

**Minutes of the UW Energy Resource Council
May 23, 2008**

Members present:

Representative Tom Lockhart (Council Vice Chairman)
Keith Rattie – Chairman, President & CEO, Questar Corporation
Bobby Shackouls – Chairman, Burlington Resources Inc. (retired)
Paul Lang – President Western Operations, Arch Coal Inc.
Rob Wallace – Manager, Government Relations, G.E. Energy

Members absent:

Ron Harper – CEO & General Manager, Basin Electric Power Coop, (Council Chairman)
Senator Charles Townsend
Tom Stroock - CEO, Alpha Development Corp; former US Ambassador
Tom Buchanan - Ex officio, UW President
Harold Bergman - Ex officio, Director, RIENR

Meeting Attendees:

Mark Northam
Rob Hurless
K J Reddy
Christopher Spooner
Ben Blalock
Pam Henderson
Sarah Schulmeyer
Bill Gern

Welcome and Approval of the Agenda and Minutes

Vice Chairman Tom Lockhart called the meeting to order at 9:05 am. Paul Lang motioned and Bobby Shackouls seconded the March 14, 2008 minutes, the March 14 executive session minutes, and the May 23 agenda be accepted. The motion was passed unanimously. (Minutes Appendix A) (Agenda – Appendix B)

Update on Fundraising

Ben Blalock gave an update on fundraising highlighting funds for the Center. A major push was made in Houston recently with ConocoPhillips, Ultra, and Anadarko. (Fundraising – Appendix C)

Update on Faculty/Staff Hires

Northam gave an update on the faculty hires. Seven positions are confirmed as filled. Northam hopes all ERC can meet new hires at our September 5 meeting. Northam explained three focus areas with hiring faculty. They are:

- A contribution in maximizing recovery of known energy resources.
- A contribution in clean coal technologies.
- A contribution in alternative and renewable energy.

Northam gave an update on the search for a Business Manager, which has resulted in the hiring of David Mornes. (Appendix D).

Update on Matching Grant Funds

Northam gave an update on matching grant funds. (MGF - Appendix E)

Update on Financial Report

Northam gave an update of monies left unspent. \$2 million will be rolled over into the FY09-10 budget. Northam will send an update to the ERC by May 31.

GE Update

Bill Gern gave an update on the GE project. Bob Ballard has been hired as the Project Manager, who brings a tremendous background to the job.

Other Business

Northam had three areas to address:

- Queensland CO2 conference: Northam stated there were two collaborative areas between University of Queensland and UW: collaboration between the University Queensland and UW on the upcoming clean coal offering, and between Clean Coal Research Centers at both organizations.
- A desire among Community Colleges to have an affiliation with SER: Western Wyoming College, Casper Community College, and Gillette College would like to have an affiliation with SER. ConocoPhillips may contribute the funds to make it work.
- Northam is responding to continued interest in SER by speaking at: the WMA annual conference, the Wyoming Infrastructure Authority's Board meeting, NextGen Energy Council Board meeting, and the Western Business Roundtable. Northam and Reddy also recently met with the Nature Conservancy. They would like to have WCC working with them each summer and form a more formal working relationship with the Wyoming Reclamation Research Center.

Bill Gern wanted to update the ERC about UW Professor Mohammad Piri's work with NCAR's new technology, "Blue Fire" as a complement to the EnCana lab. Dr. Piri will now be able to model oil movement on NCAR's existing supercomputer.

Future Meetings

The next ERC meeting will be on Friday, September 5, 2008 in Laramie including:

- A September 4 bar-b-q for SER faculty and ERC to meet.
- A September 5 ERC & CCTF meeting
- A September 6 Football Game in the Presidents Box for a game between UW and Air Force. Please RSVP

Randall Luthi be in Laramie at the same time for any ERC interactions.

Action Items

Northam will submit to the ERC:

- An update on year end financials.
- An updated mission strategy for faculty hiring and research centers.

- A position paper on “Why the Coal Industry Would Benefit from Working with University of Wyoming’s, School of Energy Resources.”

A motion was made by Chairman Lockhart and seconded by Keith Rattie to adjourn the ERC meeting at approximately 10:15 a.m.

