



GEOTHERMAL ENERGY ASSOCIATION

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National News

President-elect Obama Calls for Doubling Renewable Energy in Three Years, Adding 4,000 MW Geothermal and Solar

On Thursday, January 8, President-elect Barack Obama outlined in a speech some additional details about the energy portions of his proposed stimulus plan. “To finally spark the creation of a clean energy economy, we will double production of alternative energy in the next three years,” the President-elect boldly declared.

According to the *Wall Street Journal*, an Obama transition aid said that doubling renewable energy assumed “the geothermal and solar industries can install 4,000 MW of new power.”

While details on the stimulus plan are still scarce, overall it is expected to be comprised of 50% tax cuts, 40% direct investment, and 20% directed at the states. Specific renewable measures discussed are an extension of the production tax credit, an expanded loan guarantee program, and a national renewable energy standard.

California Governor Arnold Schwarzenegger wrote President-elect Obama urging that he include additional measures in his economic recovery package. Specifically, the Governor’s letter recommended:

- “Allowing renewable production tax credit, solar investment tax credit and accelerated depreciations to be refundable for projects placed in service in 2009
- “Establishing clear policy within the U.S. Bureau of Land Management and other federal agencies to prioritize renewable energy project development and transmission on federal lands.

•“Requiring the U.S. Forest Service to expedite the permitting and general plan amendments necessary to complete the Sunrise Powerlink transmission project just approved by the California Public Utilities Commission.”

The process and timing for the stimulus/recovery package continued to be unclear. While early expectations were for legislation to be on the President elect’s desk for signing in January, it now appeared more likely that it would take until mid- to late-February for Congress to complete action. In addition, despite Democratic control of both the House and Senate, questions were being raised that could complicate achieving quick passage. Of particular concern were expressions of concerns from some Democrats about the growing size of the federal deficit and the impact the stimulus bill would have on the deficit.

Hearings on Chu and Salazar Scheduled by Senate Committee on Energy & Natural Resources

Next week, the Senate Committee on Energy & Natural Resources will hold hearings on the nominations of Dr. Stephen Chu of California to be Secretary of Energy on January 13 and Sen. Ken Salazar of Colorado to be Secretary Interior on January 15. President-elect Obama has announced he will nominate Chu as Secretary of the Department of Energy and Salazar as Secretary of the Department of the Interior.

The Senate has developed an informal process allowing committees to act on anticipated nominations. The hearing for Dr. Chu will begin at 10 am and Senator Salazar’s hearing is scheduled to begin at 9:30 am. Both are expected to be on c-span.

Markey to Lead House Energy and Commerce Subcommittee

Representative Edward Markey, a 17-term congressman with a strong record against nuclear power and for more fuel-efficient cars and renewable energy, will be named chairman of the House Energy and Commerce Subcommittee on Energy and the Environment, according to *The Boston Globe*. This move will make him one of the most powerful Democrats on one of Obama’s central issues, the article pointed out, and will give Massachusetts a stronger influence.

This will also mark a shift under House Speaker Nancy Pelosi toward a more environmentalist perspective on energy policy, the article stated. Pelosi told press Markey has "knowledge, experience, judgment, and ability to communicate on this subject so effectively," and is “really a powerhouse on the issue of global warming and energy independence.”

Earlier, House Democrats had voted to elect Rep. Henry Waxman (D-CA) as Chair of the full Energy and Commerce Committee, replacing long-standing Chairman John Dingell (D-MI). Together, the shift to Rep. Waxman as Chair of the full Committee and Rep. Markey as Chair of the Energy Subcommittee mark a significant shift in potential energy policy coming from the House of Representatives.

See

http://www.boston.com/news/nation/washington/articles/2009/01/08/markey_to_lead_powerful_energy_subcommittee/.

BLM Leases Over 146,000 Acres for Geothermal Development in December Sale

The U.S. Bureau of Land Management’s December lease sale brought another 146,339 acres of land to be designated for geothermal development, according to sustainablebusiness.com. The tracts were all in Utah, Oregon, and Idaho. All of the available tracts were successfully leased.

Additionally, BLM has published an amended plan for geothermal leasing in the Western states, the article said. It allocates about 111 million acres open for leasing and 79 million acres of National Forest System

lands. The new plan allows pre-existing studies on specific lands to be used, thus reducing the time needed for the process.

"All but 10% of our geothermal resources are found on Federal lands and facilitating their leasing and development is crucial to supplying the secure, clean energy American homes and businesses need," Secretary of the Interior Dirk Kempthorne told press.

See <http://www.sustainablebusiness.com/index.cfm/go/news.display/id/17386>.

Company News

Ormat Technologies: Kenya Project in Progress, \$105m Signed

Press Release Highlights—January 8, [Ormat Technologies Signs a \\$105 Million Long-Term Senior Debt Financing for the Olkaria III Geothermal Power Project in Kenya](#)

Ormat Technologies, Inc. (NYSE: ORA) announced today that on January 5, 2009, its wholly-owned subsidiary, Orpower 4, Inc., signed loan documents for project financing of up to \$105 million to refinance Ormat's investment in the 48 MW Olkaria III geothermal power plant located in Naivasha, Kenya. Ormat financed construction of Phase I and Phase II of the project, as well as the drilling of wells, by investing approximately \$150 million from its own internal sources.

Phase II expansion of the project added 35 MW in December 2008, bringing the project to its target capacity of 48 MW. The electricity generated is sold to Kenya Power & Light Company (KPLC) under a 20-year Power Purchase Agreement.

