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National News

Presidential Candidates Energy Stances Play into Election

With the election looming next week, the Wharton School of the University of Pennsylvania published an article detailing the candidates’ energy proposals. "The big differences, frankly, are where they want to push the money rather than one campaign pushing things that are feasible and the other pushing things that are not," Matthew White, a professor of business and public policy at Wharton, said. The article points out that neither candidate talks much about the rising energy prices that will probably occur no matter who wins.

Though the article says the proposals are strikingly similar, it points out differences. Obama emphasizes reduced dependence on foreign oil and supports subsidies for ethanol production, and he has gained support from environmentalists. McCain emphasizes drilling and nuclear power, and would cancel subsidies for ethanol, opening the market to foreign competitors. He tends to be supported by business groups.

See the article in full at <http://knowledge.wharton.upenn.edu/article.cfm?articleid=2082>.

Senator Bingaman on “Rescuing Energy from Partisanship”

In an Op-Ed published in the Washington Times, Sen. Jeff Bingaman (D-NM), Chairman, Senate Energy Committee, “summarizes his legislative priorities in energy for the new Congress, while also making clear that he sees a bipartisan approach as essential to accomplishing these goals.”

Following is an excerpt from the October 29th Op-Ed:

As Chairman of the Senate Energy Committee, I plan to push early and hard in the next Congress to return us to an effective, bipartisan and comprehensive approach to energy policy. Despite the successes that we have had in this Congress and the last, there is a lot of work that remains to be done to secure an American energy future that is adequate, affordable and clean.

We must work harder on the deployment of new energy technologies of all kinds. Particularly with the growing concern about global warming, we need to make sure that we develop and deploy a new generation of clean, low-carbon energy technologies. Those technologies include renewable energy; carbon capture, transportation and storage; and other low-carbon technologies, like nuclear power. There

is a global clean-tech revolution that we can either lead, or completely miss out on. I believe that we need to make the investments here in the United States to lead it.

Along with new clean energy technologies, we will need a modernized energy infrastructure to make sure that clean energy can be transported or transmitted from wherever it is generated to where it is needed. Without a major new focus on putting in place a 21st-century energy infrastructure, we will not be able to make progress on either our energy security goals or our climate security goals.

Our push for new clean sources of energy does not mean that we can ignore our existing major bases of energy supply. We need to make sure that we have adequate and affordable supplies of conventional fuels as we make the needed transition to an energy future where our reliance on fossil fuels will be lessened.

Along with new sources of energy, we need to make much more progress on using energy wisely and efficiently. A major focus of our continuing efforts needs to be made in the transportation sector. Our concern for energy efficiency also needs to focus on what we can do to improve energy usage in manufacturing, buildings, commercial equipment and appliances. There is a long-standing partnership between Congress, efficiency advocacy groups and industry in setting the bar increasingly higher in these areas, and I hope that we can push for still more improvements in the next Congress.

Our ability to deliver new energy technologies and innovations will depend crucially on our ability to fund new energy science and engineering, and on training the next generation of energy researchers, engineers, and technicians. Our investments in these areas have been totally inadequate over the past decade, and we need to boost these levels substantially. That is a cause that has enjoyed strong bipartisan support in the Senate, as evidenced by the passage of the America COMPETES Act boosting Federal science and technology programs, last year.

Finally, we need to improve the functioning of Federal agencies and programs relating to energy across the board. We need to develop real strength in the Federal government in terms of working with entrepreneurs, industry and markets in commercializing new energy technologies. We need to ensure that a new generation of energy professionals can be brought into government to help us meet the challenges before us. One of the most effective windows we have on energy markets, the Energy Information Administration, needs to be significantly expanded and strengthened, so that we can better understand the forces driving energy prices.

This is a brief list of some of the key challenges that will face us in the next Congress. It is not intended to be an exhaustive one. I have publicly invited my colleagues on both sides of the aisle in the Senate to work with me on our energy challenges as we prepare for the next Congress. When the next Congress convenes, I will be the longest-serving member of the Committee on Energy and Natural Resources, and I am proud of its long history of bipartisanship, stretching back to Senator "Scoop" Jackson in the 1970s. Energy is not an inherently partisan issue. If we care about our nation's future, we must return Washington to the bipartisan, substantive, and forward-looking approach to energy that has marked our successes in the past.

DOE Loan Guarantee Application Deadline Extended to February 26, 2009

From Sustainable Energy Coalition/SUN DAY Campaign: [U.S. Department of Energy Extends Application Deadline for Renewable Energy Loan Guarantee Solicitation](#)

The U.S. Department of Energy (DOE) announced today that it is extending the due date for submission of applications for loan guarantees under Title XVII of the Energy Policy Act of 2005 for the June 30, 2008 solicitation (DE-FOA-0000005) for energy efficiency, renewable energy and advanced transmission and distribution technologies (the "Renewables Solicitation"). The application submission due dates for stand-alone and manufacturing projects, as well as the Part I applications for large-scale integration projects, have been extended from December 31, 2008 to February 26, 2009.

See <http://www.energy.gov/news/6700.htm>.

House Looks to Bring Stimulus Package to Floor Next Month

Sustainable Energy Coalition/SUN DAY Campaign: [House Democratic Leaders Eye Lame-Duck Stimulus Bill](#)

House Democratic leaders appear to be moving toward bringing a \$100 billion economic stimulus package to the floor during a lame-duck session the week of November 17. Infrastructure spending discussions are focused on alternative energy projects, the national electricity grid, expanding broadband Internet access and creating "green" jobs. Business interests continue to push for inclusion of programs to help small businesses, the auto industry and mortgage-related matters. It is not clear whether President Bush would sign off on a second package.

See http://www.nationaljournal.com/congressdaily/cdp_20081029_5699.php.

Democratic Majority in Senate Could Mean National RPS

A strengthened Democratic majority in the U.S. Senate could give the edge needed to approve a Renewable Portfolio Standard (RPS) to require greater alternative energy production, according to fxstreet.com. "The RPS is almost a certainty," said Dave Hamilton, director of Global Warming and Energy Program at the Sierra Club. Hamilton was speaking in reference to polling numbers, the article said. But southern utility companies have lobbied against a federal RPS.

