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National News

Geothermal Energy Growth Surge Continues, New Industry Survey Reports

A survey released by the Geothermal Energy Association (GEA) identifies a growing number of new geothermal power projects in states across the country. These projects, when developed, would provide up to 3,368 MW of new electric power capacity for the grid, more than doubling US geothermal power capacity from 2,936 MW to almost 6,304 MW – enough to meet the needs of 6 million households. New projects are underway in Alaska, Arizona, California, Hawaii, Idaho, New Mexico, Nevada, Oregon, Texas, Utah, Washington and Wyoming.

“The surge in new geothermal power development continues in the US,” said Karl Gawell, GEA’s Executive Director. According to the new GEA report, 86 new geothermal power projects were underway in 12 states as of January 2008. This is an increase of 35 projects in an additional three states compared to a survey completed just about one year earlier (November 2006).

Development of these new projects will provide significant economic benefits, according to GEA. “New projects will result in the infusion of \$11 billion in capital investment in the western states, and create 5,600 permanent jobs and over 21,000 person-years of construction and manufacturing employment,” Gawell stated. “New projects will offset 25 million metric tons of carbon dioxide compared to coal-fired power plants, which is equivalent to removing over 5 million cars off the road,” he added.

The survey will be presented at a GEA Workshop Wednesday, January 16th at Bally’s Casino and Resort in Las Vegas, Nevada.

“New federal and state initiatives to promote geothermal energy are paying off,” commented Gawell. “State renewable standards coupled with the federal production tax credit are creating a renaissance in US geothermal power production,” he added.

But, the federal production tax credit is about to expire at the end of 2008. In December the Senate failed by one vote to keep a multi-year extension of the renewable tax credits in the energy bill. According to the industry, it is now facing a serious dilemma.

“If we can build and sustain this momentum, geothermal energy can become a major US energy source,” according to Gawell. “But, Congress and the Administration must work together to extend the renewable

energy tax credits before they expire. Without an extended credit, the resulting tax hike will undercut one of the fastest growing segments of the US economy – renewable energy,” he warned.

The January 2008 results by state are: (State: Number of Geothermal Projects/Megawatts) Alaska: 3/33-80 MW; Arizona: 2/2-20 MW; California: 18/683.2-1133.2 MW; Hawaii: 2/30 MW; Idaho: 5/251-326 MW; Nevada: 40/1046-1321 MW; New Mexico: 2/21MW; Oregon: 7/128.4-213.4 MW; Texas: Lease Sale Completed; Utah: 4/191.6-224 MW; Washington: 2/unspecified; Wyoming: 1/0.2 MW. Total: 86 geothermal projects; 2386.4-3368.8 MW.

The full text of the *Geothermal Production and Development Update January 16 2008* is being made available on the GEA web site at: <http://www.geo-energy.org/> on January 16, 2008.

Nevada Paper Highlights Geothermal Workshop

A recent article discusses GEA’s upcoming January 16 financial workshop. The article highlights some of the speakers, including Lisa Shevenell, PhD, a research professor with the Nevada Bureau of Mines and Geology at UNR and director of Great Basin Center for Geothermal Energy, who will speak at the workshop about Nevada’s significant geothermal resource potential. GEA will also unveil an update about geothermal power development throughout the country. *Reported by Chico Community Publishing.*

Cleantech: New Technology to Boost Geothermal Industry?

Cleantech recently reported on GEA’s Surface Technology report. The article begins, “...geothermal still has a ways to go in North America, though a report out today said new technology could help increase the use of the renewable energy resource in the U.S. Modular components and the use of hybrid cooling are just two advances that have the potential for significant cost savings for geothermal companies, according to the Geothermal Energy Association. Part one of the report, released in November, focused on subsurface technology and said most hydrothermal resources in the States have been found through surface manifestations such as hot springs.” The article mentions some of the technologies covered in the report, including mineral recovery from water and less expensive coatings for components, both of which can offer reduced scaling of the pipes in the system, as well as the use of mixed fluids.

The article goes on to discuss the significant potential for future geothermal development. Finally, Clean Tech notes the leadership role that Iceland, particularly the company Glitnir bank, is taking to bring more geothermal energy online in the states. *For more information, please visit <http://media.cleantech.com/2260/new-technology-to-boost-geothermal-industry>.*

Geothermal: Large Project or Small?

A recent blog posted on *Energy Washington* discusses GEA’s new *Surface Technology Report*, particularly the section related to the appropriate size for a geothermal plant. The article reproduces the report’s executive summary, which summarizes reasons developers may choose a large plant:

- Cost decreases when larger quantities of materials, including steel, concrete, oil, and fuel, are purchased at one time.
- High transmission costs, regardless of plant size, that can include land use and rights-of-way fees.
- Though some automated facilities require few personnel, a minimum number of people are typically required to run a geothermal power plant.

Factors that favor the development of smaller geothermal plants include:

- Developers may opt to start small and increase output as they come to understand the potential of the resource through continued use.
- Smaller plants require less time to permit.

- The production tax credit (PTC) induces developers to construct smaller plants that can qualify for the short timeframe of the PTC.
- A developer's power purchase agreement may require that he start with a small output and gradually increase production.

The article concludes with mention of the DOE Geothermal Technologies Program, which is described in the report as important to the geothermal industry. *This article was featured in Energy Washington.*

Chair of Energy and Water Subcommittee Supports Geothermal Energy

Representative Visclosky of Indiana, who holds the position as chair of the Energy and Water Subcommittee, told his constituents in a recent meeting that he has been working to increase federal funding for vehicle technology research, biofuel research, and solar, wind, and geothermal research, as part of the effort to move the U.S. away "from a carbon-based economy," according to a recent article in one of his regional newspapers. Visclosky's support for renewables, including geothermal energy, is important given his powerful position as Energy and Water Chair. *For more information, please visit http://www.chestertontribune.com/Northwest%20Indiana/1116%20visclosky_praises_south_shore_ex.htm.*

Greener Alternatives to Sunrise Powerlink Challenge Project

A draft environmental impact report released on the \$1.3-billion Sunrise Powerlink transmission line argues that either San Diego generation or alternative routes would be "environmentally superior" to Sunrise, a recent *Energy Prospects* article reports. The 7,000-page draft EIR, released earlier this month by the California Public Utilities Commission and the U.S. Bureau of Land Management, analyzes more than 100 alternatives to Sunrise. It devotes 300 pages to the risks posed by wildfires, which last year shut down a portion of the Southwest Powerlink. According to the draft report, three alternative routes rated environmentally superior to Sunrise, including a southern route that parallels the Southwest Powerlink, partial undergrounding of Sunrise line segments and transmission from the Lake Elsinore Advanced Pumped Storage (LEAPS) project. The LEAPS transmission-only alternative was found "to be the overall environmentally superior transmission line route alternative due to its substantially shorter length and reduced environmental impacts," the report stated. New in-basin generation would also be environmentally superior to Sunrise and, like LEAPS transmission, would be capable of bringing 1,000 MW to the San Diego area—about the same amount as Sunrise, the EIR noted.