The 10-year project finance loan for the project of \$105 million is to be provided by a group of European Development Finance Institutions (EDFIs) arranged by Deutsche Investitions- und Entwicklungsgesellschaft mbH ("DEG").

OrPower 4 and its lending group are now finalizing the security documents in support of the financing.

"Having completed the second phase of construction at Olkaria III and adding 35 MW of base load capacity in Kenya, Ormat feels rewarded to have reached this significant milestone of signing the main financing documents for the project," said Dita Bronicki, Ormat's CEO. "We appreciate the confidence of Europe's leading Development Finance Institutions in Ormat and its demonstration of real commitment to Public Private Partnerships in developing Renewable Energy in Africa and in particular, Geothermal Energy Projects in the Rift Valley. We look forward to finalizing the remaining documents for the financing, and to be able to meet the conditions precedent to disbursement and drawdown on the loans as quickly as possible," concluded Dita Bronicki.

"We are proud to support Ormat, a distinguished partner with exceptional knowledge and a proven track record. With this project, DEG boosts the utilization of renewable energies in Kenya, a focus country of the German development cooperation, thereby making a significant contribution to climate protection with a signaling effect for the region. Climate protection is an important business area of DEG, as well as private-sector promotion in Africa," said Dr Winfried Polte, Chairman of DEG's Board of Management.

See <http://www.ormat.com/relation.php?did=84>.

Raser Technologies: Article Features Geothermal Success

Raser Technologies was featured in an Associated Press article. The company has increased its planned development of 10 MW to 230 MW, backed up by the consulting firm GeothermEX. Merrill Lynch & Co. has pledged to fund Raser's first 100 MW of projects, the article said.

Raser was hailed for its quick construction of a power plant in Utah — a 6-month project that could eventually power 200,000 homes. Raser's find "has the potential to become one of the more important geothermal energy developments of the last quarter century," Greg Nash, a professor of geothermal exploration at the University of Utah, told press.

See <http://www.google.com/hostednews/ap/article/ALeqM5gDuzOGMq0-JF5mK6UpfalzHjYuRAD9596JG80>.

Raser Technologies: New Lease Parcels Expand Geothermal Acreage by 50,000

Press Release—December 22, [Raser Technologies Adds More Than 50,000 Acres To Its Geothermal Resource Portfolio](#)

Raser Technologies, Inc. announced today that it continues to expand its vast geothermal resources by acquiring 17 new lease parcels covering more than 50,000 acres of geothermal, surface and other rights in Utah as a part of the BLM (Bureau of Land Management) geothermal auction on Friday, December 19, 2008.

The new leases increased Raser's total geothermal holdings to over 300,000 acres in five states. Under the lease agreements, Raser has rights to the geothermal resources and certain surface rights for the construction of geothermal wells, piping, power plants and transmission lines.

"We continue to carefully select additional resources for future development and to expand our geothermal portfolio," stated Dick Clayton, Raser's Executive Vice President. "We believe these strategic acquisitions of federal geothermal resources significantly enhance our overall portfolio of federal, state and private lands. We feel it is imperative to our country's energy independence and for the health of the environment that these geothermal resources be developed as rapidly as possible to meet the growing energy demands of our country with the clean renewable energy that lies just below our feet."

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

US Geothermal: *WSJ* Recommends Investment for 2009

US Geothermal was listed at number 7 of the *Wall Street Journal* "Ten investments to Watch in 2009." "A high-risk, speculative stock," the listing reads. "HTM is a leveraged alternative-energy play. It's an interesting situation. It's building and operating geothermal power plants out west, and has plenty of cash. The shares have collapsed from \$4 to just 70 cents, valuing the company at about \$47 million."

Other investments to watch were The iShares S&P California Municipal Bond Fund, Gap, The Vanguard Extended Duration Treasury exchange-traded fund, The iShares Silver Trust, The iShares Dow Jones Home Construction Index Fund, CGM Focus Fund, The iShares MSCI EAFE Small Cap Index Fund, Clough Global Opportunities, and CurrencyShares Japanese Yen Trust.

See http://online.wsj.com/article/SB123067029037243543.html?mod=special_page_campaign2008_mostpop.

Western GeoPower: Phase I Completed at New Geysers Wells

Press Release—December 24, [Western GeoPower Completes First Phase of Geysers Drilling](#)

TSX Venture Exchange Trading Symbol: WGP—Western GeoPower Corp., a renewable energy development company, today announced that the four wells drilled to date at the Western GeoPower Unit 1 project at The Geysers Geothermal Field in California are considered to have sufficient power capacity

behind pipe to satisfy the minimum requirements for project financing. Accordingly, further drilling has been deferred until receipt of project financing to construct the 35 MWe power plant, which is anticipated for the second quarter of 2009.

An assessment by independent consultants GeothermEx, Inc. of the four wells, designated WGP-1 through WGP-4, states that the total net initial power capacity from the four wells is estimated at 26.1 MW, which represents 74.6% of the initial plant capacity of 35 MW (net). Experience at The Geysers shows that when a plant is put on line the wells undergo a 10% to 30% decline within a few weeks before the productivity stabilizes and the long-term productivity decline trend ensues. Assuming an average 20% decline before stabilization, the four completed wells represent a total stabilized flow capacity of 20.9 MW (net), or 5.22 MW (net) per well.

GeothermEx concludes that the 35 MW (net) capacity plant can be supplied initially by seven production wells instead of eight wells as initially projected, in addition to one new injector well. With the first four wells having been completed under budget and approximately three months ahead of schedule, deferring the drilling of the remaining wells is not expected to adversely impact the projected Commercial Operating Date for the power plant in 2010.