The Democratic presidential candidate, Sen. Barack Obama of Illinois, supports a 25% RPS by 2025. Republican candidate Sen. John McCain of Arizona does not support a national RPS.

See <http://www.fxstreet.com/news/forex-news/article.aspx?StoryId=a0c501bd-0ba5-485c-adc7-0a4865ff8ae8>.

Company News

Nevada Geothermal Power: Business Television Features Company

Nevada Geothermal Power will be featured on BTV-Business Television on November 1 and November 2, according to marketwatch.com. Also on the program, John McIlveen of Jacob & Company Securities will discuss geothermal energy.

BTV BROADCAST TIMES:

CANADA: BNN -- Sat, Nov 1st @ 8:00pm ET

Ontario: SUNTV -- Sun, Nov 2nd @ 9:00am ET

Alberta: CITY TV -- Sat, Nov 1st @ 10:30am MST

BC/Washington: KVOS TV -- Sun, Nov 2nd @ 4:30pm PST

Bell Express VU and Star Choice -- West SUNTV Sun, Nov 2nd @ 6:00am PST

U.S. national: -- America One -- Sat, Nov 1st @ 10:30 am ET

See <http://www.marketwatch.com/news/story/BTV-Business-Television-Features-Nevada/story.aspx?guid={3E35BA4D-B95E-4D22-BB53-6A26062BA0FD}>, www.americaone.com, <http://www.b-tv.com/i/videos/ngpOct08.wmv>, and <http://www.b-tv.com/i/videos/JohnMcIlveenep199.wmv>.

Sierra Geothermal Power: Reese River Project Interest Requirements Complete

Press Release—October 30, [Sierra Geothermal Power Completes 100% Earn-In at Reese River](#)

Sierra Geothermal Power Corp. (SGP) (CA:SRA: news, chart, profile) received notice from Western Geothermal Partners, LLC that it has satisfied all requirements for a 100% interest in the Reese River geothermal power project in Lander County, Nevada. Under the terms of the exploration agreement, SGP was required to meet various thresholds of option payments and work program expenditures totaling US\$5,250,000. SGP has the option to buy out Western Geothermal's one percent (1%) gross royalty.

The Reese River Project was highlighted earlier in the year in a news release dated June 17, 2008, in which the results of an independent report by GeothermEx Inc. doubled the resource estimate to a 90% probability (confidence level) of generating at least 26 MW (net) for 20 years and a 50% probability that the reserve can support a plant of at least 58 MW. The most recent drill results from Reese River include 5 temperature gradient wells. The wells were drilled to depths between 488 meters (1,600 feet) and 1,500 meters (5,000 feet). Bottom-hole temperatures recorded were between 96 and 150 degrees Celsius (194 - 302 degrees Fahrenheit).

See <http://www.marketwatch.com/news/story/Sierra-Geothermal-Power-Completes-100/story.aspx?guid={F05B197D-0EB1-4571-B1B1-BE824E2CA86E}>.

Renewable and Climate Change News

NPR Article Says U.S. Can Benefit from Green Initiatives Despite Financial Crisis

Falling gas prices and a flailing economy could be threatening green energy projects; an NPR article asks, "What will it take to get corporations and consumers beyond this yo-yo effect and onto a permanent path toward renewable energy?"

"Conditions have to be just right — like for life on Earth — in order for the U.S. to stick to a plan of sustainability," the article claims. Jeff Wacker, corporate futurist for Texas-based Electronic Data Systems (EDS), concurs: "If the economy is broken and funds are tight, companies will not spend money on environmental improvements. If the economy is good with low energy prices, on the other hand, there is diminished demand for going green."

But on the flip side, there are benefits to going green even amidst a financial crisis. For one thing, the renewable sectors are creating plenty of new jobs. The wind, solar and geothermal industries "are growing by leaps and bounds" around the world, says Lester Brown of the Earth Policy Institute, a nonprofit Washington-based organization dedicated to a sustainable future.

There is also the continuing need to combat climate change. Reid Detchon, executive director for energy and climate at the United Nations Foundation says, "A carbon-constrained future is inescapable, unless we want to destroy the planet." He adds, "We must prepare the economy for it. We must create competitive advantage by creating innovative technologies that we know the rest of the world will need."

Another point is that there is pressure from other nations to see the U.S. continuing its efforts. The U.S. can benefit by taking a place in this world view, joining other countries who continue their efforts, and being an example to those who aren't.

For the complete article, visit <http://www.npr.org/templates/story/story.php?storyId=96185899>.

Global Geothermal Market Analysis Examines 2012 Forecast

Global Markets Direct has released their new report, "Global Geothermal Energy Market Analysis and Forecasts to 2012."

From marketwatch.com: "The report provides detailed analysis and forecasts of the geothermal power industry, analyzing and forecasting key metrics relating to the installed capacities, market structure and regulatory policies that govern the industry. It provides information relating to the important technological, market, and research and development (R and D) trends and analyzes the growth and development of energy derived from geothermal power on a global basis. Additionally, it analyses the cost-related aspects of the geothermal technology. The report also provides trends and analysis of investments in the geothermal power market as well as deal summary and news flow for the last 6 months. On an all, it helps an investor to gauge the market and technological development of the global geothermal market."

See <http://www.marketwatch.com/news/story/global-geothermal-energy-market-analysis/story.aspx?guid={1615542F-891C-431C-B6B6-CC8939BD790A}&dist=hppr> and http://www.researchandmarkets.com/research/c8f56b/global_geothermal.

U.N. Environment Program Focuses on Economic Energy Efficiency Benefits

The United Nations Environment Program (UNEP) has launched the Green Economy Initiative to improve economic growth, combat climate change, and increase job opportunities, according to unep.org. The initiative focuses on clean technologies and natural infrastructures — the UNEP believes the world's economy should be focused on energy efficiency and renewable energy technologies.