SDG&E spokeswoman Jennifer Briscoe, however, stressed that the EIR is only a draft document that is "purely informational." Briscoe maintained that Sunrise "remains the most cost-effective option to cleaner energy use and lower greenhouse gases in the region."

The release of the draft EIR kicks off a 90-day public comment period and eight public hearings. A final EIR is expected in June 2008, following evidentiary hearings. *For more information, please visit http://www.energyprospects.com/cgi-bin/package_display.pl?packageID=2471.*

BLM Receives Applications for Transmission Lines

Developers of two \$2-billion transmission projects filed applications with the U.S. Bureau of Land Management in Wyoming in mid-December. TransWest Express, a 3,000-MW direct-current line, would start in central Wyoming and run southward, possibly to the Las Vegas area, where the energy could be distributed to power companies in Arizona. The developers are the Wyoming Infrastructure Authority, Arizona Public Service, PacifiCorp and National Grid. They decided to develop the transmission lines jointly because the lines would follow similar routes for a long distance, *Energy Prospects* recently reported. A regional stakeholders' meeting will be Jan. 23 in Henderson, Nev., to outline the projects. *For more information, please visit http://www.energyprospects.com/cgi-bin/package_display.pl?packageID=2476.*

Northern California-to-BC Transmission Line Moving Forward

California has moved closer to tapping into renewable-energy markets in British Columbia and the Pacific Northwest to help meet the state's renewable-energy portfolio standard, a recent *Energy Prospects* article reported. This month, PG&E asked the Federal Energy Regulatory Commission for an additional adder of 150 basis points on its return on equity to cover the capital costs for building a transmission line connecting California to renewable-energy projects in British Columbia and the Pacific Northwest. The "Canadian/Pacific Northwest -- Northern California Transmission Line" would stretch from the Tesla/Tracy substation in northern California through central Oregon, into eastern Washington and onto the Selkirk substation in British Columbia, according to a technical analysis committee report on the project, filed with Western Electricity Coordinating Council on Nov. 1. The 500-kV line, known as the Hybrid Alternative, would carry 3,000 MW and would access an estimated 1,600 to 3,000 MW of renewable energy projects. *For more information, please visit http://www.energyprospects.com/cgi-bin/package_display.pl?packageID=2467.*

Company News

Encore Energy Systems to Provide Grey Water Geothermal Utility to Australia Wastewater Treatment Plants

Encore Energy Systems, Inc., a diversified energy company with a focus on geothermal heat pumps, recently announced plans to make their patented grey water geothermal solutions available to the wastewater treatment industry "Down Under." According to the company, wastewater treatment plants (WWTP) are expanding to meet demand the world over, and grey water reuse is becoming a major player in the renewable energy sector.

Brian Mello, Sr. VP of Encore Energy Systems said, "Being a WWTP engineer can be a thankless job. People take water for granted. Water resources are finite, so reuse comes into play, but it doesn't come cheap, the processing is expensive, utility costs from operations are rising sharply, all the while there is increasing pressure to satisfy environmental issues facing these municipalities. However, their efforts have a surprising environmental benefit, geothermal heating and cooling. We have the ability to eliminate the heating and cooling costs from plant operations through our patented grey water geothermal heat exchangers. In addition, as pressurized grey water lines are installed in cities, businesses may tap this resource for their own HVAC requirements. We extract the thermal properties from the water and return it to the line, where it may be reused again. WWTP's may recover water processing costs by charging for the use of this resource, providing a welcomed recurring revenue source to aid in recouping operational costs."

The Company owns the patents for the use of grey-water, and domestic water in heat exchanger systems. They also provide all forms of conventional geothermal heat exchange systems. *For more information, please visit <http://www.encoreenergyinc.com/>.*

Nevada Geothermal Power Announces Approval of Environmental Assessment for Blue Mountain

Nevada Geothermal Power Inc. (NGP) (TSX VENTURE: NGP)(OTCBB: NGLPF) announced today that NGP has received approval from United States Department of the Interior, Bureau of Land Management (BLM) for its Operations Plan and Utilization Plan for the Blue Mountain Geothermal Project. Approval is for lands located within the Blue Mountain Geothermal Unit Agreement area (which includes federal and private leases) and the rights-of-way for the electrical transmission line and power switching station.

Based on the environmental analysis and Finding of No Significant Impact (FONSI), NGP is allowed to proceed with geothermal development operations. Work includes the construction of new well pads, access roads and temporary water wells for the purpose of drilling geothermal production wells and installation of

production, re-injection, and fresh water pipelines in support of development facilities to operate a geothermal power plant.

"The 'FONSI' for our planned operations in the development of the Blue Mountain Power Project represents the culmination of 18 months of collaborative work with the BLM. Extensive environmental and cultural studies were completed and public input was obtained. The EA approval represents a major step towards the completion of the Faulkner 1 geothermal power plant, clearing the way to obtain the balance of permits required for construction," stated Brian Fairbank, President & CEO.

Blue Mountain, located 30 kilometers (20 miles) west of the town of Winnemucca, Nevada, is ideally situated for development. The proposed Faulkner I geothermal plant will require a 20-mile long transmission line over relatively flat, undeveloped desert land to a connection point located on the Utility's (Sierra Pacific) 120kV-transmission line north of Mill City, Nevada. The electric power is to be sold under a 20-year Power Purchase Agreement to the Nevada Power Company for up to 35MW of geothermal power. Phase I at Blue Mountain is expected to commence power generation in late 2009. *For more information, please visit http://www.nevadageothermal.com/s/News.asp?ReportID=280642&_Type=News&_Title=Announces-Approval-of-Environmental-Assessment-for-Blue-Mountain.*

Nevada Geothermal Power, Inc. Retains Cronus Capital Markets for Strategic Consulting

Nevada Geothermal Power, Inc. (NGP: TSX-V) (NGLPF: OTCBB) has retained CCM Consulting, a division of Cronus Capital Markets (CCM) Inc., to assist the company with information-based strategies to increase market efficiencies and overall liquidity.

