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<http://www.geo-energy.org/updates.aspx>



National News

EIA Analysis Says Extending Geothermal Tax Incentives Will Lower Power Consumption and Costs

An Energy Information Administration report released this week shows extending tax incentives for geothermal energy will increase production and lower costs. The report specifically examined extending the "in-service" date to qualify for a 30% Investment Tax Credit (ITC) to 2017 for both geothermal and offshore wind. This would help lower costs for both types of power through 2016. "EIA projects that this provision will result in more than 500 Megawatts of additional geothermal capacity installations during the extended 30 percent ITC availability period compared to EIA's Reference case," according to the report.

"We welcome the EIA analysis on extending tax incentives for energy efficiency and renewable energy," said Kent Burton, Senior Vice President of National Environmental Strategies and GEA's Government Relations Committee Chair. "This confirms our belief that these policies in fact will help lower energy consumption and boost production, two things that are good for the consumer and for the county. We hope that Congress will follow the results of this analysis and pass legislation to extend these important incentives, especially Section 1603 [tax reimbursement] and ITC for geothermal," Burton said.

Other provisions of the package that the House Ways and Means Committee asked EIA to examine included extending tax credits for manufacturers of energy-efficient appliances through 2013 and providing an additional \$2.4 billion for states to provide low-interest loans for residential efficiency improvements. This would cut forecast U.S. energy consumption by about 0.1%. An additional 2,800 heavy natural-gas vehicles would be sold between 2012 and 2016 with an extension of an 80% tax credit for buyers of a "heavy" natural-gas or hybrid vehicle (+8,500 pounds).

Levelized Cost of Energy for Geothermal and Offshore Wind (\$ per MWh)¹

	Geothermal	Offshore Wind
Reference Case	98	173
Policy Case (unsubsidized)	99	173
Policy Case (with subsidy)	77	130

¹2008 dollars. Results are shown for California for geothermal and the Mid-Atlantic for offshore wind, which are the regions of greatest growth for those respective technologies. Calculations assume 30-year financial life.

See <http://www.eia.doe.gov/oiaf/servicerpt/manjobsact/>

<http://www.eenews.net/eenewspm/2010/10/18/3/>

DOE Provides Grants \$350m Loan to Key Nevada Transmission Line

This week, the One Nevada Transmission Line (ON Line) was granted \$350 million in federal loans and now awaits approval from the Federal Energy Regulatory Commission. Stretching 235 miles from Ely to north of Las Vegas, the line will carry approximately 2,000 MW of electricity to populations in southern Nevada and California and will facilitate connection of potential wind, solar and geothermal power generation sites.

"As we develop renewable energy projects on public lands in the West and throughout the nation, we can take great pride in knowing that these projects are creating thousands of jobs for American workers and stimulating local economies as we move toward energy independence," said Interior Secretary Ken Salazar at a Nevada event publicizing the line.

Daniel Schochet, Executive Vice President for Ram Power and a member of GEA's Board of Directors said: "The One Nevada Transmission Line is a vital link for providing Nevada's residents with both a robust statewide grid as

well as the supply of 24 hour base load geothermal energy from Northern Nevada's abundant geothermal resources to Las Vegas, and clean solar energy from Southern Nevada to the cities and ranches of Northern Nevada. In approving the loan guarantee for this vital transmission project, the US Department of Energy has again shown that focused government support can be the catalyst for the execution of a private project that is aligned with the strategic national interests of the United States."

"As the former Chairman of Governor Jim Gibbons Renewable Energy Transmission Access Advisory Committee (RETAAC), I want to personally thank Governor Gibbons and the all volunteer RETAAC for the work that resulted in the report which strongly recommended and supported the construction of One Nevada Line," said Schochet. "I also want to commend NV Energy for their foresight and dedication to needs of Nevada in pursuing the planning, the PUCN approvals and the financing needed to make the one Nevada Line a reality."

