

Idaho National Laboratory

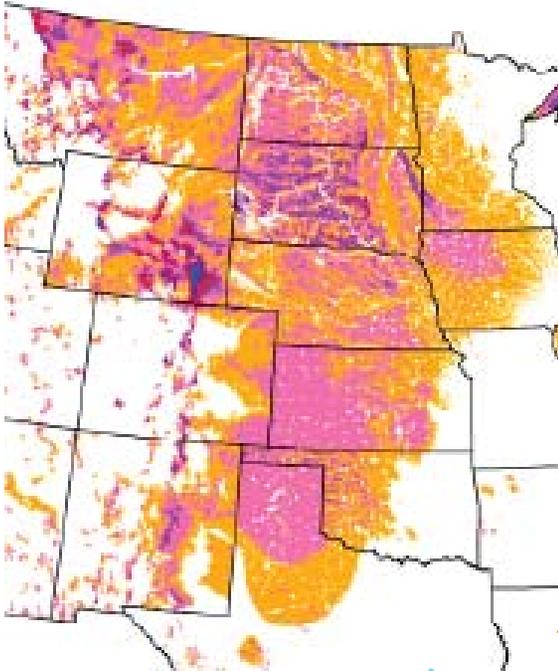
Developing a
Regional Applied
Energy Research
Partnership



INL's Position Today – Nationally

- One of only 10 DOE multi-program laboratories
- Designated lead lab for nuclear energy research, development and demonstration.
- A major contributor in national and homeland security, alternate and renewable energy and science and technology
- ~4000 Staff
- ~900 square miles
- Operated by Battelle Energy Alliance



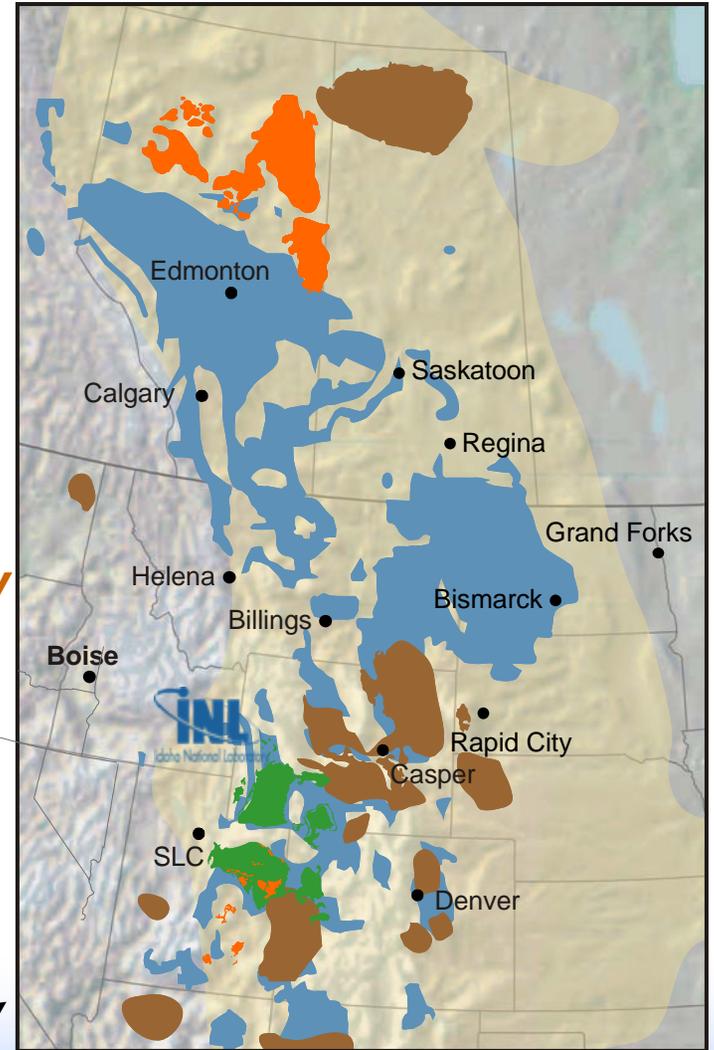


U.S. Department of Energy
National Renewable Energy Laboratory

Wind Power Classification				
Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m ²	Wind Speed ^a at 50 m m/s	Wind Speed ^a at 50 m mph
3	Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
4	Good	400 - 500	7.0 - 7.5	15.7 - 16.8
5	Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9
6	Outstanding	600 - 800	8.0 - 8.8	17.9 - 19.7
7	Superb	800 - 1600	8.8 - 11.1	19.7 - 24.8

