



# GEO THERMAL ENERGY ASSOCIATION

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## **National News**

### **Clinton Challenges America to be Clean Energy Model at Las Vegas Conference**

Former President Bill Clinton spoke on Monday at the National Clean Energy Conference in Las Vegas, Nevada, hosted by Sen. Harry Reid, D-Nev. He spoke to a crowd of over 500 people, challenging them and all Americans to turn Nevada and the country into a clean energy model for the world, according to the *Las Vegas Review-Journal*.

Clinton’s address came on the first day of the conference. Oilman T. Boone Pickens, New York Mayor Michael Bloomberg, and others were scheduled to speak on Tuesday.

Clinton called for tax incentives for wind, solar, geothermal, and biofuel plants, as well as incentives for consumers who choose clean energy options, the article said. He also stressed a new transmission system. He pointed out that success in clean energy requires long-term vision, since the front-end costs are heavy. "But once you build a big, solar thermal plant or once you put the photo voltaic cells on your roof, it only costs after that 2 to 3 cents per kilowatt hour," he said.

A *Las Vegas Sun* article also reported on the event. That article focused on Clinton’s challenge toward Nevadans in particular to become the nation’s leader in renewable energy.

Three years ago, the article said, Clinton issued a challenge to Nevada business leaders to make the state a mecca for renewable energy companies. Since then, of the world’s largest solar plants have opened in Southern Nevada. This year the state was number one in solar and geothermal power sold per capita, according to the article. These and other evidence support Nevada’s energy-conscious potential as a state. Clinton’s speech served as a pep talk to refocus the state, from its leaders to its consumers, on the goals in place.

Visit <http://www.lvrj.com/news/27123054.html> and <http://www.lasvegassun.com/news/2008/aug/19/three-years-later-challenge-renewed/>.

### **Google to Fund Geothermal Technologies and University Grant**

Google has announced \$10 million investment in two geothermal companies and a university grant to study geothermal resources, according to CNet News.com.

AltaRock Energy and Potter Drilling, who both focus specifically on enhanced geothermal systems (EGS), will use the Google.org funding to facilitate current projects in technology advancement. AltaRock Energy will use their \$6.25 million in plans to launch an EGS pilot project, while \$4 million will go toward Potter Drilling in designing drilling products for hard-rock environments. Southern Methodist University's Geothermal Lab will receive a \$489,521 grant. This will be used to study the size and distribution of geothermal energy resources in North America.

Dan Reicher, director of climate and energy initiatives for Google.org, said in a statement that EGS technology "hasn't received the attention it merits." Google.org wants to see more policies and commercial investment to encourage EGS development, and has also been in discussions with Israeli geothermal company Ormat Technologies, according to the article.

Visit [http://news.cnet.com/8301-11128\\_3-10020038-54.html?hhTest=1](http://news.cnet.com/8301-11128_3-10020038-54.html?hhTest=1).

## **Company News**

### **Ormat: Alternative Energy Funds Expert Plugs Geothermal**

The *Christian Science Monitor* recently interviewed Carey Callaghan, co-portfolio manager of American Trust's Energy Alternatives Fund, about investing in U.S. alternative energy companies.

Callaghan included geothermal energy as an advantage to the U.S., and named Ormat Technologies as a company that stands out. "This is the leading geothermal company, primarily in places, as you might imagine, like California and Nevada. They are set to expand their capacity by two-thirds in the next two years. So it's a remarkable expansion in capacity. And they have a development pipeline beyond that," Callaghan told the paper.

Visit <http://www.csmonitor.com/2008/0811/p14s03-wmgn.html>.

### **Raser Technologies: Second Quarter Results Posted**

Press Release Highlights—August 11, [Raser Technologies, Inc. Announces Second Quarter Financial Results](#)

Raser Technologies, Inc. (NYSE Arca: RZ) today announced financial results for the second quarter ended June 30, 2008 and provided an update on its progress in executing its strategic business plan.

Revenue for the second quarter was \$5,880, a decrease from \$28,562 in the second quarter of 2007. Revenue in the prior year was primarily the result of work on the ARINC subcontract for the U.S. Army. This subcontract was completed in the first quarter of 2008.

Total operating expenses were \$6.5 million during the second quarter of 2008 compared to \$3.5 million in the same period for the prior year. The increase was primarily the result of increased development costs of Raser's geothermal projects, and includes non-cash equity compensation expense of \$0.9 million. The increase also included \$1.8 million of increased legal costs, professional services and certain other structuring costs, a significant portion of which are not expected to recur in future periods. The Company's net loss applicable to common stockholders was \$7.4 million, or \$0.13 basic and fully diluted loss per share, for the second quarter of 2008 compared to a net loss of \$3.2 million, or \$0.06 basic and fully diluted loss per share, for the second quarter of 2007.

Raser has initiated the development of eight geothermal power projects to date. During the second quarter of 2008 and early part of the third quarter, Raser continued its development of these projects, secured an additional power purchase agreement (PPA) with a production tax credit (PTC) extension backstop, completed a third party analysis of the geothermal resource at the Thermo project and took delivery of UTC

Power geothermal power generating units. The Company made progress in its efforts to monetize its geothermal assets.

*The complete release and other releases from Raser are found at <http://www.rasertech.com/news.php>.*

### **ThermaSource: Company Growth Attracts Attention**

An article on [pressdemocrat.com](http://pressdemocrat.com) featured ThermaSource, the geothermal drilling company, in light of recent success in financing. Last week, the company announced it had completed a \$41.5 million funding round first disclosed last May.

The article quoted Lou Capuano, ThermaSource's chief executive. "We're trying to be a one-stop shop for geothermal development," he said. "We see opportunities out there. We may expand even more."

*Visit <http://www1.pressdemocrat.com/article/20080814/NEWS07/808140384/1036>.*

### **U.S. Geothermal: Company Recommended by Stock Analyst**

An article on [altenergystocks.com](http://altenergystocks.com) called U.S. Geothermal, Inc. "as solid a company as could be expected from an early stage resource development company." The author added, "If you do want to venture beyond Ormat to buy a few geothermal exploration companies, HTM should be on your short list. While it may not have the price growth potential of companies which do not yet have U.S. listings, it is also relatively less risky due to the relatively high quality of the projects the company is pursuing."