The services to be provided by CCM will include the production of various forms of research coverage through CCM Research (a division of Cronus Capital Markets), ongoing media coverage, web-based as well as live investor presentations, and distribution and dissemination of research reports. Nevada Geothermal Power, Inc. will be paying \$42,500 for these services over the next 12 months.

There is no prior relationship between Nevada Geothermal Power, Inc. and CCM, nor is there any prior direct or indirect interest in Nevada Geothermal Power, Inc. or its securities, or any right to acquire such an interest on the part of CCM. *For more information, please visit http://www.nevadageothermal.com/s/News.asp?ReportID=279976&_Type=News&_Title=RETAINS-CRONUS-CAPITAL-MARKETS-FOR-STRATEGIC-CONSULTING.*

Ormat Technologies, Inc. Announces Unregistered Sale of Common Stock

Reno, Nevada, January 9, 2008 - Ormat Technologies, Inc. (NYSE: ORA), today announced the closing of the sale of 693,750 shares of common stock to its parent company, Ormat Industries Ltd., in an unregistered sale complying with the requirements of Regulation S under the Securities Act of 1933, as amended. The price per share for the shares of common stock issued in the unregistered sale was \$48.02 per share, representing a 5% discount to the closing market price of the Company's common stock (\$50.55 per share) on December 3, 2007, the date the unregistered sale was approved by a majority of the Company's shareholders.

The Company expects to use the aggregate net proceeds from the unregistered sale, in the amount of approximately \$33.3 million, for its general corporate purposes and those of its consolidated subsidiaries. Such purposes may include construction of geothermal and recovered energy generation power plants and other investments, and financing of possible acquisitions.

The shares of common stock issued in the unregistered sale will not be registered under the Securities Act of 1933, as amended (the "Securities Act"), or any state securities laws, and may not be offered or sold in the United States absent registration or an applicable exemption from the registration requirements of the

Securities Act. This press release does not constitute an offer to sell or the solicitation of an offer to buy any securities of the Company nor shall there be any sale of such securities in any state in which such offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of any such state. *For more information, please visit <http://www.ormat.com/news-and-events/new-releases/08.:01.:09--ormat-technologies.-inc.-announces-unregistered-sale-of-common-stock-.html>.*

U.S. Geothermal Announces Commercial Operation at Raft River

U.S. Geothermal Inc. (OTCBB: UGTH, TSX: GTH, "U.S. Geothermal"), a renewable energy company focused on the production of electricity from geothermal energy, announced that Idaho Power Company has provided notice that the company's Unit One geothermal power plant at Raft River, Idaho reached commercial power generation as of January 3, 2008, 00:00:01 (H:M:S) Mountain Standard Time.

Power is being purchased by Idaho Power Company under the terms of a 10-megawatt Public Utility Regulatory Policies Act ("PURPA") contract. Full energy prices are now being paid under the terms of the agreement.

U.S. Geothermal is a renewable energy development company that is operating a geothermal power project at Raft River, Idaho and developing Neal Hot Springs in eastern Oregon. U.S. Geothermal holds, through ownership or lease, geothermal rights of lands that comprise the Raft River Neal Hot Springs projects.

The information provided in this news release may contain forward-looking statements within the definition of the Safe Harbor provisions of the US Private Securities Litigation Reform Act of 1995, including statements regarding potential energy resources and projects, development possibilities for Raft River and Neal Hot Springs. These statements are based on U.S. Geothermal Inc.'s current expectations and beliefs and are subject to a number of risks and uncertainties that can cause actual results to differ materially from those described. Readers are cautioned to review the risk factors identified by the company in its filings with Canadian and US securities agencies. Forward-looking statements are based on management's expectations, beliefs and opinions on the date the statements are made. U.S. Geothermal Inc. assumes no obligation to update forward-looking statements if management's expectations, beliefs, or opinions, or other factors, should change. *For more information, please visit <http://www.usgeothermal.com/NewsReleases/Jan-07-2008.pdf>.*

Renewable Energy and Climate Change News

2007: Did We Reach the Tipping Point?

A recent Renewable Energy Access article explores the question: "did [renewable energy] reach a tipping point in 2007?" Though RE Access notes that there's no agreed upon standard for how to define a turning point, "2007 clearly proved that there is a major change underway in how the world produces and consumes energy."

The article goes on to reference Renewable Energy Finance's recent assessment of renewable energy development, which showed strong growth (see last week's Update for details). China is mentioned as a country taking a particular leadership role in renewable energy development, due more to its need for energy sources of any type than to any moral demand for clean energy. Other countries with significant energy needs are following China's lead. The article concludes, "while it is difficult — and perhaps futile — to determine when exactly the tipping point for the industry may occur, many analysts believe that 2007 will be viewed as a historic moment when the world accepted renewables not as "alternative energy" but simply as energy." *For more information, please visit <http://www.renewableenergyweekly.com/rea/news/story?jsessionid=8C865C8463B5B91488A65FF8970D5BF4?id=51033>*

Federal Trade Commission Looks More Closely at Carbon-Offset Market

The Federal Trade Commission (FTC) held a workshop on January 8 to examine the emerging market for carbon-offsets in the United States. Carbon-offsets are generally classified as money pledged to reduce carbon emissions through different means, such as planting trees. With these programs growing so quickly, "There's a heightened potential for deception," said Deborah Platt Majoras, the FTC chairwoman. At the workshop, panelists raised questions about the certification of offsets, as well as the extent to which certain measures actually reduce carbon emissions. The FTC is currently gathering information on current carbon-offset programs and soliciting comments to update guidelines as such programs move forward. "The carbon market is a leading example of the challenge of making sure that when people put their money into what they hope will improve their planet, that there is real follow-through," said Daniel Esty, director of the Center for Business and the Environment at Yale University. *For more information, please visit <http://www.nytimes.com/2008/01/09/business/09offsets.html>.*

2007 Second Warmest Year on Record

With the record for 2007 now complete, it is clear that temperatures around the world are continuing their upward climb, a recent article reported. The global average in 2007 was 14.73 degrees Celsius (58.5 degrees Fahrenheit)—the second warmest year on record, only 0.03 degrees Celsius behind the 2005 maximum. January 2007 was the hottest January ever measured, a full 0.23 degrees Celsius warmer than the previous record. August was also a record for that month and September was the second warmest September recorded.

