



GEOTHERMAL ENERGY ASSOCIATION

209 Pennsylvania Avenue SE, Washington, D.C. 20003
Phone: (202) 454-5261 Fax: (202) 454-5265
www.geo-energy.org

GEA Weekly Update July 1, 2009

National News.....	2
House Passes Energy-Climate Bill	2
DOE Presents Webcast on Recovery Act Funding Opportunities	4
Company News	4
Magma Energy: IPO Raises C\$100m toward Development	4
Pratt & Whitney Power Systems: Company to Purchase Majority Interest in Turboden S.r.l.	4
Raser Technologies: Thermo Site Plans to Deliver 110 MW to Southern California	5
Western GeoPower: New Directors Welcomed to Company Board.....	5
Renewable and Climate Change News	6
Industry Group Announces Workshop on Two New Growth Areas for Geothermal in the US -- Distributed/Small Power Generation and Direct Use Heating.....	6
Research and Markets Adds Geothermal Report.....	7
Obama Administration Awards over \$204m for State Energy Programs in 10 States	8
State News	9
California: DOE-Funded Study Advances Reservoir Characterization.....	9
California: RPS Hearings Receive AG Voice on Feed-in Tariffs	9
California: AltaRock Project Running Smoothly	9
International News.....	10
Canada: B.C. Government Planning Sale of Drilling Rights.....	10
Chile: Secretary Chu Signs Memorandum of Cooperation with Energy Minister	10
Croatia: Hungarian PannEnergy Plans Geothermal Analysis.....	11
Ethiopia: A Political Milestone in Geothermal Development in East Africa	11
Iceland: Iceland Deep Drilling Project Hits Magma	12
Indonesia: Power Plant Expansion will Reach 400 MW Generation	12
Philippines: EDC's Geothermal Expansion Project Approved by Local Gov't	13
Notices	13
DOC Seeks Participation for Clean Energy Policy Mission to Indonesia (July 10).....	13
Submit Nominations Power Engineering Projects of the Year Award (by August 28).....	14
Call for Papers, Renewable Energy World North America (due August 7)	14
SMU Geothermal Laboratory Promoting Networking for Geothermal Projects	14
TANC Transmission Project EIR/EIS Public Scoping Comment Period Extended to July 30.....	14
Airborne Hyperspectral Surveys of Geothermal Areas, Nevada, August 1-4	15
CEC Program Opportunity Notice for Matching Funds for ARRA Applications.....	15
DOE Announces New Geothermal Funding Opportunities.....	16
DOE Webcast Detailing Geothermal Funding Opportunities.....	16
USDA Announces REAP Grant/Loan Guarantee Funding (July 31).....	17
Resource Development Opportunity, Contact, Nevada.....	17
Hannon Armstrong Announces Advisory Services for DOE Loan Guarantees.....	17
Resource Development Opportunity, Rosebud Sioux Tribe, Rosebud, SD.....	17
Employment Opportunities	18
State Oil, Gas, and Geothermal Supervisor, Department Of Conservation (July 3)	18
Vice President of Engineering, Ram Power, Inc.....	19
Drilling Program Manager, Major Geothermal Power Company in CA.....	19
Senior Director, Business Development, Major Geothermal Company	20
Geothermal Project Supervisor, Central American Bank for Economic Integration, Costa Rica	20

Research Associate II, SMU Geothermal Laboratory	21
Geothermal Engineering Analyst, National Renewable Energy Laboratory	21
Requests for Proposals (RFPs)	22
RFP for Smart Grid Demonstrations, DOE, American Recovery and Reinvestment Act	22
RFP for State Energy Program, DOE	22
RFP for Contribution of Cost Share for Transportation Related Recovery Act RFPs, CEC	22
RFP for Renewables Purchase in Southwest, U.S. Navy	22
RFP for Technology and National Research Priorities, American Recovery and Reinvestment Act.....	23
RFO for Renewables Portfolio Standard (RPS) Solicitation, PG&E (July 17).....	23
RFP for Electric Energy Proposals, Southern California Edison (August 21).....	23
RFP for Environmental Implications of Emerging Technologies, NSF (September 15).....	23
RFP for Energy for Sustainability, National Science Foundation (September 15).....	24
RFP for Thermal Transport Processes, National Science Foundation (September 15).....	24
RFP for National Lab Partnerships for Energy Research, DOE (November 9).....	24
RFP for Renewable Energy Resources, Los Angeles (March 11, 2010).....	24
RFP for Smart Grid Investments, DOE, American Recovery and Reinvestment Act (March 31, 2010) .	25
Upcoming Events	25
1 st East Caribbean Geothermal Conference, June 30–July 2 (Nevis)	25
Geothermal Lease Sale: California, Nevada, and Utah, July 14 (Reno, NV)	25
Indonesian Clean Energy Policy Mission, U.S. Department of Commerce, July 27–29 (Jakarta, Indonesia).....	25
GEA: Direct Use/Small Power Finance Workshop, Oregon Institute of Technology (OIT), August 12-13 (Klamath Falls, OR).....	26
GEA: Geothermal Energy Expo/GRC Annual Meeting, October 4-7 (Reno, NV).....	26
Renewable Energy Indonesia 2009 Trade Show, October 14–17 (Jakarta, Indonesia).....	26
SMU Geothermal Conference, November 3–4 (Dallas, TX).....	26
XVII Annual Congress and Annual Assembly, Mexican Geothermal Association, November 13 (Mexico).....	27

National News

House Passes Energy-Climate Bill

In a narrow but historic victory for advocates of a cap and trade climate emissions approach, the House of Representatives passed HR 2454 by a 219-212 vote June 26th. The legislation now heads to the Senate, where Senate Majority Leader Harry Reid (D-NV) has indicated he hopes to debate and pass its version of the legislation in the Fall.

The House Energy and Commerce Committee, Chaired by Rep. Henry Waxman (D-CA) issued the following statement upon passage:

"The House of Representatives passed the landmark American Clean Energy and Security Act, sponsored by Rep. Henry A. Waxman, Chairman of the House Energy and Commerce Committee, and Rep. Edward J. Markey, Chairman of the House Select Committee on Energy Independence and Global Warming."

"This landmark bill will revitalize our economy by creating millions of new jobs, increase our national security by reducing our dependence on foreign oil, and preserve our planet by reducing the pollution that causes global warming."

"Today we have taken decisive and historic action to promote America's energy security and to create millions of clean energy jobs that will drive our economic recovery and long-term growth," said Chairman Waxman. "After more than three decades of being held hostage to the influence of foreign energy suppliers, this legislation at long last begins to break our addiction to imported foreign oil and put us on a path to true energy security."

“Today the House has passed the most important energy and environment bill in our nation’s history,” said Chairman Markey. “Scientists say that global warming is a dangerous man-made problem. Today we are saying clean energy will be the American-made solution. This legislation will create jobs by the millions, save money by the billions and unleash investment in clean energy by the trillions.”

The Committee press statement highlights the following key provisions of the legislation:

- Requires electric utilities to meet 20% of their electricity demand through renewable energy sources and energy efficiency by 2020.
- Invests \$190 billion in new clean energy technologies and energy efficiency, including energy efficiency and renewable energy (\$90 billion in new investments by 2025), carbon capture and sequestration (\$60 billion), electric and other advanced technology vehicles (\$20 billion), and basic scientific research and development (\$20 billion).
- Mandates new energy-saving standards for buildings, appliances, and industry.
- Reduces carbon emissions from major U.S. sources by 17% by 2020 and over 80% by 2050 compared to 2005 levels. Complementary measures in the legislation, such as investments in preventing tropical deforestation, will achieve significant additional reductions in carbon emissions.
- Protects consumers from energy price increases. According to recent analyses from the Congressional Budget Office and the Environmental Protection Agency, the legislation will cost each household less than 50 cents per day in 2020 (not including energy efficiency savings).

House Speaker Nancy Pelosi (D-CA) addressed the House floor this evening on the American Clean Energy and Security Act. She commended the work and leadership of Chairmen Henry Waxman, Ed Markey, Charles Rangel, and Collin Peterson. The Speaker said: “No matter how long this Congress wants to talk about it, we cannot hold back the future. And so, in order to move on with the future, I want to yield back my time, submit my statement for the record, and urge my colleagues to vote for this important legislation. And when you do, just remember these four words for what this legislation means: jobs, jobs, jobs, and jobs. Let’s vote for jobs.”

House Republican Leader John Boehner (R-OH) opposed the legislation, calling it a "tax" that would impact "middle-class families and small businesses across the country." Boehner spoke on the House, saying in part:

“Speaker Pelosi’s national energy tax is a bureaucratic nightmare that will cost families more than ever for electricity, gasoline, food, and other products, and cost millions of American workers their jobs. This is a tax on anyone who drives a car, buys an American-made product, or flips on a light switch. It will drive up energy costs, send millions of jobs overseas to countries like China and India, and place an especially heavy burden on rural America. Republicans believe there is a better way. Our American Energy Act is the fastest route to a cleaner, more reliable energy future. By increasing environmentally-safe energy production, promoting alternatives like nuclear and clean-coal technologies, and encouraging increased efficiency, this alternative legislation will create more jobs, lower energy costs, and clean up our air and water.