“Our original forecast called for the drilling of up to six wells to satisfy the anticipated banking requirement of 60% of the resource being behind pipe,” said Kenneth MacLeod, President & CEO of Western GeoPower. “Having achieved the resource target with four wells enables us to significantly reduce our monthly expenditures until receipt of project financing, by focusing on permitting and engineering issues during the current period of financial market instability.”

Renewable and Climate Change News

Christian Science Monitor Discusses EGS Potential

An article in the *Christian Science Monitor* discusses geothermal energy’s role in America’s energy future. The Obama administration has pledged strong support for renewables, the article points out, and Google has made large investments. Enhanced Geothermal Systems (EGS) have reenergized the movement, the article says.

GEA’s executive director Karl Gawell was quoted comparing the geothermal industry to oil and gas exploration, “except we’re about 100 years behind them,” he said. In the past, oil was only found in places where it was already coming out of the ground. But then oil companies found “you could fracture [the rock], you could add water, add gases,” and get more production out of the fields. That is the same thing that is being done with EGS.

“EGS could be the ‘killer app’ of the energy world,” Dan Reicher, director of climate and energy initiatives for Google.org, told the publication. “It has the potential to deliver vast quantities of power 24/7 and be captured nearly anywhere on the planet. And it would be a perfect complement to intermittent sources like solar and wind.”

See <http://features.csmonitor.com/innovation/2008/12/31/how-underground-hot-rocks-could-power-america%E2%80%99s-future/>.

Regional Greenhouse Gas Initiative Reports Emissions in 2008 Below Cap

From Climate Change Business Journal, [RGGI emissions in 2008 below cap; second auction nets \\$106.5 million](#)

Greenhouse gas (GHG) emissions in the 10 northeastern and Mid-Atlantic states participating in the Regional Greenhouse Gas Initiative (RGGI) are shaping up to be about 16% lower in 2008 than the

emissions cap established in the RGGI legislation, according to a recent report by the non-profit organization Environment Northeast (ENE). The economic slowdown, higher energy prices, lower electricity consumption, and increased generation from non-fossil fuels all contributed to the regional decline in GHG emissions, the ENE report concluded. "When RGGI was negotiated, everyone thought the business-as-usual emissions trends would be up," said Derek Murrow, ENE's director of policy. "What we're seeing, very clearly, is that emissions can decline significantly when the price of dirty fossil fuels goes through the roof and electricity consumption remains stable."

Meanwhile, in its second auction of GHG emission allowances on December 19, RGGI raised \$106.5 million from the sale of 31.5 million allowances. The shares sold for \$3.38 per allowance, which was 31 cents higher than the clearing price of \$3.07 per allowance in the first auction in September 2008. A total of 69 bidders from the energy and financial industries and the environmental advocacy sector participated in the second auction.

Scientists Project 2009 One of Warmest Years on Record

From EESI Climate Change News, [Researchers Say 2009 to Be One of Warmest Years on Record](#)

On December 30, climate scientists from the UK Met Office and the University of East Anglia projected 2009 will be one of the top five warmest years on record. Average global temperatures for 2009 are predicted to be 0.4°C above the 1961-1990 average of 14 ° C. A multiyear forecast using a Met Office climate model indicates a "rapid return of global temperature to the long-term warming trend," with an increasing probability of record temperatures after 2009. "The fact that 2009, like 2008, will not break records does not mean that global warming has gone away What matters is the underlying rate of warming," said Dr. Phil Jones, the director of climate research at the University of East Anglia. The presence of La Nina during the last year partially masked this underlying rate. "Phenomena such as El Nino and La Nina have a significant influence on global surface temperature," said Dr. Chris Folland of the Met Office Hadley Center. "Further warming to record levels is likely once a moderate El Nino develops." The transition from a La Nina effect to an El Nino one is expected late next year.

For additional information see:

<http://uk.reuters.com/article/topNews/idUKTRE4BT49920081230>

<http://www.telegraph.co.uk/earth/earthnews/4030681/New-Years-Eve-set-to-be-colder-than-in-Iceland.html>

<http://www.bloomberg.com/apps/news?pid=20601072&sid=aTHzt5EA3UXs>

<http://www.metoffice.gov.uk/corporate/pressoffice/2008/pr20081230.html>

State News

Alaska: Senator Requests Tax Cut for Geothermal Energy

State Sen. Lesil McGuire has filed legislation that would reward those who produce geothermal energy in the state, according to ktuu.com. The legislation would establish a production tax credit for geothermal systems that produce at least 400 kW, the article said.

See <http://www.ktuu.com/Global/story.asp?S=9610787>.

California: CEC Recommends Feed-in Tariffs for Projects up to 20 MW

California will implement a system of feed-in tariffs, according to wind-works.org. The decision was made by presiding commissioners at the California Energy Commission's final workshop on feed-in tariffs. A final report will be submitted and incorporated into the 2009 Integrated Energy Policy Report, the article said.

The recommendation will implement a system of feed-in tariffs for projects up to 20 MW; the CEC and the Public Utility Commission would continue to evaluate larger projects, though the two organizations have different jurisdictions. It is likely that a system distinguished by technology and project size will be in place sometime in 2009, the article said.

See <http://www.wind-works.org/FeedLaws/USA/CECRecommendsCost-BasedFeed-inTariff.html>.