See <http://www.eenews.net/eenewspm/2010/10/19/2/>

GEA to Release Interim Industry Update, Jobs Report, Education and Training Guide

On Friday, October 22, Sacramento Mayor Kevin Johnson will join GEA's Karl Gawell in Sacramento as the Geothermal Energy Association provides a media preview of the 2010 Geothermal Energy Expo (press conference, not a public event). GEA will provide the press with an update on the current state of the geothermal industry from both a local and national perspective and will report on the results of GEA's forthcoming report on jobs, "Green Jobs through Geothermal Energy." GEA will also release a new Geothermal Education and Training Guide. The full reports will be available on 10/22 at <http://geo-energy.org/reports.aspx>. For credentialed press interested in the press conference or reports, please contact Garret Drexler, 646 695 7042 or garret@rosengrouppr.com.

The Geothermal Energy Expo, which will be held in Sacramento Oct. 23-27, brings together 2,500+ attendees and more than 160 exhibitors to showcase projects, equipment, services, and state of the art technology including a virtual job fair. See details and a Mini-Guide to the Expo in the **Events** section of this newsletter. Register here: <http://www.geothermalenergy2010.com/visitors.asp>.

Kenyan Business Meeting Scheduled at Geothermal Energy Expo, GEA Staff Brief Delegation

The Kenya Delegation consisting of officials and all the major stakeholders in Kenya's power sector will be available at a Business Briefing on Tuesday, October 26, at Hyatt Regency Hotel (Regency F). The U.S. Trade and Development Agency (USTDA) is sponsoring this informative event in conjunction with the GRC/GEA conference to give U.S. geothermal energy firms an opportunity to learn more about upcoming opportunities in the Kenyan geothermal sector.

In the morning, presentations will include an overview of Kenya Geothermal Opportunities and U.S. Export Assistance Programs and presentations by Kenyan Energy Companies. Private meetings with delegates will be scheduled and will take place that afternoon. See more in the **Events** section of this newsletter.



On Tuesday, October 19, the Kenyan Delegation met with GEA staff for an overview of the U.S. geothermal market and industry (see photo). "Kenya is solidly committed to expanding its geothermal power production." noted Karl Gawell of GEA, "and they expressed strong interest in working with US firms to achieve their future goals." In addition to Mr. Gawell, Dan Jennejohn, Alison Holm and Leslie Blodgett all participated in the two-hour briefing and discussion.

For the October 26 Kenyan Briefing, register at www.mse-ov.com/kenya.html or contact: Dale Rice (703) 961-0710 for more information.



Company News

Magma Energy Corp.: Ross Beaty, Chief Executive, Interviewed

Ross Beaty, chief executive of Magma Energy Corp was interviewed at theglobeandmail.com about the Canadian mining industry, public relations, and Magma's project in Iceland. Magma Energy recently finalized the purchase of geothermal power producer HS Orka, a move that met with opposition from Icelandic people and the government. Of this Beaty said, "We made a dreadful job of public relations, because clearly the government was against us. It's a leftist government right now, and we just didn't do a good job at promoting our case to the Icelandic people – and we're paying for it." He added, "Fundamentally I believe we are the right company for Iceland, and we will ultimately be given a seal of approval by the people."

See <http://www.theglobeandmail.com/report-on-business/managing/at-the-top/ross-beaty-acting-to-overcome-hurdles/article1761322/>

Raser Technologies and Ormat Nevada: Terms Settled for Engineering, Procurement and Construction of Lightning Dock Project

Press Release, PROVO, Utah, October 20 -- Raser Technologies Inc, an energy technology company, announced today that its subsidiary project company, Lightning Dock Geothermal No. 1, HI-01, LLC, signed a term sheet with Ormat Nevada, Inc., a subsidiary of Ormat Technologies, Inc, to provide the Engineering, Procurement and Construction (EPC) of the Lightning Dock, New Mexico geothermal project.