The author called geothermal power a "baseload, extremely reliable power" that "fits easily into utilities existing grids, making it a popular source of green power, especially with utilities uncomfortable with the intermittent and difficult to predict nature of wind and solar."

The author recommended a portfolio approach to buying holdings in geothermal companies.

*Visit [http://www.altenergystocks.com/archives/2008/08/us\\_geothermal\\_inc\\_amex\\_htm\\_1.html](http://www.altenergystocks.com/archives/2008/08/us_geothermal_inc_amex_htm_1.html).*

## **Renewable and Climate Change News**

### **Mid-Year Figures Show Surge in U.S. Renewable Energy**

An article from the *Worldwatch Institute* took a look at mid-year figures in U.S. renewable energy. The markets surged "despite uncertainty over federal tax credits and a sluggish national economy," the article said. At least 17,000 MW of wind, solar, and geothermal are now under construction, and renewable energy will account for one-third of new electricity generation added to the U.S. grid in the coming three years, according to the figures.

On geothermal energy, the article said it is expanding, though at a slower rate than wind. Citing GEA's recent industry update report, nearly 3,000 MW is currently on-line and about 4,000 MW is under development, the article said, and mentioned the record \$28.2 million of leases sold for geothermal energy exploration at the BLM sale in Nevada last week.

*Visit <http://www.worldwatch.org/node/5855>.*

## **Oklahoma-Based Engineers Help Chinese Install Geothermal Systems for Olympics**

China's National Stadium, home to the Olympics opening ceremonies, runs on a geothermal heating system exported from Oklahoma, according to newsok.com. The Chinese are embracing geothermal heating, the article said, and have formed a Chapter of OSU's International Ground Source Heat Pump Association.

Phil Schoen, president of Geo-Enterprises, worked with the engineers who installed the system in Beijing last fall. He has conducted a training seminar attended by 70 Chinese companies and members of government.

"They want to drive technologies away from coal," Schoen said. "They looked at themselves and saw they have a major pollution problem." Schoen told press that the Chinese were driving forward with geothermal installations, and that the Olympics had motivated them.

Visit <http://newsok.com/oklahoma-engineers-helped-chinese-warm-up-to-geothermal-power-at-olympics/article/3283852/?tm=1218769959>.

## **Chicago Tribune Article Discusses Geothermal Electricity and Heat Systems**

An article in the *Chicago Tribune* described the growth of geothermal power in America as "steady but largely unnoticed," and gave a clear picture of the current state of both heating/cooling systems and geothermal power plants.

The article quoted GEA's executive director, Karl Gawell, who explained that geothermal resources are largely untapped because of the initial cost, but that in the long run the decision is cost effective. "It's like deciding between two cars, one that costs \$10,000 and one that costs \$35,000," he said. "But the \$35,000 car comes with a lifetime supply of gas. Now that energy prices are high, people are beginning to think about what they pay for fuel."

Maureen Burnley, head of finance and operations at the General Theological Seminary, talked with the paper about the seminary's current geothermal heating project. The institution, which is the oldest Episcopal seminary in America, is constructing the largest geothermal project on the East Coast, drilling 20 wells to depths of 1,500 feet, according to the article. The system will reduce the seminary's carbon footprint by an estimated 1,400 tons of emissions annually, it stated.

Visit [http://www.chicagotribune.com/features/lifestyle/green/chi-geothermal-swanson\\_11aug11,0,5668626.story](http://www.chicagotribune.com/features/lifestyle/green/chi-geothermal-swanson_11aug11,0,5668626.story).

## **Views on Three Geothermal Enterprises**

An article on istockanalyst.com looks at Stephen Leeb's *The Complete Investor*, which analyzed three plays on geothermal energy: Chevron (NYSE: CVX), Calpine (NYSE: CPN), and Ormat Technologies (NYSE: ORA).

On Chevron, the analysts said, "While oil, of course, is its main focus, Chevron is the world's largest geothermal energy producer, with facilities that include two plants in Indonesia and two in the Philippines. The company's huge capital base gives it the wherewithal to fund continued research and installations."

They called Calpine Corp. "a riskier play," describing how "its aggressive leveraged expansion efforts foundered in the wake of California's energy crisis of the early 2000s and Enron's collapse," leading to bankruptcy. But earlier this year the company came out of bankruptcy to reclaim its position as "the primary producer of geothermal energy in North America."

Finally, Ormat was referred to as “the pure-play geothermal company with the best-defined growth prospects.” In addition, “Ormat is a leader not only in geothermal energy but also in 'recovered energy power generation', which refers to the capturing of waste heat generated from industrial processes and converting it into electricity,” said the analysts.

Visit [http://www.istockanalyst.com/article/viewarticle+articleid\\_2508945.html](http://www.istockanalyst.com/article/viewarticle+articleid_2508945.html).

## **Americans Prefer Clean Energy, New Poll Shows**

A new national energy poll shows that Americans prefer investment in renewable energy over increased oil drilling, according to the League of Conservation Voters, who released the poll along with the Sierra Club and the Natural Resources Defense Council Action Fund.

The poll showed that 83% of Americans support a plan to end America’s oil consumption through investment in wind, solar, and next generation biofuel technology, 20% more than supported increased offshore drilling. Also, 80% say America should end investment of billions of dollars in oil subsidies and instead put the money toward renewable sources.

Visit <http://www.lcv.org/newsroom/press-releases/new-poll-shows-that-americans-prefer-clean-energy.html>; to view the poll, visit [http://www.lcv.org/polls/gqr\\_energy.pdf](http://www.lcv.org/polls/gqr_energy.pdf).

## **State News**

### **Nevada: Former Economic Guru Upbeat on State Renewables Options**

Bob Shriver, Nevada's economic development spokesman for nearly a decade, stressed going green as one major theme for current conditions, speaking to an audience of over 60 at a breakfast meeting for Nebraska Business Connections-Capital Region according to kmv.com. "When I was with the state we tried hard to sell energy companies to look at alternatives," he said, but added that now they are going that direction themselves because of high prices on fossil fuels.

