

**Minutes of the University of Wyoming Energy Resources Council  
January 26, 2007**

Council members present:

Mark Davies – General Manager, Rio Tinto Energy America  
Ron Harper – CEO & General Manager, Basin Electric Power Coop, (Council Chairman)  
Paul Lang – President Western Operations, Arch Coal Inc.  
Keith Rattie – Chairman, President & CEO, Questar Corporation  
Tom Stroock – CEO, Alpha Development Corp; former US Ambassador  
Rob Wallace – Manager, Government Relations, G.E. Energy  
Ex officio, RIENR Director Harold Bergman

Council members absent:

Representative Tom Lockhart (Council Vice Chairman)  
Bobby Shackouls – Chairman (retired), Burlington Resources Inc.  
Ex officio, UW President Tom Buchanan

**Welcome and Approval of the Agenda and Minutes**

Chairman Ron Harper called the meeting to order. Keith Rattie motioned and Mark Davies seconded that the agenda and minutes be accepted. The motion passed unanimously. (Agenda-Appendix A) (Minutes 11/30/06-Appendix B)

**Update on Director Search**

Dr. Carol Frost gave an updated summary stating that 19 applicants met the qualifications; ten were from industry, six were from academia, and three were from National Labs. Out of those, four were brought to UW for in person interviews with the search committee. Out of those four, two were from industry, and two from academia. Four more interviews are being scheduled for the upcoming month. Frost invited the council to consider combining their next in-person meeting in March with possibly sitting in on some of the interviews. Council members expressed that their busy schedules could make it difficult for them to participate fully. The question arose again as to what is the involvement of the council in the search. Council member, Keith Rattie, re-stated from the November 30, minutes that the conclusion to this question is that the council will only be involved at the final stage of the search process.

**Update on Industry Survey**

Ron Harper reviewed the task taken on by council members at their November meeting of compiling contact names and phone numbers of energy industry leaders with the purpose of working together with Professor Burke Grandjean of Wyoming Survey & Analysis Center (WYSAC) to produce a telephone survey of four questions. These questions would be used to assist in determining the kind of qualifications energy companies are looking for in graduates, and to determine the kind of needs energy companies have. By conducting this survey the council could help create opportunities

to help UW produce strong energy industry leaders and programs to assist the energy industry. It was decided that Frost would get Grandjean connected with Rattie to establish four questions to be presented to the council at the February 23<sup>rd</sup> meeting.

#### **Update on hiring of four Distinguished Faculty**

Frost stated that these searches were ongoing with strong candidates applying.

#### **Update on Fundraising Activities**

Chris Spooner, from the UW Foundation gave an update by reviewing the recent \$12 million given to UW's School of Energy Resources. Encana Oil & Gas has pledged \$5 million, Nielson & Associates has gifted \$5 million, and Shell Exploration & Production Company has gifted \$2 million. These gifts are eligible for state matching funds.

Spooner also stated that there has been an ongoing relationship with ConnocoPhillips, Ultra Petroleum, and Anadarko Petroleum with the hopes of financial support.

#### **Update on Academic Activities**

Frost summarized by stating that the High School summer institute is well under way, along with the recruiting of teachers. There have been seven approved matching grant fund proposals, along with a campus wide curriculum development, and a request for graduate assistantships to do research. Frost answered Rattie's question about the status of the Petroleum Engineering program, by stating that it restarted last year with 20 students to graduate a year from now with an anticipated 100 students in the program within the next eight years.

#### **Update on Legislative Session and NCAR**

Rick Miller was available to give an update on both of these topics, so they were discussed out of sequence. Miller summarized the House Bill 0301, clean coal technology, by stating that the School of Energy Resources is working with faculty members in forming a public policy debate. The bill proposes utilizing the Energy Resource Council as a task force to review and evaluate methods to enhance research into clean coal technologies, and to create a facility to carry this out. Miller urged the council not to be upset as to how the appropriation comes out, since the idea is to fund a process of moving forward with clean coal technology. He encouraged the council to support the bill.

