



Coal-to-liquids technology was the topic of Anderson Global Innovation Group, Inc. president & CEO William C. "Bill" Anderson's presentation. Anderson argued that a transition to nuclear power electricity generation would free up U.S. coal supplies and allow for development of clean coal technologies for transportation fuel. In arguing the case for coal, Anderson cites known global coal reserves, the security advantages of lessening U.S. dependence on foreign oil, and the continuing demand for fossil fuel.

Mike Roberts, manager in gasification and gas processing at the Gas Technology Institute (GTI), discussed gasification technology, including processes already in use, feedstock options, and the outlook for the technology. Currently, GTI is involved in gasification projects worldwide using a variety of feedstocks, including biomass, coal, and wood.

Nitrogen gas injection for enhanced oil recovery was the topic of the day's final presentation by PraxAir, Inc.'s Doug Walker, who showed that the proven hydrocarbon recovery method is cost effective and practical, as nitrogen plants can be built almost anywhere. Praxair, a Fortune 500 company with operations in more than 40 countries, has 30 years of experience with gas displacement recovery using nitrogen, CO<sub>2</sub>, and methane.

Energy Summit 2008 drew a large crowd of energy stakeholders, including petrochemical and refining industry representatives; state regulators; energy industry representatives; various state and federal agencies, and media representatives. Feedback on the conference was overwhelmingly positive.



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LSU Center for Energy Studies  
Energy, Coast & Environment Building

*Topics:*

- *Current Financial Challenges to Renewable Energy Development*
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outreach assistance for the GHG inventory project as it progresses toward the completion date, which is set for June 2009.

This GHG inventory will be the second completed by CES and is intended to be a comprehensive state-wide inventory of sources and sinks of greenhouse gases. The project has been designed to help assess potential impacts of expected federal GHG emissions regulations on the state of Louisiana and to help strategically position the state to accommodate challenges and opportunities brought by the federal regulations. The overarching purpose of the LED GHG Inventory Project is to assure that Louisiana's economic competitiveness is not compromised by possible federal regulation of greenhouse gases and that any associated economic development opportunities are recognized.

The planned Scope of Work for the project reaches beyond the development of a comprehensive state-wide GHG Inventory to include

- review and evaluation of activities undertaken by other states to accommodate possible greenhouse gas regulation and/or climate change concerns;
- high-level assessment of the impacts of the most likely federal GHG regulatory schemes on Louisiana's economy;
- development of recommendations for potential state and industry strategies

Methods used will be derived primarily from U.S. Environmental Protection Agency (EPA) guidance documents.

The principle investigators for the project are Mike McDaniel and David Dismukes. Additional CES staff involved in the project includes Elizabeth Dieterich, Kathryn Perry, and Lauren Stuart. A copy of the PAT presentation, including a list of Project Advisory Team members, can be found on the CES Web site. References and important documents related to the LED GHG Inventory Project will also be posted online.

The Bossier-Haynesville gas shale play in northwestern Louisiana and northeast Texas is one of the more economically attractive plays in the country. Although much information about how to best use these naturally fractured shale reservoirs is proprietary, there is data available from a five-year (2003-2008) DOE project focused on basin analysis and petroleum systems characterization of northern Louisiana and Mississippi salt basins.

Principal investigators Don Goddard of CES and Ernie Mancini from the University of Alabama, along with others, looked at geological and geochemical aspects of the Upper Jurassic Cotton Valley-Bossier and Haynesville complex in core samples in the North Louisiana Salt Basin to assess the thermal maturity and the hydrocarbon-generating potential of the shales.

The results from this work have been presented in PTTC workshops, geological society meetings, and professional seminars and published in the literature listed below:

L. T. ...

To view a presentation on the Bossier-Haynesville Shale, visit [www.enrg.lsu.edu/presentations](http://www.enrg.lsu.edu/presentations)

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CES Professional-in-Residence Mike McDaniel and research associate Lauren Stuart hosted a demonstration of the ridesharing management software GreenRide October 27. The goal of the demonstration was to introduce the system to LSU, city, and state organizations to

In early 2008, the Center initiated an in-house monthly seminar series on current energy policy research and industry issues.

"The series provides a forum for our researchers to report on their projects and invite input from other researchers," said Wumi Iledare, series coordinator.

The 2008 seminar series included

- "A Review of Unconventional Hydrocarbon Resources," by Mark Kaiser;
- "Underground Hydrocarbon Storage: Issues & Trends," by David Dismukes;




*The Center for Energy Studies conducts, encourages, and facilitates research and analysis to address energy-related problems or issues affecting Louisiana's economy, environment, and citizenry. Whether conducted by its staff or by others it supports, the Center's goal is to provide a balanced, objective, and timely treatment of issues with potentially important consequences for Louisiana.*

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