The final vote was:

	Ayes	Noes	PRES	NV
Democratic	211	44		1
Republican	8	168		2
Independent				
TOTALS	219	212		3

To see how specific Representatives voted, see Roll Call Vote 477 at: <http://clerk.house.gov/evs/2009/roll477.xml>

DOE Presents Webcast on Recovery Act Funding Opportunities

From EERE's Web site:

As a result of the 2009 American Reinvestment and Recovery Act, the Geothermal Technologies Program (GTP) has four open [Funding Opportunity Announcements](#) (FOAs) totaling \$484 million for cost-shared research, development, and demonstration projects in geothermal technologies.

To help the geothermal community in effectively responding to these FOAs, GTP recently presented a Webcast open to all interested individuals and organizations. The Webcast introduced the mission and objectives of GTP, then explain the FOA process in detail, and then present information on each of the six Topic Areas of the FOAs.

You can view the entire American Recovery and Reinvestment Act (ARRA) Funding Opportunity Announcement (FOA) [Webcast](#) or review the slides for each of the two presentations given:

1. Geothermal Technologies Program: Funding Opportunity Announcement (FOA) Overview ([PDF 183 KB](#)).
2. Geothermal Technologies Program: Recovery Act Funding Opportunities ([PDF 991 MB](#)).

For further information on the Geothermal Technologies Program and geothermal energy in the U.S., visit the GTP Web site [home page](#).

See http://www1.eere.energy.gov/geothermal/recovery_act_webcast.html.

Company News

Magma Energy: IPO Raises C\$100m toward Development

Magma Energy Corp., a geothermal power company based in Vancouver, raised C\$100 million (\$86 million) in Canada's biggest initial public offering in 13 months, according to Bloomberg.com. Magma sold 66.7 million shares at C\$1.50 each and will put proceeds toward building and expanding plants and buying projects.

See <http://www.bloomberg.com/apps/news?pid=20601082&sid=aIvIyKLdeFMs>.

For more information on Magma Energy Corp go to: <http://www.magmaenergycorp.com/s/Home.asp>

Pratt & Whitney Power Systems: Company to Purchase Majority Interest in Turboden S.r.l.

Press Release—June 29, [Pratt & Whitney Power Systems Agrees to Purchase Majority Interest in Turboden S.r.l.](#)

Pratt & Whitney Power Systems has agreed to purchase a majority interest in Turboden S.r.l. (Turboden), an Italian manufacturer of high efficiency turbogenerator systems. Terms of the transaction were not disclosed. Pratt & Whitney is a United Technologies Corp. (NYSE:UTX) company.

Based in Brescia, Turboden designs and produces Organic Rankine Cycle (ORC) systems including turbines and turn-key turbogenerator units for distributed power generation in biomass, geothermal, solar and industrial heat recovery applications. The agreement with Turboden is an important extension of Pratt & Whitney Power Systems' presence in renewable power generation through its PureCycle® product line.

“The Turboden partnership complements Pratt & Whitney Power System’s PureCycle offering and expands its product portfolio into high temperature and higher power applications.” said Peter Christman, president, Pratt & Whitney Power Systems. “It reflects UTC’s commitment to energy efficiency and adds to a growing renewable energy portfolio with enhanced technical capabilities and geographic footprint.”

"For almost 30 years, Turboden has developed efficient, environmentally friendly turbogenerators for renewable energy generation throughout Europe. Now the challenge is worldwide." said Mario Gaia, president of Turboden “We are excited about our new partnership with Pratt & Whitney and look forward to working with them on this next phase of Turboden’s growth."

Pratt & Whitney is a world leader in the design, manufacture and service of aircraft engines, space propulsion systems and industrial gas turbines. United Technologies, based in Hartford, Conn., is a diversified company providing high technology products and services to the global aerospace and commercial building industries.

For more information go to: <http://www.pw.utc.com/>

Raser Technologies: Thermo Site Plans to Deliver 110 MW to Southern California

Press Release—June 26, Raser Technologies Executes Term Sheet with Southern California Public Power Authority for a Potential 110 MW Pre-Paid Power Purchase Agreement

Provo, Utah--Raser Technologies, Inc. (NYSE: RZ - News) announced that it has entered into a term sheet with the Southern California Public Power Authority (SCPPA) to sell 110 MW of renewable geothermal power to certain SCPPA member municipalities in a pre-paid arrangement. The power plants would be built at Raser’s Thermo, Utah site, over a three year period.

The term sheet establishes the basic terms of a Power Purchase Agreement, or PPA, under which Raser would develop 110 MW of geothermal power for sale to SCPPA in a pre-paid arrangement. Under a pre-paid PPA, the purchaser of the power pays for a portion of the expected power generation up front and then pays a reduced monthly amount for the remaining power and environmental attributes. The term sheet is non-binding, and either party can end discussions at any time, for any reason, without liability to the other party.

Pre-paid PPAs are structured to take advantage of the municipalities’ ability to borrow at favorable rates to purchase power up front at a reduced rate. This allows the municipalities to improve the economics of the transaction and provide greater price stability over the life of the agreement, as well as provide greater access to renewable energy projects. In turn, a pre-paid structure allows developers like Raser to secure funding for their projects from an alternative source in challenging economic times. The pre-paid PPAs would provide Raser with greater flexibility for planning and developing its commercial geothermal power projects.

Richard Clayton, Executive Vice President for Raser, said, “We are excited to have signed this term sheet and be nearing completion of negotiations for this significant power purchase agreement with SCPPA. We have had productive discussions with SCPPA to date and hope to finalize the PPA in the near future.”

See <http://www.rasertech.com/news>.

Western GeoPower: New Directors Welcomed to Company Board

Press Release—June 25, Western GeoPower Welcomes New Directors Daryl S. Clark and Harry Knutson

Vancouver, Canada, -- Western GeoPower Corp., a renewable energy company, is pleased to announce the election of Daryl S. Clark of Plantation, Florida, and Mr. Harry Knutson of Vancouver, BC at the company’s Annual General and Special Meeting held June 24, 2009. Kenneth MacLeod, Gudmundur

Sigurjonsson and Domenic Falcone were re-elected to the Board. Mr. Clark has also been appointed Chairman of the Board.

Mr. Knutson is Chairman, Chief Executive Officer and the founder of Nova Bancorp Group and has been responsible for the growth and performance of the diversified wealth management firm since its inception in 1982. He was Chairman of Montreal-based StrategicNova Inc. from 1998 to 2002 and, prior to establishing Nova Bancorp Group, he was President of a mid-sized trust company. Mr. Knutson also served as President, Chief Executive Officer and Director of a real estate investment trust and President of a conglomerate active in the food, sports and real estate industries. Mr. Knutson was instrumental in the reorganization of Bonavista Petroleum Ltd. in 1997, and continues as an active director on the board of Bonavista Energy Trust. He is also a board member of a number of junior oil and gas and related industry companies, and has received the Canadian Chartered Director designation from The Directors College of McMaster University.

Mr. Clark is currently the Vice President and Chief Financial Officer and member of the board of South Asia Energy Management Systems ("South Asia"), a California corporation. South Asia undertakes the development, construction, acquisition, ownership and long term operation of hydro-electric and other renewable energy projects in various international markets. Prior to joining South Asia, from 2002 to 2007 Mr. Clark was Vice President and Chief Financial Officer for Peachtree Settlement Funding, a specialty factoring firm. Mr. Clark was instrumental in leading Peachtree during a period of time in which its revenues grew from \$20 million to \$180 million annually. In addition, Mr. Clark currently serves on the Board of Directors of Canadian Phoenix Resources Corporation which is a publicly-traded junior oil and gas exploration, development and production company with operations in Western Canada. Mr. Clark has a master's degree in business administration from the University of Miami and a bachelor's degree in chemical engineering from the University of Florida.

"The new directors bring significant project finance experience to the Board of Western GeoPower," said Kenneth MacLeod, President & CEO of Western GeoPower Corp. "This will be of considerable value as the company enters the project financing phase for our Geysers project in California."

John Copeland and Thomas Drolet did not stand for reelection to the Board of Directors at the Annual General and Special Meeting. "The Board appreciates the contributions made by both Mr. Copeland and Mr. Drolet in advancing the interests of the company over recent years," said Kenneth MacLeod. "We look forward to working with Mr. Drolet in his ongoing role as CEO of our California subsidiary, Western GeoPower, Inc."

See <http://www.geopower.ca/newsp1.htm>.

Renewable and Climate Change News

Industry Group Announces Workshop on Two New Growth Areas for Geothermal in the US -- Distributed/Small Power Generation and Direct Use Heating

Washington, DC -- Klamath Falls, Oregon will be the site of a workshop intended to promote two exciting growth areas for geothermal energy in the United States. On August 12 the Geothermal Energy Association and the Oregon Institute of Technology's Geo-Heat Center will be holding a workshop focusing on direct heat and small power utilization. Pratt & Whitney Power Systems, maker of the PureCycle® Power System, is the Gold Level Sponsor of the event and the Oregon Department of Energy is a co-sponsor.

"This workshop will bring together -- for the first time ever -- those interested in using geothermal energy for distributed generation and direct heating purposes," noted Karl Gawell, Executive Director of GEA. "New technology developments, state and federal laws and incentives, and growing concern about climate change are driving a strong growth trend in both areas," he added.

In the last few years, small power technology has been leading geothermal power production into several new states. Alaska, Florida, New Mexico, Oregon and Wyoming have each seen or will soon see geothermal power produced for the first time. In each of these cases the power is being used locally for distributed generation, and the geothermal power plants have capacities of less than one megawatt. In many states, special incentives are being offered for small, renewable power generation less than 10 MW.