Respectfully Submitted

Representative Lockhart, Vice Chairman

Appendix A

Drafted Minutes of the UW Energy Resource Council March 14, 2008

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, Burlington Resources Inc. (retired) (by phone)
Tom Stroock – CEO, Alpha Development Corp; former US Ambassador
Paul Lang – President Western Operations, Arch Coal Inc.

Members absent:

Tom Buchanan - Ex officio, UW President
Rob Wallace – Manager, Government Relations, G.E. Energy
Senator Charles Townsend
Harold Bergman - Ex officio, Director, RIENR

Welcome and Approval of the Agenda and Minutes

Chairman Ron Harper called the meeting to order at 9:00 am. Tom Lockhart motioned and Keith Rattie seconded the November 16, 2007 minutes be accepted. The motion was passed unanimously. (Minutes Appendix A)

Lockhart motioned to accept the agenda, and Keith Rattie seconded it. The motion was passed passed. (Agenda – Appendix B)

Election of Officers

Tom Stroock made the motion to re-elect Ron Harper as Chairman, and Tom Lockhart as Vice Chairman. Keith Rattie seconded it. The motion was passed unanimously.

Update on Fundraising

Ben Blalock gave an update on fundraising highlighting the gifts from Marathon Oil, ConocoPhillips, Questar, Schlumberger, and Halliburton. Rattie asked if the software gift from Schulmberger and Halliburton, could be matched by state funds. Blalock stated there was nothing in the legislation to support matching software gifts. (Fundraising – Appendix C)

Blalock also issued an invitation to the council to the Foundations April 22 Presidents Dinner, and SER will follow up with an invitation going out to them.

Update on Faculty/Staff Hires

KJ Reddy gave an update on the four faculty hires, which included Felipe Pereira in Math, Bruce Parkinson in Chemistry, Subhashis Mallick and Po Chen in Geology and Geophysics. Lockhart asked what the key reason was for Parkinson accepting the chemistry position. Northam stated that Parkinson saw the Wyoming legislature moving in the right direction by funding SER, and wanted to be a part of it. (Biography's – Appendix D)

Northam gave an update on the beginning search for a Business Manager.

Update on Matching Grant Funds

Northam gave an update on matching grant funds. (MGF - Appendix E)

Update on Financial Report

Northam gave an update of expenditures through February, along with a brief budget for the spending of the balance through the FY08 period. (Financial Report - Appendix F)

Update on Legislative Session

Rick Miller commended Tom Lockhart and Chuck Townsend on their hard work during this session. Miller gave an update on the outcome of the legislative session which included the below items:

- The FY 09-10 biennium budget for SER totals \$ 19,440,742. This is a total from FY 08 carry over, and Abandoned Mine Land Fund to be spent on the advancement of energy resources.
- SER will develop a plan and timeline for establishing a uranium research center.
- \$3,800,000 has been given for clean coal technology research. The funds for the clean coal projects that were recommended to the legislature by the clean coal technology task force in FY08 will be expended when the full matching amount is received by the university.
- The continuation of the clean coal technology task force was extended to June 30, 2010.

Tom Stroock commented on the importance of finding a business manager that understands the operation of funding between UW and the legislature.

2009-2010 Budget Plans

Northam gave an update on the FY09-10 budget. (2009-2010 Budget Plans – Appendix G)

WRI Introduction of Director

Bill Gern introduced Don Collins, the new Director of Western Research Institute. Director Collins gave a brief overview of WRI activities.

Call to Executive Session

A motion was made by Paul Lang and seconded by Tom Lockhart to go into executive session to discuss proprietary information about the GE coal gasification facility. The motion was passed. The ERC went into executive session at approximately 11:15 a.m. and returned from executive session at approximately 11:45 a.m.

Working Lunch with Academic Deans

Four Academic Deans gave updates on their faculty searches for SER. They included:

- Dean Rob Ettema – Engineering
- Dean Frank Gale – Agriculture
- Dean Jerry Parkinson - Law

Update on Academic Activities

KJ Reddy gave an update on position searches. (Position Searches – Appendix H) Reddy also gave an update on the SER (Earth System Sciences) Academic Degree programs. (Academic Programs – Appendix I)

Update on Energy Related Curriculum Plans

Andy Hansen gave an update on energy related curriculum plans. (Energy Related Curriculum Plans – Appendix J)

Clean Coal Workshop in Queensland

The ERC is invited to participate in a clean coal workshop in Queensland on April 10-11, 2008.