Nevada: Nevada Power Considers Geothermal Stake

Nevada Power Co. as NV Energy is preparing to enter a joint ownership agreement with Ormat Nevada for its first investment in a geothermal power project, according to the *Las Vegas Review-Journal*. The plan is dependant on Ormat building a plant that will generate more than 30 MW; otherwise, Ormat would develop any potential sites as 100% owner.

The arrangement would allow Nevada Power to get renewable credits to satisfy state minimum renewables requirements. "We think geothermal is the most competitive (priced) of the renewable resources," NV Energy renewable energy executive Tom Fair told press.

See http://www.lvrj.com/news/breaking_news/36910824.html.

International News

***Economist* Features Geothermal in Africa's Rift Valley**

An article in the *Economist* featured the potential of geothermal development in the Continental Rift Valley in East Africa. At least 18 locations in the Rift Valley have been identified and could generate 440 MW, the article said. Africa's lack of electricity makes geothermal, with 14,000 MW of untapped local potential, an answer to the problem. Kenya already produces 158 MW and wants to raise its geothermal capacity to 576 MW within a decade.

See http://www.economist.com/world/mideast-africa/displayStory.cfm?story_id=12821590.

China: Geothermal Representation Seen at Beijing Alternative Energy Summit

Geothermal was represented for the first time this year at the China Power & Alternative Energy Summit, according to renewableenergyworld.com. The article was written by Thomas R. Blakeslee, who contributed his paper, *Can Geothermal Replace Coal for Baseload Power?*, to the panel. A panel of presenters from Australia, Germany, Iceland and the U.S. participated. In the article Blakeslee also describes his visit to a local coal power plant at the summit.

See <http://www.renewableenergyworld.com/rea/news/reinsider/story?id=54316>.

Japan: First New Geothermal Project Development in 20 Years Underway

Mitsubishi Materials Corp, Electric Power Development Co, or J-Power, Nittetsu Mining Co Ltd., and Kyushu Electric Power Co. all plan to participate in geothermal power projects this year, according to reuters.com. The Japanese government also plans to increase support for geothermal development. These will be the first new projects in nearly two decades.

Mitsubishi Materials and J-Power will invest roughly 40 billion yen (\$433.9 million) in a plant in Yuzawa, in northern Japan, expected to generate 60,000 kW and open in 2016. The Ministry of Economy, Trade and Industry will set up a study group of industry experts and academics, with results in areas such as financial

assistance due in April. Japan has 18 geothermal plants currently in operation with a combined output of 500,000 kW.

See <http://www.reuters.com/article/rbssIndustryMaterialsUtilitiesNews/idUST34368520090103>.

Philippines: EDC Moving Ahead with Geothermal Projects

The Energy Development Corporation (EDC) has several projects underway. It hopes to develop a 40-MW geothermal plant in Dauin, Negros Oriental by 2013, according to pna.gov.ph. That project is currently in the exploration stage.

Additionally, EDC is moving ahead with its P20 billion Philippines expansion projects for the Bacon-Manito field. Among the BacMan expansion projects are Kayabon at the Manito side and Rangas and Tanawon on the Sorsogon side with a combined target of 120 MW.

See <http://www.pna.gov.ph/index.php?idn=&nid=3&rid=179567> and <http://www.tradingmarkets.com/.site/news/Stock%20News/2108409/>.

Samoa: Samoa to Consider Geothermal Development

Samoa's Minister of Natural Resources and Environment, Faumuina Tiatia Liuga, says his ministry will present a report to the cabinet to consider using geothermal energy, according to rnzi.com. The ministry would conduct a feasibility study, with Savaii island as the preferred location.

See <http://www.rnzi.com/pages/news.php?op=read&id=44021>.

Notices and Employment Opportunities

Funding Opportunity, California Energy Commission (January 30, 2009)

The California Energy Commission's Public Interest Energy Research Renewable (PIER) program announced a competitive grant solicitation for funds to further accelerate the state's renewable energy portfolio. The goal of this grant program is integration within a single community of multiple renewable energy technologies, including wind, solar, biomass, biogas, geothermal, energy storage, combined heat and power, energy efficiency, etc. Projects in Exploratory, Pilot, or Implementation stage are all eligible for funding. A pre-proposal workshop will be held at the California Energy Commission on December 22nd at 10 am. Prime Applicants should be based in California and must be empowered to act on behalf of a specific community in the matters of RESCO planning and implementation.

To see the full solicitation, visit http://www.energy.ca.gov/contracts/PON-08-004/PON-08-004_Application_Manual.pdf. The deadline to submit proposals is January 30, 2009, 4:00 pm PST.

Participants Sought for ESP Design Meeting (February 11, 2009)

Participants sought for an all-day design meeting for the ideal ESP, to be held in Palo Alto on Wednesday, February 11.

A limited number of participants are being sought for a one-day design meeting. The goal of the meeting is to develop the criteria for the ideal ESP (e.g., temperature, horsepower, diameter, efficiency, etc). Individuals knowledgeable in down hole submersible pumps and high temperature motors are explicitly sought. Representatives from pump companies are welcome.

Elevated temperatures in confined subsurface environments pose a unique set of challenges not encountered in other areas of energy retrieval. Recognizing this, a geothermal prize is being developed to spur innovation and accelerate the manufacturing of robust geothermal pumps. The goal is a set of design criteria for an ESP pump that is technically feasible within the next five to seven years.

The initial stages of this prize project are being funded by the Lemelson Foundation. To learn more about this project please contact Lawrence Molloy at Lawrence.Molloy@gmail.com.