Achim Steiner, UN Under-Secretary General and UNEP Executive Director, spoke of the "financial, fuel, and food crises of 2008," but added, "The flip side of the coin is the enormous economic, social and environmental benefits likely to arise from combating climate change and re-investing in natural infrastructure - benefits ranging from new green jobs in clean tech and clean energy businesses up to ones in sustainable agriculture and conservation-based enterprises."

See the UNEP press release at <http://www.unep.org/Documents.Multilingual/Default.asp?DocumentID=548&ArticleID=5957&l=en>. Achim Steiner also participated in a question-and-answer session with Newsweek, see <http://www.newsweek.com/id/165808>.

40 International Cities Pledge Action on Climate Change

Leaders of 40 major cities worldwide met in Tokyo on October 23 to discuss plans to combat climate change, according to afp.google.com. The leaders agreed on a plan in which each city will choose which of 13 areas it wants to pursue to fight climate change. They agreed to research their chosen areas and decide on concrete action when C40 mayors hold a "climate summit" next May in Seoul.

"The focus of this conference was adaptation and particularly on measures that support adapting to climate change that is already occurring," Toronto Mayor David Miller, chairman of the C40 climate initiative of cities, told press.

See http://afp.google.com/article/ALeqM5gZZ10OCH3kNpBmma_xuDp3h7K-HQ.

EPA Amendment Would Change How Plants Measure Emissions

The Environmental Protection Agency is working on a plan that would weaken regulations for power plants, according to the *Miami Herald*. The change would let plants measure emissions hourly rather than yearly, thus increasing emissions without adding pollution controls. The Edison Electric Institute, which represents about 70% of the U.S. electric-power industry, supports changing the rule. It told the EPA improvements at plants allow them to produce more energy with less fuel, according to the article.

See <http://www.miamiherald.com/news/politics/AP/story/743915.html>.

Google Energy Plans Under Development

Google is making further strides into the energy business, according to the *New York Times*. “The big area that we are looking at is energy information Ed Lu, who works in advanced projects at Google, told press. He said they are working on tools to increase information to consumers. William E. Wehl, who works in green energy at Google, said his engineers are researching development in solar, wind, and geothermal energy technologies. According to the article, much of what is being planned is yet to be announced.

See <http://greeninc.blogs.nytimes.com/2008/10/28/googles-energy-ideas-might-emerge-under-open-source-licenses-or-not/>.

State News

Colorado: Nevada Trade Mission Discussions Move Geothermal Potential Forward

Colorado Eyes Nevada As An Example For Geothermal Development ~ Kara Slack, Colorado, for GEA

Colorado is ready to jumpstart geothermal energy and those in the state are eyeing Nevada as an example to help with future geothermal development. This past week about 30 individuals from a variety of sectors in Colorado made the trip to Reno for a Nevada Trade Mission.

It is no secret that Nevada is advanced in geothermal research, technologies, and development, making a trade mission to the state logical. Adding to this is that experts in Nevada are more than willing to share their ideas and knowledge with others.

Held October 21–22, the Nevada Trade Mission consisted of a variety of presentations from those in the geothermal industry, a tour of Ormat Technologies’ Steamboat Hills Power Complex, and great discussions about the potential of geothermal energy production in Colorado.

One aspect that came up during the mission was that in Nevada, geothermal is listed as a mineral right, but in Colorado it is a water right. This makes Colorado one of the few states that list geothermal in this way and for this reason the state will have to venture into some new territory in regards to this key difference.

Yet Colorado does have the upper hand in experience with oil and gas exploration. Nevada did not have much experience with this prior to its geothermal development, whereas Colorado can use its oil and gas background to its advantage.

In the end the trade mission was truly successful in that it initiated discussion with Nevada counterparts, promoted the exchange of ideas, and helped inform the attendees on a variety of geothermal topics. It seems as though Colorado is ready to move forward and put itself on the geothermal map.

Visit the Colorado Governor's Energy Office Web site at <http://www.colorado.gov/energy/index.asp> and the Nevada Division of Minerals Web site at <http://minerals.state.nv.us>.

Hawaii: Agreement Doubles State RPS by 2030

Hawaii has increased its renewable electricity standard to 40% by 2030, according to *Wind Energy Weekly*. The agreement between the state government and Hawaiian Electric doubles the current standard and follows months of work on the "Clean Energy Initiative" between the state and U.S. Department of Energy. It would include an undersea cable connecting Maui, Moloka'i, and Lāna'i into one electrical grid.

"This is a detailed plan to implement the Hawaii Clean Energy Initiative with sweeping changes that are needed to reduce our dependence on imported fossil fuel and to achieve a more secure energy and economic future," Hawaii Governor Linda Lingle (R) told press. "I feel strongly that the state and our major utility can and must continue finding common ground in moving forward and taking decisive and bold steps toward an energy-independent Hawaii."

See <http://www.awea.org/windenergyweekly/WEW1312.html#Article9>.

International News

Azores: Iceland Company to Conduct Exploratory Drilling

Iceland Drilling has signed an agreement to conduct experimental drilling in the Azores islands, according to icelandreview.com. CEO of Jarðboranir, of which Iceland Drilling is a subsidiary, Bent S. Einarsson said in a statement that the goal is for geothermal energy to cover 40% of the energy needs of two of the islands, Sao Miguel and Terceira.

See http://www.icelandreview.com/icelandreview/daily_news/?cat_id=40764&ew_0_a_id=314306.

Iceland: Bjork Offers Comments on Country's Crisis

Bjork, Iceland's biggest celebrity, has spoken up on her country's financial crisis, according to news.sky.com. "Let's use this economic crisis to become totally sustainable," she told press. "Teach the world all we know about geothermal power plants. Support the Icelandic seed companies. Support the grass roots. It may take longer to build and deliver profits but it is solid, stable and something that will stand independently of the rollercoaster rides of Wall Street and volatile aluminum prices."