Future Meetings

The next ERC meeting will be on May 23, 2008. Chairman Harper will not be at this meeting. Vice Chairman Lockhart will be leading this meeting. Northam suggested an in person meeting for August 22, 2008 instead of a teleconference call. He suggested a get together of SER faculty and the ERC. A decision was not made at this time.

Tom Lockhart made a motion to adjourn the meeting, and Tom Stroock seconded it. The motion was passed resulting in an adjournment at approximately 2:00.

Respectfully Submitted

Ron Harper, Chairman

Appendix B

Agenda

May 23, 2008 Energy Resource Council Meeting

- 1) Review of minutes from 3/14/08 and 5/23/08 agenda. Acceptance of the executive session minutes.
- 2) Update on fundraising
- 3) Update on faculty and staff hires
- 4) Update on matching grant funds
- 5) Financial Report
- 6) GE update if MOU is signed
- 7) Other business
- 8) Upcoming meetings- Laramie

Appendix C

UW School of Energy Resources Center

Donor	Total Funds	Donor Funds Pledged/Given	Wyoming Facility Match Reserved/Received	Notes
EnCana	\$ 10,000,000	\$ 5,000,000	\$ 5,000,000	Create the SER Center.
Shell	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000	Create the SER Center.
BP America	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000	Create the SER Center.
Marathon	\$ 500,000	\$ 250,000	\$ 250,000	Create the Marathon Interdisciplinary Fossil Fuel Research Lab in the SER Center.
ConocoPhillips	\$ 340,000	\$ 170,000	\$ 170,000	Create the ConocoPhillips Reservoir Characterization Collaboratory in the SER Center.
Questar	\$ 60,000	\$ 30,000	\$ 30,000	Create the SER Center.
Total	\$ 18,900,000	\$ 9,450,000	\$ 9,450,000	

UW School of Energy Resources Endowments

Donor	Total Funds	Donor Funds Pledged/Given	Wyoming Match Reserved/Received	Notes
Jim Nielson	\$ 10,598,261	\$ 5,299,131	\$ 5,299,131	Income from the state match is available to SER Director for general support.
Marathon	\$ 160,000	\$ 80,000	\$ 80,000	Create support of the Marathon Interdisciplinary Fossil Fuel Research Lab.
Total	\$ 10,758,261	\$ 5,379,131	\$ 5,379,131	

UW School of Energy Resources Research and Teaching Centers

Donor	Total In-kind	Notes
Schlumberger	\$ 26,318,500	Three-year license/maintenance agreement of ECLIPSE software for EORI.
Halliburton	\$ 5,502,059	Three-year license/maintenance agreement of Landmark software for EORI.
Total	\$ 31,820,559	

Endowment Gifts for Petroleum Engineering

Donor	Total Funds	Donor Funds Pledged/Given	Wyoming Match Reserved/Received	Notes
Marathon	\$ 670,000	\$ 335,000	\$ 335,000	Create the Marathon Student Experience Excellence Fund.
ConocoPhillips	\$ 180,000	\$ 90,000	\$ 90,000	Create ConocoPhillips Petroleum and Chemical Engineering Excellence Fund.
ConocoPhillips	\$ 75,000	\$ 75,000	\$ 75,000	Continue support of petroleum and chemical engineering technology and facilities needs.
Total	\$ 925,000	\$ 500,000	\$ 425,000	

Facility Gifts for Petroleum Engineering

Donor	Total Funds	Donor Funds Pledged/Given	Wyoming Match Reserved/Received
EnCana	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000
BP America	\$ 4,000,000	\$ 2,000,000	\$ 2,000,000
BP America	\$ 2,000,000	\$ 1,000,000	\$ 1,000,000
Total	\$ 10,000,000	\$ 5,000,000	\$ 5,000,000

Create new petroleum engineering reservoir simulation lab in the College of Engineering.
 Create new Wind Research Center, matching funds have not been determined.
 Create new petroleum engineering rock and fluids lab in the College of Engineering.