For direct use geothermal, market growth for space heating and agricultural drying grew by 9.3% and 10.4% between 2000 and 2005. A renewed interest in direct use in the Western US is being spurred in part by provisions of the 2005 energy bill which encourages direct use geothermal on public lands by:

- Simplifying royalty payments to modest fee
- Allowing non-competitive lease application
- Allowing lease application for only lands needed – no minimum acreage
- Granting states, local governments, tribes use of federal geothermal resources for public purposes at little/no cost

OIT's Klamath Falls campus is a world-class example of both geothermal direct use heating and small power production. "Our 280 kW Pratt & Whitney power plant will be up and running by the time of the workshop," noted John Lund, Director of the OIT Geo-Heat Center. "This will be the first geothermal power generation in Oregon, and together with our geothermal heating systems OIT's campus will be a practical showcase for those interested in these technologies," he said.

The GEA-OIT Workshop is planned for August 12 in Klamath Falls, in addition OIT has organized a field trip for the following day. Registration for the August 12 Workshop is \$195 for the general public and \$95 for GEA Members, non-profit groups, government employees. Registration includes workshop materials, snacks, and lunch. Registration for the August 13 Field Trip is an additional \$75.

For more information, or to register for the workshop or field trip, visit: www.geo-energy.org.

Research and Markets Adds Geothermal Report

The market research resource Research and Markets has added a report on the geothermal market and has provided the following outline:

- This report provides an excellent introduction and understanding of the three technologies for exploiting geothermal energy; power generation, GSHPs (ground source heat pumps), direct use (excluding GSHPs)
- It the industry's development and use of technology, power generation, efficiency and location of resources
- It provides an overview of geothermal energy, capacity and utilization
- The geothermal power industry is reviewed looking at the power operators and equipment manufacturers
- Geothermal revenue and costs are analyzed, including generation, construction and equipment costs
- The report looks at country use and development of geothermal energy with an analysis of the major market places - North America, Central America & Caribbean, Europe, Asia, Africa
- A listing of major geothermal manufacturers with address and telephone and fax numbers where available is provided at the end of the report

See

http://www.businesswire.com/portal/site/google/?ndmViewId=news_view&newsId=20090625005384&newsLang=en.

Obama Administration Awards over \$204m for State Energy Programs in 10 States

Press Release Highlights—June 24, [Recovery Act Announcement: Obama Administration Awards More than \\$204 Million for State Energy Programs in 10 States](#)

U.S. Department of Energy (DOE) Secretary Steven Chu today announced more than \$204 million in Recovery Act funding to support energy efficiency and renewable energy projects in ten states. Under DOE's State Energy Program (SEP), states have proposed statewide plans that prioritize energy savings, create or retain jobs, increase the use of renewable energy, and reduce greenhouse gas emissions. This initiative is part of the Obama Administration's national strategy to support job growth, while making a historic down payment on clean energy and conservation.

The following states received awards:

Arizona - \$22.2 million awarded today. After demonstrating successful implementation of its plan, the state will receive an additional \$27 million, for a total of \$55 million.

Connecticut - \$15.4 million awarded today. After demonstrating successful implementation of its plan, the state will receive an additional \$19 million, for a total of \$38 million.

Florida - \$50.4 million awarded today. After demonstrating successful implementation of its plan, the state will receive an additional \$63 million, for a total of \$126 million.

Idaho - \$11.4 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$14 million in additional funding, for a total of more than \$28 million.

Kansas - \$15.3 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$19 million in additional funding, for a total of more than \$38 million.

Minnesota - \$21.7 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$27 million in additional funding, for a total of more than \$54 million.

South Carolina - \$20.2 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$25 million in additional funding, for a total of over \$50 million.

South Dakota - \$9.5 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$11 million in additional funding, for a total of more than \$23 million.

Utah - \$14.1 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$17 million in additional funding, for a total of more than \$35 million.

Washington State - \$24.3 million awarded today. After demonstrating successful implementation of its plan, the state will receive more than \$30 million in additional funding, for a total of over \$60 million.

See details on states' plans for implementation at http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=190.

State News

California: DOE-Funded Study Advances Reservoir Characterization

The Stanford Geothermal Program has announced a proof of concept in using nanoparticles as tracers to characterize fractured rocks, according to environmental-expert.com. This helps developers in studying fracture systems in geothermal reservoirs and in predicting the results of reservoir stimulation. This study came from 2008 DOE funds toward enhanced geothermal systems (EGS) technology.

See <http://www.environmental-expert.com/resultEachPressRelease.aspx?cid=11245&codi=53242&lr=1>.

California: RPS Hearings Receive AG Voice on Feed-in Tariffs

A significant filing by California's Attorney General (AG) on June 25 argues that feed-in tariffs as proposed in California are permitted under federal law and that they should be used to encourage the rapid growth of renewable energy, according to wind-works.org. The filing was part of hearings by the California's Public Utility Commission (PUC) to determine whether the state can meet its Renewable Portfolio Standard.

The view conflicts with that of feed-in tariff opponents, who say that the Public Utility Regulatory Policies Act (PURPA), a part of 1978's National Energy Act, precludes renewable tariffs based on the cost of generation. The AG states that "PURPA empowers the State, through the PUC, to set avoided cost rates. Nevertheless, federal law loosely governs the rate-setting method." The AG says it's possible to meet PURPA's requirements while also increasing renewable development by setting a tariff based on the cost of generation, according to the article. "Whatever the mechanism," says the AG's filing, "the price should allow recoupment of costs and a modest rate of return over a reasonable time period."

See <http://www.wind-works.org/FeedLaws/USA/CaliforniasAGSaysFeed-inTariffsLegalinUSA.html>.

California: AltaRock Project Running Smoothly

AltaRock Energy Inc (<http://altarockenergy.com/>) is proceeding with its Enhanced Geothermal Systems demonstration project. According to AltaRock the project "will demonstrate the technical and economic viability of creating a multi-layered engineered heat extraction system below the naturally occurring steam resource existing at the NCPA Geysers Power Facility."

The following is from the AltaRock Web site:

"AltaRock's EGS demonstration project in the Geysers was recently the subject of a NYT article which, while noting the promise of EGS as part of the country's alternative energy portfolio, questioned whether EGS was safe.

AltaRock has been focused on the safety and success of our project from the beginning, and will continue to work with the community and regulators to ensure geothermal energy can provide our state with clean, abundant, and affordable energy.

The article compared our demonstration project at the Geysers to a project in Basel, Switzerland, but these projects are very different:

- We took extraordinary care in choosing our site at the Geysers to avoid siting on a major fault. The Basel Project drilled into a significant fault.

- Smaller faults mean smaller events, and the faults in the Geysers area are significantly smaller than at Basel.
- The geology of the Geysers is very different - seismic studies predict events at the Geysers likely to be imperceptible at the surface.
- Events of similar magnitude to Basel occur frequently in California.
- Basel produced an event with a magnitude which is more than 10 times the size of the maximum event estimated for our project.
- We have installed monitoring and control procedures and designed pressure relief mechanisms to minimize any impact.
- We are employing proprietary technologies to ensure a safe and well-controlled project.
- We have actively involved and informed the community.

California needs power and as the nation's largest state economy it has the biggest demand for alternative, non- carbon based energy sources. EGS at the Geysers has the potential to provide clean energy to supply much of California's renewable needs."

For more information, go to: <http://altarockenergy.com/nyt.html>. To view an interview with Susan Petty of AltaRock discussing the potential of EGS technology go to: <http://solveclimate.com/blog/20090223/altarock-enhanced-geothermal-could-supply-20-u-s-electricity-2043>.

International News

Canada: B.C. Government Planning Sale of Drilling Rights

The provincial government is planning a sale of drilling rights near Lakelse Lake in British Columbia, according to bclocalnews.com. Mount Layton Hot springs, a recreational user of geothermal energy, is at the site, and it is situated near the B.C. Transmission Corporation power line running between Terrace and Kitimat, according to the article.

Alberta-based geothermal energy consultant Craig Dunn told press that as demand for power grows and as government policy encourages renewable generation, potential obstacles such as price will become more attractive. "There's going to be a rush to geothermal," Dunn told press. "Geothermal is attracting the kind of entrepreneur who does not think six or eight months out, but the kind of person who thinks eight or 10 years out."

See http://www.bclocalnews.com/bc_north/terracestandard/news/48787752.html.

Chile: Secretary Chu Signs Memorandum of Cooperation with Energy Minister

Press Release—June 23, [Secretary Chu Signs Memorandum of Cooperation with Chilean Energy Minister Tokman](#)

Washington, DC -- The Department of Energy announced today that U.S. Energy Secretary Steven Chu and Minister Marcelo Tokman of the Chilean National Energy Commission signed a Memorandum of Cooperation to further collaboration between the two nations on a series of energy issues. The Memorandum establishes an institutional framework between Chile and the United States that will facilitate a broader range of cooperation and exchange activities, including U.S. technical expertise to support operations for Chile's new Renewable Energy Center.

"Cooperative efforts with partner countries like Chile are critical to strengthening our clean energy future throughout the Americas and addressing the shared challenge of global warming," said Secretary Chu. "As part of the Energy and Climate Partnership of the Americas, we will continue to work with countries throughout the western hemisphere to find new ways to produce and use energy."