Bjork's comments are available in full at http://news.sky.com/skynews/Home/Business/Bjork-Says-Iceland-Should-Be-More-Self-Sufficient-And-Reject-Domination-By-Foreign-Firms/Article/200810415130943?lpos=Business_First_Business_Feature_Teaser_Region_0&lid=ARTICLE_15130943_Bjork_Says_Iceland_Should_Be_More_Self-Sufficient_And_Reject_Domination_By_Foreign_Firms.

Iceland: Kaldara Green Energy Developing Small Container-Based Plants

Press Release—October 27, [Green Energy Made Feasible with Innovations in Geothermal Power Plants](#)

A green energy company based in Iceland has made recent advances in geothermal technology (<http://www.kaldara.com>) that will make it possible to phase out smog-producing coal plants with geothermal power plants.

Someday soon the earth will be cleaner, thanks to efforts and innovations by Kaldara Green Energy, a Norwegian/Icelandic manufacturer of geothermal electrical power production (<http://www.kaldara.com>)

equipment. According to output studies and specs on its latest KAPS ('Kaldara Power System') geothermal power plant (<http://www.kaldara.com>), its innovations in geothermal technology will make a good alternative to coal or natural gas.

KAPS are container based 5 MW geothermal power plants that can operate stand-alone and are also capable of working together in power farms. Because of small sizes KAPS can be more easily adopted to the environment than large power plant structures. KAPS on-surface units can be used for all types of Wet/Dry and Binary/Flash geothermal Systems. The KAPS concept is to place a miniature power house in standard sized containers next to the production boreholes. The containers could be placed hidden into hillside areas or placed underground to avoid offensive structures in the environment, in full reconciliation with environmental groups. Using KAPS could therefore extend the reach of environmentally friendly exploitation for electrical power production worldwide. With the KAPS approach, boreholes can be harnessed at an earlier stage or within weeks after drilling is completed, whereas the conventional approach requires borehole evaluation period of 3-5 years before power production. Thus the earlier income alone can in most cases pay majority of the KAPS investment. KAPS units can be organized in power farms of same capacity as large geothermal power plants and even larger.

Outstanding efficiency is only to be compared with 30–50 MW highly advanced conventional geothermal power plants. By advanced technology and size standardization KAPS compares in cost effectiveness per MW with the larger conventional geothermal power plants. Cost comparisons show an outstanding economic attractiveness for production from geothermal steam with prices much lower than for coal or natural gas.

"It is a common misunderstanding that power production is more expensive by using renewable energy instead of fossil fuel and Iceland has already proven the case for geothermal power production," says Skuli Johannsson Manager of Kaldara Green Energy and author of a published article on KAPS. "It is challenging in that this is a unique 'win-win' situation of having the lowest power generation cost available, also being the most environmentally friendly."

The KAPS technology lowers barriers of entry into the realm of geothermal power production, until now restricted by the number of production boreholes (10) necessary to make sufficient energy for an economical version of conventional geothermal power plants (30 MW). With modular and small-step approach of developing geothermal fields, boreholes can now be harnessed at an earlier stage to generate faster revenues. KAPS power plants are factory installed in containers. This flexible approach allows for reallocation in case of failing yield of boreholes.

Ireland: Natural Resources Conference to Discuss Geothermal Energy

A natural resources conference next week will discuss geothermal energy in Ireland, according to [advertiser.ie](http://www.advertiser.ie). Held in Kilkenny by the Geothermal Association of Ireland, the conference is called "Geothermal Resources in Ireland – Commercial Opportunities."

According to the article, the conference will include presentations from national government leaders, industry associations, commercial developers, academics, geologists, engineers, and presentations from banking and legal institutions. Minister for Communications, Energy and Natural Resources, Eamonn Ryan, will be the guest speaker.

Topics will include Geology/Hydrogeology issues in Ireland, the Newcastle Deep Borehole Project, contractual arrangements for operation of district heating schemes, the legal and banking issues relating to geothermal developments, case studies, and a report from the GTRH group, the article said.

See <http://www.advertiser.ie/kilkenny/article/3648>.

Netherlands: West Indies Power to Begin Drilling

West Indies Power (WIP) will begin drilling for geothermal energy in Saba at the end of November, according to *The Daily Herald*. The first production well should have a 50-MW capacity, with Saba's estimated potential at 250–300 MW.

WIP expects Saba to be producing geothermal power by 2010. The project will provide jobs to locals. Surplus will be exported to neighboring islands, the article said.

See <http://www.thedailyherald.com/news/daily/1141/sathermal141.html>.

Philippines: BacMan Geothermal Projects to Add 140 MW

The BacMan projects are expected to be completed in the next 5 years, according to businessmirror.com. The projects should add 140 MW of power at three sites — Rangay, Tanawom, and Kayabon. The expansion will cut power costs, the article said.

See http://businessmirror.com.ph/index.php?option=com_content&view=article&id=1140:p30-b-geothermal-plant-expansion-to-cut-power-cost-in-bicol&catid=33:economy.

Notices and Employment Opportunities

Environmental Hall of Fame to Honor GEA

Next month, the Environmental Hall of Fame will honor the Geothermal Energy Association. Karl Gawell, GEA's executive director, will appear in Chicago to accept the award. See details under **Upcoming Events**, this issue.

DOE Announces Open Geothermal Technologies Funding Opportunity

From DOE's Web site:

GTP has issued a Funding Opportunity Announcement (FOA) for up to \$5 million over five years. This work will create and maintain a web-based National Geothermal Database that will help to overcome barriers to the development of conventional and Enhanced Geothermal Systems.

Initial estimated total funding for this award is listed at \$1,300,000 in FY2009; with additional anticipated funds of \$3,700,000 in years FY2010 through FY2013, subject to the availability of Congressional appropriations. DOE anticipates making one award under this announcement.

Geothermal energy has the potential to emerge as a capable alternative to conventional energy resources due to its renewable baseload capabilities, little to no carbon emissions, and affordability relative to other alternative energy technologies. In early 2008, GTP initiated the Geothermal Risk Mitigation Strategies Report ([PDF 778 KB](#)) to analyze the risks involved with geothermal energy development.