Endowment Gifts for Geology & Geophysics

Donor	Total Funds	Donor Funds Pledged/Given	Wyoming Match Reserved/Received
Marathon	\$ 670,000	\$ 335,000	\$ 335,000
ConocoPhillips	\$ 40,000	\$ 40,000	
ConocoPhillips	\$ 125,000	\$ 125,000	
EnCana	\$ 90,000	\$ 90,000	
Total	\$ 925,000	\$ 590,000	\$ 335,000

Create the Marathon Geophysical Field Excellence Fund.
 Continue support of the Fall Semester Rocky Mountain Field Trip.
 Provide new support of graduate student field studies.
 Support of students in the Geology and Geophysics Department.

Total Funds Raised

	Total Funds	Donor Funds Pledged/Given	Wyoming Match Reserved/Received
Miscellaneous	\$ 101,750	\$ 51,750	\$ 50,000
TOTAL	\$ 73,430,570	\$ 52,791,440	\$ 20,639,131

Appendix D

ERC Update Status of SER Faculty Position Searches FY 2007-2008 (As of May 22, 2008)

Mathematics – Numerical modeling of reservoir fluid flows

- Dr. Felipe Pereria has been hired in the Mathematics Department.
- Full Professor with Tenure.
- He began his position on 1/1/2008.

Mathematics – Reservoir modeling and porous-media flow analysis

- Dr. Craig Douglas (University of Kentucky and Yale University) has accepted a position in the Mathematics Department.
- Full Professor with Tenure.
- He starts at UW on 8/19/2008.

Chemistry – Energy storage, chemical conversion or renewable energy resources

- Dr. Bruce Parkinson (Colorado State University) has accepted a position in the Chemistry Department.
- Full Professor with Tenure
- He starts at UW on 8/19/2008.

Geophysics– Computational Seismology

- Dr. Subhashis Mallick (Chevron Research) has accepted a position in the Geology and Geophysics Department.
- Full Professor with Tenure.
- He starts at UW on 8/19/2008.

Geophysics– Computational/Theoretical Seismology

- Dr. Po Chen (Lamont-Doherty Earth Observatory) has accepted a position in the Geology and Geophysics Department.
- Assistant Professor, Tenure Track.
- He started at UW in May 2008.

Chemical Engineering – Coal-Conversion Technologies

- Dr. Maohong Fan (Georgia Institute of Technology) has accepted a position in the Chemical and Petroleum Engineering Department.
- Associate Professor, Tenure Track, 3 years to Tenure
- He starts at UW on 8/19/2008.

Geochemistry – HT/HP Multiphase Fluid-Rock Reactions

- Dr. John Kaszuba (Los Alamos National Laboratory)
- Associate Professor, 4 years to Tenure,
- He starts at UW on 8/19/2008

Renewable Resources – Energy-Related Land Reclamation/Restoration Ecologist

- 4 candidates have been interviewed.
- Offer to first candidate has been declined (home university countered)
- Offer to second candidate in preparation

Mechanical Engineering – Wind energy

- Offer made to Dr. Jayanarayanan Sitaraman (National Institute of Aerospace, Langley Research Center)
- Assistant Professor, Tenure Track
- Spousal hire issue being reviewed
- Offer being prepared for second candidate

Economics & Finance – Global Energy Markets and Energy Economics

- One qualified candidate has been interviewed
- Offer tendered to Dr. Timothy Considine (Penn State University)
- Full Professor with Tenure

Petroleum Engineering – Petroleum Engineering

- 4 candidates interviewed. None appropriate for SER faculty position.
- One highly qualified candidate has since applied; will be interviewed June 2

Summary:

- Seven positions have been filled
- Three offers tender in the month of May
- One positions still interviewing
- SER will likely have 9 to 11 faculty on campus starting with the Fall 2008 semester
- Approximately \$1.5 M in salary and benefits commitment (7 positions and \$1.5 M budgeted for FY 2009)
- Approximately \$2.25 M in start-up commitments in FY 2009 and 2010, \$250K over the full amount budgeted

Appendix E

School of Energy Resources
Matching Grant Fund
May 2008

FY 2008
Agreed to Provide Matching Funds-Waiting for Approval from External Organization

