Energy Innovation: An Unprecedented Opportunity to Lead

Dr. Laura Nelson

2017 C3E Women in Clean Energy Symposium

November 16, 2017
Mission

The Governor’s Office of Energy Development is dedicated to advancing all forms of responsible energy and minerals for the provision affordable, reliable and sustainable energy through planning, policy and direct engagement.

-Gov. Gary R. Herbert
Utahns envision being self-sufficient with energy that is affordable, reliable, and clean. Diverse energy source options improve our environment and our health while keeping energy costs relatively low and help Utahns maintain their quality of life.
"Governor Herbert's thoughtful ‘all of the above’ energy policy focuses on efficient markets, technology, infrastructure and unprecedented partnerships to develop a dynamic and sustainable energy economy that supports the state’s economic and environmental goals."
Summary: Advancing Utah’s Energy & Minerals Economy

Policy & Planning

- Inform and advance state and federal policy to promote development and drive innovation

Industry Assistance

- Funding & Incentives
- Public/Private-Sector direct engagement
- Trade Missions

Education & Outreach

- K-12 Education
- University Energy Research Triangle
- Summits, Symposia, Workshops, Forums
Energy Innovation

• Transmission regionalization
  • Renewable energy integration

• Emerging storage technologies
  • Batteries and CAES

• Electric vehicles

• Energy Efficiency
Innovation Energizing Our Future

Coal Combustion & Gasification

Geothermal FORGE Project

New Flyer Electric Bus

Building Efficiency

SES: Carbon Capture

Smart Window Tinting
Utah Greenhouse Gas Reductions

The most recent EIA summary of CO₂ emissions from Utah’s electric power industry indicates that 2015 emissions were 14 percent below what they had been in 2008.
Powering Utah’s Energy Future