The report proposed strategies to overcome barriers to development and to enable additional investment in conventional and enhanced geothermal systems. As a result of this study, GTP is initiating an effort to create the National Geothermal Database to serve as a central repository for all publically accessible geothermal data.

Creating, maintaining, and operation this database is the subject of this FOA, titled National Geothermal Database and you can find further on and requirements for responding to this Geothermal FOA DE-PS36-08GO98020 as part of the DOE [Industry Interactive Procurement System](#).

You can also access and download the complete Announcement DE-PS36-08GO98020 ([PDF 102 KB](#)).

U.S. EPA Calls for Climate Choice Nominations (December 1)

The Climate Protection Partnerships Division of the U.S. Environmental Protection Agency (EPA) invites technology nominations for the Climate Choice recognition. Climate Choice is a voluntary partnership program that recognizes emerging and advanced technologies with the potential to significantly reduce greenhouse gas emissions.

To be considered for Climate Choice recognition, technologies must meet the following criteria:

- Commercially available, but not widely adopted
- Offered by more than one company
- Demonstrated environmental performance
- Likely to significantly reduce greenhouse gases at competitive costs
- Does not unduly increase other forms of pollution in order to reduce greenhouse gas emissions
- The technology is adequately financed and suppliers have an established business record

For further information, visit: www.epa.gov/cppd/climatechoice or contact Kristen Taddonio: 1 (202) 343-9234, Taddonio.Kristen@epa.gov

Employment: 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

Employment: 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 website 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.

Employment: Sales Manager, Ormat Technologies

Ormat Technologies has an immediate opening for a full time Sales Manager located in our Reno, NV. The ideal candidate will 10+ years in related Sales experience in the energy/renewables industry.

Position Title: Manager of Sales, Geothermal Development; Department: Business Development; Location: Corporate Office Reno, NV; Reports to: Director, Geothermal Development; Position Summary: The Manager of Sales, Geothermal Business Development, will be responsible for the sales and marketing of renewable energy products. The selected candidate will help lead the commercialization and sales efforts for Ormat's latest geothermal supply of geothermal plant equipment, electrical power generation projects, as well as the supply of engineering and construction services for 3rd Party power projects.

Essential Functions: Develop detailed sales and marketing strategies to grow sales within the power generation industry; Conduct market segmentation research, identify lead databases and determine sales channels to establish customer opportunities and spearhead direct sales efforts; Manage customer relationship from initial feasibility trials through to field deployment.

Other Responsibilities: Work flexibly within a dynamic, multidisciplinary team.

Education, Experience and Skills Required: Minimum of 10 years experience in a similar position; Bachelor's degree in Marketing or related field or equivalent experience and/or technical qualifications relevant to the geothermal applications, as well as Engineering and Construction; Experience in marketing or application engineering; Experience working directly with customers in a sales organization with strong communication and interpersonal skills.

Physical Requirements: Must be able to travel regularly

To apply for the position please send a resume to Chris@redfishtech.com.

Employment: Engineer V, Geothermal Experience Preferred, Northern California Power Agency

Performs engineering tasks relating to plant reliability/ performance efficiency, primary technical resource for CMMS, supervises implementation of system/equipment repairs/upgrades, PM for plant efficiency upgrade/retrofit projects, construction mgr for public works projects, supervises plant chemical lab & environ, health/safety staff. First 4–6 months, position assigned to NCPA HQ office/Roseville, then GEO Plant, Middletown, CA thereafter. During initial period in Roseville, temp housing provided if required.

Requires BA in electrical/mechanical engineering; MA preferred; and min 10 yrs exp plant/production engineering, preferably within geothermal industry; 2 yrs experience plant reliability/ maintenance engineering & 2 yrs mgmt. exp preferred. Requires knowledge/experience in industry codes/standards; CMMS, Root Cause Failure Analysis, Reliability Centered Condition Based/Mntc, CBM equip; steam turbine plant monitoring & power plant electrical sys; writing, analyzing/interpreting scientific/tech info.; making presentations and some travel in CA. Starting salary: \$96 to \$121K plus exc employer benefits inc CalPERS retirement/medical.

Application at www.ncpa.com, submit to NCPA HR, 651 Commerce Dr., Roseville, CA 95678. Open until filled.

Requests for Proposals (RFPs)

RFP for Transit GHG Strategies, U.S. Department of Transportation (November 3)

The U.S. Department of Transportation requests proposals for the Transit Greenhouse Gas (GHG) Emissions Management Compendium. Through this initiative, DOT seeks a compendium of strategies for transit agencies to reduce the GHG intensity of their services. The compendium will serve as a central information point, as well as a useful handbook to transit managers in planning and decision-making. \$175K expected to be available, 1 award anticipated.

Responses due 11/3/08. For more info, contact Jarrett Stoltzfus at Jarrett.Stoltzfus@dot.gov or go to: http://www.fta.dot.gov/funding/grants_financing_7829.html. Refer to Sol# D2008-GHG-TRI. (Grants.gov 9/16/08)

RFP for Small Business Innovation Research and Small Business Technology Transfer, DOE (November 20)

The U.S. Department of Energy requests proposals for Phase I of the Small Business Innovation Research (SBIR) and the Small Business Technology Transfer (STTR) programs. SBIR/STTR seeks to increase private sector commercialization of technology developed through DOE supported R&D, stimulate technological innovation in the private sector, and improve the return on investment from Federally-funded research for economic and social benefits to the nation. Areas of interest include, but are not limited to: Advanced battery electrode development, advanced materials and technologies for cooling and waste heat recovery, energy efficient membranes, technologies related to energy storage for hybrid and plug-in hybrid electric vehicles, energy savings technologies for commodity manufacturing industries, production of biofuels from biomass, advanced water power technology development, wind energy technology development, geothermal technologies, hydrogen, fuel cells, and infrastructure technologies, solar energy, improved motor designs and power electronics, advancements for hybrid and plug-in hybrid electric vehicles, and climate control technology for fossil energy applications. The complete list of topics is posted at: http://www.science.doe.gov/sbir/solicitations/FY%202009/C27_topics.pdf. \$36 million expected to be available, up to 360 awards anticipated.