“The support that the Department of Energy of the United States will give us, especially in establishing the pilot project for our first solar concentration plant and the constitution of the Renewable Energy Center, will allow us to incorporate international best practices and become a reference point within Latin American for these types of energy developments,” said Minister Tokman.

The Memorandum of Cooperation was signed during the official visit of the President of Chile, Michelle Bachelet, to the United States.

Under the agreement, Chile and the United States will collaborate on high priority energy issues, such as energy efficiency technologies and developing renewable energy sources, including solar, wind, wave, geothermal and biofuels. The Memorandum represents the latest in cooperation and exchange activities between the two countries and will facilitate technical assistance activities, expert visits, information exchanges, internships, capacity-building, etc.

Chile’s Renewable Energy Center, which will be eligible to receive DOE technical support under the Memorandum signed today, will work to identify developments in clean technologies and best practices in renewable energies from around the world. Acting as a “technological antenna,” the Center will gather and disseminate the information to entities within Chile and eventually regionally in order to catalyze the development and implementation of clean energy technologies. The agreement will also support the process of establishing two pilot projects for power generation using solar energy that will be constructed in northern Chile.

The Memorandum of Cooperation was developed as part of the Obama Administration’s Energy and Climate Partnership of the Americas, announced by President Obama at the 2009 Summit of the Americas.

See http://www.energypf.com/index.php?option=com_content&view=article&id=8401:secretary-chu-signs-memorandum-of-cooperation-with-chilean-energy-minister-tokman-&catid=8888928&Itemid=88890153.

Croatia: Hungarian PannEnergy Plans Geothermal Analysis

Hungarian geothermal developer PannEnergy signed a pre-contract with the local government of Koprivnica, Croatia to perform geological analysis regarding geothermal drilling potential, according to thinkgeoenergy.com. The Csurgó and Koprivnica settlements will jointly apply for grants in the EU’s cross-border cooperation scheme to fund surface measurements and test drilling, the article states.

See <http://thinkgeoenergy.com/archives/1914>.

Ethiopia: A Political Milestone in Geothermal Development in East Africa

Contributed by Marietta Sander

“Energy is the key to social and economic development in Africa.” With these words Dr. Ibrahim, the Commissioner of the Infrastructure and Energy Division of the African Union (AU) opened the “Geothermal Decision Makers’ Workshop” in Addis Ababa last Monday, 8. June 2009. Further opening remarks were given by the President of the Federal Democratic Republic of Ethiopia, H.E. Girma Wolde-Giorgis, the Minister of the Ethiopian Ministry of Mineral Development and Energy, H.E. Alemayehu Tegenu and the German Ambassador Claas Dieter Knoop. A total of 120 participants including 7 East African ministers and high ranking delegations of 3 other East African countries attended the workshop. The workshop was co-organized by ICS-UNIDO (International Technology Centre of the United Nations Industrial Development Organization), BGR (German Federal Institute for Geo-sciences and Natural Resources), the Ethiopian Ministry of Mines and Energy and the AU.

The main discussion topics during the three days included global geothermal success stories, geothermal technologies, conducive regulatory and legal environment, and funding options. In order to retain the

discussion results the 10 delegations compiled and signed the Addis Ababa Declaration on Geothermal Development. The declaration asks for a regional approach for geothermal development and aims at promoting regional capacity building, exchange of know how and equipment. During the consultations among the decision makers the AU was given the mandate to operate as the political body and facilitator of the regional geothermal initiative. The 10 countries asked the AU to install a Geothermal Development Agency which was very positively perceived by the Commissioner of the Infrastructure and Energy Division of the AU.

An additional result of the workshop is the intention to compile a project proposal on regional geothermal energy development in East Africa. ICS-UNIDO and BGR offered their support in this.

The BGR GEOTHERM Program has been supporting East African countries in capacity building, policy advice and geothermal resource assessments since 2003. Marietta Sander has been the Project Manager of the GEOTHERM Program since October 2008.

Website of the GEOTHERM Program: <http://www.bgr.de/geotherm>.

Iceland: Iceland Deep Drilling Project Hits Magma

Press Release—June 25, [IDDP-1 Drilled Into Magma at 2104 m. Depth](#)

Drilling of the first IDDP (Iceland Deep Drilling Project) well at Krafla, Iceland, continued in March this year. Yesterday, June 24th, Iceland Drilling's rig drilled into molten rock at 2104 m depth. The drill string got stuck but circulation of cold water (60-65 l/s) through the drill string has been maintained. Occasionally there has been return of circulation otherwise a total LOC (loss of circulation) in the hole. The drill string is being pulled out and the situation is under full control. Similar incidents of drilling into magma have been met in another well at Krafla, and also in Hawaii. The IDDP team will study the situation in detail during the next few days and then decide on the continuation of the project.

Project Progress

The aim of the Iceland Deep Drilling Project (IDDP) is to drill into geothermal resources at supercritical conditions, i.e. extremely high temperatures and pressure assumed to exist below 3.5 km depth at Krafla. The drilling of this well so far has been funded by Landsvirkjun (National Power Company) and Alcoa, and the intention was to continue drilling to 3.5 km depth before the IDDP program would take over the well and deepen it to 4.5 km. Evidently, this unexpected incident of hitting magma at only 2.1 km depth may affect the IDDP program at Krafla, but a thorough study of the situation will be undertaken. Potentially, this situation might enable a serious test of so-called engineered geothermal systems (EGS), where cold water is pumped into a neighboring well to be retrieved in the IDDP well as superheated steam. Further information of the IDDP drilling will be revealed at www.iddp.is and at www.icdp-online.org.

See <http://www.geysirgreenenergy.com/news/nr/122> and <http://yubanet.com/scitech/Scientists-Drill-Hits-Magma-Only-Third-Time-on-Record.php>.

Indonesia: Power Plant Expansion will Reach 400 MW Generation

Geothermal power producer PT Star Energy will invest up to \$400 million to expand and open two generators at its geothermal power plant, Wayang Windu, according to thejakartaglobe.com. The Wayang Windu plant currently generates 280 MW, according to the article, and will increase to 400 MW by the end of 2012. The company seeks to supply electrical grids on the islands of Java, Bali and Madura.

Purnomo Yusgiantoro, minister of energy and mineral resources, confirmed the continuing support of geothermal energy by the government. "The government has set a road map," Purnomo told press. "In 2025, geothermal energy will account for 6 percent of Indonesia's energy consumption, which is expected to be two million barrels a day."

See <http://thejakartaglobe.com/business/star-energys-power-plant-expansion-projected-to-generate-400-megawatts/313766>.

Philippines: EDC's Geothermal Expansion Project Approved by Local Gov't

The city council of Sorsogon City has endorsed the Rangas-Tanawon Geothermal Project, an expansion of the Bacon-Manito Geothermal Production Project of the Energy Development Corporation (EDC), according to energydigger.com.

The city conducted a series of committee hearings and determined investment, employment, and increase in royalty make it a beneficial project for residents. "I am convinced that this project will certainly improve the lives of the Sorsogonans, that is why I am optimistic in pursuing this kind of developmental effort," Mayor Leovic Dioneda told press.

See <http://www.energydigger.com/archives/article.asp?id=1245823000-0020>.

Notices

DOC Seeks Participation for Clean Energy Policy Mission to Indonesia (July 10)

The International Trade Administration of the U.S. Department of Commerce is hosting a clean energy policy mission to Indonesia and is seeking U.S. private sector participation.

Indonesia has the potential to produce an estimated 27,000 MW of electricity from geothermal sources. The Indonesian government is pushing energy expansion in support of 20,000 MW of new energy from renewable sources, with 4600 MW set aside for geothermal development.

The mission is scheduled for July 27–29 and will take place in Jakarta, Indonesia. Mission participants will join a delegation of U.S. Government officials for meetings with key Indonesian Ministries on policy challenges facing the development of Indonesia's considerable renewable energy resources. Participants will have the opportunity to shape the agenda to fit their company's or their industry's needs.

If you are interested in participating in the mission, please contact the International Trade Administration as early as possible so appropriate arrangements can be made on the size of the delegation. The deadline for participating is July 10. Participants are welcome to attend the July 27, US-Indo Society event on renewable energy and climate change, as well as the policy summit on July 28. Both speakers and participants are sought. Companies can purchase "gold-key" service from the embassy in Jakarta following the event at an additional cost.

There is no fee to participate in the mission, but companies will be expected to pay for the associated travel costs.

If you have additional questions, contact Shalizeh Nadjmi (202.482.3832) or Ryan Mulholland at 202-482-4693.

Ryan Mulholland
International Trade Specialist
U.S. Department of Commerce
Ryan.Mulholland@mail.doc.gov
(202) 482-4693

Submit Nominations Power Engineering Projects of the Year Award (by August 28)

Nominate your outstanding project for Power Engineering magazine's Projects of the Year Awards. Nominations accepted for projects in the renewable energy, nuclear, coal and natural gas power sectors. Details at <http://poe-media.com/portal/wts/cgmcrBbvuuqzjBajjBficjsE9u8>.

Call for Papers, Renewable Energy World North America (due August 7)

Renewable Energy World Conference & Expo is now accepting abstract submittals for the 2010 conference program. Submit your abstracts by August 7, 2009 and take advantage of the opportunity to share your insight with the renewable energy industry.