Although 2007 did not post a new record high, the year stands out as being extremely warm despite several natural factors that usually cool the planet. El Niño conditions in the southern Pacific tend to increase the global average temperature, and yet the second half of 2007 saw the opposite develop—a La Niña, which would usually depress global temperature. The impact of the exceptional warmth in 2007 was especially apparent in the Arctic, where several feedback mechanisms amplify the effect of increasing greenhouse gas concentrations. *For more information, please visit <http://www.earth-policy.org/Indicators/Temp/2008.htm>.*

US Campaign Spurs Bid to Solve Climate Change

A recent article calls climate change the winner in the 2008 election. According to the League of Conservation Voters, "The true frontrunner in the 2008 presidential campaign so far is the issue of global warming: all four winning candidates to date support capping greenhouse gas emissions and solving the global warming crisis."

Sen. McCain of Arizona is the sponsor of one of the first bills to curb climate-warming pollution. Sen. Clinton of New York is a member of the Environment and Public Works Committee, which managed last month to approve a new carbon-capping bill -- the first time this has ever happened. Sen. Obama of Illinois has said his first priority to combat global warming if he is elected would be to enact a carbon cap that would cut US emissions by 80 percent. Huckabee, the former Arkansas governor, supports a cap-and-trade approach to fight global warming but has not been specific about how that might work in his administration.

Though the issue might be popular among voters and candidates, the league reports that in 2007, of 2,484 questions asked of presidential candidates, only three mentioned global warming. *For more information, please visit <http://www.planetark.com/dailynewsstory.cfm/newsid/46360/story.htm>.*

Global Warming May Reduce Carbon Sink Capacity in Northern Forests

A study published in the January 3 issue of *Nature* has found that the net carbon uptake in forests in the northern hemisphere is decreasing due to warmer autumn temperatures. Autumn temperatures in the northern latitudes have risen in the past 20 years by about 1.1°C, while spring temperatures are up by

0.8°C. While warmer temperatures in the spring can accelerate the growth of vegetation and increase the uptake of CO₂, warmer autumnal temperatures can actually have the opposite effect, with more CO₂ being released than taken in. “If warming in autumn occurs at a faster rate than in spring, the ability of northern ecosystems to sequester carbon will diminish in the future,” said lead author Shilong Piao of the Laboratory of Climate and Environmental Sciences in Gif-sur-Yvette, France.

The authors of the study cautioned against generalizing the results too much. “Further, more detailed studies are needed to quantify historical changes in [the] seasonal carbon cycle for each ecosystem,” Dr. Piao said. However, John Miller of the National Oceanic and Atmospheric Administration noted, “Most models predict that the land biosphere will start to lose carbon faster than it gains it.” *Reported by EESI. For more information, please visit <http://www.sciencedaily.com/releases/2008/01/080102134142.htm>.*

State News

Alaska: Legislation Introduced to Promote Alternative Energy

Alaska Rep. Paul Seaton (R-Homer) has pre-filed legislation that provides an incentive for home and business owners to generate electricity by using wind, solar, tidal, geothermal, and other alternative energy sources. The legislation would require electrical utilities to offer their customers the option of installing a net-metering system that calculates the electricity they generate through alternative energy. The utility would apply this as a kilowatt-hour credit against the consumer's bill. With passage of this legislation, Alaska would join 45 other states where some form of net metering is required. The small-scale power generation encouraged by this legislation decreases the need for new fossil fuel power plants. *For more information please visit <http://www.housemajority.org>.*

Alaska: Federal Energy Bill Provides Grant to Renewable Energy Projects

A recent article discusses the recently signed Energy bill and its benefit to renewable energy projects in the state. According to a recent article, the energy bill created a renewable energy program authored by Murkowski, with Stevens as co-sponsor, that would provide federal grants of up to 50 percent for any projects in Alaska using wind, solar, biomass, geothermal, ocean (wave, tidal and current) and hydro under 15 megawatts. The bill also contained a provision for grants up to 50 percent for projects in places where the electricity cost is 150 percent of the national average. That applies to about 59 of Alaska's 63 utilities. *For more information, please visit http://www.voiceofthetimes.net/index.php?option=com_content&task=view&id=764&Itemid=2.*

California Seeks Thermostat Control

A recent proposal by the CEC would allow utilities to adjust customers' preset temperatures when the price of electricity is particularly high. Final approval is expected next month. This is not a new technology, though it is constantly being tweaked; the latest iterations were on display this week at the Consumer Electronics Show in Las Vegas. Pacific Gas and Electric, the major utility in Northern California, already has a pilot program in Stockton that allows customers to choose to have their air-conditioning systems attached to a radio-controlled device to reduce use during periods when electricity rates are at their peak. But the idea that a government would mandate use of these devices and reserve the power to override a building owner's wishes doesn't sit well with some people. *For more information, please visit http://www.nytimes.com/2008/01/11/us/11control.html?_r=1&sq=energy&adxnml=1&oref=slogin&scp=21&adxnmlx=1200085605-l7yYG+ldLEr5D7pOgB3eTw.*

Colorado: Energy Office Rep Discusses Partnership for Geothermal Energy

Colorado's "New Energy Economy," established through the Governor's Energy Office (GEO) in April 2007, was recently described by Joani Matranga, GEO Western Region representative, to the Board of County Commissioners. Matranga said the GEO work plan is to implement energy efficiency programs statewide; attract and develop renewable energy industries; work with community groups, local governments, businesses and residents to build a sustainable future; work through the Legislature and Public Utilities Commission to remove barriers; and develop an infrastructure to support the New Energy Economy.

