

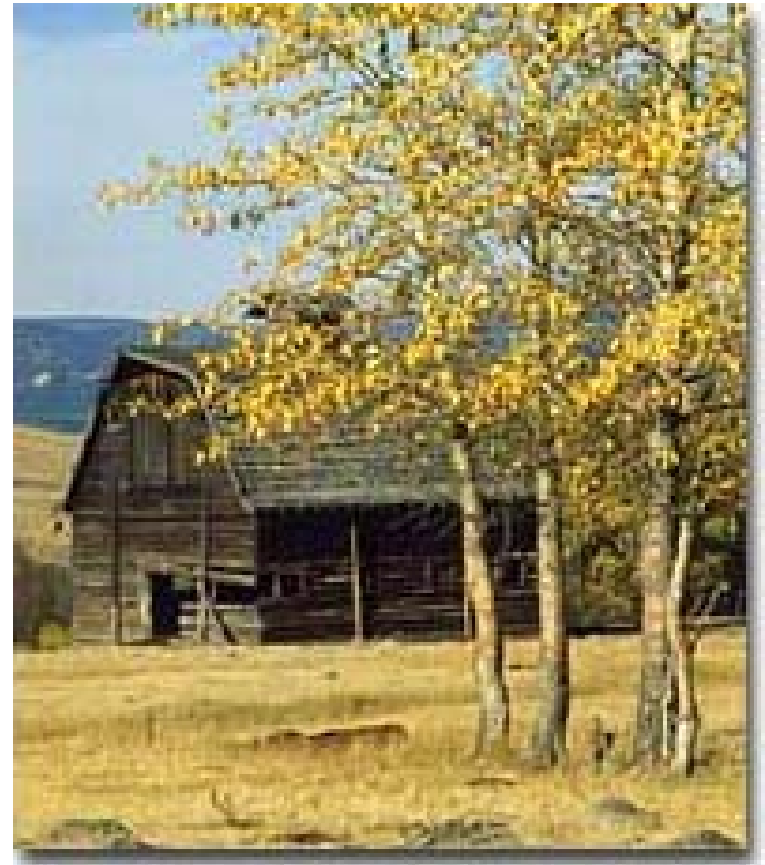


Project Support

Mt. Department of Environmental
Quality
Georgia Brensdal

Energy Background for Montana

- Mt. 4 largest area, less than 1 million people
- Deregulation transition
- Produce more than we consume
- Large price changes





Energy Improvements to Facilities

- E=MC² for Schools and Hospitals
- State Buildings Energy Conservation Program
- Rebuild America Program
- State Energy Program Base and Special Project from DOE



Technical and Financial

- Preliminary engineering review in-house
- Funding for studies with consultants
- Funding for Commissioning Studies
- Bond Funding
- Engineering Service Procurement
- Selection of Projects



5 Year Activity Level

- 1-2 Million Dollars/YR in State Buildings
- About Same Level In Schools
- Stand-Alone Energy Project the Minority
- 5-7 cents/KWH and Less than \$5./mcf
- Commercial Building Energy Code



Past Year

- Executive Order to State Agencies to Curtail Electrical Energy Use
- Energy Legislation in 2001 Session
- State Involved in Power Pool
- Governor's Energize Montana Campaign



Energize Montana Website

[http://www.deq.state.mt.us/
energy/](http://www.deq.state.mt.us/energy/)



New or Renewed Players

- Interagency Energy Task Force
- School Board and Administrator Association
- Legislative Fiscal Auditors
- Building Committees
- Procurement officers



Establish Energy Management Practices

- Legislative review of energy utilities expenditures and energy conservation practices
- Monitoring utility bill information
- Building commissioning practices
- Identify resources
- Assign responsibility



Statewide Utility Monitoring Pilot Project

- Verify savings for retrofit projects
- Provide information facility operators
- Obtain energy consumption information for budgeting and energy management.



Phase I of Pilot

- On-line Web Service Selected from RFP
- 100-160 Buildings
- Distributed utility service campus
- Sub-metered campus
- Agency with state-wide facilities
- Energy Conservation Projects



Phase II

- Obtain energy consumption information for fuel procurement contracts.
- Increase to 300 Buildings
- Evaluate additional services such as water/sewer, bill paying, maintenance expenses
- Training to agency with friendly on-line service
- Establish benefits of monitoring



Pilot Project Goals

- Recommend methods to achieve state-wide system
- Determine methods to fund system
- Gather information on state energy use
- Train and educate energy users in government

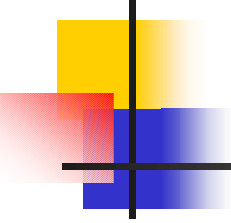


Expanded Role for Energy Efficiency

- Handle Increased Projects
- Sustainable activity
- Meet needs of small and large projects
- Meet needs of various facilities
- Focus on benefits to facility



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- Did you know that the State of Montana has a brand new set of speed limits for its roads and highways?
 - Did you realize that Montana has the shortest river in the world? The Roe River in Great Falls.
 - Did you know that Montana holds the world record for the greatest temperature change in 24 hours? A whopping 100 degrees in Browning!
 - Did you know that Helena became the capital of the State only after a very suspicious and controversial election?