^aWind speeds are based on a Weibull k value of 2.0

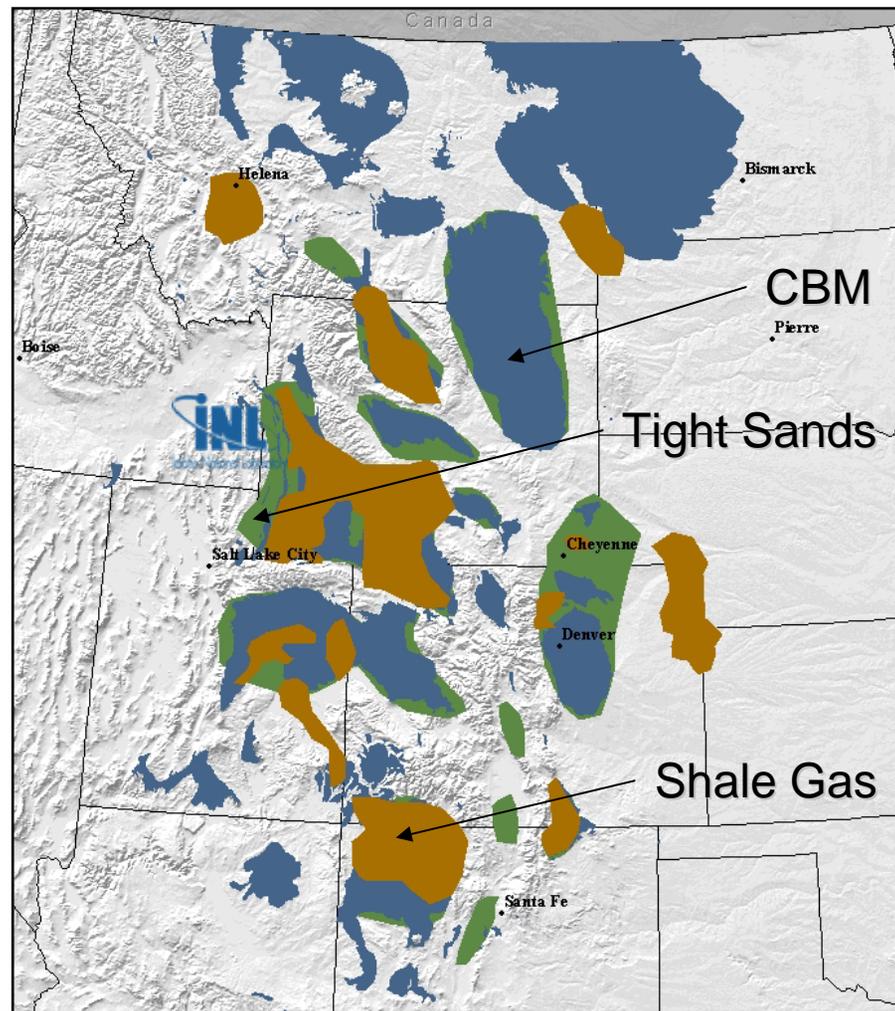
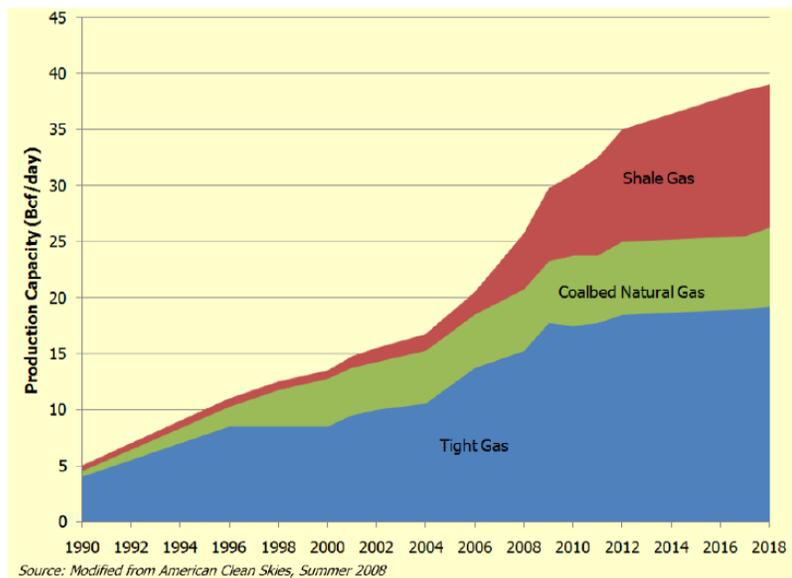
The Western Energy Corridor contains energy resources strategic in meeting N. America's energy security challenges