Miller also stated that there is a great deal of enthusiasm and excitement about NCAR building its super computer in Wyoming, but addressed two challenges with NCAR:

- 1) It is difficult for people to grasp the benefits of what it will mean to them since they won't see those benefits initially.
- 2) It is difficult to have a large ticket item in the middle of the legislative session, and try to envision the outcome and impact it will have for the state.

The council offered their congratulations and Rattie stated that the ERC has a role along with UW, and this will be defined as the situation develops. Miller added that one of the

reasons for UW to be involved will be to address issues with energy, and to attract scientists to UW.

Chairman Harper announced that Senator Chuck Townsend would be replacing Senator Bill Hawks on the Energy Resource Council and it will be announced at the appropriate time.

### **Update on Outreach**

Frost updated the council on the current activities:

- 1) The School of Energy Resources new brochure.
- 2) The WIA report.
- 3) WCC Energy Resource Management project.
- 4) Biogenic methane Webinar on February 27.
- 5) ASMR sponsorship in Gillette in June.
- 6) Ron Oxburgh speaking at UW on January 29 from the speaker series.

Chairman Harper noted the Coal Gasification seminar is scheduled for February 28.

### **Update on Financial Report**

The financial report is Appendix C.

### **Upcoming Meetings**

Frost stated that the Enhanced Oil Recovery Institute Board would like to meet with the ERC at their March meeting, and we would keep the ERC updated on this meeting. The ERC will also be meeting with the Board of Trustees at the March meeting.

### **Action Items**

- 1) Chairman Harper will talk with UW President Buchanan about the ERC's involvement with the Director search and report on this at the February 23, 2007 ERC meeting, which will be a teleconference call.
- 2) Keith Rattie will speak with Burke Grandjean and work on a draft of four questions to be used in a survey of industry, and present them at the February 23 meeting.

The meeting adjourned at approximately 10:30.

Respectfully submitted,

Ron Harper, Chairman

## Appendix A

### **Agenda – January 26, 2007 Energy Resource Council Meeting**

- 1) Review of Minutes from 11/30/2006
- 2) Update on the search for the Director
- 3) Update on the searches for SER professorships
- 4) Update on fundraising activities
- 5) Update on academic activities
- 6) Update on Outreach
- 7) Financial Report
- 8) Possible Update on NCAR

## Appendix B

### **Minutes of the University of Wyoming Energy Resources Council September 11, 2006**

#### Council members present:

Ron Harper – CEO & General Manager, Basin Electric Power Coop, (Council Chairman Representative Tom Lockhart (Council Vice Chairman)  
Keith Rattie – Chairman, President & CEO, Questar Corporation  
Bobby Shackouls – Chairman (retired), Burlington Resources Inc.  
Tom Stroock – CEO, Alpha Development Corp; former US Ambassador  
Ex officio, UW President Tom Buchanan  
Ex officio, RIENR Director Harold Bergman

#### Council members absent:

Mark Davies, General Manager - Rio Tinto Energy America  
Senator Bill Hawks  
Paul Lang, President - Western Operations, Arch Coal Inc.  
Rob Wallace – Manager, Government Relations, G.E. Energy

The Council meeting convened at approximately 1:00 p.m. on September 11, 2006 through a conference call in the UW Presidents Board Room.

#### **Welcome and Approval of the Agenda and Minutes.**

Chairman Ron Harper called the meeting to order. Bobby Shackouls moved and Tom Stroock seconded that the agenda for the meeting be accepted, and the motion passed unanimously. The agenda is attached as Appendix A to these minutes.