According to the article, Shriver particularly talked up geothermal growth. He cited geothermal, solar, and wind as main options for Nevada, while naming biomass as an opportunity for less arid states.

Visit [http://www.krnv.com/Global/story.asp?S=8842299&nav=menu113\\_3](http://www.krnv.com/Global/story.asp?S=8842299&nav=menu113_3).

### **Oregon: OIT Geo-Heat Center Eager for Geothermal Electricity**

An article on *OPB News* reports on Oregon’s potential geothermal electricity generation and buzz of current projects taking place at the Oregon Institute of Technology. The campus in Klamath Falls plans to become the world’s first campus fully heated and powered by geothermal energy.

Toni Boyd, assistant director at OIT’s Geo-Heat Center, told press the heating system saves the campus \$500,000 a year. With the addition of geothermal energy production it will be even more. “For the renewable energy program, there is actually a geothermal course that they have to take,” Boyd said. “When we get our power plant on campus, too, you can actually monitor it online.”

Visit <http://news.opb.org/article/2781-geothermal-could-boost-oregons-energy-business/>.

## **International News**

### **Australia: Petratherm Project Equal with Wind Costs**

Petratherm, the Australian geothermal company, announced the completion of a cost assessment of wind versus geothermal that showed the company's Paralana project in South Australia would compete almost equally with wind power, according to [businessinspector.com](http://businessinspector.com).

Terry Kallis, Managing director, said the cost per megawatt of installed capacity for the 30-MW project was about \$6 million per megawatt. "Although wind power costs about \$2 million per megawatt of installed capacity for an equivalent 30-MW project, it would typically only operate for about a third of the time, producing about 87 gigawatt hours annually," he added.

The Paralana joint venture should begin drilling late this year or early 2009.

Visit <http://www.businessinspector.com.au/bs.nsf/Article/Petratherms-Paralana-promise-HM9KJ?OpenDocument>.

### **Australia: Exploration Companies Moving Toward Grants in Queensland**

Mines and Energy Minister Geoff Wilson of Queensland told press that with over 15,000 km<sup>2</sup> of land available for geothermal energy, Queensland is placed well for explorers to capitalize on the energy resource, according to [media-newswire.com](http://media-newswire.com). "We're home to most of Australia's hot rocks," he said. "It's in keeping with our Smart Energy policy to source more electricity generation from renewable energy sources."

"Initial estimates show that the hot dry rocks beneath the Eromanga and Cooper basins could meet all of Australia's energy needs for many years into the future," Wilson added.

The Minister said that 10 companies have had their applications moved on to the next level towards grants. In May, the first-ever Exploration Permit for geothermal energy exploration in Queensland was granted to Granite Power Ltd. More than \$188 million has been invested in geothermal research in Queensland, the article said.

Visit [http://media-newswire.com/release\\_1070911.html](http://media-newswire.com/release_1070911.html).

### **France: Reunion Island Aims for Zero CO<sub>2</sub> by 2025**

France's Reunion island has set a goal to reduce greenhouse gas emissions to zero by 2025, according to *Reuters*. Currently, the island already gets 36% of its energy from renewable sources, mostly hydroenergy and sugar cane fiber, bagasse, the article said.

While the island does not have any current geothermal production, scientists are testing possibilities at La Piton de la Fournaise, one of the world's most active volcanoes, located on the island.

The announcement came after Group of Eight (G8) leaders announced plans for a 50% cut in carbon dioxide (CO<sub>2</sub>) emissions by 2050. "We have water, sunshine, we even have an active volcano. We have more energy than we need for our development," Paul Verges, president of Reunion's regional council, told press.

Visit <http://www.reuters.com/article/inDepthNews/idUSL146633820080814>.

## **Indonesia: President Outlines Plan to Solve Power Crisis**

Indonesia has been hit with a power crisis in recent years, despite its bountiful resources, according to ap.google.com. President Susilo Bambang Yudhoyono outlined plans to develop alternative energy and expands electricity capacity in his annual State of the Union address to Parliament last week.

Facing public protests due to increased fuel prices, Yodhoyono wants to increase the electricity supply by more than 30% by 2011 by adding 10,000 MW to the national power grid. He plans to use renewable energy such as micro-hydro power, biofuel, and geothermal. Indonesia has largest geothermal resource base in the world, with an estimated potential of 21,000 MW, the article said.

Yodhoyono said construction of new power plants would be open to public tender to create "the widest possible opportunity to private companies to participate in the construction and operation."

Visit <http://ap.google.com/article/ALeqM5hCRw8oawGBYmUdO4JeG5btD4Z4UwD92IH8PO0>.

## **Kenya: Government to Fund Geothermal Project**

Kenya's Ministry of Energy will fund a US\$72 million project on geothermal wells in Menengai Crater, according to allafrica.com. The area has an estimated 740 MW of geothermal potential.

KenGen was commissioned to produce an Environmental Impact Assessment study on the wells, and proposes to drill three wells for exploration, six for appraisal, and 27 for production. The government seeks testing to prove sources for a 140-MW power plant to be commissioned in 2013.

Kenya has rich potential for geothermal energy, which currently contributes about 20% of energy to the national grid.

Visit <http://allafrica.com/stories/200808180035.html>.

## **Philippines: Update on Mt. Kanlaon Conflict**

A conflict over geothermal power development in Negros Occidental continues on, according to the Philippines' inquirer.net. The Department of Energy, Department of Environment and Natural Resources and the provincial government approved the Energy Development Corp. geothermal development in the face of a power shortage. Bacolod Bishop Vicente Navarra and the Save Mt. Kanlaon Coalition oppose the development, saying it will harm the environment.

Businesses and much of the local population are supporting the development, since they have been suffering from the power shortage. "We needed the additional power two years ago, we have no more reserves," says Roberto Montelibano, president of the Metro Bacolod Chamber of Commerce and Industry and the Central Negros Electric Cooperative, according to the article. Also, the EDC has been planting trees to replace the ones it is taking down, the article said.