"We are excited to work with a veteran in the geothermal business," said Project Manager Mike Hayter. "Ormat is a known leader in manufacturing binary-cycle geothermal equipment and we recognize the benefits Ormat would bring to the Lightning Dock project. We are also pleased to announce that, in conjunction with Evergreen and FE Clean Energy, we found a solution that will provide the financing needed for this project."

The term sheet names Ormat the provider of equipment for the project. The broad scope of work includes the installation of two large Ormat binary turbo generators and all associated above-ground plant equipment including, but not limited to, well field pumps, pipelines, cooling towers, electric interconnection equipment and transmission equipment.

Ormat President and COO Yoram Bronicki said, "We are pleased to work with Raser Technologies on their Lightning Dock geothermal development and we look forward to contributing to the success of this project with our best-in-class, bankable power plant technology and proven execution skills."

The current project schedule slates the above ground construction to be completed within 24 months from the issuance of the notice to proceed.

See http://www.marketwatch.com/story/raser-technologies-signs-term-sheet-with-ormat-nevada-to-provide-engineering-procurement-and-construction-for-rasers-lightning-dock-new-mexico-geothermal-project-2010-10-20?reflink=MW_news_stmp



Renewable Energy and Climate Change

Global Renewable Energy Market Worth \$614.92b by 2015

Press Release, DALLAS, October 19 -- According to the new market research report 'Global Renewable Energy Market Outlook (2008 - 2015)', published by MarketsandMarkets, the global renewable energy market is expected to reach a size of \$614.92 billion by 2015 at a CAGR of 7.5% from 2010-2015.

Renewable energy sources are rapidly replaced by natural processes and are replenished faster when compared to fossil fuels such as coal and petroleum. The sources of renewable energy are solar, hydro, wind, geothermal and biofuel. The M&M research is focused on the segments that are commercially viable and used globally. The

segments covered in the report are solar photovoltaic (solar PV), wind, hydropower (dams), biofuels and geothermal.

This report covers installed capacities and market forecast of the aforesaid sources of energy. The report also provides forecast for the revenues derived from the prime applications of these energies like electricity generation and transport fuel. The report also analyzes the key market players in this market and sketches a competitive landscape of the industry.

STAKEHOLDERS

The intended audience of this report includes:

- Solar cell manufacturers
- Hydro-turbines and wind-turbines manufacturers
- Energy conversion equipment manufacturers for tidal and geothermal energy
- Research Labs
- Investment banks
- Consumer electronics manufacturers
- Automotive manufacturers
- Biofuel Manufacturers
- Government associations

Browse All Energy and Power market Research Reports at <http://www.marketsandmarkets.com/energy-power-supplies-market-research-4.html>

For more, see <http://www.prnewswire.com/news-releases/marketsandmarkets-global-renewable-energy-market-worth-61492-billion-by-2015-105247608.html>

Voters Favor Clean Energy Bill

Voters in 21 of 23 key congressional districts favor candidates who vote for a clean energy bill, according to Natural Resources Defense Council polls. Heather Taylor-Miesle, NRDC Action Fund's director said voters overwhelmingly rejected the idea that a climate bill is akin to an energy tax and supported a bill that would create jobs, reduce use of foreign oil, hold corporate polluters accountable and cut pollution. "The poll results challenge political spin which says a 'yes' vote on ACES will hurt candidates running for re-election," Taylor-Miesle said. The results show that clean energy and cutting pollution are actually issues voters support."

See <http://www.eenews.net/Greenwire/2010/10/18/3>



State News

California: Transmission Plan Must Consider Out-of-State Resources, Says GEA

In response to the Phase 4 Study Plan released by the [California Transmission Planning Group](#) (CTPG), GEA has filed comments focusing on "the need for CTPG to fully consider and analyze in-state and out of state geothermal energy resources as part of [its] planning effort to ensure that California has the transmission infrastructure in place to meet the state's ambitious 33% by 2020 Renewable Electricity Standard (RES)."

