



COAL GASIFICATION: WHAT DOES IT MEAN FOR WYOMING?

Preliminary Agenda

Morning Session—Coal Gasification and IGCC: Meaning and Current Status

9:00 Welcome—Dr. Carol Frost—Interim Director, University of Wyoming
School of Energy Resources

Gasification and IGCC 101—Dr. Richard Boardman—INEL

What is gasification and how does gasification/IGCC work? Discussion of the products of gasification, including syn-gas for chemicals and fuels for power generation. How do the various gasification technologies compare, including mode of fuel feeding and fuel type (bituminous vs. subbituminous). How does IGCC differ from other power generation processes such as advanced coal combustion and oxy-combustion? Discussion of the environmental considerations of IGCC, including lower emissions, CO₂ readiness, water usage and perceived limitations (e.g. costs and elevation).

Research and Development Initiatives of Western Research Institute— Dr. Vijay Sethi—VP Western Research Institute

Discussion of gasification and IGCC research and development activities at Western Research Institute.

Research and Development Initiatives of the University of Wyoming— Dr. Morris Argyle—UW College of Engineering

Discussion of gasification and IGCC research and development activities at the University of Wyoming.

Gasification and IGCC: Status and Readiness—Elaine Everitt—U.S. DOE NETL

Discussion of the demonstration and commercial-scale status of gasification technologies in the U.S. and worldwide. Also a discussion of demonstration programs for IGCC sponsored under the Clean Coal Initiative program and FutureGen.

12:00 Luncheon Speaker: Eric Redman, an authority on IGCC who has been included in the 2007 edition of *The Best Lawyers in America* in the specialty area of Energy law.

Afternoon Session—IGCC: State Perspectives and Initiatives

Free One-Day Public Symposium

Wednesday February 28, 2007
Holiday Inn on the River
Casper, Wyoming

[Home](#)

[Agenda](#)

[Presenters](#)

[Free Registration](#)

[Venue](#)

Space is limited.
Please register early.

Sponsoring Organizations

The University of Wyoming School of Energy Resources, created by the Wyoming legislature and the Governor, is built on the three pillars of teaching, research and outreach. The mission of the SER Energy Outreach Center is to support scientific, engineering, and economic outreach for near-term and long-term energy planning through the open dissemination of information related to energy activities in Wyoming. The Energy Outreach Center provides information outreach to the public, state, industry and nation; facilitates data sharing with industry groups and state agencies; and provides consulting specialists for the Wyoming energy industry. For more information, see www.uwyo.edu/ser or contact the SER at (307) 766-2663.

The University of Wyoming Research Corporation, d.b.a. Western Research Institute (WRI) is a not-for-profit research and technology development organization. WRI is developing the coal technologies of the

Afternoon Session—IGCC: State Perspectives and Initiatives

Perspective from the Governor's Office—Rob Hurless—WY Governor's Office

Discussion of Wyoming's view of IGCC in a carbon-constrained future.

Siting and Environmental Assessment of new IGCC Technology—Todd Parfitt—WY Department of Environmental Quality

Discussion of the safeguards that the Wyoming has in place to ensure environmentally safe deployment, including CO₂ sequestration.

Financing Issues of IGCC Projects—Eric Redman

Discussion of the financing of large IGCC projects—the risks, the advantages and the limitations (e.g., high elevations).

Wyoming's Gasification and IGCC Initiatives—Steve Waddington—Executive Director, WY Infrastructure Authority

Discussion of the WIA and the initiatives related to IGCC, including MOU with California, EP Act 2005, and impact of California Initiatives (AB32).

Role of Wyoming Public Service Commission—Steve Oxley—Chief Council, WY PSC

Discussion of the role of PSC and its rate approval process for power from IGCC plants with and without CO₂ sequestration.

4:00 **Closing Comments/Discussions and Wrap-up**

technology development organization. WRI is developing the coal technologies of the future, including coal conversion; providing support to the coal and utility industries in Wyoming; and delivering research and technology services for the oil and gas industry, including coal bed methane. WRI is the University of Wyoming's School of Energy Resources public outreach partner. For more information, see www.westernresearch.org or contact WRI at (307) 721-2428.