

31st Oil Shale Symposium



State of Utah
Lieutenant Governor
Greg Bell

October 17, 2011

Utah Supports Oil Shale

- ❑ Energy Independence
- ❑ Domestic Jobs
- ❑ Reducing Imports
- ❑ National Security
- ❑ Rural Development
- ❑ Showcase Technology
- ❑ Economic Development

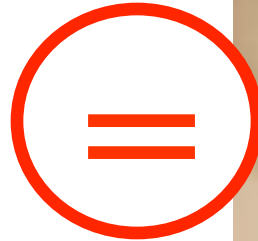


Photo: UGS



Energy is a Priority for Utah

□ **Governor Herbert's Four Cornerstone Priorities**

- Education
- **Energy**
- Economic Development
- Self-Determination

“No other state can offer what Utah can. We are uniquely positioned in the Western Energy Corridor. Utah has a rich abundance of diverse natural resources, both in terms of traditional fuels, and renewable and alternative energies.”

~Governor Gary R. Herbert

Governor's Energy Task Force

Chair: Amanda Smith, Governor's Energy Advisor

- Ted Wilson, Canyon Ski Resort
- Paul F. Barber, Parando
- Robert T. Behunin, Utah State University
- Spencer P. Eccles, Governor's Office of Economic Development
- Bob Henrie, R&R Partners
- Ronald W. Jibson, Questar Gas
- Stan Parrish, Parandco
- Derek B. Miller, Governor's Office
- Robin Riggs, Salt Lake Chamber of Commerce
- L. Douglas Smoot, Brigham Young University
- Richard Walje, Rocky Mountain Power
- Alan J. Walker, USTAR and University of Utah
- Ally Isom, Governor's Office
- Samantha Mary Julian, Office of Energy Development

Strategic Energy Plan

GOVERNOR GARY R. HERBERT — March 2, 2011



ENERGY INITIATIVES & IMPERATIVES

Utah's 10-Year Strategic Energy Plan



**Read it online at:
governor.utah.gov**



Office of Energy Development

- **Created in 2011 by H.B. 475**
 - Operating for approximately 160 days

- **Progress Energy Development**
 - Single point of contact
 - Development of ALL energy resources
 - Shape and implement policy
 - Assists industry and citizens
 - Streamline processes with state and federal agencies
 - Track data

OED is here to help you!



How Utah is Supporting the Energy Industry

- Regulatory Changes
- Modernize Procedures
- Land Permitting
- Transportation & Infrastructure
- Education & Public Awareness
- Unprecedented Partnerships:
 - Federal Agencies
 - Native American Tribes
 - Environmental Groups
 - Local Governments
 - Extractive Industries
 - Businesses



Governor's Balanced Resource Council

- ❑ Created in 2009 by Governor Herbert
- ❑ Prioritize & Recommend Actions
- ❑ Review Public Land Policy
- ❑ Review Water & Air Quality
- ❑ Identify the Needs of Energy Industry



How Industry can Show Support

- Work Responsibly with Federal Partners
- Air Quality & Water Consumption
- Wildlife & Archaeology
- Carbon Management
- Unprecedented Partnerships:
 - Governor's Office
 - Local Leaders
 - Federal Delegation
 - University & Colleges

Oil Shale is an Enormous Resource

□ Green River Formation

- CO, UT, WY
- Contains the most Oil Shale in the world

□ Estimates at 1.8 Trillion Barrels

- Utah Geologic Survey
 - 77 billion bbls
 - On private land, shallow, high content



US Conventional Oil Reserves



US Oil Shale Resource



Historical Challenges for Oil Shale

- ‘Just Over the Horizon’ for Decades
- Unpredictable Energy Prices
- Water Usage
- Land Impacts



Governor's Energy Development Summit

- National-Level Summit
- 800+ Attendees
- February 2012
- Details: <http://energy.utah.gov>



Utah is Open for Business

- ❑ Utah #1 “Best Managed State” (*Pew Center, 2011*)
- ❑ Utah #1 “Best State for Business” (*Forbes, 2011*)
- ❑ Utah #1 “Expected Economic Recovery” (*ALEC, 2011*)
- ❑ Utah #1 “Best States to Live” (*Business Facility, 2011*)
- ❑ Utah #1 “Workforce Productivity” (*Brookings Institute, 2011*)
- ❑ Utah #1 “Quality of Life” (*Business Facility, 2011*)
- ❑ Utah #51 “Neuroticism” (*Wall Street Journal, 2010*)



Thank You!

Questions?

Office of Energy
Development

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Office of the
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