Bobby Shackouls and Tom Stroock seconded that the minutes from the meeting on August 10 – 11, 2006, be approved, with corrections identified by Tom Lockhart, and the motion passed unanimously. A copy of the approved minutes from the August 10 – 11 council meeting is attached as Appendix B

#### **Financial Report**

UW Vice President for Academic Affairs Myron Allen summarized the financial report, clarifying a question from Chairman Harper that the UW fiscal year ends 6/30/2006. The financial report reflects amounts based on 7/1/2006 until 6/30/2007, not a full year. Chairman Harper requested the report be changed to reflect an original amount budgeted for the year, YTD amount spent, and an amount for obligated funds to the end of the year. Allen stated it would be changed. Allen also clarified that the salary amounts would include salary, advertising expenses to fill the four Professorship positions, and moving expenses, but that in the following year, the entire salary amount would be salary. A copy of the financial report is attached as Appendix C.

### **SER Director**

Vice President Allen introduced Carol Frost, Interim Director to the Council, and she summarized her duties and the initial scope of the work for Interim Director. They will include: searching and hiring a permanent director by chairing a search committee of which people have begun to be selected, oversee the hiring of the first four professorships, identifying space for the Director and staff, and assisting UW Vice President of Institutional Advancement Ben Blalock in fundraising by serving as spokesperson for the School of Energy. Frost stated that she would support the School of Energy Academic Coordinator Andy Hansen, and Engineering related fields, and would value any input the council could give her.

Vice President Allen gave an update on what has been done to procure a permanent director by explaining that an advertising schedule is in place in a diverse selection of periodicals which include Mathematics, Engineering, Physics, Economics, Oil & Gas, and Geophysics. The Council discussed the search process for a director indicating that it was the legislature's original intention that the largest sweep possible be made for a director; whether a search firm should be used; the background the candidate should have since the position involves a combination of several energy related areas. All members are to send Vice President Allen names of reputable search firms. A copy of the employment ad used for the Director is attached as Appendix D.

Vice President Allen explains two ways council members could be involved in the process of hiring the director. One is on the front end, which is where we are now, by recommending people, and providing guidance from an industry perspective. Secondly, members could be involved with the final interviewing process. President Buchanan stated that the council would be kept apprised on a regular basis of the status of the search.

President Buchanan explained that the director will report to the VP of Academic Affairs, who reports to the President, and who ultimately reports to the Board of Trustees. The Director will necessarily keep UW Energy Resources Council apprised of the School's activities.

### **Hiring of the Four Authorized Professorships**

Frost stated that these searches are underway, and individual departments would be placing ads, and will review applications in December, 2006, in hopes of faculty beginning in summer or fall of 2007. This gives quality professors time to wrap up current teaching positions and start at UW. Specific ads can be viewed on the UW web site, and specific job descriptions, which all will include teaching, are communicated to faculty by the hiring dean. A copy of the hiring rationale is attached as Appendix E.

### **Links between Academic Units with the University**

Vice President Allen explained how geology and geophysics, physics, engineering, mathematics, and economics are linked together to assist in solving industry related energy issues. A copy of his handout is attached as Appendix F.

### **Review of Annual Report to the Wyoming Legislature**

Vice President Allen began by addressing a question raised by Chairman Harper about the partnership in paragraph three of Appendix B. Vice President Allen explained that the approved budget includes matching funds with the National Science Foundation to fund five undergraduates to the program in the summer of 2007; however, it may not happen until 2008.

### **Interim Director**

Stroock wanted to go on record strongly endorsing the appointment of Carol Frost as Interim Director, and a motion was made and unanimously accepted to endorse Frost's appointment.

### **Arrangement of Council meeting with Board of Trustees**

President Buchanan discussed the following dates of October 26, December 7, 2006, and January 25, 2007 as possible dates for the council and trustees to meet together, and he would communicate with everyone on an acceptable date.

### **Methods, Plans, and Programs for Contacts and Exchanges of view of Industry Players**

This item was tabled for a later date.

