Proactive Partnerships and Opportunities for Kansas Businesses

William L. Eastman
Director – Environmental Services
Westar Energy

Sustainability Seminar: Greenhouse Gases; Carbon Taxes and Trading; and Carbon Sequestration
Kansas State University
January 6-8, 2010
Key operational facts

- Pure-play electric
- Rate regulated
- \( \approx 6,800 \text{ MW of fuel-diverse generation} \)
- \( \approx 700,000 \) customers
- Very low retail utility rates
1) Steam Electric
2) Combustion Turbines
3) Wind
4) Combined Cycle
On leading edge of largest capital expansion plan in 30 years

- Expect to more than double net plant investment in ≈ 6 years
- Diversified, scalable approach
Greenhouse Gas Partnership

The Greenhouse Gas Challenge
While Addressing Our Customers' Energy Needs

A Strategic Plan For
A Carbon Constrained World

Our Mission
Westar Energy provides safe, reliable, high quality electric energy service at a reasonable price to all customers.
Proposed and Existing Wind Projects in Kansas

January 2010
Windpower
Windpower

South String Turbines
Wolf Creek Up-rate
Energy Efficiency Business Unit

News

- KHRC launches Cash for Appliances. Learn more.
- WattSaver Programmable Thermostat Program
- Are you an ag producer or rural small business? You may qualify for renewable energy and energy efficiency funding
- Information on federal stimulus money for clean, efficient energy
- Take Charge Challenge (Salina)
Smart Grid
Smart Grid
Energy Center Efficiency Projects
Unit retirement
Discontinue fuel oil combustion
Westar Energy: Comparison of CO2 Emission Reduction Measures

- Additional Wind Generation
- Additional Gas CTG Generation
- Plant Efficiency Improvements
- AMI/DSM/Energy Efficiency/SF6 Programs
Taken from EIA Annual Energy Outlook 2009
- Includes efficiency, new renewables, new
- Assumes no CO2 capture
Questions?

Bill Eastman
Director, Environmental Services
785-575-8142
bill.eastman@westarenergy.com