PI	External Organization	Proposal	MGF Funds		External Funds		Total Funds
Zhou, Jing	American Chemical Society	Atomic-scale understanding & tuning of chemical reactivity of ceria-based metal catalysts toward water-gas shift reaction	\$50,000	\$50,000	\$50,000	\$100,000	
Carrapa, Barbara	American Chemical Society	Dynamics of deformation & basin development during Sewier & Laramie orogeny	\$50,000	\$50,000	\$50,000	\$100,000	
Alvarado, Vladimir	American Chemical Society	Dynamics of solid-stabilized emulsions in porous media	\$50,000	\$50,000	\$50,000	\$100,000	
Argyle, Morris	Jupiter Oxygen**	Mercury Removal from Flue Gas Derived from Oxygen	\$25,000	\$25,000	\$25,000	\$50,000	
Piri, Mohammad	DOE/EPPSCOR	Combustion of Coal	\$100,000	\$1,194,000	\$1,294,000	\$1,294,000	
Zhang, Ye	DOE Basic Energy Science	Tight Gas Reservoirs: Experimentation & Modeling of Hysteresis & its Implications for Gas Recovery	\$82,450	\$82,450	\$164,900	\$164,900	
Goual, Lamia	REPSOL	Evaluation of Model uncertainty in CO ₂ Sequestration in Deep Aquifers	\$72,000	\$184,000	\$256,000	\$256,000	
Sullivan, B. Patrick	NSF SGER Program	Kinetics of Heavy Organic Deposition & Precipitation Onsets in Crude Oil Flow Systems	\$43,000	\$120,700	\$163,700	\$163,700	
Eggleston, Carrick	Petroleum Research Fund	Linear Delocalized Metal-to-Ligand Charge Transfer Excited States Based on Carbonyl Acceptors	\$50,000	\$100,000	\$150,000	\$150,000	
Johnson, Patrick	Fossil Fuel Program NETL DOE	Optimization of Inexpensive Semiconductors for Solar Carbon Fixation	\$100,000	\$150,000	\$250,000	\$250,000	
Lee, Long	National Science Foundation	Energy from Organic Waste Degradation Using Biological Fuel Cells	\$48,183	\$172,465	\$220,648	\$220,648	
Garrison, Jean	Japan Foundation Grant & Institute for Global Environmental Strategies	Transport Mechanisms for Multi-phase Micro-fluids on Structured Solid Surfaces	\$38,231	\$300,000	\$338,231	\$338,231	
Denzer, Anthony	U.S. Green Building Council	Energy Security & Climate Security in Asia: Implications for U.S. Foreign Policy	\$18,434	\$19,908	\$38,342	\$38,342	
Sullivan, B. Patrick	Department of Energy	Real-Time Cross-Disciplinary Distance Collaboration for Green Building Design	\$50,000	\$383,000	\$433,000	\$433,000	
Kauffman, Matthew	Wyoming Wildlife & Natural Resource Trust, Wyoming Game & Fish, Wildlife Heritage Foundation of Wyoming	Highly Oxidizing Ligand-to-Metal Charge Transfer Excited States for Solar Energy Conversion	\$56,720	\$77,000	\$133,720	\$133,720	
Montague, Derek	Wyoming DEQ, Bureau of Land Management, U.S. Forest Service, & EPA	Identifying mule deer migration routes to and from the Pinedale Anticline Project Area	\$97,952	\$97,952	\$195,904	\$195,904	
Tang, Jinke	Department of Energy	Upper Green River Basin Ozone Monitoring Study	\$90,000	\$600,000	\$690,000	\$690,000	
Moss, Justin	Whitney Benefits	Investigating energy transfer in novel Ce3+ & Ce3+ co-doped phosphors & their applications in white light emitting diodes	\$22,850	\$48,750	\$71,600	\$71,600	
Chamberlain, Kevin	Department of Energy & Cameco Inc.	Sustainability of Straight Vegetable Oil & Biodiesel Fuel Production for Wyoming: Development, Production, Use & Education	\$60,000	\$60,000	\$120,000	\$120,000	
		Long-term study to assess the utility of Pb isotope analyses for improved monitoring of aquifer interactions in the in-situ U industry					