Environmentalists are worried about the habitat of several protected species.

Visit <http://newsinfo.inquirer.net/inquirerheadlines/regions/view/20080816-154998/Battle-over-geothermal-power-simmers>.

## **Turkey: Geothermal Auctions in the Works**

Turkey will auction 65 sites for geothermal use, said Energy Minister Hilmi Guler, according to hurriyet.com. Guler told press that the sales will contribute to Turkey's efforts to cut down on foreign energy sources. Bidding on six areas in the southwestern part of the country is expected to begin in September or October.

Visit <http://www.hurriyet.com.tr/english/finance/9689401.asp?gid=244&sz=43127>.

## **Notices and Employment Opportunities**

### **Nominations for Platt Global Energy Awards Due September 12**

2008 marks the tenth birthday of the Platts Global Energy Awards—ten years in which the Awards have grown in stature, evolved in quality, and come to be recognized by the energy industry at large as the hallmarks of excellence, the prizes everyone wants to win. The number of awards has grown steadily over the past ten years, from around fourteen annual awards to eighteen today.

Nominations are due before September 12, 2008. Nominate today at: [www.globalenergyawards.com](http://www.globalenergyawards.com)

### **Truckhaven Geothermal Leasing Area ROD Available, BLM**

Notice of Availability of Record of Decision for the Truckhaven Geothermal Leasing Area Final Environmental Impact Statement, California AGENCY: Bureau of Land Management, Interior.

The BLM has announced the availability of the Record of Decision (ROD) for the Truckhaven Geothermal Leasing Area, Imperial County, managed by the El Centro Field Office. The El Centro Field Manager has signed the ROD, which constitutes the final decision of the BLM.

The appeal period will end 30 days after publication of this notice (Friday, August 1, 2008) in accordance with 43 CFR 4.411(a).

Copies of the ROD are available upon request from the Field Manager, El Centro Field Office, Bureau of Land Management, 1661 S. 4th Street, El Centro, CA 92243 or via the Internet at <http://www.ca.blm.gov/elcentro>. Copies of the ROD are available for public inspection at the following locations:

- Bureau of Land Management, California State Office, 2800 Cottage Way, Suite W-1834, Sacramento, CA 95825.
- Bureau of Land Management, El Centro Field Office, 1661 S. 4th Street, El Centro, CA 92243.
- Bureau of Land Management, California Desert District, 22835 Calle San Juan De Los Lagos, Moreno Valley, CA 92553.

For Further Information Contact: John Dalton, Truckhaven Geothermal Leasing Area EIS Project Manager, at (951) 691-5200, Bureau of Land Management, 22835 Calle San Juan De Los Lagos, Moreno Valley, CA 92553; [john\\_dalton@ca.blm.gov](mailto:john_dalton@ca.blm.gov).

Supplementary Information: The Truckhaven Geothermal Leasing Area encompasses approximately 14,731 acres of Federal minerals in western Imperial County, California, north of State Route 78 and generally west and south of County Highway S-22. The area is part of the California Desert Conservation Area. The main issues addressed in the Final EIS were geothermal resource leasing, recreation, and special status species. Three alternatives were analyzed in the Final EIS: (1) No action, which would not lease any geothermal resources; (2) leasing only lands with existing noncompetitive lease applications; and (3) the

proposed action, which would offer all BLM managed lands within this area for lease, subject to certain stipulations and mitigation measures to be applied either at lease issuance or at the development stage.

After careful consideration of all factors, including balancing the need for renewable energy, the need to protect biological, cultural and visual values, and the need to maintain areas for recreational opportunities associated with the Ocotillo Wells State Vehicle Recreation Area, the BLM has selected Alternative 3 as the preferred alternative. Some areas will be required by stipulation to unitize as appropriate in order to consolidate production facilities and, thereby, minimize surface impacts. Two power plants are anticipated to be constructed within the planning area, which would involve an initial disturbance of approximately 502 acres. Following construction, approximately 95 acres would be reclaimed, leaving approximately 405 acres disturbed by roads, well pads, pipelines, and the two plants. Various site-specific Conditions of Approval will be imposed at the development stage to protect other resources and uses.

Comments on the Truckhaven Geothermal Leasing Area Draft EIS received from the public and via internal BLM review were incorporated into the Final EIS. These comments resulted in corrections, clarifying text, and the addition of new data used in the analysis of impacts. The Final EIS Truckhaven Geothermal Leasing Area addresses comprehensive, long-range decisions for the use and management of geothermal resources in the planning area and management of other resources and uses potentially affected by geothermal resource management decisions. The ROD for this project addresses only BLM's decisions for public lands and resources administered by BLM.

Truckhaven Geothermal Record of Decision:  
<http://www.blm.gov/ca/st/en/fo/elcentro/truckhaven.html>

Truckhaven Geothermal Notice of Availability in the Federal Register:  
<http://frwebgate4.access.gpo.gov/cgi-bin/PDFgate.cgi?WAISdocID=620148110373+1+1+0&WAISAction=retrieve>

Truckhaven Geothermal News Announcement:  
[http://www.blm.gov/ca/st/en/info/newsroom/2008/august/CDDNews0860\\_NOA\\_Truckhaven\\_ROD.html](http://www.blm.gov/ca/st/en/info/newsroom/2008/august/CDDNews0860_NOA_Truckhaven_ROD.html)

## **Vice President of Business Development, Ormat Technologies**

Ormat Technologies has an immediate opening for a full time Vice President of Business Development located in Reno, NV. The ideal candidate will 10+ years in sales, marketing and business development in the energy/renewables industry. To apply for the position please send a resume to [Chris@redfishtech.com](mailto:Chris@redfishtech.com).

Position Title: Vice President, Business Development

Department: Business Development

Location: Corporate Office

Reports to: President/COO

Position Summary: The Vice President of Business Development is responsible for overseeing the Business Development function in North America.

