Advanced Conversion Technologies Task Force Meeting  
Friday, November 14, 2014  
University of Wyoming Energy Innovation Center  
Laramie, Wyoming

ACTTF Members Present: Paul Lang (Chair), Tom Lockhart (Vice-Chair), Carl Bauer, Jeane Hull, Rob Hurless, Tom Botts, Jim Anderson, Cindy Crane

ACTTF Members Absent: Jim Anderson, Cindy Crane, Rob Wallace, David Emery

SER Staff in Attendance: Mark Northam, Diana Hulme, Mary Byrnes, Abby Scott, Catherine Harris, Rachel Ferrell

Others Attending: None

Agenda:

1) Approval of Agenda
2) Approval of Minutes from the August 22, 2014 meeting
3) ITC update – Rob Hurless
4) Technology demonstration and commercialization
5) 2007 Clean Coal interest funds
6) Maohong Fan 2012 project update
7) Update on other projects
8) New business/Direction for next meeting
9) Adjourn

Summary of Action Items from Meeting:

1. Approval of Agenda – Vice-Chairman Tom Lockhart moved to approve the agenda. Jeane Hull seconded the motion. The motion passed unanimously.
2. Approval of Minutes from the August 22, 2014 meeting - A motion to accept the minutes from the August 22, 2014 meeting was made by Vice Chairman Tom Lockhart and seconded by Jeane Hull. The motion passed unanimously.
3. ITC update – Rob Hurless – On behalf of the Task Force, Rob Hurless and Carl Bauer will draft a letter to Governor Mead recommending continuation of the ITC project.
4. Technology demonstration and commercialization – No action taken.
5. 2007 Clean Coal interest funds – Before January 1, 2015, SER will draft an RFP to conduct a technical and economic feasibility study for a “coal engineering” facility in Wyoming.
7. Update on other projects – No action taken.
9. Adjourn – Vice-Chairman Tom Lockhart moved to adjourn the meeting. Carl Bauer seconded the motion. The motion passed unanimously; meeting was adjourned at 1:30 p.m.
MEETING DETAILS:

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

   **Action Taken:** Vice-Chairman Tom Lockhart moved to approve the agenda. Jeane Hull seconded the motion. The motion passed unanimously.

2. **Minutes from May 23, 2014**
   
   **Summary:** The Task Force voted to approve the minutes from the August 22, 2014 meeting.

   **Action Taken:** A motion to accept the minutes from the August 22, 2014 meeting was made by Vice Chairman Tom Lockhart and seconded by Jeane Hull. The motion passed unanimously.

3. **ITC update – Rob Hurless**
   
   **Summary:** Rob Hurless provided an overview of efforts to date on the Integrated Test Center (ITC). He reiterated the two objectives of the project: 1.) to investigate new technologies and the associated economics for separating CO$_2$ out of a flue gas stream; and, 2.) turning the CO$_2$ into a beneficial use at the utility scale. Since the inception of the ITC project, the working group, which was appointed by Governor Mead, has addressed the major roadblocks identified early on in the project. Rob reported that several project partners have come forward to potentially form a consortium that would move the project forward. A meeting will be held in early December 2014 to consider the creation of such a consortium and the next steps for the ITC project. Rob asked the Task Force to sign off on a letter to Governor Mead recommending continuation of the ITC project.

   **Action Taken:** Rob Hurless and Carl Bauer will draft an ITC recommendation letter for the Task Force’s approval.

4. **Technology demonstration and commercialization**
   
   **Summary:** Mark Northam led continued discussion on the Task Force’s role in moving promising Advanced Conversion Technology Fund (ACTF) into commercialization. The Task Force agreed that at this time it might be best to connect ACTF-funded researchers with the Wyoming Business Council to pursue commercialization efforts.

   **Action Taken:** No action taken.

5. **2007 Clean Coal interest funds**
   
   **Summary:** Diana Hulme presented the Task Force with the Wyoming Attorney General’s Office’s legal recommendations regarding spending of the 2007 Clean Coal Technology Fund (CCTF) interest money in the amount of $272,868.07 (as of November 4, 2014). Given those recommendations, Diana also presented the Task Force with a list options for deploying the funds. The preferred option agreed upon by the Task Force was that SER should release a
Request for Proposals (RFP) to conduct a technical and economic feasibility study for a “coal engineering” facility in Wyoming.

*Action Taken:* SER will draft an RFP before January 1, 2015.

6. **Maohong Fan 2012 project update**
   *Summary:* Diana Hulme updated the Task Force on developments with Dr. Fan's 2012 ACTF project. SER allowed Dr. Fan until November 30, 2014 to secure matching funds to replace those he had previously received through the Western Research Institute (WRI). Dr. Fan has secured match by teaming up with Brigham Young University (BYU) faculty member Dr. Morris Argyle. The University of Wyoming Office of Research and Economic Development is currently working with the BYU research office to finalize the contract. Dr. Fan’s project will be completed in March 2016.

The Task Force expressed its continued interest in conducting an independent review of the contract termination between Dr. Fan and WRI. Diana Hulme informed the Task Force that she has gathered several recommendations for potential reviewers.

*Action Taken:* No action taken.

7. **Update on other projects**
   *Summary:* Diana Hulme provided a brief overview of the progress of ongoing ACTF projects. There are currently no issues with deadlines or spending, and projects are wrapping up smoothly.

*Action Taken:* No action taken.

8. **New business/Directions for next meeting**
   *Summary:* No new business or direction for next meeting was discussed.

*Action Taken:* No action taken.

9. **Adjourn**
   *Summary:* The next meeting will be held Friday, March 28, 2014 in Laramie.

*Action Taken:* Vice-Chairman Tom Lockhart motioned to adjourn, and Carl Bauer seconded the motion. The motion passed unanimously.

**Meeting adjourned at 1:30 p.m.**

Respectfully submitted:

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Paul Lang                              Tom Lockhart
Chairman                                Vice-Chairman