California utilities and transmission planning agencies must fully consider the commercial potential of renewable energy resources across the Western Interconnection on an equal footing with California renewable energy development "zones" and must to do a better job of analyzing the economics of how developing in-state renewable energy resources (such as geothermal in Imperial County) can actually benefit the entire Western grid, according to GEA.

GEA's recommendations look at detailed updates of Nevada North geothermal and other out-of-state import assumptions and Potential synergies between out-of-state and in-state development. GEA also emphasizes Comparing the relative economic, operational, and scheduling features of different renewable-energy technologies, as well as regional transmission issues in northern California and northern Nevada.

The CTPG was formed in 2009 by all of California's major utilities in order to conduct the technical analysis necessary to develop a transmission plan to meet the state's 33% by 2020 Renewable Electricity Standard (RES). The CTPG based much of their transmission analysis on the results of the [Renewable Energy Transmission Initiative](#) (RETI) 2009-2010 studies that ranked and compared a variety of "competitive renewable energy zones" based on economic and environmental factors. The results of CTPG's work will be presented to the state agencies in charge of permitting and approving new transmission projects in early 2011.



International News

Australia: Globe Drill Completes Systems Test at Kalgoorlie, Geodynamics to Begin Fracture Stimulation at Innamincka

In Kalgoorlie, Western Australia, Australian company Globe Drill has completed a successful small systems test drill hole. Rotation, feed, cooling, filtration, dust suppression, drill cutting containment, rod handling and mobilization all functioned well. The GT3000 rig will next drill a 2–3 km hole in Merredin, Western Australia.

In South Australia, Geodynamics Limited, has successfully concluded operations to the Innamincka 'Deeps' Jolokia 1 well. The company will now begin hydraulic fracture stimulation of the granite to create a geothermal reservoir at the Jolokia site. The coming steps will mark completion of the first milestone of the 'Deeps' forward work program by confirming that GeoDynamics can readily create underground heat exchangers.

See http://ecogeneration.com.au/news/australian_geothermal_drill_does_the_job/044333/
http://www.yourindustrynews.com/innamincka+%27deeps%27+joint+venture+%E2%80%93+cooper+basin+project+update_55372.html

Iceland: Power Company Testing Northeast Geothermal Site

Iceland's national power company, Landsvirkjun, is conducting a stress test of the geothermal area Theistareykir in northeast Iceland. Four boreholes will blow steam for a few months while the company obtains data on how the geothermal tank reacts. Project leader Bjarni Pálsson told press the area is likely to produce at least 90–100 MW of electricity. The Icelandic National Planning Agency is conducting an environmental impact assessment that will determine continued drilling at the site.

See http://www.icelandreview.com/icelandreview/daily_news/?cat_id=40764&ew_0_a_id=369074

Kenya: Shortage of Engineers Delays Geothermal Project

A shortage of skilled geothermal engineers is slowing down Geothermal Development Company's drilling schedule. "The real cost of drilling is in the cost of hiring people," said Silas Simiyu, the managing director of GDC. The GDC plans to cut costs by hiring Kenyan workers who can man the rigs. Currently the drilling is operated by expatriate employees being flown in from China, and their airfare and per diems is one of the largest costs. The company has a target to install 200 MW per year over the next 10 years and another 2,000 MW in the following decade, with a goal of 4,000 MW by 2030.

Kenya's geothermal potential is estimated at 7,000 MW. Next week at the GEA Geothermal Energy Expo, join U.S. Trade and Development Agency and Kenyan delegates including the major stakeholders in Kenya's power sector for a Business Briefing on Tuesday, October 26 at the Hyatt Regency Hotel. Register at www.mse-ov.com/kenya.html, and see more in the **Events** section of this newsletter.