### Essential Functions

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

#### Other Responsibilities

- Provide ongoing training and development to business development team to obtain a high level of performance

#### Education, Experience and Skills Required

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

#### Physical Requirements

- In office: walking and standing 20% of the time, seated 75% of the time
- Ability to stand, walk and sit for varied degrees of time associated with travel

### **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. To apply for the position please send a resume to [Chris@redfishtech.com](mailto:Chris@redfishtech.com).

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

## **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](http://www.ncpa.com), submit to NCPA HR, 651 Commerce Dr., Roseville, CA 95678. Open until filled.

## **Release of Forseo's "Investor's Guide to Geothermal Energy" (August)**

“The Investor’s Guide to Geothermal Energy” provides a comprehensive and market driven insight into all important aspects of geothermal business and project development. It serves as a practical reference tool for the financial community, for stakeholders from the industry, and for novices to geothermal energy.

Each project stage, from site identification, exploration, site development, power plant construction to operation and maintenance is looked at from an investor’s point of view, including capital costs & cost affecting factors, financing instruments & incentives, associated risks & risk mitigation tools, geoscientific & technology barriers and solutions, and investment opportunities and market drivers.

Recognized experts and leading geothermal companies are sharing their insight to make this publication the first of its kind. Sterr-Kölln & Partner is the main contributor to the content of the publication. The target groups are investors and lenders, project developers, utilities, consultancies, insurance companies and other market players. The publication is endorsed by the IGA (International Geothermal Association) and SEFI (Sustainable Energy Finance Initiative).

*For more information please contact Birgit Eggl at [birgit.eggl@forseo.de](mailto:birgit.eggl@forseo.de) or visit <http://www.forseo.eu/english/publications/the-investor-s-guide-to-geothermal.html>.*

## **Rio Tinto Alcan and the International Business Leaders Forum, Prize for Sustainability (Responses Due September 12)**

Rio Tinto Alcan and the International Business Leaders Forum seek nominations for the Rio Tinto Alcan Prize for Sustainability. The prize recognizes organizations demonstrating a comprehensive approach to addressing, achieving and further advancing economic, environmental and/or social sustainability. First prize is \$1 million. Responses due 9/12/08.

*For more info, go to: <http://www.alcanprizeforsustainability.com/intro.php>.*

## **Engineering Manager, Western GeoPower, Inc.**

Western GeoPower, Inc. (WGPI) has an immediate opening for a full time Engineering Manager to be located in our Healdsburg, CA office. WGPI is looking for a flexible and entrepreneurial person who can assist in a variety of tasks to grow WGPI into world class renewable power developer/operator. The ideal

candidate will possess 5+ years of technical design, project engineering and operational support in the geothermal power industry. Must have geothermal power and experience working in the Geysers and Salton Sea or similar geothermal field. H2S abatement strategies, steam quality, production/injection systems and plant operations are all a plus.

The Engineering Manager will report to the Operations Manager and be responsible for the following key tasks:

- Technical support for Project Permitting
- Technical oversight of the Detailed Engineering Contract (power plant and gathering system)
- Evaluation of Value Engineering and Technical Betterment Projects
- Technical support for Project Construction issues (technical support for WGP's Construction Manager)
- Technical support for New Development Projects
- Technical support for future Plant Operations, Reporting, Plant Optimization, Environmental Compliance, Safety and Training

*To apply for the position, please send a Word formatted resume to Redfish Technology  
Chris@redfishtech.com.*

## **Requests for Proposals (RFPs)**

### **RFP for Renewable Energy, Tucson Electric Power Co. and UNS Electric (September 5)**

Tucson Electric Power Company and UNS Electric RFP seek up to 150,000 MWh from eligible renewable energy resources and associated credits to meet Arizona's RPS requirements. Responses due 9/5/08.

*For more info, contact Carmine Tilghman at [ctilghman@tep.com](mailto:ctilghman@tep.com) or go to:  
<http://www.uesaz.com/Wholesale/>. (Green Power Network 6/7/08)*

### **RFP for Energy Frontier Research Centers, U.S. DOE (October 1)**

The U.S. Department of Energy requests proposals for Energy Frontier Research Centers (EFRCs) to accelerate the rate of scientific breakthroughs needed to create advanced energy technologies for the 21st century. The EFRCs will pursue the fundamental understanding necessary to meet the global need for abundant, clean, and economical energy. Through this initiative, DOE seeks to bring together the skills and talents of multiple investigators to enable fundamental research of a scope and complexity that would not be possible with the standard individual investigator or small group research project. \$500 million expected to be available, up to 50 awards anticipated.

*Responses due 10/1/08. For more info, contact Emiela Bradford at [emiela.bradford@ch.doe.gov](mailto:emiela.bradford@ch.doe.gov) or go to:  
<https://e-center.doe.gov/iips/faopor.nsf/UNID/933104E42D0185E58525742100694C78?OpenDocument>.  
Refer to Sol# DE-PS02-08ER15944. (Grants.gov 4/4/08)*

### **RFP for Early Stage Clean Energy, New York State Energy Research and Development (October 1)**

The New York State Energy Research and Development Authority requests proposals for Early Stage Support for Developers of Renewable and Clean Energy Technologies. Through this initiative, NYSERDA seeks to create sustainable support networks and infrastructure for early stage renewable and clean energy technology companies and entrepreneurs and provide them with critical opportunities to facilitate partnerships and develop or market products. \$5.77 million expected to be available, individual awards NTE \$1.5 million. Responses due 10/1/08.

For more info, contact Judy Jarnefeld at [jj1@nyserda.org](mailto:jj1@nyserda.org) or go to:  
<http://www.nyserda.org/Funding/1216pon.asp>. Refer to PON# 1216.

### **RFP for Renewable Energy Resources, Public Service Company of New Mexico (October 15)**

PNM issued a request for proposals (RFP) for renewable energy projects on July 18, 2008. The RFP is seeking multiple proposals for wind, solar, geothermal and bio-fuel energy resources. PNM is seeking renewable energy sources that can be available beginning in 2009 and no later than 2011. A pre-bid conference will be held at the PNM downtown office in Albuquerque and via teleconference on July 30, 2008. RFP Responses due October 15.