Matranga said geothermal is one of the renewable energy applications the state is promoting in partnership with utilities. She added that the GEO is determining which entities, public and private, are interested in such partnerships and will soon issue a request for information (RFI). *For more information, please visit http://www.ouraynews.com/Articles-i-2008-01-11-169963.112113_Energy_office_rep_talks_efficiency_geothermal_possibilities.html.*

Nevada: Permit Approved for Geothermal Company's Proposed Cement Plant

An Oregon-based power company received a special use permit recently to establish a cement blending facility on Beasley Drive off the Carson Highway in Churchill County, Nevada. The Churchill County Planning Commission granted the special use permit to Vulcan Power Company. In its application, the company states the cement blending facility will assist with its geothermal drilling program. According to the company's Web site, it has a geothermal development project at Salt Wells, south of Fallon. The Nevada Division of Minerals issued a geothermal project area permit to Carson Lake Basin Project, LLV (Vulcan Power Company) on July 26, 2007. A representative with the company said he hopes they will complete their geothermal drilling program and have 350 megawatts of power online in three years' time. *For more information, please visit <http://www.nevadaappeal.com/article/LF/20080111/News/508756668/-1/REGION>.*

Washington: Blog Devoted to Geothermal Energy in the State

Though Washington State sits on the edge of a geothermal hot zone, it has zero megawatts of geothermal. "It also has zero planned, proposed or within the plant approval process, even though we have excellent potential," laments Susan Petty, one of the world's leading geothermal reservoir engineers. However, a blog has been established to discuss all things related to geothermal in the state. *For more information, please visit <http://northofthehotzone.com/>.*

International News

Australia: Eden Energy Drills First Geothermal Well

The first well to establish whether the Riverland area of South Australia is a potential host for geothermal energy has been drilled, a recent Eden press release reported. Results are expected to be known early next year. The available data suggests commercially attractive geothermal resources may be present in the high temperature region within the Renmark-Tararra trough. *For more information, please visit <http://www.tradingmarkets.com/.site/news/Stock%20News/964651/>.*

Australia: Contact to Start Drilling Geothermal Wells

Contact Energy has been busy preparing the drilling sites for two geothermal production wells for its new Centennial Drive binary electricity generation plant, a recent press release reports. Contact's geothermal generation manager, Murray Stanley, said, "While this is a relatively small generation plant for which we already hold resource consents it will provide enough renewable electricity to power up to 20,000 homes," said Mr Stanley. He said it also represents the first stage of Contact's proposed development of the Tauhara geothermal field. The cost of the project is expected to be around \$75 million in total, including production wells, reinjection wells and associated pipework, and Contact plans on commissioning the

project late next year. *For more information, please visit*
<http://www.contactenergy.co.nz/web/view?page=/contentiw/pages/mediaandpublications/pressreleases/2008/2008-01-08-wellsunderwayfornewbinaryplant&vert=mp>.

Iceland: Taking the Leap from Oil to Geothermal Energy

A recent Iceland news article begins, “geothermal energy, found in abundance in Iceland’s volcanic landscape, could provide a significant contribution to world energy needs if the investment and will-power were in place.” In Iceland, water from hot underground rock provides around 90 percent of the island’s inhabitants with hot water in their homes. Geothermal sources also provide around 30% of the country’s electricity (with the remaining 70% coming from hydroelectric plants).

In an interview with NPR, Asgeir Margeirsson, head of the new Geysir Green Energy geothermal company, said that the capital, Reykjavik, uses energy entirely from geothermal and hydroelectric sources. He pointed out that the city took a big risk in switching from oil to geothermal energy, but that the risk paid off enormously. “There has been a lot of development here, whereas there has been...stagnation in other countries, and not too much development, like the US, New Zealand or Italy. Until recently,” Margeirsson said. “Today, it would cost us five times more to heat our homes with oil than it is costing with geothermal,” Margeirsson concluded. Margeirsson said people just need to take the risk to convert to the clean and cheap energy, the way his country did a few decades ago. *For more information, please visit*
<http://www.icenews.is/index.php/2008/01/07/taking-the-leap-from-oil-to-geothermal-energy/>.

Philippines: PNOC-EDC Plans to Construct Four Geothermal Plants

Power producer PNOC Energy Development Corp. said recently it would spend 13 billion pesos for capital expenditures this year, which will be partly funded by loans. PNOC-EDC is planning to construct four plants with a combined capacity of 150 megawatts in the southern part of the archipelago. The company has expressed interest in two plants with a combined capacity of 339 megawatts -- the 192.5-MW Palinpinon geothermal power plant and 146.5-MW Panay diesel power plant -- which the government may put on the auction block in the first quarter of this year. PNOC-EDC is now controlled by First Gen Corp., which led a consortium that made a winning bid of P58.5 billion last November for the government's remaining 60 percent stake in the power company. *For more information, please visit*
<http://business.inquirer.net/money/breakingnews/view/20080111-111781/PNOC-EDC-plans-P13B-capex-budget-for-2008>.

Tasmania: KUTH Energy Receives Additional Geothermal License

Minerals Resources Tasmania awarded KUTH Energy Ltd. a second Special Exploration License (SEL) in Tasmania for geothermal exploration. The license is a southern addition to KUTH's existing geothermal tenement. KUTH decided to apply for the new license on the basis of a favorable interpretation of the mid-year gravity survey. Located west of Maria Island, the interpretation shows a broad area of granite buried between 1.8 miles and 3.1 miles (3 km and 5 km), which are favorable depths for engineered geothermal power or hot rocks electricity projects. The company is conducting a shallow drilling program directed to measuring heat flow on a systematic basis and it is expected that the program will now be extended to the newly granted license. *For more information, please visit*
<http://www.energycurrent.com/index.php?id=3&storyid=7979>.

Notices and Employment Opportunities

GEA Surface and Subsurface Technology Reports Available

The Geothermal Energy Association released two new reports assessing the state of geothermal technology. The reports look at the technology used to find and develop geothermal energy underground, and those used to utilize geothermal resources above ground. The first report, entitled *The State of*

Geothermal Technology, Part I: Subsurface Technology, examines how companies today are trying to find and exploit geothermal heat under the ground. It follows and explains the series of steps that a geothermal project takes from exploration to resource confirmation. *The State of Geothermal Technology, Part II: Surface Technology*, examines the power plant technology used to convert geothermal resources into electricity. The report includes information about promising new surface technologies based on research and expert interviews. Both reports are available from the GEA website at: <http://www.geo-energy.org/publications/reports.asp>.

Employment Opportunities: Mighty River Power

Mighty River Power's diverse generation portfolio helps New Zealand ensure its ability to meet future energy needs. Mighty River Power is an integrated energy generation and retail business with a diverse and expanding portfolio of generation assets throughout the North Island of New Zealand. That portfolio includes rapidly growing geothermal interests including those at Mokai, Rotokawa, Kawerau and throughout the Taupo Volcanic Region. Mighty River Power's geothermal team performs to world class standards and is focused on implementing cutting-edge technology to the development of these renewable and greenhouse friendly energy resources. Rapid growth in our geothermal business has increased their need for engineers to join the geothermal team. They're looking for motivated engineers with good written and verbal English skill. They offer a stimulating environment for those who want to apply their geothermal expertise, whilst enjoying New Zealand's extensive lifestyle opportunities.

