



Next Steps

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Presentation Outline

- DOE Energy Assurance Grant
- Follow-On Collector System Work
- Task 1
- Task 2
- Task 3
- Schedule and Next Steps



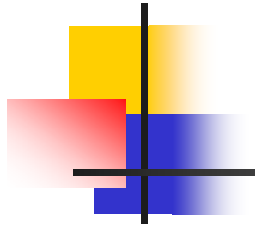


DOE Energy Assurance Grant

- Inherent flexibility
- \$248,XXX
- “The funds focus on developing new, or refining existing, plans to integrate new energy portfolios (renewables, biofuels, etc) and new applications.....into energy assurance and emergency preparedness plans.”



Follow-on Collector System Work



<u>Task/Subtask</u>	<u>Status</u>
Task 1 - Technical Analysis	
1.1 Develop Analysis Scenarios	Complete
1.2 Perform Reliability Analysis	Complete
1.3 Update Energy Corridor Map (Task 1)	Start 2/1
1.4 Estimate Costs	Complete
1.5 Summarize Collector System Design Alternatives	Complete
Task 2 – Develop Commercial Structure Options 2/1	Start
Task 3 – Analyze Natural Gas/Wind Energy Integration 2/1	Start



Task 1 – Update Energy Corridor Map

Background

- WREZ QRAs 2009
- West-wide Energy Corridor Programmatic EIS 2009
- Sage-grouse core habitat mapping 2009
- Other Wyoming corridor mapping efforts

Goal

- Update recent (2006) constraint and opportunity corridor map considering WREZ QRAs, West-wide PEIS, Sage-grouse core habitat mapping, and other information as appropriate to facilitate further collector system planning.





Task 2 - Develop Commercial Structure Options

Subtask 2.1

- **Assess Existing Commercial Structures**
 - Collect publicly available information on commercial structures used elsewhere in the US to develop a wind collector system

Subtask 2.2

- **Propose Candidate Commercial Structures**
 - Analyze advantages and shortcomings for Wyoming and recommend commercial structure(s) and characteristics most suitable for a Wyoming collector system





Task 3 - Analyze Natural Gas and Wind Integration

Subtask 3.1

■ Step 1 – Scoping

- Describe key issues associated with using natural gas-fired electricity generation to compensate for the increased penetration of wind generation anticipated in Wyoming
- Identify possible policy options for consideration by the State of Wyoming





Schedule and Next Steps

- February 1, 2010 – Begin work on previously unfunded collector system tasks
 - Subtask 1.3 – Update Energy Corridor Map
 - Task 2 – Develop Commercial Structure Options

- February 1, 2010 – Begin work on new DOE Energy Assurance Task
 - Analyze Natural Gas/Wind Integration