All inquiries and other communications relating in any manner to this RFP must be directed in writing, by mail, facsimile or email, to the PNM RFP administrator. The questions and corresponding answers (without identification of the party asking the questions) will be emailed to all parties that have provided a Notification of Intent to Respond (“Notification”) to this RFP. Contact information is provided below.

RFP Administrator  
Public Service Company of New Mexico  
Alvarado Square MS 1006  
Albuquerque, N.M., 87158-0001  
Phone: 505-241-4700  
Fax: 505-241-2202  
Email: [renewableRFP@pnm.com](mailto:renewableRFP@pnm.com)

The entire RFP can be found at [http://www.pnm.com/rfp/renewables/docs/rfp\\_renewables.pdf](http://www.pnm.com/rfp/renewables/docs/rfp_renewables.pdf).

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

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

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

### **RFP for Energy Efficiency, Renewable Energy, and Transmission Technologies, DOE (December 31)**

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 United States Department of Energy in support of debt financing for projects in the United States that employ energy efficiency, renewable energy, and advanced transmission and distribution technologies that constitute New or Significantly Improved Technologies. This Solicitation is issued in accordance with the terms and conditions of Title XVII and the Final Regulations. All applicants are encouraged to review and become familiar with the requirements of Title XVII and the Final Regulations, the provisions of which govern this Solicitation; copies of these authorities may be found at <http://www.lgprogram.energy.gov/>.

DOE will make no more than \$10 billion in loan guarantee authority available under this Solicitation for projects employing energy efficiency, renewable energy and advanced transmission and distribution technologies that constitute New or Significantly Improved Technologies. The Department’s authority to

issue this amount of loan guarantees was provided by the Consolidated Appropriations Act, 2008, P.L. No. 110-161 (the “FY08 Appropriations Act”). Under the terms of the FY08 Appropriations Act, the availability of this loan guarantee authority expires on September 30, 2009.

#### Project Types

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 below project types and technology categories most accurately represents its project:

#### Technology Categories

DOE will consider projects derived from the list of technology categories identified below and which fall within one of the three distinct project types described above. Attachment E provides an illustrative list of technologies potentially constituting New or Significantly Improved Technologies that fall within each of these technology categories.

Category 1: Alternative Fuel Vehicles

Category 2: Biomass

Category 3: Efficient Electricity Transmission, Distribution and Storage

Category 4: Energy Efficient Building Technologies and Applications

Category 5: Geothermal

Category 6: Hydrogen and Fuel Cell Technologies

Category 7: Energy Efficiency Projects

Category 8: Solar

Category 9: Wind and Hydropower

To the extent an applicant has questions relating to the application process at any time prior to submission of its application to DOE, the applicant may set forth its question in an email to the LGPO at [lgprogram@hq.doe.gov](mailto:lgprogram@hq.doe.gov). Please include in the subject line “RETDEE Solicitation Question.” Completed applications must be submitted to DOE electronically through the Fed Connect website located at [www.fedconnect.net](http://www.fedconnect.net) no later than 11:59 pm (ET) on Wednesday, December 31, 2008.

*The full announcement can be found at <http://www.lgprogram.energy.gov/keydocs.html>.*

## **Upcoming Events**

### **Groundbreaking Ceremony and Press Conference, Raser Technologies— POSTPONED**

The ceremony originally scheduled for August 18 has been postponed.

### **2008 Australian Geothermal Energy Conference, August 19–22 (Melbourne, Victoria, Australia)**

The Inaugural Australian Geothermal Energy Conference, hosted by the Australian Geothermal Energy Association and Australian Geothermal Energy Group, will feature keynote addresses from international and national leaders in geothermal energy, as well as research and case study presentations providing all the latest information.

It will be held at the Rydges Hotel Melbourne: 186 Exhibition Street, Melbourne, VIC 3000

Pre-Conference Seminar:

The Western Pacific Regional Branch of the International Geothermal Agency and the Australian Geothermal Energy Group proudly present a one-day seminar on Geothermal Reservoir Management by Cedric Malate, Philippines National Oil Company. The seminar will be held on Tuesday 19 August at the Grand Chancellor Hotel, 131 Lonsdale Street.

Conference Structure:

Day One, Wednesday 20 August, will provide an update of latest developments internationally, nationally and from leading companies in geothermal applications.

Day Two and Three, Thursday 21 and Friday 22 August, will provide extensive detail on all aspects of geothermal energy development, under the key themes of:

- o Underground Science and Technology
- o Legislation, Policy and Infrastructure
- o Direct Use
- o Power Conversion Technologies

The Australian Geothermal Energy Conference will also include an exhibition, giving delegates and organizations invaluable networking opportunities.

Visit [www.ausgeothermal.com](http://www.ausgeothermal.com).

### **Opportunities at the Intersection of the Oil and Gas Industry with Geothermal Energy in the U.S., Executive Management Roundtable, August 25 (Houston, TX)**

Opportunities at the Intersection of the Oil and Gas Industry with Geothermal Energy in the U.S. will be a roundtable discussion with executive managers from DOE, DOI, the oil & gas, service, and geothermal industries. Seating will be at round tables. There will be a working lunch. The audience will be a roundtable of executive managers from DOE, DOI, the oil & gas, service, and geothermal industries. The event will be held from 8:00 am to 3:30 pm at the University of Houston: University Center, Bluebonnet Room (#250), 4800 Calhoun Road, Houston, Texas 77004

Confirmed Speakers:

- DOE: Assistant Secretary Karsner, Ed Wall
- Non DOE: Assistant Secretary Allred DOI; Don Paul, President, Energy and Technology Strategies LLC

Invited Speakers:

- DOE: Assistant Secretary Slutz
- Non DOE: Deputy Assistant Secretary Olsen, DOI; Colin Williams, USGS; Scott Tinker, Director of the Bureau of Economic Geology and State Geologist of Texas; Greg Vesey, President of Global Power, Chevron

8:00 Registration

8:30 Welcome and Framing of the Opportunity: Assistant Secretary Karsner, DOE EERE; Assistant Secretary Allred, DOI; Deputy Assistant Secretary Slutz, DOE FE