Chairman Harper asked the council and they agreed, if it was acceptable for him to discuss future meeting dates with members and get back to them. Council Members will be notified about a future meeting date when minutes are distributed . He thanked the council for their time.

The meeting adjourned at approximately 3:00.

Respectfully submitted,

Ron Harper, Chairman

Appendix C

**School of Energy Resources Financial First Year Expenditures  
as of January 15, 2007**

		<b>First Year Budget</b>	<b>Left to Spend</b>
<b>ACADEMICS</b>	Budget	\$157,300	\$81,336
Staff (includes EPB, support, undergraduate research, graduate asst, fees)	Expenses	(\$15,898)	
	Encumbrances	(\$60,066)	
<b>Distinguished Faculty - 4</b> (Salary & EPB, Fringe, search, interim instruction, support, colloquial speakers)	Budget	\$1,079,000	\$453,181
	Expenses	(\$625,819)	
	Encumbrances	\$0	
<b>Visiting Professorships</b>	Budget	\$0	\$0
<b>Teaching Internships</b> (Salary, EPB, Fringe)	Budget	\$101,000	\$101,000
	Expenses	\$0	
	Encumbrances	\$0	
<b>Summer Program for H.S students</b> salaries,EPB, expenses	Budget	\$63,600	\$16,773
	Expenses	(\$327)	
	Encumbrances	(\$46,500)	
<b>TOTALS</b>	<b>Budget</b>	<b>\$1,400,900</b>	<b>\$652,290</b>
	<b>Expenses</b>	<b>(\$642,044)</b>	
	<b>Encumbrances</b>	<b>(\$106,566)</b>	

<b>RESEARCH</b>	Budget	\$518,550	\$518,550
Staff (includes EPB, support, equipment, software)	Expenses	\$0	
	Encumbrances	\$0	
<b>Half-time Faculty Appointmnt</b>	Budget	\$410,099	\$410,099
	Expenses	\$0	
	Encumbrances	\$0	
<b>Startup Assistance Fund</b> Laforce	Budget	\$500,000	\$445,000
	Expenses	(\$55,000)	
	Encumbranes	\$0	
<b>Grant Matching Fund</b> Pat Sullivan Paul Heller Jan Kubelka Piri, LaForce Jinke Tang David Bell Vladimir Avarado	Budget	\$500,000	\$155,000
	Expenses	\$0	
	Encumbrances	(\$345,000)	
<b>TOTALS</b>	<b>Budget</b>	<b>\$1,928,649</b>	<b>\$1,528,649</b>
	<b>Expenses</b>	<b>(\$55,000)</b>	
	<b>Encumbrances</b>	<b>(\$345,000)</b>	



		<b>First Year Budget</b>	<b>Left to Spend</b>
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<b>STATEWIDE OUTREACH</b>			
Energy Outreach Center (includes support, editorial & production work, released time for faculty contributor) The Stroock Forum - \$27,000 WRI -2 workshops - \$201,765 Earthscope - \$7900 WY Pipeline Auth/Coal - \$26,500 ASMR - \$5000 WCC - \$10,000	Budget Expenses Encumbrances	\$561,000 (\$76,152) (\$230,286)	\$254,562
<b>TOTALS</b>	<b>Budget Expenses Encumbrances</b>	<b>\$561,000 (\$76,152) (\$230,286)</b>	<b>\$254,562</b>

<b>ADMINISTRATION</b>			
Staff (includes Director, staff, fringe benefits, EPB, support, search expenses) Construction renovations/ office space	Budget Expenses Encumbrances Projected Exp	\$513,100 (\$169,804) (\$86,346) (\$143,000)	\$113,950
<b>TOTALS</b>	<b>Budget Expenses Encumbrances Projected Exp</b>	<b>\$513,100 (\$169,804) (\$86,346) (\$143,000)</b>	<b>\$113,950</b>
<b>Grand Totals</b>		<b>\$4,403,649</b>	<b>\$2,549,451</b>