See <http://www.businessdailyafrica.com/Corporate%20News/Shortage%20of%20engineers%20delays%20geothermal%20power%20roll%20out/-/539550/1035448/-/povvu6z/-/>

United Arab Emirates: Interest Shown in Indonesian Geothermal Sector

The United Arab Emirates is interested in investing in Indonesia's geothermal industry, said Indonesian Foreign Minister Marty Natalegawa following a meeting with UAE minister Sheikh Abdullah bin Zayed Al Nahyan. Minister Abdullah expressed appreciation of Indonesia's efforts in handling climate change in the world and in supporting the use of renewable energy sources.

"Indonesia has a huge potential to be the world's largest geothermal energy user while UAE as chairman of the International Renewable Energy Agency is willing to promote the use of environmentally friendly energy to the world," said Minister Natalegawa.

See <http://www.istockanalyst.com/article/viewiStockNews/articleid/4592205>



Geothermal Heat Pumps and Direct Use

Aspen, Colorado Looking at Geothermal Energy Systems

Aspen officials are looking for grant funding for geothermal well surveys, one of the topics at the Colorado Utility Energy Exchange, a conference on state energy technology opportunities hosted by the city. "It's the only system that can put more energy out than goes in," said Paul Bony, marketing manager of the Delta-Montrose Energy Association. Studies on Habitat for Humanity-built houses that use geothermal units found they cut site energy costs by 50 percent.

See <http://www.aspentimes.com/article/20101015/NEWS/101019889/1077&ParentProfile=1058>

Johnson County Kansas Crime Lab to Feature Geothermal Energy

Ground has been broken on a new crime lab for the Johnson County Sheriff Department, which will include a geothermal energy system. Features of the lab include advanced crime-fighting features, a green roof growing plants, and 118 geothermal wells. The \$30.3 million lab, intended to be among the most advanced in the nation is paid for by public safety sales tax. "When you take somebody's liberty away," he said, "it's appropriate to have the technology and equipment to make sure, to make absolutely sure," said Johnson County Sheriff Frank Denning.

See <http://www.kansascity.com/2010/10/15/2318751/johnson-county-breaks-ground-on.html>



<http://www.geo-energy.org/updates.aspx>



Notices

Closing This Week

Call for Papers, Enhanced Geothermal Systems, Joint AAPG/SPE/SEG Hedberg Research Conference (October 25)

From the AAPG/SPE/SEG Hedberg Research Conference Program Committee

Dates and Location: March 14-18, 2011, Napa, California, with optional post-meeting field trip.

Conference Conveners

- Dr. Gary H. Isaksen (ExxonMobil Exploration Company)
- Dr. Dag Nummedal (Colorado Energy Research Institute, Colorado School of Mines)
- Dr. Peter Malin (Institute of Earth Science and Engineering, University of Auckland)

Conference Goals:

Improved understanding of geothermal resources and recent advances in exploitation technologies offers the possibility of a much broader use of geothermal energy sources on a global scale. The principal purposes of this conference are to facilitate knowledge sharing, enhance science and technology networks, foster cooperation among geothermal experts from industry, academia, and government, and identify technology gaps and economic barriers to project implementation. Our goal is to develop clarity around recent advances, identify technology gaps, and discuss scenarios and strategies to help develop enhanced geothermal systems in economically viable ways.

Format:

The meeting will be comprised of three days of single session oral and poster presentations, and an optional post-conference field trip to the Geysers/Calpine Geothermal Center in Middletown, California. Oral presentations will be 30 minutes in length, with discussion by all attendees following each presentation. Additional discussion sessions and breakouts may also be planned. To optimize the discussions, the number of attendees will be limited to 120 individuals. The poster sessions will be linked to the oral presentations and will feature prominently in the discussions. The results of the conference will be published in a compendium research volume, hopefully as an AAPG Memoir.

