
- Energy Efficiency standards for new state buildings and retrofits
- Training on new Energy Efficiency Codes
- Energy Efficiency in vehicle fleets
- Energy Efficiency and Blue Sky credits for the Governor's Mansion
- PowerForward summer alert for energy demand

# Net Economic Benefit of Energy Efficiency Options



Geller et al, 2007

# **State of Utah Governor's Blue Ribbon Advisory Council on Climate Change**

***[www.deq.utah.gov/Issues/Climate\\_Change/index.htm](http://www.deq.utah.gov/Issues/Climate_Change/index.htm)***

## **More than 70 Recommendations covering:**

- **Agriculture and Forestry**
- **Energy Supply**
- **Residential, Commercial, Industrial**
- **Transportation and Land Use**
- **Crosscutting**

# 2008 ENERGY LEGISLATION

<b>RENEWABLE PORTFOLIO STANDARD</b>	<b>SB202</b>
20% of Utah's Electricity will be generated from Renewable Energy Sources by 2025	
<b>NET METERING - REVISIONS</b>	<b>SB84S1</b>
Facilitates Renewable Energy development and sale of excess power	
<b>RENEWABLE ENERGY ZONE TASK FORCE</b>	
Recommendations to Interim Committee	
<b>ALTERNATIVE FUEL NETWORK</b>	<b>HB103</b>
Use of State CNG Re-fueling Stations	
<b>EFFICIENT VEHICLE TAX INCENTIVE</b>	<b>HB106</b>
Incentive for Alternative Fuel Vehicles	
<b>STATE ENERGY EFFICIENCY</b>	<b>HB198</b>
Funding for Energy Efficiency in State Building, including Higher Education Buildings	



# RELATED ENERGY ISSUES

- Greenhouse Gas (GHG) Goal for Utah
- Western Climate Initiative (WCI) Cap/Trade Program
- Renewable Energy Zone Task Force
- Western Renewable Energy Zones
- Transmission
- Governor's Energy/Climate Change Advisory Council

State of Utah  
Governor's Blue Ribbon Advisory Council on  
Climate Change

[www.deq.utah.gov/Issues/Climate\\_Change/index.htm](http://www.deq.utah.gov/Issues/Climate_Change/index.htm)

*Utah Energy Efficiency Strategies: Policy Options*

<http://energy.utah.gov/energy>

Western Climate Initiative

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[www.westernclimateinitiative.org](http://www.westernclimateinitiative.org)

THE CLIMATE REGISTRY

[www.theclimateregistry.org](http://www.theclimateregistry.org)