Employment: Project Director, Municipal Clean Energy Project, Alliance to Save Energy

The Alliance to Save Energy is seeking a Project Director to start-up and to lead the Municipal Clean Energy Project (MCEP). The MCEP is a new multi-year, national initiative to encourage investment in, and deployment of, energy efficiency and clean energy programs and policies by publicly owned power utilities in the U.S.

The Project Director will have oversight and responsibility for the entire MCEP program, will report to the Vice President of Programs for the Alliance as well as to the MCEP Steering Committee, and will liaise with key project partners.

The successful candidate must have at least five years of program management experience and three years of experience in one of the following areas: publicly owned utilities, municipalities and/or energy efficiency. The candidate must also demonstrate organizational, writing and communications expertise and have the ability to work with senior level executives to both design and lead multi-faceted programs and initiatives. S/he must have a demonstrated ability to build and lead partnerships and/or coalitions. The candidate will work in a fast-paced environment with highly motivated staff in a rapidly growing, energy efficiency-focused organization. The position requires a modest amount of travel, mostly within the U.S. Candidates must have at minimum a Bachelors degree, Masters preferred.

Initial funding has been secured from a major foundation for the development of this initiative and the donor has expressed their interest in the future expansion of the program. Additional proposals have already been submitted to other funding sources. The current funding cycle is through 2011.

The position responsibilities include, but are not limited to, the following:

- Manage MCEP logistics, including budgeting, communications reporting, maintenance of the project web site, and supervision of project personnel and contractors;
- Liaise with the MCEP Steering Committee and project partners;
- Compile, field test and produce “best practice” tool kits for use by MCEP participants;
- Coordinate with project partners in the delivery of MCEP workshops and the tracking of workshop outcomes;
- Manage special events, including a project launch and Municipal Clean Energy Summits;
- Integrate the activities of the MCEP with other leading clean energy policy initiatives.

Salary is competitive based upon experience. The Alliance to Save Energy offers a generous benefits package and a comfortable work environment in downtown Washington DC convenient to Metro. Consideration of candidates will begin immediately and continue until the position is filled. The Alliance is an equal opportunity employer.

Applicants should send a cover letter, resume, salary history and references no later than December 1, 2008 by mail to Dianne Streat, Director of Administration, Alliance to Save Energy, 1850 M Street, N.W, Suite 600, Washington, DC 20036, or via email to dstreat@ase.org. No calls please.

Resource Development Opportunity – Rosebud Sioux Tribe, Rosebud, SD

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

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

Contact: Leigh Bryant-Zarse, Architect-Engineer-Consultant, 1812 Mountain Ave., Wauwatosa, WI 53213-2336, phone and fax: 414-259-1812

Rosebud Sioux Tribe: Chief Rodney Bordeaux, PO Box 430, Rosebud, SD 57570, phone 605-747-2381

Great Basin Transmission Opens Bids for Transmission Rights in Idaho, Nevada

Press Release—November 6, [Great Basin Transmission Announces Open Season for the Southwest Intertie Project](#)

Great Basin Transmission, LLC announced on November 6 an Open Season to receive proposals for the purchase of long-term point-to-point transmission rights on the Southwest Intertie Project (SWIP). Successful bidders in the Open Season will secure firm transmission rights to support financing of new generation resources and to allow existing generation resources to transport their output to attractive liquid markets in the West.

The SWIP is a proposed above-ground 500 kV AC transmission line stretching over 500 miles between southern Idaho and southern Nevada. As much as 1,850 MW of north-to-south transmission capacity and 1,850 MW of south-to-north transmission capacity will be available for purchase during the Open Season.

The SWIP will provide a new energy pathway connecting the existing high voltage transmission infrastructure near Twin Falls, Idaho and the existing systems in northern Nevada and the Las Vegas area. It will provide direct interconnection and/or viable access to multiple transmission providers in the West which may include Arizona Public Service, Idaho Power, Los Angeles Dept. of Water and Power, Nevada Power (NV Energy), PacifiCorp, Salt River Project, Sierra Pacific Power (NV Energy), Southern California Edison, and Western Area Power Administration.

The SWIP is being developed in phases and is well advanced such that the first phase connecting southern Nevada with northern Nevada is expected to begin construction in 2009 and achieve commercial operation as early as 2010.

GBT is developing the SWIP in response to the growing needs of the Desert Southwest and the Northwest. The SWIP will also provide an important pathway for renewable energy resources to reach major load centers.

GBT will conduct the Open Season in a transparent and nondiscriminatory manner. Entities wishing to secure long-term point-to-point transmission rights on the SWIP may submit proposals for consideration. To ensure a fair and open process, generation affiliates of GBT will not submit proposals in the Open Season.

For more details regarding the SWIP and the Open Season please visit the dedicated website at: <http://www.SWIPOS.com>. Any party interested in participating in the Open Season is encouraged to

register at the website to ensure they receive all communications related to the Open Season. Questions may be submitted via email at SWIP@SWIPOS.com.

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 Renewables, Tennessee Valley Authority (January 16)

The Tennessee Valley Authority seeks up to 2,000 MW of eligible Renewable Energy and/or Clean Energy Resources (1 MW or greater) and the associated environmental attributes. TVA is interested in Power Purchase Agreement offers of 1 to 20 years in duration. Responses due 1/16/09.