For more information including topics of interest and how to submit abstracts, visit <http://poe-media.com/portal/wts/cgmcrBbvuuqzjBajjBrycjsE9u8a>.

SMU Geothermal Laboratory Promoting Networking for Geothermal Projects

The SMU Geothermal Laboratory is willing to continue to help network people/companies together for geothermal projects. If you have been thinking about a project, but only have one or two aspects of it, let me know and we'll help you find others to build a team. See the funding opportunities related to coproduction and geopressure (DE-FOA-0000109) and Geothermal Heat Pumps (DE-FOA-0000116).

- ***Geothermal Technologies - Recovery Act*** - The U.S. Department of Energy requests proposals for the Geothermal Technologies Program for geothermal systems research, exploration, demonstration, and development. Areas of interest include: 1) Validation of Innovative Exploration Technologies, 2) Geothermal Energy Production from Low Temperature Resources, Co-produced Fluids from Oil and Gas Wells, and Geopressed Resources, and 3) Geothermal Data Development, Collection, and Maintenance. \$170 million expected to be available, up to 60 awards anticipated. Responses due 7/22/09. For more info, contact Genevieve Wozniak at genevieve.wozniak@go.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=47584>. Refer to Sol# DE-FOA-0000109.
- ***Ground Source Heat Pumps – Recovery Act*** - The U.S. Department of Energy requests proposals for the Geothermal Technologies Program: Ground Source Heat Pumps. Through this RFP, DOE seeks to increase the deployment of ground source heat pumps through new commercialization strategies that incorporate: 1) Innovative commercial-scale or residential community technology demonstration projects; 2) Data gathering and analysis related to system costs, performance, and installation techniques; and 3) A national GHP certification standard. \$50 million expected to be available, up to 21 awards anticipated. Responses due 8/6/09. For more info, contact Genevieve Wozniak at genevieve.wozniak@go.doe.gov or go to: <http://www.grants.gov/search/search.do>.

TANC Transmission Project EIR/EIS Public Scoping Comment Period Extended to July 30

TANC and Western Area Power Administration have further extended the scoping comment period by 60 days. The public scoping comment period for the TTP Environmental Impact Report/Environmental Impact Statement (EIR/EIS) will now close on July 30, 2009.

The TTP is a proposal to build and upgrade approximately 600 miles of high-voltage electric transmission lines and substations in northern California to increase reliability, reduce congestion, and facilitate the development and transmission of renewable electricity in Northern California.

For the most current information about the proposed project, including project overview, maps, facts sheets and other documents visit www.tanc.us and www.wapa.gov/transmission/tp.htm.

Written comments should be submitted to Mr. David Young, NEPA Document Manager at: Western Area Power Administration, Sierra Nevada Region, 114 Parkshore Dr., Folsom, CA 95630; fax 916-353-4772; or email tpeis@wapa.gov.

Questions/concerns call the project hotline, 916-353-4777 or email tpeis@wapa.gov.

Airborne Hyperspectral Surveys of Geothermal Areas, Nevada, August 1–4

The Aerospace Corporation, a non-profit company which operates a Federally Funded Research and Development Center (FFRDC), will be conducting airborne hyperspectral surveys in Nevada later this summer (early August). The survey will focus on several geothermal areas of interest -- particularly in Esmeralda and Churchill Counties, Nevada. Aerospace would like to collaborate with geothermal companies and apply R&D funds to conduct airborne surveys for geothermal resources. Two powerful state of the art hyperspectral sensors will be on board the aircraft: Aerospace's SEBASS hyperspectral sensor; combined with SpecTIR's ProspecTIR sensor. The airborne survey will also include a FLIR long wave bolometer.

SEBASS captures mid to long wave infrared spectral measurements within the thermal emissive range and SpecTIR's ProspecTIR captures the very near infrared to short wave infrared. The combined sensors provide an unrivaled full spectral hyperspectral capability. This co-locating of hyperspectral sensors can collect over 600 channels of spectral information from the visible to long-wave infrared.

With enough surveys in a general area, clients can share nonrecurring costs (e.g., deployment costs). The insight gained could be extremely valuable to companies that are exploring for geothermal resources in and around the state of Nevada.

Approach:

A - Fly over a known geothermal area of interest and create a "baseline" of the site -- using shortwave, and mid-long wave hyperspectral sensors.

B - Based upon discussions with a geothermal company, the Twin Otter aircraft (with the same combined sensor platform) subsequently flies over a prospective area of interest and map various epithermal spring deposits - such as sinter and note other mineralization features which could be indicative of a hydrothermal system.

C - Work with geologists to discuss and evaluate how hyperspectral airborne surveys can contribute to the conceptual model of a hydrothermal system.

To learn more about how the hyperspectral airborne survey can help with geothermal exploration - please contact: Karen L. Jones; 703 812-0623; karen.l.jones@aero.org.

CEC Program Opportunity Notice for Matching Funds for ARRA Applications

The Energy Commission is planning to release a solicitation (Program Opportunity Notice or PON) inviting applicants to request match funding from the Commission for projects proposed to USDOE under the ARRA funding programs. Applicants will be asked to submit a preliminary, brief application to the Commission describing their project and requesting match funding. The Commission will screen the applications and for those that pass, a letter of intent to provide match will be supplied. Applicants will then have to complete the application to the USDOE. If the applicants receive an award, then the applicants will be eligible for the match.

Below is the brief information The Energy Commission is sending out:

Energy Commission Announcement Document

The Commission will hold a workshop on June 19th, in Sacramento, for parties interested in this PON. The announcement for the PON will come out soon.

For more information, please contact: Gail Wiggett, gwiggett@energy.state.ca.us or Sandra Fromm, sfromm@energy.state.ca.us.

DOE Announces New Geothermal Funding Opportunities

From the Office of Geothermal Technologies, DOE:

The Geothermal Technologies Program (GTP) at the United States Department of Energy (DOE) would once again like to bring your attention to THREE funding opportunities announcements (FOA) for awards in geothermal technologies. On May 27, 2009, President Obama announced \$350 million of American Reinvestment and Recovery Act funding in support of geothermal technologies. GTP would like to encourage you to review the opportunities and to register at www.fedconnect.net as soon as possible. By registering, you will receive automatic notifications of amendments and modifications to the open FOAs. These are wonderful opportunities to explore projects that reflect the broad portfolio of geothermal technologies with the potential to exponentially advance deployment. Information on all three announcements can be found at:

https://www.fedconnect.net/Fedconnect/PublicPages/PublicSearch/Public_Opportunities.aspx

1. Recovery Act: Geothermal Technologies (attached) will close on July 22, 2009 at 11:59pm (EST). Application forms and instructions are available at: https://www.fedconnect.net/Fedconnect/PublicPages/PublicSearch/Public_OpportunitySummary.aspx
2. Enhanced Geothermal Systems Component Research and Development/Analysis (attached) will close on July 17, 2009 at 11:59pm (EST). Application forms and instructions are available at <https://e-center.doe.gov/iips/faopor.nsf/UNID/762FF27668B2EE82852575C30070422D?OpenDocument>.
3. Enhanced Geothermal Systems Demonstration (attached) will close on July 30, 2009 at 11:59pm (EST). Application forms and instructions are available at <https://e-center.doe.gov/iips/faopor.nsf/UNID/DFEA0DAF24386352852575C30077E428?OpenDocument>

Please forward this message widely to interested parties. The Geothermal Technologies Program looks forward to receiving your applications and growing our partnerships.

DOE Webcast Detailing Geothermal Funding Opportunities

The Department of Energy's Geothermal Technologies Program (GTP) has announced an upcoming webcast detailing funding opportunities under the American Recovery and Reinvestment Act, as recently announced by President Obama and Secretary Chu. This webcast will present the programmatic vision and goals of the GTP, the Funding Opportunity Announcement (FOA) application process, and technical facets of each FOA. Following the information session there will be an opportunity for questions and answers.

The general public and geothermal communities are highly encouraged to submit pre-questions to GO.GEOTHERMAL@GO.DOE.GOV. The GTP hopes to use this Webcast as a platform to communicate their goals to heat up the future of geothermal technologies.

For an exact date and time of the webcast please monitor the GTP's Web site at www.eere.energy.gov/geothermal.

USDA Announces REAP Grant/Loan Guarantee Funding (July 31)

Today USDA announced the long-awaited availability of funding for the 2009 program year for the Rural Energy for America Program (REAP). The Department is now accepting REAP applications for grants and loan guarantees for renewable energy and energy efficiency systems, and also is including funding for feasibility studies. The deadline for applying for REAP funding is July 31. This year \$60 million is available for projects. USDA has made some changes to the application process for REAP, incorporating statutory changes from the 2008 Farm Bill. A summary of these changes and the full notice may be found here: <http://farmenergy.org/news/usda-announces-reap-funding-for-2009>.

Resource Development Opportunity, Contact, Nevada

Seeking someone to do a feasibility study and/or development of property to generate commercial electricity. The property is 30 acres of commercial property on highway 93, approximately 15 miles from the Idaho/Nevada border in Contact, Nevada. The property is in a hot water zone.

In the mid 1970's Phelps Dodge had many drilling sites for copper approximately three quarters of a mile from the property. Phelps Dodge was drilling and hit hot water that was too hot for them to continue drilling.

The property is also three quarters of a mile from high power transmission lines running north and south.

Please contact Ted Reddy, at 25653 S. Brentwood Dr. Sun Lakes, AZ 85248, by phone 480-707-2574, or by email, reddyteddy@hotmail.com.