School of Energy Resources
Matching Grant Fund
May 2008

Norton, Jay	Anadarko, BP, Encana, Questar, Western Sustainable Agriculture Research & Education Program, UW AES Competitive Grants Program, USDA-NRI Soil Processes Program	Effects of Natural Gas Well Development & Reclamation Activities on Topsoil Properties	\$73,900	\$73,900	\$147,800
Jun, Sukky	Department of Energy Office of Basic Energy Science	Environment-Dependent Instability of Organic-Based Framework Materials	\$38,587	\$180,000	\$218,587
Johnson, Patrick	Department of Energy Biomass Program	Immobilized enzyme systems for conversion of woody biomass for butanol production	\$100,000	\$500,000	\$600,000
Andersen, Matt	Bureau of Land Management, Wyoming Wildlife & Natural Resource Trust, Anadarko Petroleum Corp, Questar Exploration & Production Co.	Reclamation Costs, Bonding Systems, & the Probability of Reclamation in Wyoming's Oil & Gas Industry	\$44,552	\$32,076	\$76,628
Beck, Jeffrey	Anadarko Petroleum Corporation	Identifying Habitats for Greater sage-Grouse Population Persistence within the Atlantic Rim, Wyoming Coalbed Methane Field	\$40,000	\$150,000	\$190,000
**Received verbal approval			\$1,401,859	\$4,701,201	\$6,103,060
				24	

FY 2008					
Funding from External Organization Received & MGF Funds Paid					
PI	External Organization	Proposal	MGF Funds	External Funds	Total Funds
Beck, Jeffrey	Wyoming Wildlife & Natural Resource Trust and USDI Bureau of Land Management	Identifying Disturbance Mechanisms Influencing Habitat Selection by Elk in Natural Gas Development Fields	\$60,000	\$461,500	\$521,500
Chamberlain, Kevin	Cameco, Inc.	Pilot Study to Assess the Utility of Pb Isotope Analyses for Improved Monitoring of Aquifer Interactions in the In-situ U Mining Industry	\$5,000	\$5,000	\$10,000
			\$65,000	\$466,500	\$531,500
				2	

FY 2008					
Funding from External Organization Denied					
PI	External Organization	Proposal	MGF Funds		
Naughton, Jonathan	National Science Foundation	Aerodynamics & Control of Wind Turbines	\$100,000		
Debashis, Duta	American Chemical Society	Characterization of Sodium Silicate Derived Polymer Electrolyte Membrane Structures for Microchip based Portable Fuel Cells	\$50,000		
Piri, Mohammad	Research Partnership to Secure Energy for America	Recovery of Heavy Oil Using Supercritical Water: Experimentation & Modeling	\$100,000		
Stahl, Peter	Office of Surface Mining	Environmental Heterogeneity in Reclaimed Soils to Enhance Diversity of Reestablished Plant Communities	\$57,917		
Lyng, Gregory	National Science Foundation	Analysis & Computation of Spectral Stability in Combustion, Gas Dynamics, & Porous Media	\$41,236		
			\$349,153		
				5	

School of Energy Resources
 Matching Grant Fund
May 2008

		FY 2007		
		Funding from External Organization Denied	Proposed	
PI	Organization	MGF Funds	External Funds	Total Funds
Naughton, Jonathan	Department of Energy	\$100,000	\$450,000	\$550,000
Bagley, David	Department of Energy	\$100,000	\$437,500	\$537,500
	FY07 Subtotal	\$200,000	\$887,500	\$1,087,500
	# Proposals		2	
	FY07 & FY08 Total	\$1,666,859		
	Total # Proposals		28	
FY 2007				
PI	Funding from External Organization Received & MGF Funds Paid Organization	MGF Funds	External Funds	Total Funds
Campbell-Stone, Erin	Wyoming NASA Space Grant	\$15,000	\$15,000	\$30,000
Heller, Paul	American Chemical Society	\$50,000	\$100,000	\$150,000
Piri, Mohammad	Total E&P UK PLC	\$80,000	\$200,000	\$280,000
Johnson, Patrick	North Central Sun Grant Center	\$51,600	\$284,600	\$336,200
Tang, Jinke	Sharp Laboratories of America	\$50,000	\$120,000	\$170,000
Argyle, Morris	Western Research Institute	\$100,000	\$100,000	\$200,000
Bell, David	Idaho National Laboratory	\$50,000	\$50,000	\$100,000
Mavriolis, Dimitri	Department of Energy	\$70,000	\$287,426	\$357,426
Argyle, Morris	Idaho National Laboratory	\$12,492	\$12,492	\$24,984
	Nonthermal Plasma Reactors for the Decomposition of Hydrogen Sulfide	\$479,092	\$1,169,518	\$1,648,610
	FY07 Subtotal			
	# Proposals		9	