For more info, go to: <http://apps3.eere.energy.gov/greenpower/financial/>. (Green Power Network 12/9/09)

RFI for Renewables, Multi-States, World Resources Institute (January 23)

The World Resources Institute has issued a Request for Information for long-term renewable energy contracts providing hedge value to large commercial and industrial customers. WRI seeks expressions of interest from potential energy suppliers to provide commercial and/or industrial customers with renewable power in CT, DE, D.C., IL, IN, ME, MD, MA, MI, NH, NJ, NY, PA, RI, TX, VT, or VA. Results may lead to negotiations for long-term contracts. Responses due 1/23/09.

For more info, go to: <http://www.wri.org/stories/2008/12/hedging-energy-prices-renewable-power>. (Green Power Network 12/1/08)

RFP for Sustainability for the 7th Generation - Region 5, U.S. EPA (January 23)

The U.S. Environmental Protection Agency, Region 5, requests proposals from federally recognized Tribal governments and Tribal consortia for the Sustainability for the 7th Generation Initiative (SGI). SGI supports the development of activities to help reduce emissions and promote sustainability with the goal of cleaner and healthier air. The long-term goal of the SGI is to help Tribal communities build self-sustaining, Tribal community-based partnerships that will continue to achieve positive environmental impacts, livability/cultural preservation, and economic development benefits for many generations to come. Projects must take place in Region 5 which includes IL, IN, MI, MN, OH, and WI. \$100K expected to be available, up to 2 awards anticipated. Responses due 1/23/09.

For more info, contact Yvonne Johnson at Johnson.yvonne@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-OAQPS-09-01. (Grants.gov 12/5/08)

RFP for Renewables – Michigan, Detroit Edison (January 23)

Detroit Edison seeks up to 250,000 MWh of eligible Renewable Energy Certificates and/or Advanced Cleaner Energy Credits from existing Michigan facilities to meet Michigan RPS requirements. Responses due 1/23/09.

For more info, go to: <http://dteenergy.mediaroom.com/index.php?s=43&item=373>. (Green Power Network 12/24/08)

RFP for Renewables Research, California Energy Commission (January 30)

The California Energy Commission requests proposals for Renewable Based Energy Secure Communities RD&D. Objectives of this RFP include but are not limited to: Making improvements at existing renewable energy facilities to provide peak capacity and increased reliability; expanding renewable distributed generation technologies to help provide electric generation in high-demand, high-congestion areas; developing renewable energy technologies, products, and services that provide more affordable electricity

and reliability; and conducting longer term research on advanced renewable technologies that will help meet tomorrow's electricity needs. Responses due 1/30/09.

For more info, go to: <http://www.energy.ca.gov/contracts/pier.html>. Refer to PON# 08-004.

RFP for Geothermal Resource Evaluation, City of Glenwood Springs, CO (January 30)

The City of Glenwood Springs is evaluating options to derive beneficial uses of the geothermal resources located under and near the City for the benefit of its citizens. This first phase of work is focused on examining the technical aspects of the options and determining the estimated relative costs of those options. The City understands there are legal considerations with developing these options and would like the selected party to identify the legal issues associated with the options but not address them at this time. If the recommended options to be pursued are predicated on any assumptions concerning ownership or water use, they must be enumerated in the final report. Funding for this first phase of analysis has been budgeted to a maximum of \$75,000 by the City Council. Additional funding may be available from other sources such as grants. Proposers may wish to assist the City in obtaining outside funds (e.g. grants, rebates, incentives, subsidies, etc.) that may increase the budget and scope for this phase of study.

Questions which arise during the response preparation period regarding issues around this Solicitation, purchasing and/or award should be directed, in writing, via fax, email or U.S. mail, to Ricky Smith, Purchasing Agent, Purchasing Department, City of Glenwood Springs, 101 West 8th Street, Glenwood Springs, Colorado 81601, rdsmith@ci.glenwood-springs.co.us, fax number 970-945-4388. Questions regarding the Scope of Work should be directed to: Mr. Robin Millyard, Public Works Director, City of Glenwood Springs, 101 West 8th Street, Glenwood Springs, CO 81601, Phone-970-384-6409, Fax-970-945-8582

RFP for Development of Poncha Hot Springs, City of Salida, CO (January 30)

RFP# 2008-001, Proposal for: The City of Salida ("the City") owns approximately 145 acres south of Poncha Springs, CO commonly known as "Poncha Hot Springs" (the Property). The City is seeking proposals for the development of the Property, including the geothermal hot springs present at this site for the benefit of the communities of Salida and Poncha Springs, both within Chaffee County under a lease arrangement. RFP# Closing Date & Time: January 30, 2009 at 4:00 PM.

Instruction to Proposers: Proposals are solicited from experienced developers whose ability to finance the project is a requirement. Please submit a resume of qualifications and relevant experience with proposals. Proposers will be judged by the quality and completeness of the package of offerings. All associated aspects which are standard considerations in analysis of a successful land development shall be addressed, including but not limited to design and development of structures, infrastructure, market study, pro forma financials, etc. In addition, the City wishes the development to match its priorities with regard to sustainable building, increasing outdoor recreational opportunities, attracting visitors to the area, and complimenting the existing Salida Hot Springs Aquatic Center.

Purpose: To develop the Poncha Hot Springs property utilizing the inherent assets of the property to their fullest capacities. Some of the issues which should be addressed include, but are not limited to:

- Use of the geothermal springs sourced on the Property
- Ingress / Egress of the Property
- Project infrastructure including utilities, wastewater treatment, roads, parking, communications, pedestrian pathways, signage
- Geotechnical / Environmental Reports
- Site Considerations and Proposed Highest and Best Use Concept
- Project Feasibility via Market Study

Contact Information: For information about this RFP, please contact Mike Copp, Interim City Administrator at administrator@cityofsalida.com.
Delivery Information: to Mike Copp, City Hall, 124 E Street, P.O. Box 417, Salida, CO 81201 by 4:00 PM, January 30, 2009.