Reservoir Engineer

As a reservoir engineer you will:

- Design and supervise well tests, and collect and interpret results
- Propose and oversee field monitoring projects
- Characterize resource behaviour using sophisticated computer modelling software.
- Provide valuable technical support to high-dollar energy resource projects.

An engineering, hydrology or applied maths degree are relevant qualifications. An interest in real-world applications in a mixed office and outdoor environment is essential, as well as interests in geology, civil engineering, hydrology and computer modeling. Specialized knowledge and skills in geothermal field management, resource monitoring and well testing will be developed over time. This position reports to the Geoscience Manager and is located in Hamilton.

Senior Mechanical Engineer

As a senior mechanical engineer you will:

- provide vital strategic support to both operations and new generation development
- provide engineering and economic evaluation for enhancement opportunities of existing assets and new developments
- oversee and provide leadership for a multi-disciplined team of engineers.
- ensure that the company's strategic goals are achieved through assurance of plant performance in consideration of life cycle costs

The ideal person for this role will hold a relevant engineering qualification and have more than ten years experience in geothermal projects. This position reports to the Geothermal Engineering Manager and is located in Hamilton.

Plant Chemical Engineer

As plant chemical engineer you will:

- be responsible for determining appropriate treatment processes throughout the different geothermal power generation cycles
- oversee various specialist service providers
- review industry trends to ensure best practice principles are being applied
- specify and review the design of new installations
- supervise investigations

The ideal person for this role will hold a relevant engineering qualification and have more than five years experience in geothermal power plant operation. This position reports to the Operations Manager and is located in Taupo.

Maintenance Manager

As maintenance manager, responsible for a portfolio of power generation plant currently totalling 150MW and expanding to 500MW in the near future, you will:

- proactively improve and implement systems to enhance plant availability
- oversee and provide leadership for a multi-disciplined team of engineers.
- remain aware and trained on all technical advancements in the area of responsibility
- manage plant level capital projects in conjunction with the engineering team

This role will require a relevant engineering qualification and have more than ten years experience in geothermal power plant operation, including demonstrated line management skills. This position reports to the Operations Manager and is located in Taupo.

Drilling Engineer

As a drilling engineer you will:

- Write drilling programs and monitor drilling progress
- Assist the onsite drilling supervisor with implementation of high profile drilling operations
- Review operations for process improvements
- Provide technical support to field managers and reservoir groups for well maintenance.

An engineering degree with computer skills and good written and spoken English communications skills are required. Specialized knowledge and skills in geothermal drilling are important and additional experienced can be developed over time where needed. This position reports to the Drilling Manager - Geothermal and is located in Hamilton.

If you would like more information about Mighty River Power please see the company website at www.mightyriver.co.nz. If you would like more information about any of these vacancies or wish to apply then email careers@mightyriver.co.nz, or phone +64 9 5803612, or post your application to Human Resources, Private Bag 92008, Auckland Mail Centre.

Employment Opportunity: Geothermal Resource Exploration & Development Manager with Nevada Geothermal Power Inc.

Nevada Geothermal Power Inc. is seeking an experienced Geothermal Resource Exploration and Development Manager. Nevada Geothermal Power's 30 MW geothermal power development at Blue Mountain near Winnemucca is financed to production (\$120 million). This dynamic company seeks to significantly expand the resource base at Blue Mountain and is actively developing other geothermal power projects to meet the increasing demand for clean energy. The Company is well financed and expects significant growth through the next decade.

Geothermal Resource Exploration and Development Manager

This is a senior management position that requires a MS in Geological Sciences, Geological Engineering or Hydrology with 10+ years experience with geothermal field development. The successful candidate will plan and implement exploration and geothermal reservoir evaluation programs using a multi-disciplined approach involving geology, geochemistry, geophysics and drilling up to and including large scale development wells, helping to achieve the Company's objective for growth. The position is based in Reno and/or Winnemucca and will involve supervision of resource technical staff and consultants. Excellent communication and inter-personal skills are required as is a familiarity with budgets and cost controls.

The Company offers excellent health benefits, competitive remuneration, opportunities for career advancement in an exciting field.

To apply, fax resumes to 604-688-5926 or email resumes to careers@nevadageothermal.com.

Employment Opportunity: NREL Management (Due March 5)

The U.S. Department of Energy requests proposals for the selection of a Management and Operating prime contractor to lead the National Renewable Energy Laboratory (NREL), a premier renewable energy and energy efficiency research, development, demonstration, and deployment institution. Responses due 3/5/08. For more info, contact Mary Hartford at Mary.Hartford@go.doe.gov or go to:

<https://e-center.doe.gov/iips/busopor.nsf/UNID/761A911053622FE3852572F20078F2CE?OpenDocument>.

Requests for Proposals (RFPs)

RFP – US EPA Regional Priorities - Region 8 (Due Jan 18)

The U.S. Environmental Protection Agency, Region 8, requests proposals for the Regional Priorities Grant Program. Through this initiative, EPA seeks projects that achieve measurable environmental and public health results within the following priority areas: Energy and climate change, agriculture, mercury, and enhancement of state or tribal capacity to provide public health and environmental protection. Activities must take place in Region 8 which includes CO, WY, UT, MT, ND, and SD. \$653 million expected to be available, individual awards generally NTE \$75K. For more info, contact r8cfp@epa.gov or go to:

<http://www.epa.gov/region8/grants/>. Refer to Sol# EPA-R8-2008-001. (Grants.gov 11/20/07)

Electricity Research RFP – California (Due Jan 31)

The California Energy Commission requests proposals for the Energy Innovations Small Grant Program - Electricity Program. This program supports research that establishes the feasibility of new, innovative energy concepts. Up to \$95K is available for individual hardware projects and \$50K for modeling projects. Projects must address a CA energy problem and provide a potential benefit to CA electric ratepayers. In addition, projects must target one of the following areas: Industrial/agriculture/water end-use efficiency; building end-use efficiency; environmentally preferred advanced generation; renewable generation; energy-related environmental research; and energy systems integration. Responses due 1/31/08. For more info, contact eisgp@energy.state.ca.us or go to:

<http://www.energy.ca.gov/contracts/smallgrant/index.html>.