Responses due 11/20/08. For more info, contact Carl Hebron at sbir-sttr@science.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/9648EC9FBF2AAE36852574C70063CD09?OpenDocument>. Refer to Sol# DE-PS02-08ER08-34. (Grants.gov 9/17/08)

RFP for Environmental Info Exchange, U.S. EPA (November 21)

The U.S. Environmental Protection Agency requests proposals for the Exchange Network Grant Program. The Network is an Internet and standards-based, secure information network that facilitates the electronic sharing, integration, analysis, reporting, and use of environmental data from many different sources. This program provides support to organizations to develop the information technology and information management capabilities needed to actively participate in the Exchange Network. \$11 million expected to be available, up to 50 awards anticipated.

Responses due 11/21/08. For more info, contact Edward Mixon at mixon.edward@epa.gov or go to: <http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=42875>. Refer to Sol# EPA-OEI-09-01. (Grants.gov 9/17/08)

RFO for Carbon Offsets, Sacramento Municipal Utility District (mid-December)

From News Release—October 17, [SMUD Releases Request for Offers for Carbon Offsets](#)

The Sacramento Municipal Utility District (SMUD) released a Request for Offers (RFO) for 45,000 tonnes of carbon offsets to be delivered annually beginning in 2010. Proposals will be due mid- December 2008. The carbon offsets will be used to meet customer demand for SMUD's voluntary carbon offset program.

Projects which meet the rigorous standards of the California Climate Action Registry (CCAR) offset protocols will be given first preference. Local projects will be given preference in the project scoring as compared to projects which are located outside the Sacramento region. Projects constructed outside the state of California will not be evaluated in this RFO.

The October 2008 RFO is soliciting offers for carbon offset projects preferably developed according to one of the CCAR-approved protocols which include: dairy manure digesters, landfill gas, forestry and urban forestry, and protocols under development: natural habitat restoration, truck stop electrification, food and woodwaste diversions from landfills, energy efficiency retrofits, new cogeneration, bus fleet upgrades, bus rapid transit lanes and related mode shifting, and N₂O reduction in acid plants.

SMUD will host a Bidders Conference and Carbon Offset Project Development Workshop at SMUD on November 3, 2008 from 9 a.m. to 2 p.m. The Bidders Conference will cover information and questions on submitting proposals to this RFO. The Carbon Offset Project Development Workshop will follow the Bidders Conference at 10 a.m., and will cover the fundamentals of carbon offset project development including accounting protocols, verification and offset registries.

Interested parties can download the RFO documents from SMUD's Electronic Bid Solicitation System (EBSS) Web site at www.bids.smud.org. Registration to the EBSS site is required to access the documents. Registered individuals will also receive updated information regarding this RFO and will also receive notification of future solicitations for purchase of renewable energy resources. For additional information contact: Obadiah Bartholomy, 916-732-6835, obartho@smud.org.

See the entire SMUD news release at http://www.smud.org/en/news/Documents/08archive/10-17-08_carbon_offsets_RFO.pdf.

Request for Renewable Energy, Massachusetts (December 1)

Taunton Municipal Lighting Plant seeks up to 260,000MWh per year of energy and dependable capacity starting in the calendar year 2009 from eligible renewable resources to meet the Massachusetts RPS requirements. Responses due 12/1/08.

For more info, contact Scott Whittemore at Renewables@TMLP.com or go to <http://personal.tmlp.com/tmlpesp/RFP08-01-renewable-resource/>. (Green Power Network 7/28/08)

RFP for Climate Change and Sustainability Conferences, EPA (December 9)

The U.S. Environmental Protection Agency has issued a Broad Agency Announcement for Conferences, Workshops, and/or Meetings. EPA seeks applicants for the planning, arranging, administering and/or conducting of conferences and workshops in areas including, but not limited to: Economics and sustainability; air and global climate change; and technology. \$500K expected to be available, up to 15 awards anticipated. Proposals due 12/9/08.

For more information, contact Bernice Smith at smith.bernicel@epa.gov or go to http://es.epa.gov/ncer/rfa/2008/2008_baa.html. Refer to Sol# EPA-C2008-BAA. (Grants.gov 12/6/07)

RFP for Environmental Fellowships for Undergraduate, U.S. EPA (December 11)

The U.S. Environmental Protection Agency requests proposals for Greater Research Opportunities. GRO provides undergraduate fellowships in environmental fields of study. Areas of interest include, but are not limited to: Green Building Engineering, Environmental Engineering, and Urban and Land Use Planning. \$930K expected to be available, up to 20 awards anticipated.

Responses due 12/11/08. For more info, contact Georgette Boddie at boddie.georgette@epa.gov or go to: http://es.epa.gov/ncer/rfa/2009/2009_gro_undergrad.html. Refer to EPA-F2008U-GRO-(P1-Q2). (Grants.gov 9/5/08)

RFP for Student Design Competition for Sustainability, U.S. EPA (December 23)

The U.S. Environmental Protection Agency requests proposals for the 6th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet. This program supports science-based designs developed by interdisciplinary student teams that benefit people by improving their quality of life, promote prosperity by developing local economies, and protect the planet by conserving resources and minimizing pollution. P3 seeks to respond to the technical needs of the world while moving towards the goal of sustainability. Areas of interest include: Agriculture, Materials and Chemicals, Energy, Information Technology, Water, and the Built Environment. \$950K expected to be available, up to 50 awards anticipated.