Hannon Armstrong Announces Advisory Services for DOE Loan Guarantees

The American Recovery and Reinvestment Act expanded DOE Loan Guarantees and U.S. Treasury Tax Grants, providing renewable energy project developers a path for project funding, according to the Hannon Armstrong Web site. The company has launched an advisory service offering for industry members seeking to apply.

Vice President of Analytics and Structuring Nate Rose told press, "The outcomes vary rather substantially from existing project finance models, and vary between solar, wind, geothermal and biomass projects."

"Given our team's experience with DOE and OPIC loan guarantees, and our appreciation of how challenging this process is, we decided it makes sense to expand our Federal finance offer to include not just the application and its negotiation, but also the monetization of the capital required with this new structure," said Jeffrey Eckel, President and CEO.

See http://www.hannonarmstrong.com/index.php?option=com_content&task=view&id=28.

Resource Development Opportunity, Rosebud Sioux Tribe, Rosebud, SD

The Native American Tribe near Mission SD has a deposit of geothermal energy under their large Rosebud Reservation in South Dakota. See U.S. News & World Report, November 7, 2007, DOE map of U.S. Geothermal Hotspots, p. 52, reference to deposit p. 50.

Leigh Bryant-Zarse, the architect, engineer, and consultant in Wisconsin who is submitting this solicitation, attended a meeting of the Tribe Council on September 16, 2008. The Tribe presented him with a resolution to approach developers with free exploration rights on their reservation, and agreed to split 1/10 of 1% of the energy profits for a period of 2 years, if found. These parties are looking for help to develop the resource. The reservation exists under a sole ownership, making it easy to deal with.

Contact: Leigh Bryant-Zarse, Architect-Engineer-Consultant, 1812 Mountain Ave., Wauwatosa, WI 53213-2336, phone and fax: 414-259-1812
Rosebud Sioux Tribe: Chief Rodney Bordeaux, PO Box 430, Rosebud, SD 57570, phone 605-747-2381

Employment Opportunities

State Oil, Gas, and Geothermal Supervisor, Department Of Conservation (July 3)

The State Oil and Gas Supervisor is a member of the Department of Conservation Director's Executive Staff and is responsible for directing the operation of the State of California Division of Oil, Gas, and Geothermal Resources. This position also serves as the alternate of the Director on the Interstate Oil and Gas Compact Commission. The State Oil and Gas Supervisor develops and implements petroleum, gas and geothermal regulatory programs and policies for the Director and pursues statutory and regulatory changes as needed. The position provides supervision for statewide regulation of a highly technical well evaluation and field operations program designed to prevent damage to oil, gas, and geothermal energy deposits and serves to prevent contamination of water resources and the environment. Enforcement of statutes and regulations encourages sound engineering practices and prudent development of the State's hydrocarbon and geothermal resources. The Division's key customers are oil, natural gas, and geothermal operators; consultants and drilling engineers; state and federal agencies; local and regional governmental agencies; cities and counties; and public interest and environmental groups, with the State Oil and Gas Supervisor serving as the expert spokesperson for the Department on oil, gas and geothermal issues. Under the administrative direction of the Department of Conservation Director, the position has substantial authority for the technical and policy decisions affecting its program. The position also has delegated authority related to memoranda of understanding, contracts, grants, and other administrative actions, and makes final determinations on civil penalties imposed on oil and gas operations for violations of statutes and regulations.

Job closes Friday, July 3. Application packages postmarked, personally delivered, or received via interoffice mail after 5:00 pm on the final filing date, will not be accepted. Application packages must include two copies of the items listed below

All interested applicants must submit:

- A standard State application (Std. 678) with civil service titles and dates of experience. Applications may be obtained from the State Personnel Board's website at <http://www.spb.ca.gov>.
- A "Statement of Qualifications". The Statement is a narrative discussion of how the candidate's education, training, experience, and skills meet the minimum and/or desirable qualifications and qualify them for the position. The Statement of Qualifications serves as a documentation of each candidate's ability to present information clearly and concisely in writing and should be typed and discuss the six critical factors listed above. The statement should be no more than two (2) pages in length. Applications received without the "Statement of Qualifications" will be rejected.
- Resumes do not take the place of the Statement of Qualifications.

Applications must be submitted by the final filing date to:
Department of Conservation, Examination Unit, Theresa Xavier
801 K Street, 22nd floor, MS 22-13, Sacramento, CA 95814

See complete job description at
<http://www.conservation.ca.gov/index/Documents/CEA%20STATE%20OIL%20AND%20GAS%20SUPERVISOR.pdf>.

Vice President of Engineering, Ram Power, Inc.

Ram Power, Inc., a recently formed renewable geothermal and solar thermal project development company, with offices in Nevada and California has an immediate opening for a Vice President of Engineering. The candidate will be responsible for managing all aspects of Engineering and Procurement as it pertains to the company's current and future Solar and Geothermal Projects. This position reports to the President and CEO and works closely with other functional leaders in the company, including those in finance, business development, and marketing.

Responsibilities:

- Assist in developing strategic planning for and direction and control of project development activities.
- Provide technical direction and guidance, as well as hands-on project management for all solar and geothermal project development.
- Ensure the optimal application of technology and engineering resources to meet project development requirements.
- Direct the definition and procurement of geothermal and solar thermal power plants, and provide oversight of power plant and surface facility construction.
- Hire and direct a team of engineers from different disciplines to acquire necessary resources and plan to meet scheduled commitments.
- Ensure implementation of formal processes to support project development, including interconnection and transmission agreements.

Requirements:

- Strong operational and project management skills to manage logistics and time, as well as people and materials for multiple projects.
- Solid understanding of engineering technical issues/needs, financial, sales, and marketing as related to project design and development.
- Successful candidate must have at least 10 years engineering experience in the energy/renewables industry with primary experience in power plant technologies. Prior work experience in the area of steam power plants and Organic Rankine Cycle is an advantage. Prior work experience in solar and geothermal is preferred.
- Strong Engineering experience in Design, Analysis and Development of Renewable Energy Projects, as well as Proposal Drafting.
- Excel software knowledge to create estimates and manage projects to improve project profitability. Fluency in AutoCAD is essential.
- Knowledge of PPA's (Power Purchase Agreements), related building codes and NEC, as well as permitting process and ability to manage specification, procurement and delivery of equipment and material.
- Minimum of Bachelors Degree in Electrical or Mechanical/Chemical or Civil Engineering and 10 years demonstrated project management experience. PE (Professional Engineer) certification is an advantage.

Email resumes to info@ram-power.com or fax to: (775) 828-0904

Drilling Program Manager, Major Geothermal Power Company in CA

A Geothermal Energy Company in Northern California is seeking a Drilling Program Manager to oversee all drilling operations of an 800+ acre expansion project. Please send updated resume and salary requirements. Experience as follows:

1. Experience managing successful geothermal drilling programs.
2. Leadership experience and management of drilling and support personnel.
3. Experience managing compliance with safety and environmental regulations.
4. A successful track record of improving business performance and meeting and managing against operating goals and budgets.

5. Exposure to drilling technology, service providers, contracts and risks.
6. Relationships with relevant parties within the geothermal drilling industry including, but not limited to: rig providers, contractors, vendors, consultants and qualified company men.
7. Thorough understanding of the contracting and procurement processes required for cost effective drilling program management.

Contact: Mike Erney, Project Director – Alternative Energy, The Carmon Group:
(216) 328-9060 EXT 102
michaelerney@carmongroup.com
www.linkedin.com/in/michaelerney

Senior Director, Business Development, Major Geothermal Company

The Senior Director, Business Development is responsible for overseeing the Business Development function in North America for geothermal market. This role could quickly grow into a VP role and will oversee a sales team currently consisting of 8 sales reps and will grow it by 50%.

Essential Functions:

- Direct and execute the business development strategy to achieve company goals and objectives.
- Identify and develop key strategic partnerships, both internally and externally.
- Responsible for negotiating PPAs and contract changes.
- Evaluate and analyze market expansion opportunities
- Build and lead a business development team that will assist the company towards completion of company goals
- Build relationships with internal departments so that all areas of the company are ready to execute when necessary.

Education, Experience, and Skills Required:

- Bachelor degree in engineering and MBA
- 10–15 years experience in Sales, Marketing, Business Development or Operations roles (preferably a mix of sales and operations in energy industry)
- Willingness to travel up to 60% nationally and internationally
- Ability to negotiate contracts with potential business affiliates
- Experience in the renewable energy field a strong plus
- Proven track record maintaining confidentiality and dealing with company proprietary information

Contact:
Paige Carratturo
Executive Recruiter
Richard Wayne & Roberts
877-236-0899 (direct)
206-855-9746 (fax)
paige@rwr.com
<http://www.linkedin.com/in/paigecarratturo>

Geothermal Project Supervisor, Central American Bank for Economic Integration, Costa Rica

The Central American Bank for Economic Integration (Banco Centroamericano de Integración Económica, BCIE) is looking for an expert in geothermal energy to supervise a project in Costa Rica. It is called Las Pailas and it is financed through BCIE.