RFP Tribal Air and Energy - Region 7 (Due February 4)

The U.S. Environmental Protection Agency requests proposals for the Tribal Air Grants, for projects designed to address ambient air quality issues throughout Indian Country in Region 7. Energy projects which support the reduction of greenhouse gas emissions are encouraged. Energy projects may include, but are not limited to, promoting Energy Star campaigns such as “Change a Light, Change the World” and looking for opportunities to integrate distributed renewable energy into the tribe’s energy supply. \$200K expected to be available, up to 4 awards anticipated. Responses due 2/4/08. For more info, contact Robert Fenemore at Fenemore.Robert@epa.gov or go to:

http://www.epa.gov/region7/economics/r7_grant_opportunities.htm.

RFP Alternative Energy Projects – Alaska (Due February 12)

The Denali Commission, in concert with the Alaska Energy Authority, request proposals for Alaska Alternative Energy Projects, for cost effective alternative energy projects Alaska. Up to \$4 million expected to be available for projects that service rural Alaska, up to \$1 million for projects implemented anywhere in Alaska. Responses due 2/12/08. For more info, contact Rebecca Garrett at (907) 771-3000 or go to:

<http://notes5.state.ak.us/pn/pubnotic.nsf/cc52605f7c156e7a8925672a0060a91b/6f907a091d49359e892573aa007f0bd2?OpenDocument>.

RFP Energy Cost Reduction Projects – Alaska (Due February 12)

The Denali Commission, in concert with the Alaska Energy Authority, request proposals for Rural Alaska Energy Cost Reduction Projects. Areas of interest include: The upgrade of existing energy supply projects or systems for greater efficiency; energy conservation projects; heat recovery projects; and transmission lines that result in energy supply efficiency. \$4.4 million expected to be available. Responses due 2/12/08.

For more info, contact Rebecca Garrett at (907) 771-3000 or go to:

<http://notes5.state.ak.us/pn/pubnotic.nsf/cc52605f7c156e7a8925672a0060a91b/36f30e1a1143d206892573aa007c5ccd?OpenDocument>

CEC RFP for International Energy Fund (Due February 13)

The California Energy Commission requests proposals for the International Energy Fund, for projects that assist California firms in performing project development activities leading to exports of technology and services for power generation and energy-related projects in foreign nations. Project development activities may include, but are not limited to: Foreign buyer orientation visits, formation of consortia, data collection, environmental and/or economic policy analyses, and recommendations regarding existing energy development. \$250K expected to be available, individual awards NTE \$25K. Responses due 2/13/08. *For more info, contact Brenda Sturdivant at bsturdiv@energy.state.ca.us or go to:*

<http://www.energy.ca.gov/contracts/export.html>

RFP for All-Source Generation – Washington (Due February 29)

Puget Sound Energy announces its intent to seek over 2,000 MW of all-source generation, including efficiency. Final RFP scheduled for release 1/12/08, with responses due 2/29/08. *For more info, contact Roger Garratt at Roger.Garratt@pse.com or go to:*

<http://www.pse.com/energyEnvironment/pse2008RFP.aspx>

SMUD to Release 2008 Renewable Energy RFO (Due April 2008)

On January 4, 2008, The Sacramento Municipal Utility District (SMUD) will release a Request for Offers (RFO) of renewable energy for power purchase agreements (PPA). Proposals will be due early April 2008.

SMUD has a goal to meet 23 percent of its retail electricity sales with renewable energy by 2011 and beyond. The utility's need for renewable energy continues to increase due to its commitment to expand the amount of power from renewable sources in its power mix and a need to replace current contracts that expire in the coming years.

The 2008 solicitation is for PPA offers of California RPS eligible conventional renewables, which include resources such as wind, geothermal, small hydroelectric, landfill gas, biomass and biodiesel. A separate RFO for emerging renewable technologies is planned for mid-2008.

Interested parties can download the RFO documents from SMUD's Electronic Bid Solicitation System (EBSS) Web site at www.bids.smud.org when it becomes available. Registration to the EBSS site is required to access the documents.

SMUD recommends that those interested in this and future solicitations list their company name in the "Renewable Power" category as well as in one or more of the following Renewable Power subcategories: Generation Energy, Geothermal Power, Landfill Gas Power, Renewable Power-Other, Small Hydro Power, and Wind Power.

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: Cesar J. Beltran at (916) 732-6925 or cbeltra@smud.org.

RFP: Climate Change and Sustainability Conferences (Due June 5, and December 9 2008)

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 1/7/08, 6/5/08 and 12/9/08. For more info, 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)

Upcoming Events

Conference on Geothermal Surface Features, January 10 - 13, Yellowstone National Park

Over 100 scientists and educators will be gathering from January 10th until January 13th at Yellowstone National Park to share their findings on the unique biology and chemistry of geysers, hot springs, mud pots and steam vents found in the nation's oldest national park. The conference will be held at Mammoth Hotel and will focus on Yellowstone's geothermal systems and will also include discussions on the sun-heated salt lakes of Egypt, salt mats in the Mexican state of Baja California Sur and the microbes that dominate Russian hot springs. *For more information, please visit* <http://www.montana.edu/cpa/news/nwview.php?article=5462>.

GEA Geothermal Development and Finance Workshop, January 16, Bally's, Las Vegas, Nevada

Come to this one day event, and learn about our dynamic and fast expanding market! This workshop will bring together experts from all different facets of geothermal energy. Over 200 participants are already registered for the workshop!

While on-line registration has closed, registration will be available on-site on a space available basis. Here is the Preliminary Agenda for the Workshop:

**The Geothermal Energy Association's
Geothermal Development and Finance Workshop**
January 16, 2008
Bally's, Las Vegas, Nevada

Sponsored By:
Glitnir Bank
Ormat Technologies
Nevada Power
Enel North America

Co-sponsored By: Western Area Power Administration, the Geothermal Resources Council, and the Geothermal Education Office

7:00 Registration Open/Light Breakfast Served

Program Moderators: Karl Gawell, Executive Director, GEA
John McCaull, Western States Representative, GEA

8:00 Welcome and Opening Remarks:

- Tom Fair, Nevada Power
- 8:15 Geothermal Energy and Nevada's Future:
Hatice Gecol, Energy Advisor to Governor Jim Gibbons
Senator Randolph Townsend
Representative of Senator Harry Reid
Assistant Assembly Majority Leader Marcus Conklin
- 8:35 Doing Geothermal Business in Nevada
Kyle Davis, Policy Director, Nevada Conservation League,
Paul McKenzie, Building and Construction Trades Council of Northern Nevada,
Christy Morris, Nevada Division of Minerals
- 9:00 Our Evolving Knowledge of Nevada's Geothermal Resource Potential
Lisa Shevenell, PhD
Director, Great Basin Center for Geothermal Energy, and
Faculty, Nevada Bureau of Mines and Geology
- 9:25 Break
- 9:40 Status Report on Geothermal Projects in Nevada and the West
Karl Gawell, Executive Director, GEA
- 10:00 Case Study of a Successful Geothermal Project
Dallas Peavey, Director of Business Development, Ormat
- 10:25 Developing Geothermal Projects in the North American Market: Some Lessons Learned
Toni Volpe, Enel North America
- 10:50 The Challenges Facing New Projects in Nevada and the West
Panel I:
Brent Cook, Raser Technologies
Halley Dickey, UTC Power
Magnus Johansson, Iceland America Energy
Auður Nanna Baldvinsdóttir, Geysir Green Energy

Panel II:
Ken MacLeod President & CEO, Western GeoPower
Brian Fairbank, Nevada Geothermal
Gary Thompson, Sierra Geothermal Power Corporation
Joe Greco, Terra-Gen Power, LLC
- 12:00 Lunch Served
- Luncheon Address: Congress and the White House: Outlook for 2008
Jonathan Weisgall, VP Legislative and Regulatory Affairs, MidAmerican Energy Holdings; and, President, Geothermal Energy Association
- 1:00 Federal Regulations, Leasing and Unitization
Kermit Whiterbee, BLM Geothermal Program Director
Richard Hoops, BLM Nevada
Marc Gottschalk, Wilson Sonsini Goodrich & Rosati
Jennie Bricker, Stoel Rives LLP
- 1:30 The Governor of Nevada's Renewable Energy Transmission Advisory Commission Report: A Geothermal Overview (to be issued December 2007)
Dan Schochet, Advisory Committee Chair (and Ormat, Nevada)
Christy Morris, Co-Chair
- 1:45 Preview of the Draft Programmatic EIS (Scheduled Public Release of Draft April 2008): Geothermal Potential on Public Lands in the Western States
Jack Peterson, National Program Manager, BLM
- 2:00 Financing, Incentives, and Other Approaches to Influencing the Bottom Line
John McIlveen, Jacob and Company Securities,
Robert Banack, Dundee Securities
John Pierce and Greg Broome, Wilson Sonsini Goodrich & Rosati
Kevin Pearson, Stoel Rives LLP
Tom King, US Renewables Group

- Bill Lemon, EverGreen Pacific Capital, LLC
William H. McBride, Hunton & Williams
- 3:00 Break
- 3:15 Power Purchase Agreements (PPA's)
Ed Feo, Milbank, Tweed, Hadley & McCloy
Kevin McSpadden, Vulcan Power
Paul Zavesov, Ormat
- 4:10 Roundtable: Lender Perspectives on Financing Geothermal Development
Moderator: Rick Rodgers, Montgomery Street Financial
Charles J. Arrigo II, Glitnir Capital Corporation
John Eber, JP Morgan
(Speakers from 2pm Panel will join the roundtable discussion)
- 4:55 Summation and Closing Remarks
- 5:30-7:00 Reception- Sky View Room

Harvesting Clean Energy 2008 Conference, Jan 27-29, Portland, Oregon

Registration for the 2008 Harvesting Clean Energy Conference, which will take place January 27-29 in Portland, Oregon, is now open. The Harvesting Clean Energy Conference is the Northwest's premiere gathering for agriculture and energy interests working to advance new opportunities for agriculture producers and rural communities in clean energy production. Visit clean energy facilities in the Portland area, and network with other attendees prior to the conference during three free tours on Sunday, January 27 from 1-5pm. Sponsorship and exhibitor opportunities are still available. *For more information, please visit <http://www.harvestcleanenergy.org/conference/>.*

33rd Stanford Geothermal Workshop, January 28-30, Stanford, California

The workshop seeks to:

- 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
- Enable prompt and open reporting of progress

All scientists and engineers involved in geothermal reservoir technology are encouraged by organizers to attend the workshop. 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, please visit

<http://pangea.stanford.edu/ERE/research/geoth/conference/workshop.html>.

POWER-GEN Renewable Energy & Fuels 2008, February 19-21, Las Vegas, Nevada

2008 marks the 5th year of this premier all-renewables conference and exhibition covering the most important trends and issues impacting the industry. Bringing the wind, solar, biomass and alternative fuels, hydro and geothermal sectors together for three days of information exchange and fast-track networking, POWER-GEN Renewable Energy & Fuels attracts the biggest names in renewables to discuss technical, strategic, regulatory, structural and economic issues. The event will take place at the Rio All-Suite Hotel & Casino Las Vegas, NV. *For more information, please visit <http://pgre08.events.pennnet.com/fl/content.cfm?NavId=6137&Language=Engl>.*

WIREC International Renewable Energy Conference, March 4-6 Washington, DC

The United States Government, in cooperation with the American Council on Renewable Energy (ACORE) and several leading renewable energy trade associations, will host the Washington International Renewable Energy Conference March 4-6, 2008, at the Washington Convention Center. GEA is a member of the Coordinating Committee and will be preparing a geothermal program track. For more information about the Conference visit: <http://www.americanrenewables.org> or for information about the geothermal track and events contact Alyssa Kagel at research@geo-energy.org, or 202-454-5261.

4th International Geothermal Conference, April 24th, 2008, Freiburg, Germany

The International Geothermal Conference takes place in Freiburg, Germany in April 2008 for the fourth time. The event provides information about Technology, Financing and Insurance of geothermal projects and ideal conditions to network with international business partners. *For application and more information please visit www.geothermiekonferenz.de.*

SMU Geothermal Conference, June 17-18

Southern Methodist University will put on a Geothermal Conference covering geothermal oil and gas wells June 17 - 18, 2008. More information will be provided when it becomes available.



GEA Update

A newsletter for GEA Members written by Alyssa Kagel 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

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Is Your Company a GEA Member?

GEA is a membership organization. Companies which support GEA as members are vital to the organization's success. If your company is not a member, please consider joining GEA today. You can obtain membership information, and apply on-line at:

<http://www.geo-energy.org/membership/appl.asp>