

Energy Study Symposium
January 28, 2009
Senate Chambers

- 8:00 a.m. **Welcome and Opening** – Senator Jim Merritt and Representative Win Moses
- 8:05 a.m. – 8:30 a.m. **Energy Efficiency and Federal Carbon Legislation** – David Phippen, Office of the Governor
- 8:30 a.m. – 9:00 a.m. **Energy 101: From Mega-Watts to Therms, How Energy Works and the Current State of Generation in Indiana** – Chairman David Hardy, IURC
- 15 Minutes Per Speaker**
15 Minutes Q&A (In Total For All at End of Each Session)
- 9:00 a.m. – 10:00 a.m. Session 1: **Transmission: Beyond Just in Time/Just Enough Philosophy:** (*Topics: Indiana Needs, Technology, Net Metering, Cost Analysis and Financing, Renewable Impact to Grid and Planning, Incentives to Facilitate Needs*)
- a) Transmission Planning, Extreme High Voltage (EHV)
Consumer Needs Aging Infrastructure, Cue – Graham Edwards, MISO
 - b) Federal Perspectives and Needs – Christopher Miller, FERC
 - c) Net Metering and Impact – Stan Pinegar, Indiana Energy Association
- 10:00 a.m. – 11:15 a.m. Session 2: **The Next Generation of Generation** – (*Topics: Cost Comparisons of All Alternatives – Storage, Clean Coal, Nuclear, Technology Today and Future Needs, Availability of All Alternatives, Indiana Needs, Incentives to Facilitate Needs, Cost Analysis and Financing, Impact to Consumers*)
- a) Financial Outlook and Analysis – Richard Cortright, Standard and Poors
 - b) Non-CO2/Low CO2 Advanced Technology – Ray Hruby, UP, Site Support Services
 - c) Carbon/Renewables – Jesse Kharbanda, Hoosier Environmental Council
 - d) Issues Affecting Natural Gas Supply – Jeff Petrash, American Gas Association
- 11:30 a.m. Working Lunch for Legislators
- 11:30 a.m. – 12:45 p.m. Session 3: **Smart Grid: Energy Efficiency and Conservation** – (*Topics: Benefits to Consumers, Demand Side Management, Green Buildings, Technology Today – Future Needs, Impact to Generation and Transmission*)
- a) Energy Efficiency/Smart Grid: Analysis of Overall Importance – Mike Oldak, Edison Electric Institute
 - b) Conservation as Key to the Future – Kerwin Olson, CAC
 - c) Telecommunications Perspective, Role of communications technology on Load Management – John Koppin, ITA
 - d) Jim Stanley, President of Duke Energy
- 12:45 p.m. – 2:15 p.m. Session 4: **Home-Grown Energy: Indiana’s Role and True Impact in Green Jobs** – (*Topics: Alternative Fuel, Impact to Consumer, Manufacturer Update and Technology Advances, Shale for oil and gas, Indiana’s Role in Renewable Automobile Fuel, Reducing Dependency on Foreign Oil*)
- a) Indiana Economic Development Role – Charlie Smith, Country Mark
 - b) Economic Development and National Perspectives – Carol Tombari, National Renewable Energy Lab (NREL)
 - c) Lithium Battery Technology and Research in Indiana – Paul Mitchell, Indiana Energy Systems Network

- d) Industrial User Perspective – Dave Johnson, Eli Lilly representing INDIEC
- e) Eric Cotton, Vice President of Indiana Renewable Energy Association

2:15 p.m.

Thank You and Close – Senator Jim Merritt and Representative Win Moses