RFP for National Geothermal Database, U.S. DOE (February 3)

The U.S. Department of Energy requests proposals for the National Geothermal Database Grant. Through this RFP, DOE seeks the creation of a web-based National Geothermal Database that will serve as a central repository for all publicly accessible geothermal data. \$5 million expected to be available, 1 award anticipated. Responses due 2/3/09.

For more info, contact Pete Simon at GO.Geothermal@go.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/7CAC4E5E3DA165D9852574D30071183E?OpenDocument>. Refer to Sol# DE-PS36-08GO98020. (Grants.gov 9/29/08)

RFP for Electric Efficiency Research, California Energy Commission (February 4)

The California Energy Commission requests proposals for Energy Innovations Small Grant Program (EISG) – Electricity Program, to conduct research that establishes the feasibility of new, innovative energy concepts. Project must address one of the following research 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. EISG provides \$95K for hardware projects and \$50K for modeling projects. Responses due 2/4/09.

For more info, go to: http://www.energy.ca.gov/contracts/smallgrant/08-03_electricity/index.html. Refer to Sol# 08-03.

Request for Renewables, Municipal Energy Agency of Nebraska (February 6)

The Municipal Energy Agency of Nebraska seeks up to 30 MW of long term wind energy resources and associated environmental attributes by the end of 2009 and will consider 2010 projects. The wind projects must interconnect on the Public Service of Colorado or the Rocky Mountain Region transmission system of Western Area Power Administration. Responses due 2/6/09.

For more info, go to: <http://www.nmppenergy.org/mean/>. (Green Power Network 12/1/08)

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>.

RFP for Renewables, Oklahoma Gas and Electric (February 27)

The Oklahoma Gas and Electric Company seeks 300 MW of eligible wind energy resources that will be interconnected to the Southwest Power Pool and operational by 12/31/10. Notice of Intent to Bid due 2/9/09, final proposals due 2/27/09.

For more info, go to: <http://www.oge.com/es/rfp/wind2008-rfp.asp>. (Green Power Network 12/10/08)

RFP for Alternative Fuels & Clean Cities, U.S. DOE (February 27)

The U.S. Department of Energy requests proposals for Clean Cities FY 09 Petroleum Reduction Technologies Projects for Transportation Sector, for projects covering a range of alternative fuel and transportation-related technology deployment and educational activities. Areas of interest include: 1) Refueling Infrastructure for Alternative Fuels, 2) Incremental Costs of Dedicated Alternative Fuel Vehicles, and 3) Education and Outreach Workshops for Petroleum Reduction Fuels and Technologies. Up to \$6 million expected to be available, up to 24 awards anticipated. Responses due 2/27/09.

For more info, contact Janet Laukaitis at janet.laukaitis@netl.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/0ba000b968a07c9885256c3f0067b90d/1a2666e72e53ddbe85257527005b80df?OpenDocument>. Refer to Sol# DE-PS26-09NT01236-00.

RFP for Environmental Sustainability, National Science Foundation (March 1)

The National Science Foundation requests proposals for the Environmental Sustainability Program. This program supports engineering research that seeks to balance society’s need to provide ecological protection and maintain stable economic conditions. The four principal research areas include: Industrial Ecology, Green Engineering, Ecological Engineering, and Earth Systems Engineering. Responses due 3/1/09.

For more info, contact Bruce Hamilton at bhamilto@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027. Refer to Sol# PD-09-7643. (Grants.gov 12/5/08)

RFP for Environmental Implications of Emerging Technologies, National Science Foundation (March 1)

The National Science Foundation requests proposals for the Environmental Implications of Emerging Technologies Program. This program provides support to develop and test the environmental effects of new technologies and emphasizes engineering principles underlying technology impacts. Innovative production processes, waste reduction, recycling, and industrial ecology technologies are of particular interest. Responses due 3/1/09.

For more info, contact Paul Bishop at pbishop@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030. Refer to Sol# PD-09-1179. (Grants.gov 12/5/08)

RFP for Community Action for a Renewed Environment, U.S. EPA (March 16)

The U.S. Environmental Protection Agency requests proposals for the Community Action for a Renewed Environment (CARE) program. CARE is a community-based, community-driven, multimedia demonstration program designed to help communities understand and reduce risks due to toxic pollutants and environmental concerns from all sources. \$3 million expected to be available, up to 18 awards anticipated. Responses due 3/16/09.

For more info, contact Dennis O'Connor at oconnor.dennis@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-IO-09-02. (Grants.gov 12/17/08)

RFP for Combined Heat and Power, California Energy Commission (March 19)

The California Energy Commission requests proposals for the Combined Heat and Power and Combined Cooling, Heating, and Power Grant Solicitation. Through this RFP, the CEC seeks RD&D projects that will advance the science, technology, and market penetration in CA of grid-connected, Combined Heat and Power (CHP) systems, which are closely integrated with prime movers (engines, turbines, and fuel cells). Proposals due 3/19/09.

For more info, go to: <http://www.energy.ca.gov/contracts/pier.html>. Refer to PON# 08-005.

