

FROM A BRIDGE TO A DESTINATION: GAS FIRED POWER AFTER 2020

A CARBON CAPTURE AND STORAGE LEADERSHIP FORUM FOR NATURAL GAS POWER PLANTS

Opportunities to advance technology, RD&D and policy



Hotel Monaco

700 F Street NW, Washington, DC 20004

Friday, November 4, 2011, 8:30 AM – 4:30 PM

For more information about the event and sponsorships, please contact Jerome Hinkle at jhinkle@cleanskies.org or visit www.cleanskies.org/ccsforum



A CCS Leadership Forum for Gas Since 2006, there has been a dramatic increase in North America's natural gas resource base. More efficient and cheaper production techniques have increased shale gas supply at steadily lower cost, radically changing the future price outlook for gas and making it increasingly competitive as a base load fuel for electricity generation. Stricter environmental limits on emissions from coal-fired plants and cheaper gas supplies at stable prices have also led to increased substitution of gas-fired generation for the oldest and least efficient plants in the coal fleet, as well as firming power for variable energy resources like wind and solar.

Greatly expanded use of gas will lead to steady reductions in the carbon intensity of the US grid up to a limit, however:

- To further lower the CO₂ footprint, carbon capture and storage (CCS) technology for gas would need to be commercially deployed after 2025—large scale demonstration projects will be required several years before;
- California will implement a cap-and-trade system that covers electricity generation and imports by 2012—CCS is an approved abatement technology;
- even without strong federal climate legislation, several states are moving forward on CCS; and
- many analyses show increased demand for gas to replace coal, accelerating the need for CCS.
- To address the U.S. challenge for CCS and gas-fired plants, the **American Clean Skies Foundation** will convene a public forum on November 4, 2011, in Washington, D.C. at the Hotel Monaco.
- The event will bring together top experts from the electric utility industry, manufacturers, government agencies and the environmental community. Participants will include members of the Clean Energy Group, Clean Air Task Force, Great Plains Institute, President's Interagency Task Force on CCS and the California CCS Review Panel.
- A companion web site has been launched to support the event. It will host background on CCS and natural gas and eventually include the analyses and results from the day-long Forum.

Sponsorship Opportunities ACSF is offering a limited number of sponsorship opportunities for the Forum, which would be a showcase for innovative thinking and action. The Forum presents an opportunity to demonstrate policy leadership in a key area where there is barely any discussion at present, and to help shape substantial new markets that could emerge. We invite cohosts to join our panels of expert speakers.

ACSF has been particularly effective in convening diverse groups to resolve key energy issues. In 2010-11, along with the Bipartisan Policy Center and a group of cosponsors, we organized a national Task Force of producers, major consumers, regulators, NGOs, investors and analysts in exploring the challenges of managing natural gas price stability. The final report of the Task Force was issued in March 2011 and was widely reviewed in the press. Another effort is our ongoing Clean Energy Regulatory Forum, co-funded with the Energy Foundation and the William and Flora Hewlett Foundation. The Forum brings together senior utility and regulatory experts, analysts and investors to address state and federal regulatory hurdles to cleaner generation. We were also one of the principal sponsors of MIT's *The Future of Natural Gas*.