Contact:
Ana Karina Rubi de Reyes, Oficial de Consultorias, BCIE-Tegucigalpa, Honduras

Tel. +504-240-2243, Ext. 5214
Fax. +504-240-2228

Visit the BCIE Web site, www.bcie.org - www.cabei.org

Research Associate II, SMU Geothermal Laboratory

Position: The SMU Geothermal Laboratory, Dallas, Texas, has an opening for a Research Associate II for an appointment of 2 years. The research is supported in part by a grant from GOOGLE.org to SMU. The activities associated with the position relate to the temperature field of the U.S. lithosphere. The outcome is the ability to make sound resource related renewable energy decisions. This research will build on the extensive thermal data sets used to produce the 2004 Geothermal Map of North America by collecting new data and modeling the regional thermal structure.

Qualifications: A PhD in geosciences is strongly preferred or an MS in geophysics and 3 years of work experience. Candidates must demonstrate strong analytical/critical thinking skills to identify issues and information requirements, apply appropriate research and analytical procedures, and review data with a strong focus on attention to detail and accuracy.

Apply online at <http://smu.edu/hr/recruit/> search for “geothermal”
Contact: Dr. David Blackwell, blackwel@smu.edu, 214-768-2745

Geothermal Engineering Analyst, National Renewable Energy Laboratory

Geothermal Engineering Analyst—Requisition #114BR or 115BR—Washington, D.C.

Job/Research Summary: This position performs technology, market and economic analysis, with an emphasis on geothermal energy technology, systems, and infrastructure. Work carried out will support R&D and decision-maker support activities within the Geothermal program through the use of analysis methodologies such as economic feasibility, market transformation, risk, portfolio balance, and cost-versus-benefit. Design novel approaches for systems and infrastructure analysis. Deliver quality products that synthesize the inputs of team members, researchers, market players, and other analysts. Innovate new methods, tools, and approaches that enable greater understanding of geothermal systems.

Job Duties: Combines broad, in-depth knowledge of chemical and/or mechanical engineering with an emphasis on process, heat transfer, and fluids engineering with strong economic analysis capabilities. Performs engineering/economic analyses of geothermal systems and electric transmission in cooperation with research community to gather and understand field data. Documents work in detailed technical memos and internal milestone reports; publishes and presents key results in peer-reviewed journals and at regional, national, and international scientific meetings and conferences. Supports the development of annual operating plans and assists with strategic planning efforts. Works with Department of Energy on technology goals and opportunities.

Minimum Qualifications: Bachelor's Degree in science and/or engineering, or equivalent/relevant education/experience. 3 years of relevant R&D experience.

Preferred Qualifications: Multidisciplinary research exposure to both chemical and mechanical engineering systems, especially those related to the development of cost-effective geothermal systems for utility-scale applications. Familiarity with value chain analysis, risk analysis, and dynamic modeling. Experience in the development and evaluation of applied technology aimed at entering the marketplace. Previous industry experience in renewable energy and geothermal technologies, with experience in related analysis. Established base of contacts with individuals and institutions relevant to energy analysis. Experience working with the federal government. Some experience with computer modeling of energy markets.

Pre-employment drug testing required.

Please visit our Web site for more information and to apply online: www.nrel.gov/employment/
NREL is an equal opportunity employer committed to diversity and a drug-free workplace.

Requests for Proposals (RFPs)

RFP for Smart Grid Demonstrations, DOE, American Recovery and Reinvestment Act

The U.S. Department of Energy announces its intent to request proposals for Smart Grid Demonstrations. Through this RFP, DOE seeks regionally unique demonstrations to verify smart grid technology viability, quantify smart grid costs and benefits, and validate new smart grid business models, at a scale that can be readily adapted and replicated around the country. Areas of interest include: Smart Grid Demonstrations, Synchrophasors, and Energy Storage. \$615 million expected to be available, up to 36 awards anticipated. Closing date to be announced with release of RFP. For more info, contact Keith Carrington at keith.carrington@netl.doe.gov or go to: <http://www07.grants.gov/search/search.do?jsessionid=9x3VJydGP2TfWHPRK9mfnpHLqsWpm1TQmDJTzS6XLDp1QJKpb2SM!-1267850137?oppId=46836&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000036. (Grants.gov 4/16/09)

RFP for State Energy Program, DOE

The U.S. Department of Energy requests proposals for the State Energy Program (SEP). This program provides formula grants to State and Territorial energy offices to design and carry out renewable energy and energy efficiency priorities. \$25 million expected to be available, up to 56 awards anticipated. Due dates based on state/territorial program years. For more info, contact Lisa Kuzniar at lkuzni@netl.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46791>. Refer to Sol# DE-FOA-0000073. (Grants.gov 4/14/09)

RFP for Contribution of Cost Share for Transportation Related Recovery Act RFPs, CEC

The California Energy Commission requests proposals for the American Recovery and Reinvestment Act Cost Share: Alternative and Renewable Fuel and Vehicle Technology Program. Through this RFP, the CEC will contribute cost share to applicants who are submitting proposals to the Federal government in response to a transportation-related Recovery Act funding opportunity announcements. All projects must be based in California. Eligible Recovery Act solicitations include, but are not limited to: Transportation Electrification (Round 1), DOE, DE-FOA-0000028; Energy Efficiency and Renewable Energy Research – Electric Drive Battery and Component Manufacturing Initiative, DOE, DE-FOA-0000026; Clean Cities (Rounds 1 and 2), DOE, DE-PS26-09NT01236-04; and Transit Investments for Greenhouse Gas and Energy Reduction, DOT, FTA-09005-TIGGER-TRI. \$176 million expected to be available, due dates vary by solicitation. For more info, contact Sarah Williams at skawilli@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/transportation.html#PON-08-010>. Refer to PON-08-010.

RFP for Renewables Purchase in Southwest, U.S. Navy

The U.S. Department of the Navy announces its intent to request proposals for the purchase of competitively priced renewable electrical power through power purchase agreements at Naval and Marine Corps installations in the Naval Facilities Engineering Command Southwest AOR. The Navy seeks systems that are constructed, owned, operated, maintained and repaired by the successful offeror(s) on Government property located within the installation boundaries. Up to 5 awards anticipated. The RFP will be issued “within the next month.” For more info, contact Russell Dominy at Russell.dominy@navy.mil or go to:

<https://www.fbo.gov/?s=opportunity&mode=form&id=2d9716078bff363ae320d7e111d4b2d0&tab=core&cvview=1>. Refer to Sol# N6258309R0085. (FBO 4/17/09)

RFP for Technology and National Research Priorities, American Recovery and Reinvestment Act

The National Institute of Standards and Technology requests proposals for the Technology Innovation Recovery Act Measurement Science and Engineering Research Grants Program: Providing the Technology Infrastructure to Address National Priorities. Priority research areas include, but are not limited to: Energy, environment and climate change; manufacturing; and physical infrastructure. \$35 million expected to be available, up to 60 awards anticipated. Responses accepted on a continuous basis. For more info, contact Christopher Hunton at christopher.hunton@nist.gov or go to:

<http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46063>. Refer to Sol# 2009-NIST-ARRA-MSE-RESEARCH-01. (Grants.gov 3/16/09)

RFO for Renewables Portfolio Standard (RPS) Solicitation, PG&E (July 17)

From PG&E:

Today PG&E issued its 2009 Renewables Portfolio Standard (RPS) Solicitation. PG&E will be seeking to procure an additional 1-2% (800-1600 GWh/year) of its customers' electricity needs from RPS-eligible renewable resources. PG&E will host a pre-bid general conference on July 21, 2009 from 1:00 -3:00 pm (PPT) followed by the Imperial Valley pre-bid conference from 3:00 – 4:30 (PPT) in the auditorium of PG&E's headquarters at 245 Market Street in San Francisco. Please submit a non-binding Notice of Intent to Bid and an RSVP for the pre-bid conference by July 17, 2009. All bids are due on August 24. Copies of the solicitation protocol, power purchase agreements and related information and materials are now available on PG&E's website at:

<http://www.pge.com/b2b/energysupply/wholesaleelectricssolicitation/renewables2009/index.shtml>.

We look forward to your participation. If you have any questions, please send an e-mail to RenewableRFO@pge.com.

RFP for Electric Energy Proposals, Southern California Edison (August 21)

Southern California Edison seeks electric energy proposals from eligible renewable energy resource suppliers. Proposal Structure Letter, Seller's Proposal Template and Term Sheet due August 14, 2009; hard copies of complete and conforming Proposal Binders due August 21.

RFP materials and schedule available on

<http://www.sce.com/AboutSCE/Regulatory/qualifyingfacilities/renewable-rfp.htm>.