Upcoming Events

Featured Event: 2009 Green Inaugural Ball, January 19 (Washington, DC)

Smithsonian American Art Museum and National Portrait Gallery and the 2009 Green Inaugural Ball Host Committee Present 2009 Green Inaugural Ball, honoring President-elect Barack Obama and Michelle Obama and Vice-President-elect Joseph Biden and Jill Biden, with Honorary Chair Former Vice President Al Gore.

Hosted by the American Wind Energy Association (AWEA) and the Solar Energy Industries Association this ball will ring in a new administration for 2009. The Geothermal Energy Association is one of the Host Committees for this event, which will be held on January 19, 2009, at the Donald W. Reynolds Center for American Art and Portraiture in Washington, DC. Tickets will be available for purchase in late December 2008. Please visit www.GreenBall2009.org for more information, or email

GreenBallInfo@WebsterConsulting.com. If you are interested in sponsorship, please contact Bree Raum at 202-383-2513 or email braum@awea.org and mention that you received this information from GEA.

Next Generation Energy Network, February 4, The Harvard Club (New York City)

NextGen presents a networking event for your professionals in energy and commodities featuring Karl Gawell, GEA's Executive Director, as keynote speaker – 7pm cocktails, 8pm speaker. Please RSVP to nextgenRSVP@gmail.com.

Ground Engineering Geothermal Energy, February 5 (London, England)

Ground Engineering Geothermal Energy: Unlocking opportunities, collaborating across disciplines and understanding what works

Thursday 5th February 2009, Earls Court Conference Centre, London SW5

Explore latest approaches to harnessing ground source energy and learn from the experiences others have had in this growing sector. Capitalize on the opportunity to position your firm ahead of the competition and attract new clients to the services you offer.

Key speakers include:

- Duncan Nicholson, Director, Arup
- Aleksandra Sasha Krstanovic, Regional Director, Faber Maunsell
- Brian Mark, Director of Sustainability, Fulcrum Consulting
- Peter Smith, Geothermal Manager, Cementation Skanska
- Dr Robin Curtis, Technical Director, Earth Energy Ltd

Register today to:

- Build relationships in this sector
- Get technical information on the building services and geotechnical challenges of ground source energy
- Hear from leading players within the geothermal field

For more information visit www.gegethormal.co.uk, call 0845 056 8069 or email constructconferences@emap.com. Quote "GEA" when you register

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>.

GeoFund–IGA Geothermal Workshop, February 16–19, 2009 (Istanbul, Turkey)

Partnership International, Inc would like to invite you to the GeoFund - IGA Geothermal Workshop in partnership with the IGA (International Geothermal Association) and the World Bank this February 16-19, 2009 at the President Hotel in the heart of old-city Istanbul, Turkey.

The goal of the Workshop is to educate participant and thereby enable geothermal development via World Bank and IFC GeoFund as well as private sector financing. These GeoFunds will enable the develop of bankable geothermal existing and greenfield projects, and help mitigate the risk of explorations in Europe Central Asia region. As outlined by the World Bank's GeoFund initiative, the workshop aims to help educate participants on how to secure these funds for geothermal developments in 2009:

Direct Investment: GeoFund, via the World Bank, will support selected project developers by providing low cost loans, contingent grants and outright grants which would cover part of the project cost through monetization of external benefits. GeoFund via the IFC, the GeoFund will help improve the performance of existing geothermal installations through renovation of existing facilities, and will support bankable business plans greenfield facilities where the resources are promising.

Geological Risk Insurance Window: GeoFund will partially insure project developers/investors against the short-term and medium-term geological risks. This insurance will help mitigate the risks associated with geothermal energy exploration.

For more information, please see that attached Application, or visit the website: <http://www.partnership-international.com/GeothermalEnergy.php>.

If you are interested in a Best Practice Geothermal Kiosk please visit the website: http://www.partnership-international.com/Geothermal_Kiosk.php.

For information on being a Corporate Sponsor in the workshop – please contract Tracy Mathieu for further information: <http://www.partnership-international.com/GeothermalSponsors.php>.

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/>.

New Date: Canadian Geothermal Energy Association Conference and AGM, April 22–24, 2009, (Vancouver, B.C.)

The Canadian Geothermal Energy Association (CanGEA) announces their Workshop, Tradeshow, Conference and AGM on April 22–24, 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/>.

Featured Event: GEA Project Showcase, Newseum, May 6, 2009 (Washington, DC)

GEA will be inviting the DC energy policy and technology community to see geothermal energy projects under development in the West at the Newseum in Washington DC. Leading geothermal companies in the U.S. will show their new geothermal projects either near completion or just coming online. Companies will share footage (video or stills) and talk about their projects. A panel discussion with moderator is also expected to be part of this half-day event. For more information contact Kathy Kent at kathy@geo-energy.org.

Featured Event: GEA Geothermal Finance and Development Workshop, Washington Convention and Trade Center, June 3, 2009 (Seattle, WA)

GEA will hold its next in a highly successful series of Finance and Development Workshops in Seattle, WA on June 3. The agenda of this workshop will include a U.S. Geothermal update, panel of project developers, technology panel, finance panel, community/environmental panel, tribal and power company perspectives, keynote presentations by the Mayor of Seattle and other notable invitees. While encompassing development across the U.S., some presentations will focus on the Pacific Northwest. This event will be promoted nationwide and to the media. For more information contact Kathy Kent at kathy@geo-energy.org.

Featured Event: GEA Direct Use/Small Power Finance Workshop, Oregon Institute of Technology (OIT), August 12-13, 2009 (Klamath Falls, OR)

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



GEA 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