Responses due 12/23/08. For more info, contact Cynthia Nolt-Helms at nolt-helms.cynthia@epa.gov or go to: http://es.epa.gov/ncer/rfa/2009/2009_p3.html. Refer to Sol# EPA-G2009-P3-Q(1-6). (Grants.gov 9/23/08)

RFP for Small Business Technology Transfer, National Science Foundation (February 25)

The National Science Foundation requests proposals for the Small Business Technology Transfer Program (STTR). STTR seeks to stimulate technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal R&D needs, increasing the commercial application of

federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. Areas of interest include: Materials for Sustainability, Bio-inspired Materials and Systems, Smart Materials and Structures, and Nanostructured Materials. \$5 million expected to be available, up to 35 awards anticipated. Letters of Intent are required and are due 1/14/09, final proposals due 2/25/09.

For more info, contact Cheryl Albus at calbus@nsf.gov or go to:

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08608. Refer to Sol# 08-608. (Grants.gov 9/22/08)

RFP for Energy Efficiency, Renewable Energy, and Transmission Technologies, DOE (February 26)

This solicitation announcement (DE-PS01-08LG00001) invites the submission of applications for loan guarantees under Title XVII of the Energy Policy Act of 2005, 22 U.S.C. 16511-16514 (“Title XVII”), from the U.S. Department of Energy in support of debt financing for projects in the U.S. that employ energy efficiency, renewable energy, and advanced transmission and distribution technologies that constitute New or Significantly Improved Technologies. Copies of related regulations may be found at <http://www.lgprogram.energy.gov/>.

DOE is actively promoting projects that fall within the following three general but distinct project type categories: (1) manufacturing projects, (2) stand-alone projects, and (3) large-scale integration projects that may combine multiple eligible renewable energy, energy efficiency and transmission technologies in accordance with a staged development scheme.

The applicant is requested to specify which, if any, of the following project types and technology categories most accurately represents its project: (1) Alternative Fuel Vehicles, (2) Biomass, (3) Efficient Electricity Transmission, Distribution and Storage, (4) Energy Efficient Building Technologies and Applications, (5) Geothermal, (6) Hydrogen and Fuel Cell Technologies, (7) Energy Efficiency Projects, (8) Solar, and (9) Wind and Hydropower.

With questions, email the LGPO at lgprogram@hq.doe.gov. Please include in the subject line “RETDEE Solicitation Question.” Completed applications due February 26, 2009 Full announcement can be found at <http://www.lgprogram.energy.gov/keydocs.html>.

Upcoming Events

Featured Event: Ribbon Cutting Ceremony, Raser Technologies, Thermo Power Plant, November 6 (Beaver County, UT)

Raser Technologies, Inc. (NYSE Arca:RZ) announced today that it will hold a ribbon cutting ceremony to mark the completion of the first commercial geothermal power plant to be built in Utah in more than 20 years. Senator Orrin Hatch, along with other national, state and county government officials, has accepted Raser’s invitation to participate in the ribbon cutting ceremony and press conference. The event is scheduled for November 6, 2008, at the Thermo power plant project site in Beaver County at 3:00 p.m. local time. See story under **Company News**.

Visit <http://www.rasertech.com>.

International Geothermal Conference, November 7 (Nevis Island)

The Nevis Island Administration will host an International Geothermal Conference at the Four Seasons Resort on November 7, 2008. The theme is “Nevis Taking Leadership in Renewable Energy Development in the OECS” and is designed for anyone with interest in renewable energy systems, including policymakers, regulators, environmental consultants, property developers, and contractors.

Topics: Challenges and Solutions for the Energy Sector and Renewable Energy, The Legal Framework for Renewable and Geothermal Development in The OECS (The Nevis Case), Geothermal Development in Iceland and Geothermal Exploration and Development (The Nevis Model)

To register for the Conference, persons may contact Permanent Secretary, Mr. Ernie Stapleton, via email at planningministry@yahoo.com or by telephone at 869-469-5521 ext 2176.

NZ Geothermal Workshop & NZGA Seminar 2008, November 11–13 (Taupo, New Zealand)

The NZ Geothermal Workshop will be held November 11–12 and the New Zealand Geothermal Association Seminar 2008 will be held on November 13. Both events will take place at the Great Lake Centre in Taupo, New Zealand. The events mark the 30th anniversary of the Geothermal Workshop, which is New Zealand’s longest running energy conference. This year’s workshop will celebrate New Zealand’s people and past achievements as well as the exciting future of geothermal energy use around the world. Particular focus will be on New Zealand's contributions to the research, education, and development of geothermal energy.

NZ Geothermal is calling for papers related to the history of achievement and the future potential of geothermal energy as well as paper on all aspects on Wairakei. The paper deadline is August 25 and must be submitted via email to geothermal08@auckland.ac.nz.

Workshop registration began June 1 and online registration will continue until November 4. Discounted rates will be available until early registration closes on October 12. For more information or to register, please visit <http://www.nzgeothermal08.com/nzgeothermal/index.cfm>.

XVI Annual Congress of the Mexican Geothermal Association, November 14 (Morelia, Mexico)

The XVI Annual Congress of the Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana) will take place in the city of Morelia, Mexico, on November 14. The AGM is calling for papers related to geothermics. Please send abstracts to Luis Gutiérrez-Negrín (luis.gutierrez@geotermia.org.mx) before July 25. Ten to twelve papers will be selected for oral presentation during the congress. Papers and presentations can be in Spanish or English.

The AGM is the Mexican association affiliated to the International Geothermal Association (IGA) It holds an annual technical congress and a general assembly, restricted to its membership, usually in a city of Mexico related to geothermics. The events are cosponsored by the geothermal division of the Comisión Federal de Electricidad, whose headquarters is in Morelia.

For more information, please visit the AGM Web site (<http://www.geotermia.org.mx>), and/or send a message to Luis Gutiérrez-Negrín.

Geothermal Finance & Investment Summit, November 17–19 (Palm Springs, CA)

A Geothermal Finance & Investment Summit will be held November 17–19 in Palm Springs, California. Developers, investors, lenders, power purchasers, technology experts, legal teams and others involved in geothermal projects are scheduled to participate. Ed Wall, Program Manager of the Geothermal Technologies Program Office at the Department of Energy will be the keynote speaker. More information is available at <http://www.infocastinc.com/index.php/conference/geothermal>.