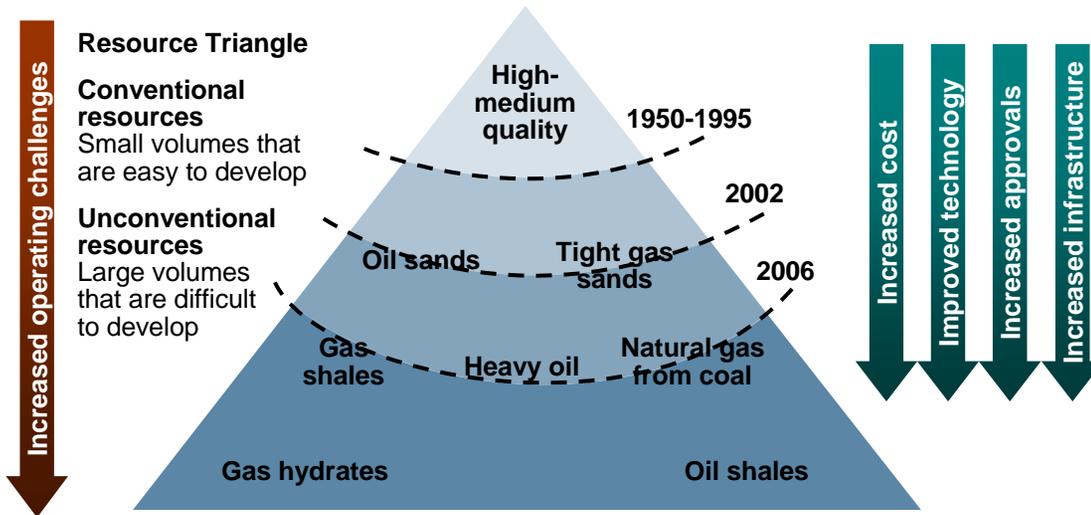


- Oil shale
- Uranium
- Oil sands
- Coal basins



Unconventional gas will have a major impact on energy portfolio investments,





Source of image: Canadian Society for Unconventional Gas
Submission to Council of Energy Ministers, September 2003

“The Nation is substantially at risk, from an economic and security perspective, to warrant development of an unconventional fuels program with attendant policies and government actions to promote and accelerate industry development”

Unconventional Gas Development in the Western Energy Corridor

A RPSEA Forum Focusing on Unconventional Gas Resources in the Rocky Mountain Region of the Northern United States and Canada

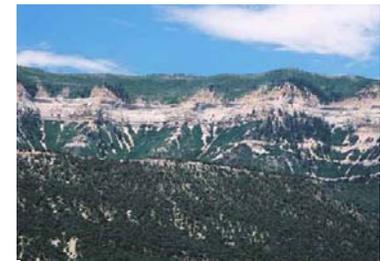
Hilton Garden Inn, Idaho Falls, Idaho
May 12, 2009



TASK FORCE ON STRATEGIC UNCONVENTIONAL FUELS

DEVELOPMENT OF AMERICA'S STRATEGIC UNCONVENTIONAL FUELS RESOURCES

INITIAL REPORT TO THE PRESIDENT AND THE CONGRESS OF THE UNITED STATES



Ad Hoc Unconventional Fuels Working Group

Strategic Plan
Unconventional Fuels Development Within the Western Energy Corridor

U.S. Department of Energy
Office of Naval Petroleum and Oil Shale Reserves
November 2008

Secure Fuels from Domestic Resources
The Continuing Evolution of America's Oil Shale and Tar Sands Industries

Profiles of Companies Engaged in Domestic Oil Shale and Tar Sands Resource and Technology Development

U.S. Department of Energy
Office of Petroleum Reserves
Office of Naval Petroleum and Oil Shale Reserves
June 2007

INL-USU (Energy Dynamics Laboratory and BEERC) are establishing an applied energy engineering research program in Eastern Utah.

The program would emplace infrastructure to assist in conducting field and larger-scale laboratory demonstrations in support of enhancing energy development in the region.



Smart energy development in turn will be used to build value-added industrial ventures in the region, a sustainable regional economy and enhanced educational opportunities

It is critical that the program be optimally focused, with its direction strongly driven/guided by needs of regional energy industry, government and other stakeholders



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