9:30 Review of the DOE Geothermal Programs: E. Wall, DOE, Geothermal Program Manager (EISA 2007 and program structure; Current RD&D activities by the Department)

10:15 Break

10:30 Review of Geothermal Resource Base: Current USGS geothermal resources assessment and ongoing activities; Potential connection to O&G leases and operations: Deputy Assistant Secretary M. Olsen, DOI; View from the perspective of the States

11:15 Review of the Geothermal Business Today: Global industry overview; View from the geothermal technology and service industry; Geothermal energy as a business for O&G companies

12:15 Framing the Business Opportunities for Intersection/Working Lunch: D. Paul, President, Energy and Technology Strategies LLC  
(Elements of the business model; Opportunities for O&G field co-generation; Connection to carbon management; Technology leverage)

1:15 Facilitated Roundtable Discussion: D. Paul

2:45 Break

3:00 Defining the Next Steps for DOE and Industry: E. Wall, DOE (Input mechanisms for DOE programs and solicitations; Pathways for individual company engagement; Working groups of interest?)

3:30 Adjourn

### **International Geothermal Workshop, August 27–28 (Reykjavik, Iceland)**

From DOE:

On August 27–28, 2008, the U.S. government, along with Australia and Iceland, will be holding a workshop in Reykjavik, Iceland to discuss potential areas of international collaboration on geothermal energy, specifically focusing on EGS and deep drilling. The workshop will include participation from government, industry, academia and others. Alongside this conference, Australia, Iceland and the U.S. will also be establishing an International Partnership for Geothermal Technology (IPGT).

The members of the IPGT are holding the workshop to bring together the major geothermal players from each participating country to ensure that our efforts are focused on relevant issues central to accelerating geothermal technology development and deployment. We envision the ongoing international dialog between government, industry, academia and others supported by this partnership to facilitate the research and development necessary to accelerate the deployment of enhanced geothermal systems (EGS) worldwide.

If you have any questions, Elizabeth Beckert can provide additional details about the workshop. She can be reached by phone at 202-586-6912 or email at [elizabeth.beckert@ee.doe.gov](mailto:elizabeth.beckert@ee.doe.gov).

### **Renewable Energy Philippines 2008, August 28–30 (Manila, Philippines)**

This is the First International Exhibition & Conference on Renewable Energy in the Philippines.

Renewable energy is getting more and more attention because of global warming. Renewable Energy Philippines 2008 is a link to enable the U.S. Renewable Energy providers, manufacturers, and researchers to go overseas and encourage other countries to invest in environment friendly energy sources.

Asian Development Bank & World Bank will speak on Future Carbon Fund, Carbon Finance Program, and support of CDM Projects.

August 28–30, Hall 3, SMX Convention Center  
Metro Manila, Philippines

The exhibition provides a one-stop B2B and technology exchange platform for equipment manufacturers and suppliers, project operators, financing institutions, oil & gas producing companies, state-owned companies and relevant Government Agencies to meet and do business under one roof and venue. Exhibition profile includes all equipment, technology applications and projects available for investment in

alternative fuels, gas energy, geothermal energy, hydro energy, ocean energy, solar energy, wind energy, and others.

Contacts:

- o TDC Events International Inc., 1504 Francisco Street Berkeley, CA 94703
- o USA Contact: Maria Gomez, Tel: +1 305 4365751, Fax: +1 305 4365352, Cel: +1 305 7722549, e-mail: [maria@andinalink.com](mailto:maria@andinalink.com)
- o Latin America Contact: Andrea Valencia, Tel: +571 4821717, Fax: +571 3128782, e-mail: [andrea@andinalink.com](mailto:andrea@andinalink.com)
- o Web site: [www.dp-link.com](http://www.dp-link.com)

## **Geothermal Heating and Cooling Seminars, September 8–11 (Washington, D.C.)**

HeatSpring Energy holds geothermal seminars for building professionals and will be hosting seminars in Washington, DC in September.

Geothermal Heating and Cooling Systems

Location TBA

Washington, DC

September 8 - Introduction to Geothermal Systems (8 hours)

September 9 - Design Overview (Residential focus) (8 hours)

September 10 - Commercial Closed Loop Design (8 hours)

September 11 - Commercial Open Loop Design (8 hours)

[https://www.heatspring.com/catalog\\_.php](https://www.heatspring.com/catalog_.php)

## **Brita Climate Ride, September 20–24 (New York to D.C.)**

Seeking participants from all sectors of renewable energy.

On the eve of the elections, one hundred Climate Riders will cycle from New York City to Washington DC to make a powerful statement about the need for renewable energy legislation and climate change awareness.

Join fellow Climate Riders for a beautiful ride that begins in the urban landscape of Manhattan, then meanders through rural New Jersey, Pennsylvania, and the equine estates of Maryland to the ride finale in Washington, DC. Along the way, expert speakers meet our cyclists each evening to discuss climate science, green technology, and how to reduce our carbon footprint. Meet people committed to resolving the climate crisis, make your voice heard, and benefit an important cause—all on an unforgettable vacation!

To learn more about Climate Ride and our beneficiaries, visit [www.ClimateRide.org](http://www.ClimateRide.org), or email [info@climateride.org](mailto:info@climateride.org).

## **GEA Geothermal Issues and Outlook Workshop, October 4 (Reno, NV)**

GEA in cooperation with GRC is planning a day-long workshop on October 4 examining the key issues and policies that will affect geothermal energy in future years. Experts and panel presentations are being planned on:

- Transmission Initiatives and Policies
- State and Federal Tax Incentives
- Climate Change Legislation
- Leasing and Permitting
- Research/Technology Developments
- State RPS Legislation and Regulations
- Geothermal Resource Assessment

A complete agenda is expected to be announced in the coming weeks. For more information contact Karl Gawell at 202-454-5264 or by email at [karl@geo-energy.org](mailto:karl@geo-energy.org).