Themes:

The conference will focus on these major topics:

1. Recent Advances that address (a) improved understanding of worldwide subsurface heat flow and geothermal reservoirs, (b) links between geothermal reservoir models, heatflow, geodynamics, pressure cells, structural and stratigraphic models, fracture technologies (e.g. fluids in closed and open systems), prediction of migration pathways, charge, stimulation (hydraulic, chemical), and probabilistic approaches to fluid migration and risk analysis. Also consider talks/posters on advanced in surface technologies (e.g. heat exchangers).
2. Subsurface Imaging and Modeling, specifically addressing properties of rocks, faults, and fractures, as well as water and other fluids. Research includes reservoir diagenesis and porosity/permeability alteration, artificial fracturing, fracture propagation, PVT, stress and deformation, multi-phase flow, heat flow evolution, fault behavior, and low- and high-temperature processes.
3. Uncertainty and Risk associated with rock volume interpretations, structural interpretation, migration/flow fairways, resource volume assessments. Project Economics: drilling and completion costs, costs for energy conversions, energy forecasts.
4. Energy Conversion and Recovery from Enhanced or Engineered Geothermal Systems. What are the technology gaps we need to fill in order to ensure economic viability for EGS? What EGS technology challenges exist for academia and industry? How can we best engineer the system to emulate the productivity of a hydrothermal reservoir? What do regulators and policy makers need to understand to help promote use of EGS?
5. Environmental Considerations, addressing water use, land use, artificial reservoir fracturing, supplies to the electric grid.

Oral sessions will be highlighted by keynote speakers whose task will be to address the current understanding of the topic and indicate future directions of research. Session chairmen and "discussion leaders" will be designated for each of these sessions, charged with engendering discussion during the session, organizing and leading discussions during the breakout sessions, and formulating a "white paper" (~one page) of the major points raised, describing the "state of the art" and paths forward, for publication in the post-conference wrap-up.

Abstract Submittal:

Please send abstract (1-4 pages), including optional figures (up to 2) to both:

Debbi Boonstra
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P.O. Box 979
Tulsa, OK 74101-0979
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gary.h.isaksen@exxonmobil.com

Specify that your abstract is for the AAPG 2011 Napa Hedberg Research Conference. Include all co-authors' names (including contact information for the primary author). An abstract cover sheet is required for all submitted abstracts. Log on to <http://www.aapg.org/education/hedberg/index.cfm>, or contact Debbi at AAPG to obtain this form.

Deadline for submission of abstracts: October 25, 2010

Current Notices

GEA Conducting Survey on Web Site Functionality

Posted 8/2010: GEA's web site, www.geo-energy.org has ongoing updates meant to provide you with accessible reports, information, links, and more.

We are aware of some glitches on our site — for example; there are some inconsistencies in viewing from different browsers. We are working on this; please help us solve any additional problems. Let us know:

- Have you run into any problems on GEA's site?
- Have you come across any antivirus warnings?
- Have you had any problems accessing files or links?
- Have you noticed any out-of-date information?
- Please report problems to Leslie Blodgett, leslie@geo-energy.org

Many thanks for your help! Recent updates to www.geo-energy.org include:

- Updates to Developing Projects and Power Plant information
- Video on YouTube
- Photos on Flickr
- Member Access includes presentations from all GEA events
- Member Data base searchable by field and location
- Notices, Jobs, and Proposals listed in the GEW are now also updated each week to the site.

DOE Draft Geothermal Market Report 2009 Available for Comment

US DOE has prepared a draft report on the US geothermal market in 2009. A PDF of the report and a submission form for comments is available at: <http://www1.eere.energy.gov/geothermal/plans/comments.cfm?doc=market>.

The draft *Geothermal Market Report 2009, Building Blocks for a \$50 Billion Industry* addresses the following issues:

- Chapter 1 addresses the industry's current state, including development activities, infrastructure and its financial health.
- Chapter 2 discusses advanced technologies, including Enhanced Geothermal Systems (EGS), which has been a central theme in U.S. government programs but has seen little commercial activity. These technologies will be important for the industry to reach its potential. The chapter also discusses investment trends in new technologies to support industry advancement.
- Chapter 3 covers international development activities and cross-border commercial opportunities, including import/export drivers for U.S. companies.
- Chapter 4 provides background on U.S. government programs that support the industry and are critical to its growth and success.
- Chapter 5 highlights key companies in the geothermal industry, including players across the value chain and risk spectrum.



