Advanced Conversion Technologies Task Force Meeting  
Friday, August 22, 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

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

SER Staff in Attendance: Mark Northam, Diana Hulme, Mary Byrnes, Abby Scott, Trish Steger, Catherine Harris, Nadia Kaliszewski

Others Attending: None

Agenda:
1) Approval of Agenda  
2) Approval of Minutes from the May 23, 2014 meeting  
3) Feedback on Clean Coal Symposium  
4) Discussion: Should SER and/or ACTTF seek a role in commercialization  
5) Annual Report to Joint Minerals Committee  
6) Integrated Test Center – Rob Hurless  
7) Update on $9M for Conversion in Governor’s Office – Rob Hurless  
8) LNG Study – Rob Hurless  
9) Discuss Remaining Funds (Interest) - Diana  
10) New Business/Direction for Next Meeting  
11) Adjourn

Summary of Action Items from Meeting:
1. Approval of Agenda - Carl Bauer moved to approve the agenda. Tom Botts seconded the motion. The motion passed unanimously.
2. Approval of Minutes from the May 23, 2014 meeting - A motion to accept the minutes from the May 23, 2014 meeting was made by Vice Chairman Tom Lockhart and seconded by Jeane Hull. The motion passed unanimously.
4. Discussion: Should SER and/or ACTTF seek a role in commercialization – No action taken.
5. Annual Report to Joint Minerals Committee - Members of the Task Force will submit their comments on the report to Diana Hulme by the first week of September.
6. Integrated Test Center – Rob Hurless – Rob will compile up-to-date information to get to the Task Force before the November meeting.
7. Update on $9M for Conversion in Governor’s Office – Rob Hurless – No action taken.
8. LNG Study – Rob Hurless – No action taken.
9. Discuss Remaining Funds (Interest) – For the next meeting, SER staff will propose some recommendations for how to spend the interest remaining from the 2007 Clean Coal Technology Fund to the Task Force.
10. New Business/Direction for Next Meeting - SER will work with the members of the Task Force to complete the audit of Dr. Maohong Fan’s 2012 ACTF project.
11. Adjourn
MEETING DETAILS:

1. **Approval of Agenda**
   
   **Summary:** The Task Force voted to approve the agenda as presented.
   
   **Action Taken:** Carl Bauer moved to approve the agenda. Tom Botts seconded the motion. The motion passed unanimously.

2. **Minutes from May 23, 2014**
   
   **Summary:** The Task Force voted to approve the minutes from the May 23, 2014 meeting.
   
   **Action Taken:** A motion to accept the minutes from the May 23, 2014 meeting was made by Vice Chairman Tom Lockhart and seconded by Jeane Hull. The motion passed unanimously.

3. **Feedback on Clean Coal Symposium**
   
   **Summary:** The Task Force agreed that feedback from the August 20-21, 2014 Clean Coal Symposium was positive regarding the content, speakers, and audience participation. Feedback from attendees indicated that there is broad support for moving some projects towards commercialization.
   
   **Action Taken:** No action taken.

4. **Discussion: Should SER and/or ACTTF seek a role in commercialization?**
   
   **Summary:** The Task Force discussed two major impediments to commercial scale-up of technologies developed through the Advanced Conversion Technologies Fund: high costs and long timeframe associated with scale-up. Mark Northam noted that current U.S. Department of Energy administrators are supportive of moving new technologies through the “valley of death” – a leap from pilot to commercial scale which many technologies fail to make due to high capital costs – and channeling Wyoming for hosting demonstrations. The Task Force discussed possible options for supporting successful technologies, including facilitating exposure with private sector investors, assisting in securing matching funds for commercial scale-up, and exploring further support from the Wyoming Legislature.
   
   **Action Taken:** No action taken.

5. **Annual Report to Joint Minerals Committee**
   
   **Summary:** Diana Hulme presented the Task Force with the 2014 draft annual report of the Advanced Conversion Task Force for the Joint Minerals, Business, and Economic Development committee to the Task Force and asked Task Force members to submit any edits or comments to the draft to her by the first week of September.
   
   **Action Taken:** Members of the Task Force will submit their comments on the draft report to Diana Hulme by the first week of September.
6. **Integrated Test Center – Rob Hurless**

*Summary:* Rob Hurless reported on progress being made to address major impediments to the Integrated Test Center, such as securing non-state matching funds, addressing questions regarding air quality permitting, and estimating the real cost of construction and pre-design activity. Work on addressing major issues will be presented to Governor Mead in mid-October, and Rob will compile up-to-date information to get to the Task Force before the November meeting.

*Action Taken:* No action taken.

7. **Update on $9M for Conversion in Governor’s Office – Rob Hurless**

*Summary:* Rob Hurless updated the Task Force on the $9 million originally appropriated in 2012 to the Task Force for construction of facilities to convert minerals to value-added products. The legislation appropriating the funds was amended in 2013 to change stewardship of the funds from the Task Force to the Governor’s office. The funds revert on June 30, 2016.

*Action Taken:* No action taken.

8. **LNG Study – Rob Hurless**

*Summary:* Rob Hurless reported that a final copy of the LNG study is now available and that the Governor’s office has been active in holding press conferences and workshops to present the result of the study.

*Action Taken:* No action taken.

9. **Discuss Remaining Funds (Interest)**

*Summary:* Diana Hulme reported to the Task Force that SER was recently contacted by the Wyoming Department of Administration and Information (A&I) accounting office regarding interest accrued on the 2007 Clean Coal Technology Fund. As of June 30, 2014, interest generated on the account is $271,421.26. Both SER and A&I were unclear as to whether there would be restrictions on how the interest could be spent. A&I asked for an opinion on this from the Wyoming Attorney General’s Office, which concluded that the most defensible way to spend the 2007 fund interest would be according to the same parameters as the corpus – meaning a dollar-for-dollar non-state match would be required in order to spend any of the interest. The interest funds will revert when the Task Force ends, which is currently June 30, 2017.

*Action Taken:* For the next meeting, SER staff will propose some recommendations for how to spend the interest remaining from the 2007 Clean Coal Technology Fund to the Task Force.

10. **New Business/Directions for next meeting**
Summary: Diana Hulme brought to the attention of the Task Force an issue with Dr. Maohong Fan’s 2012 Clean Coal Technology Fund project. Issues that arose between Dr. Fan and his subcontractor, Western Research Institute (WRI), resulted in termination of the subcontract. Diana reported that she and Mark Northam have advised Dr. Fan to discontinue work on the project until he is able to secure matching funds to replace WRI’s contribution to the project. The Task Force was in agreement that if Dr. Fan is unable to secure replacement match, he will have to reduce his scope of work and conclude the project early. The Task Force also agreed that a neutral third party expert should conduct an audit of the technical difficulties that prompted the termination of the subcontract.

Action Taken: SER will work with the members of the Task Force to facilitate the audit of the project.

11. Adjourn

Summary: The next meeting will be held Friday, November 14, 2014 in Laramie in conjunction with the University of Wyoming Board of Trustees meeting.

Action Taken: No action taken.

Meeting adjourned at 3:00 p.m.

Respectfully Submitted:

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Paul Lang      Tom Lockhart
Chairman      Vice-Chairman