RFP for Environmental Implications of Emerging Technologies, NSF (September 15)

The National Science Foundation requests proposals for Environmental Implications of Emerging Technologies, for research to develop and test the environmental effects of new technologies. Areas of interest include, but are not limited to: The development and refinement of sensors and sensor network technologies; innovative production processes, waste reduction, recycling, and industrial ecology technologies; and evaluation of the effect of increased usage of renewable resources on water supply and land use. Individuals awards generally NTE \$80K each. Responses due 9/15/09. For more info, contact Paul Bishop at pbishop@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030. Refer to Sol# PD-09-1179. (Grants.gov 3/23/09)

RFP for Energy for Sustainability, National Science Foundation (September 15)

The National Science Foundation requests proposals for the Energy for Sustainability Program. This program supports research and education in energy production, conversion, and storage, and is focused on energy sources that are environmentally friendly and renewable, including solar, wind and biomass. Average individual awards \$100K. Responses due 9/15/09. For more info, contact Trung Nguyen at tnguyen@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501026. Refer to Sol# PD-09-7644. (Grants.gov 3/6/09)

RFP for Thermal Transport Processes, National Science Foundation (September 15)

The National Science Foundation requests proposals for the Thermal Transport Processes Program, for engineering research aimed at gaining a basic understanding of the microscopic and macroscopic levels of thermal transport phenomena (heat and mass transfer) underlying energy conversion and conservation, the synthesis and processing of materials, cooling and heating of infrastructure and equipment, and more. An active understanding of thermal transport in energy conversion and conservation processes is vital to reduce the nation's dependence on petroleum. Awards NTE \$100K. Responses due 9/15/09. For more info, contact Theodore Bergman at tbergman@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13367. Refer to Sol# PD-09-1406. (Grants.gov 3/9/09)

RFP for National Lab Partnerships for Energy Research, DOE (November 9)

The U.S. Department of Energy requests proposals for Experimental Program to Stimulate Competitive Research (EPSCoR); Building EPSCoR-State/National Laboratory Partnerships. This RFP will support collaborative partnerships between National Laboratories and academic or industrial researchers to conduct nationally competitive, energy-related research. \$1.7 million expected to be available, maximum awards generally \$600K. Pre-applications are required and are due 6/5/09, final proposals due 11/9/09. For more info, contact Marilyn Oyler at marilyn.oyler@science.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/33EE94649665FEA8852575A1006CCB0A?OpenDocument>. Refer to Sol# DE-PS02-09ER09-11. (Grants.gov 4/23/09)

RFP for Renewable Energy Resources, Los Angeles (March 11, 2010)

The Los Angeles Department of Water and Power (LADWP) has issued a rolling request for proposals (RFP) designed to seek renewable energy proposals on a continuous basis throughout the year. The rolling RFP calls for proposals for approximately 1,000 GWh per year of renewable energy resources such as solar, wind and geothermal power. This amount represents nearly 4% of LADWP's power sales.

LADWP is looking to acquire renewable energy resources through either immediate ownership of power generation facilities or through long-term power purchase agreements. Under the terms of the new RFP, green power providers can submit their proposal anytime throughout the year. LADWP will open and consider the proposals on a monthly basis, and could then begin evaluation and negotiation of a particular project right away.

LADWP says it will give preference to proposals that offer immediate facility ownership or to long-term PPAs that have an ownership option. Additionally, LADWP is targeting solar projects located in the high deserts of California, close to LADWP's existing transmission system. The application deadline is March 11, 2010.

RFP for Smart Grid Investments, DOE, American Recovery and Reinvestment Act (March 31, 2010)

The U.S. Department of Energy announces its intent to request proposals for the Smart Grid Investment Grant Program. Through this program, DOE seeks to stimulate the rapid deployment and integration of advanced digital technology that is needed to modernize the nation's electric delivery network for enhanced operational intelligence and connectivity. The program will support projects that promote deployment, including development of component technologies. Individual award range anticipated to be \$500K to \$5 million. The RFP will open on or about 6/17/09. Three due dates anticipated: 7/29/09, 12/2/09, and 3/31/10. For more info, contact Donna Williams at Smart-Grid.NOIComments@hq.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/39C0D96768F2083F8525759A0068F216?OpenDocument> <http://www07.grants.gov/search/search.do;jsessionid=9x3VJydGP2TfWHPRK9mfnpHLqsWpm1TQmDJTzS6XLDp1QJKpb2SM!-1267850137?oppId=46833&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000058. (Grants.gov 4/16/09)

Upcoming Events

1st East Caribbean Geothermal Conference, June 30–July 2 (Nevis)

Nevis will play host to a geothermal conference in two weeks at the Mount Nevis Hotel from June 30-July 2, the first of its kind to be held in the Eastern Caribbean.

The conference will involve two days of intense sessions and a workshop on geothermal by experts from the Auckland University in New Zealand on day three.

Details and agenda at <http://www.caribbeanpressreleases.com/articles/5213/1/Nevis-to-host-landmark-East-Caribbean-Geothermal-Conference/Page1.html>.

Geothermal Lease Sale: California, Nevada, and Utah, July 14 (Reno, NV)

The U.S. Bureau of Land Management has announced new geothermal lease sales in California, Nevada, and Utah in July 2009. The “competitive oral sale of Federal lands for geothermal leasing” will take place on July 14, at the BLM Nevada State Office in Reno.

In Nevada, 112 parcels with a total of 337,000 acres are offered. See BLM Nevada: http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html.

In California, 19 parcels with a total of 11,390 acres are offered. Check for updates: <http://www.blm.gov/ca/st/en/prog/energy/geothermal.html>.

In Utah, one parcel of 228 acres is for sale. See BLM Utah: http://www.blm.gov/ut/st/en/prog/energy/geothermal0/july_2009_geothermal.html.

Indonesian Clean Energy Policy Mission, U.S. Department of Commerce, July 27–29 (Jakarta, Indonesia)

The International Trade Administration of the U.S. Department of Commerce is hosting a clean energy policy mission to Indonesia and is seeking U.S. private sector participation.

Indonesia has the potential to produce an estimated 27,000 MW of electricity from geothermal sources. The Indonesian government is pushing energy expansion in support of 20,000 MW of new energy from renewable sources, with 4600 MW set aside for geothermal development.

The mission is scheduled for July 27–29 and will take place in Jakarta, Indonesia. Mission participants will join a delegation of U.S. Government officials for meetings with key Indonesian Ministries on policy challenges facing the development of Indonesia's considerable renewable energy resources. Participants will have the opportunity to shape the agenda to fit their company's or their industry's needs.

Contact Ryan Mulholland, International Trade Specialist at the U.S. Department of Commerce, Ryan.Mulholland@mail.doc.gov or (202) 482-4693.

GEA: Direct Use/Small Power Finance Workshop, Oregon Institute of Technology (OIT), August 12-13 (Klamath Falls, OR)

GEA in cooperation with OIT will host a geothermal direct-use and small power workshop in Klamath Falls, Oregon in the summer of 2009. The format would be an all day workshop with a site tour the following day. Included in the workshop agenda will be the how-to's of financing a small power/direct use project, direct use technology, presentations of small projects and direct use projects today and information about drilling and exploration for such projects. For more information contact Kathy Kent at kathy@geo-energy.org.

GEA: Geothermal Energy Expo/GRC Annual Meeting, October 4-7 (Reno, NV)

The 2009 Geothermal Energy Expo and GRC Annual Meeting will be held October 4-7 at the Peppermill in Reno, Nevada. For more information about the Geothermal Energy Expo, visit: <http://www.geo-energy.org>.

Renewable Energy Indonesia 2009 Trade Show, October 14–17 (Jakarta, Indonesia)

Indonesia has 45% of the world's geothermal energy resources. Renewable Energy Indonesia 2009 is the 5th international exhibition for all renewable energy technologies. It will be held at the International Exhibition Centre at Kemayoran, October 14–17, 2009.

For more information: www.pamerindo.com.

SMU Geothermal Conference, November 3–4 (Dallas, TX)

SMU Geothermal Laboratory has announced new dates for this year's conference, Geothermal Energy Utilization Associated with Oil and Gas Development. From SMU: We postponed the June 18–19 conference to November to give more time for working with companies responding to the many requests for proposals, and to give new projects time for installation so they can report the progress. We apologize for any inconvenience by changing the dates. Looking forward to seeing you in November!

Topics Presented: Power Generation Technology Advancements, Geothermal Resource Exploration and Assessment, Reservoir Engineering, Fracturing, Geopressure Development, Tight Gas Sands Development, Enhanced Geothermal Systems – International, Green Power for Utilities, Renewable Energy Credits and Tax Incentives, Economics and Business Plan, Transmission Needs, Regulation Laws and Leasing, Financing, Demonstration Sites

Submit abstracts for consideration to: blackwel@smu.edu or call 214-768-2745 to discuss an idea. Deadline for submission is September 1, 2009.

More conference details online - <http://smu.edu/geothermal>.

XVII Annual Congress and Annual Assembly, Mexican Geothermal Association, November 13 (Mexico)

The Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana) will hold its XVII Annual Congress and Annual Assembly by November 13, 2009, at the CFE (Comisión Federal de Electricidad) offices in Morelia, Mich., Mexico.

Preliminary program:

9:00 – 10:00 hours: Registration

10:00 – 13:00 hours: Technical presentations

13:00 – 14:00 hours: Lunch

14:00 – 17:00 hours: Technical presentations

17:00 – 18:30 hours: Ordinary Assembly

Fees: AGM's members: 750 Mexican pesos (~55 USD). Non-members: 1,100 Mexican pesos (~85 USD). Students and retired: 50%. Fee includes lunch, transactions and coffee breaks.

Deadlines:

Submission of abstracts: July 24

Acceptation notification: August 7

Submission of extended papers: September 4

Pre-registration: November 3

Complete call for papers (in Spanish) at: <http://www.geotermia.org.mx> (See: Congreso 2009)

More information: Luis C.A. Gutiérrez-Negrín (AGM's secretary): l.g.negrin@gmail.com.



GEA Weekly Update

A newsletter for the geothermal industry written by Leslie Blodgett and Karl Gawell. For more information contact GEA at: 209 Pennsylvania Avenue SE, Washington, D.C. 20003. Phone: 202-454-5261; Fax: 202-454-5265; E-mail: research@geo-energy.org