Employment

Employment Opportunities

For more details on employment opportunities listed here visit http://geo-energy.org/empl_opport.aspx.

Geothermal Faculty, Tenure Track, Dedman College, SMU (October 1 or until filled)

Tenure-track Assistant/Associate Professor in Geophysics: The Roy M. Huffington Department of Earth Sciences at SMU invites applications in two areas of geophysics: seismology and geothermics. The successful candidate will be expected to develop a research program that competes for external research funding and that complements and extends programs of the department; this includes teaching courses in the undergraduate and graduate programs. Applications can be submitted electronically or in writing and should include curriculum vitae, a statement of research and teaching interests and contact information for three referees to Professor Brian Stump, Search Committee Chair, Department of Earth Sciences, Southern Methodist University, PO Box 0395, Dallas TX 75275 or to sschwob@smu.edu. A PhD is required at the time of appointment. The start date is August 1, 2011.

Senior Level Assistant Site Manager, Operations and Maintenance

Provides support to the Site Manager for the safe and efficient operation and maintenance of all power plant facilities and associated equipment in accordance with procedures, guidelines, and operating directives in effect. Provides day-to-day supervision for Operations and Maintenance Managers in the accomplishment of project goals and objectives. Accountable for documentation of departmental activities including, but not limited to summary of activity reports, revenue/generation reports, project completion reports (capital projects, major equipment failure, and predictive types), engineering design review reports and budget variances. Insures operations and maintenance are carried out in compliance with all local, state and federal regulations. Contact: Richard@mrspokane.com or call 509-340-2852 Ext. 18

Senior Principal Geothermal Geologist – Brisbane, Australia

Shane Stevens / Talent Search Team Manager, Origin
Email: Shane.stevens@originenergy.com.au Phone: +61 00 11 73858 0237

GIS Specialist, Nevada Geothermal Power, Reno, NV

Please send resumes to careers@nevadageothermal.com

Vice President Geology, Western US

Please send resumes to Bstevens@stmassociates.com

Geothermal Openings, NREL, Boulder, CO

Go to http://www.nrel.gov/employment/job_openings.html and search "geothermal"

Drilling Manager, NV

Contact: Andrew Matkovic / Vice President Clean Tech & Energy
(216) 539-7668 or andrewmatkovic@carmongroup.com

Geophysicist, Calpine, The Geysers, CA

To apply online, see
https://www.hrapply.com/calpine/AppJobView.jsp?link=3645&page=AppJobList.jsp&skimSessionName=com.hrlogix.view.cont.app.JobListTable&skimName=requisition.requisition_id&skimNdx=4&op=reset.

Renewable Energy Mechanical/Systems Engineer, Idaho International Laboratory, ID

Please contact:

Vanessa Van Dyk at Idaho National Laboratory: Vanessa.VanDyk@inl.gov, 208-526-6325

OR apply on line at: www.inl.gov/careers

Project Manager

Contact: Andrew Matkovic, Vice President, The Carmon Group Inc.

andrewmatkovic@carmongroup.com or (216) 539-7668

(updated 8/20/10)

Development Manager

Contact: Andrew Matkovic, Vice President, The Carmon Group Inc.

andrewmatkovic@carmongroup.com or (216) 539-7668

(updated 8/20/10)

Project Manager Geothermal Exploration, Europe

Contact: droberts@penderfinancial.com



Requests for Proposals**Closing Proposals****Works Procurement Notice, Drilling Of Geothermal Wells in Roseau Valley, Commonwealth of Dominica (October 25)**