### **GEA Trade Show/GRC Annual Meeting, October 5–8 (Reno, NV)**

The GEA Trade Show and GRC Annual Meeting will take place October 5-8 Peppermill in Reno, Nevada. Annually, Geothermal Energy Association hosts a wide range of companies working in the U.S. and abroad within the geothermal power industry at its Trade Show. Last year in Reno/Sparks, Nevada, 71 booths were visited by over 1000 visitors. With dramatic growth underway in geothermal power projects in the U.S. and internationally, we expect the 2008 trade show in Reno to be our largest event yet!

*For more information about the GEA Trade Show, visit [http://www.geo-energy.org/2008\\_ts/index.htm](http://www.geo-energy.org/2008_ts/index.htm).  
For information about the GRC Annual Meeting, go to <http://www.geothermal.org>.*

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

The NZ Geothermal Workshop will be held November 11-12 and the New Zealand Geothermal Association Seminar 2008 will be held on November 13. Both events will take place at the Great Lake Centre in Taupo, New Zealand.

The events mark the 30<sup>th</sup> anniversary of the Geothermal Workshop, which is New Zealand's longest running energy conference. This year's workshop will celebrate New Zealand's people and past achievements as well as the exciting future of geothermal energy use around the world. Particular focus will be on New Zealand's contributions to the research, education, and development of geothermal energy.

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

Workshop registration began June 1 and online registration will continue until November 4. Discounted rates will be available until early registration closes on October 12.

*For more information or to register, please visit <http://www.nzgeothermal08.com/nzgeothermal/index.cfm>.*

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

The XVI Annual Congress of the Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana) will take place in the city of Morelia, Mexico, on November 14.

The AGM is calling for papers related to geothermics. Please send abstracts to Luis Gutiérrez-Negrín ([luis.gutierrez@geotermia.org.mx](mailto:luis.gutierrez@geotermia.org.mx)) before July 25. Ten to twelve papers will be selected for oral presentation during the congress. Papers and presentations can be in Spanish or English.

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

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

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

The United States Department of Energy's Edward J. Wall, of the DOE's Geothermal Technology Program Office, will keynote the Geothermal Finance & Investment Summit. The conference will look into geothermal developer perspectives, geothermal transmission, investment perspectives on geothermal energy and challenges faced in the geothermal energy community. This is a great opportunity to learn more about geothermal investment.

Many renewable energy project developers -- and investors -- are looking to the DOE for a range of issues. Mr. Wall is expected to provide answers and clarity to these market players.

Interest in geothermal development has never been higher -- evidenced by the record 400% increase in land-lease prices garnered earlier this month at auction by the Bureau of Land Management -- as everyone searches for the next big play in renewable energy.

Mike Olson of the U.S. Department of Interior and Kermit Witherbee of the Department of Interior/Bureau of Land Management will also address the summit on issues of the backlog of land-leases and the royalty framework. Both issues are considered critical to geothermal energy projects.

As an annual event, the Geothermal Finance & Investment Summit is one place where developers, investors, power purchasers, technology experts and other players are turning to find out where, when and what geothermal projects will happen in the coming year.

Also scheduled to appear:

- Mike Marelli, Manager of Contract Origination & Analysis, Renewable & Alternative Power Department, Southern California Edison, and David Lewis, Director - Competitive Solicitations, Pacific Gas & Electric;
- John C.S. Anderson, Senior Managing Director, John Hancock Financial Services, and Rohan Singh, Vice President, HSH Nordbank;
- John Eber, Managing Director - Energy Investments, JPMorgan Capital Corp.; and Martin Torres, Associate, Morgan Stanley Capital Markets
- Paul Zavesov, Deputy Director, Geothermal Business Development, Ormat Technologies, Inc.; and Gary Thompson, President & CEO, Sierra Geothermal Power Corp.

## **Utah Geothermal Lease Sale, BLM, November 18**

The Utah State Office has scheduled a proposed competitive geothermal lease sale. The proposed sale will be held in conjunction with the oil and gas lease sale on November 18, 2008.

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

*More information available at <http://www.blm.gov/ut/st/en/prog/energy/geothermal0.html>.*

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

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

The Scientific Program of the conference consists of Plenary Lectures, Poster presentations, Workshop and Field Trips. The structure and the list of sessions below are preliminary. A number of Keynote addresses will be given by eminent scientists, on subjects relevant to the main themes of the conference (as indicated in this circular). Lectures will be open to all participants and will take place in a large conference hall.

The following will be the themes for oral and poster sessions:

- Session 1: Exploration: Geology, Geophysics, Geochemistry, and Hydrology
- Session 2: Drilling and well design: Shallow and deep, Production and Injection
- Session 3: Field development, Production Technology, Power generation & Operation.
- Session 4: Reservoir Engineering: Well Testing, Injection, and Modeling
- Session 5: Case Histories
- Session 6: Economics and Financing
- Session 7: Environmental, Social, Legal and Institutional Aspects
- Session 8: Direct Use: Agri- and aquaculture, Mineral extraction, Manufacturing, Air conditioning etc.

### **Contributions**

The organizers of ARGeoC2 welcome submission of titles/extended abstracts for oral and poster presentations from all geoscientists, engineers and others involved in geothermal resources exploration and development. Authors may submit papers for publication only, or for presentation and publication in "The Conference Proceedings." Papers may be selected for presentation in a technical session, or poster session. Selection of papers for presentation will be based on subject material suitability, professional standards of writing, and quality of the illustrations. Time allotted for oral presentations will be 15 minutes each, with an additional 5 minutes for discussion. Oral presentations will be illustrated with LCD Projector in PowerPoint.

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

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

The Canadian Geothermal Energy Association (CanGEA) announces their Conference and AGM on April 16–17, 2009 in Vancouver, B.C.

CanGEA's also announces its corporate members website is up and running. Corporate members have access to job postings, committee information (progress, research), presentations, and business opportunities (international JVs, work up for bid, or other geothermal prospects).

Updated library of links and pdfs of Canadian geothermal research papers and documents (from multiple resources), reserves (geothermal energy potential, estimates for Canada), and online advertising opportunities will soon be available.

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



### **GEA Update**

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