Advanced Conversion Technologies Task Force Meeting  
Draft Minutes  
Friday, May 23, 2014  
University of Wyoming Energy Innovation Center  
Laramie, Wyoming

**ACTTF Members Present:** Paul Lang (Chair), David Emery, Carl Bauer, Jim Anderson, Jeane Hull, Rob Hurless, Cindy Crane

**ACTTF Members Absent:** Tom Lockhart (Vice-Chair), Rob Wallace, Tom Botts

**SER Staff in Attendance:** Mark Northam, Diana Hulme, Mary Byrnes, Abby Scott, Trish Steger

**Others Attending:** Wendy Lowe, Peabody Coal; Elizabeth Krista Laursen, UW Project Manager, Office of the President; Elizabeth Lyon, Wyoming Attorney General’s Office

**Agenda:**
1) Approval of Agenda  
2) Approval of Minutes from the March 18, 2014 meeting  
3) Discussion of Integrated Test Center – Rob Hurless  
4) Clean Coal Technology Research Symposium – Diana Hulme  
5) Discussion of Future Task Force Meetings  
6) New business – Directions for next meeting  
7) Adjourn

**Summary of Action Items from Meeting:**
1. Approval of Agenda – Jeane Hull moved to approve the agenda as presented. Carl Bauer seconded the motion. The motion passed unanimously.
2. Approval of Minutes from the March 18, 2014 meeting – A motion to accept the minutes from the March 28, 2014 meeting was made by Carl Bauer and seconded by Jeane Hull. The motion passed unanimously.
5. Discussion of Future Task Force Meetings - No action taken.
7. Adjourn
MEETING DETAILS:

1. Approval of Agenda
   
   Summary: The Task Force voted to approve the agenda as presented.

   Action Taken: Jeane Hull moved to approve the agenda. Carl Bauer seconded the motion. The motion passed unanimously.

2. Minutes from March 28, 2014
   
   Summary: The Task Force voted to approve the minutes from the March 28, 2014 meeting.

   Action Taken: A motion to accept the minutes from the March 28, 2014 meeting was made by Carl Bauer and seconded by Jeane Hull. The motion passed unanimously.

3. Discussion of Integrated Test Center – Rob Hurless
   
   Background: The Integrated Test Center (ITC) consists of a $15 million appropriation in the 2014 legislative session under section 334 of the state budget bill to the Wyoming governor’s office for design, construction and operation of an Integrated Test Center (ITC) to study the capture, sequestration and management of carbon emissions from a Wyoming coal fired power plant. Allocation of test bay space in the ITC would be determined in a manner of the Xprize Foundation. The Xprize is a focused contest with specific rules for competition that would, in Wyoming’s case, challenge researchers to 1) improve efficiency of carbon capture, and 2) develop a beneficial use of CO₂ at utility scale. The Joint Appropriations Committee would also like to see additional test bays beyond the contest test bays, which will be executed under yet to be determined Wyoming law. In the legislation, the Task Force is assigned several activities, including:
   
   - Establishment of a cooperative effort with SER for construction, management and operations of the ITC
   - Sign off on facility design to accomplish stated objectives
   - The ability to stop progress on the project

   On or before August 31, 2014, the Task Force is to provide recommendations for further legislative action necessary to secure projects for the ITC that have the potential to deliver public benefit to the state of Wyoming. The Task Force should also allow time for review of their recommendations by the Wyoming attorney general’s office prior to the August 31, 2014 report date to the select committee.

   Summary: Rob Hurless began discussion of the Integrated Test Center (ITC) by presenting two key considerations. The first is that the legislation for the ITC indicates the $15 million fund is to be used for design, construction, and operation of a test facility. This does not include funding for other up-front expenses such as conceptual design and request for proposal preparation. This could amount to approximately $600,000 in costs not accounted for in the legislation but that are necessary for fully implementing the legislation. The language in the legislation also does not take the costs or burden of decommissioning and reclamation of the test site into consideration. The second issue Rob presented is the need
to understand the intent of the language in the legislation to distinguish between use of the funds for capital expenditures or operational expenditures or both.

Rob reported that work is currently underway to establish project timelines for the ITC effort. He estimated that it would take close to 36 months before the Advanced Conversion Technology Task Force (ACTTF) has competitors working in the research bays. An optimistic estimate for the launch of the contest is before the end of 2014, followed by a 14–15 month construction period. Rob noted that the ITC Working Group is working with the Tri-State Generation and Transmission Association, Prize Capital, LLC, and the Xprize Foundation on considerations relevant to the use of public money for the effort. The schedule must accommodate additional time for legal issues and other protocols associated with public funds, such as bidding processes.

Chairman Paul Lang requested a summary of what the ACTTF is obliged to do within the next few months. Rob reported that the ITC Working Group will continue to keep the ACTTF informed and bring any problems and plans to the ACTTF for their review and input without becoming a burden on ACTTF members’ time. Rob asked that the ACTTF continue to ask questions of the ITC Working Group throughout the process. Cindy Crane suggested that the ITC Working Group create a bulleted list that describes what is entailed in being a host facility. She recommended that such a list include information on security needs, building requirements, etc. Carl Bauer proposed that the ITC Working Group generate a statement to list the benefits the utilities would gain by hosting a project.

Rob gave a brief overview of the agenda for the ITC workshop/meeting to be held the week following the ACTTF May 23, 2014 meeting.

Action Taken: No action taken.

1. **Clean Coal Technology Research Symposium – Diana Hulme**
   
   Summary: Diana Hulme directed the Task Force to the draft agenda for the 2014 Clean Coal Symposium printed in the meeting notebooks. She reported that Abby Scott is currently collecting presentation abstracts from presenters. Diana and Abby will send abstracts to the Task Force for their review prior to the symposium. Diana asked if any of the Task Force members were interested in acting as a moderator during the symposium.

   Action Taken: No action taken.

   Comments: Mark Northam suggested sending the agenda for the symposium to venture investment companies prior to the symposium and once the agenda has been finalized. Mark said he would compile a list of companies to target.

2. **Discussion of Future Task Force Meetings**
   
   Summary: The Task Force discussed changing the format and frequency of its meetings given that the Clean Coal/Advanced Conversion Technology Research Fund projects are
nearing completion. The Task Force agreed to continue with the current frequency and format of meetings given its new responsibilities associated with the Integrated Test Center.

*Action Taken:* No action taken.

3. **New business – Directions for next meeting**
   
   *Summary:* The next meeting will be held Friday, August 22, 2014 in Laramie in conjunction with the Clean Coal Technology Fund Research Symposium.

   *Action Taken:* No action taken.

**Meeting adjourned at 1:10 p.m.**

Respectfully Submitted:

________________________________________  ________________________
Paul Lang      Tom Lockhart
Chairman        Vice-Chairman