National Environmental Hall of Fame Inductions, November 20–22 (Chicago, IL)

GEA will be honored next month by the National Environmental Hall of Fame. From their Web site:

The Environmental Hall of Fame will induct over 36 honorees into the National, Illinois and Chicago Environmental Halls of Fame at Hotel Allegro Chicago on November 20-22 during its second awards ceremony. The Hotel Allegro, (171 W. Randolph) across from City Hall, has been rated the greenest hotel in Chicago.

The award recipients will share their vision of how the United States can be transformed into a self-sufficient and prosperous renewable energy economy. The mission of the Environmental Hall of Fame is to help recognize and implement solutions of top Environmentalists in order to help reduce global warming, energy costs, pollution and help increase energy independence. Environmental activists Pierce Brosnan and Keely Shaye Brosnan will be honored at the ceremony.

For more information and a list of nominees, visit

http://environmentalfame.com/index.php?option=com_frontpage&Itemid=1.

New Date — Utah Geothermal Lease Sale, BLM, Rescheduled for December 19

The Utah State Office has scheduled a proposed competitive geothermal lease sale on December 19, 2008.

Relevant announcements and forms can be found at

<http://www.blm.gov/ut/st/en/prog/energy/geothermal0.html>.

If you have questions regarding this notice, please call Judy Nordstrom at 801-539-4108; facsimile at 801-539-4200; write to attention at the address on this letterhead; or send electronic mail to judy_nordstrom@blm.gov.

2nd African Rift Geothermal Conference, November 25–29 (Entebbe, Uganda)

The second International Geothermal Conference on the African Rift will be held in Entebbe, Uganda. The conference is designed as a forum for the exchange of information on the African Rift Geothermal Resources and for discussion of the current state of scientific knowledge and understanding of all aspects of exploration and development of geothermal resources, including exploration, field and conversion technology, design and construction, environmental considerations, financial, marketing, and operational aspects.

The Scientific Program of the conference consists of Plenary Lectures, Poster presentations, Workshop and Field Trips. The following will be the themes for oral and poster sessions: (1) Exploration: Geology, Geophysics, Geochemistry, and Hydrology, (2) Drilling and well design: Shallow and deep, Production and Injection, (3) Field development, Production Technology, Power generation & Operation, (4) Reservoir Engineering: Well Testing, Injection, and Modeling, (5) Case Histories, (6) Economics and Financing, (7) Environmental, Social, Legal and Institutional Aspects, and (8) Direct Use: Agri- and aquaculture, Mineral extraction, Manufacturing, Air conditioning.

For more information and to register, contact Department of Geological Survey and Mines, Plot 21–29, Johnstone Road, P.O Box 9, Entebbe, Uganda. Phone: +256 712 812231, +256 712 835843, +256 773 129941. Fax: +256 414 320364. E-mail: argeoC2@minerals.go.ug or bahati@minerals.go.ug.

34th Stanford Geothermal Workshop, February 9-11, 2009 (Stanford, CA)

This workshop will bring together Engineers, Scientists and Managers involved in geothermal reservoir studies and developments; provide a forum for the exchange of ideas on the exploration, development and use of geothermal resources; and enable prompt and open reporting of progress.

Papers will be presented on recent research relating to geothermal reservoirs including:

- * Case Studies: reservoir response to production, effects of injection, scaling characteristics
- * Enhanced Geothermal Systems (EGS): current and future activities
- * Engineering Techniques: reservoir simulation, empirical methods, well tests, tracers
- * Field Management: strategies for exploitation, injection, scale inhibition
- * Exploration: geophysics, geochemistry, geology, heat flow studies, outflows
- * Drilling and Well Bore Flows: well stimulation, bore flow modeling, hydro-fracturing, scaling
- * Low Enthalpy Systems: applications of heat pumps, hot dry rock technology
- * Geosciences: application of geophysics, geochemistry, thermodynamics and fluid mechanics.

For more information such as abstract submission, last year's workshop format, and more, visit <http://pangea.stanford.edu/ERE/research/geoth/conference/workshop.html>.

Featured Event: Renewable Energy World Conference and Expo North America 2009, March 10–12, 2009 (Las Vegas, NV)

North America's Premier Renewable Energy Conference & Expo Is Now in its 6th Year!

The Renewable Energy World Conference & Expo North America (formerly POWER-GEN Renewable Energy & Fuels) has a proven track record—now in its 6th year— as renewable energy's leading conference. It offers a worldwide audience who will hear papers, panel discussions and presentations during technical sessions related to technology, markets, business strategies and policy covering the wind, solar, biomass, hydro, geothermal, ocean/tidal/wave, bio-power, bio-fuels hydrogen and energy sectors. There has never been a better time to be a part of the exciting, ever-growing world of renewable energy!

Connecting 5,000 renewable energy power professionals with 300 exhibitors for three days of networking, new business negotiation, and the exchange of important ideas and information impacting the renewable energy industry today.

REenergize with new technologies, new companies, new strategies and new views!

The Geothermal Energy Association will be cosponsoring this event, with panels on geothermal energy soon to come. For more information and to register, visit <http://rewna09.events.pennnet.com/fl/>.

Canadian Geothermal Energy Association Conference and AGM, April 16–17, 2009, (Vancouver, B.C.)

Canadian Geothermal Energy Association Workshop, Conference and AGM, April 15–17, 2009, (Vancouver, BC)

The Canadian Geothermal Energy Association (CanGEA) announces their Workshop, Tradeshow, Conference and AGM on April 15–17, 2009 in Vancouver, BC.

CanGEA also announces that its 2009 membership drive has begun. CanGEA welcomes all members interested in advancing the development of Canada's vast resources. In addition, members receive premium benefits on one of the world's most popular geothermal websites.

Visit the Web site for information: <http://www.cangea.ca/>.



GEA Update

A newsletter for GEA Members 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