The Government of the Commonwealth of Dominica through the Ministry of Public Works Energy and Ports – Geothermal Project Management Unit, intends to procure the services of a drilling contractor to drill at least three geothermal wells in the Wotten Waven / Laudat area. The objective of the project is to prove the existence of high enthalpy geothermal resource suitable for commercial generation of electric power and to determine the capacity for sustainable exploitation. Services to be provided by the contractor include mobilization and demobilization of the drilling rig and associated equipment, drilling of at least three wells, provision of cementing, drill-pipe inspection, and vertical drilling expertise. The provision of drilling mud and related additives and well testing services will also be required. Deadline is 9:00am Eastern Caribbean Time on October 25, 2010.

Attendance at an information meeting and site visit on August 17, 2010, at 09:00 am is strongly recommended. Contact the Project Management Unit, Ministry of Public Works, Energy and Ports, Government Headquarters Roseau. Telephone: (767) 266- 3616/8/; 266 -3294/3296 Fax: (767) 448-0182. Email: pmu.geothermal@gmail.com; geothermal@dominica.gov.dm.

Send questions in writing to geothermal@dominica.gov.dm and c/o The Project Coordinator, Geothermal Project Management Unit, Ministry of Public Works, Energy & Ports, 3rd Floor Government Headquarters, Roseau, Commonwealth of Dominica, mentioning the publication reference (EuropeAid/130061/D/WKS/DM) at least 21 days before the deadline for submission of tenders. The Contracting Authority must reply to all tenderers' questions at least 11 days before the deadline for submission of tenders. Eventual clarifications or minor changes to the tender dossier will be published at the latest 11 days before the submission deadline on the EuropeAid website at <https://webgate.ec.europa.eu/europeaid/online-services/index.cfm?do=publi.welcome>.

Indian Community Development Block Grant (October 27)

The U.S. Department of Housing and Urban Development request proposals for the Indian Community Development Block Grant (ICDBG). ICDBG supports the development of viable Indian and Alaska Native communities, including the creation of decent housing, suitable living environments, and economic opportunities primarily for persons with low- and moderate-income. Funds may be used to improve housing stock, provide

community facilities, improve infrastructure, and expand job opportunities. Area of interest include, but are not limited to: Energy Efficiency/Green Development, and Lead-Based Paint Evaluation and Hazard Control. Lead applicants must be Indian tribes or tribal organizations on behalf of Indian tribes. \$65 million expected to be available. Responses due 10/27/10. For more info, go to:
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=56858>. Refer to Sol# FR-5415-N-08. (Grants.gov 8/24/10)

Measuring Pore Fluid Pressure in Extremely Low Permeable Material Layers (October 29)

NineSigma Request, RFP# 66354, "Measuring Pore Fluid Pressure in Extremely Low Permeable Material Layers." — A Fortune 500 Company, invites proposals for the development of a method or tool to rapidly determine the fluid pressure in extremely low permeable material layers.

Final submission date: October 29, 2010.

Request for Proposal (RFP) document:

https://www.myninesigma.com/sites/public/layouts/RFPs/NineSigma_RFP_66354.pdf.

To submit a proposal:

https://www.myninesigma.com/sites/public/layouts/ProposalTemplates/Response_Template_66354.doc

Contact: Include reference RFP# 66354 in the subject line to Dr. Ir. Jos Cenens, Engagement Manager Europe, PhD@ninesigma.com.

New This Week

DOE Announces First National Geothermal Student Competition (November 12)

Press Release, October 18 — The U.S. Department of Energy (DOE) today announced the launch of its inaugural National Geothermal Student Competition. DOE, through its [Geothermal Technologies Program](#) (GTP), will provide up to \$100,000 to fund as many as 10 collegiate teams that will participate in this competition. In this intercollegiate competition—the first ever to address geothermal education—student teams will be challenged to advance their understanding of geothermal energy's potential as a significant contributor to our nation's energy portfolio. Geothermal technology allows for consistently produced energy by tapping into the heat of the earth and emits minimal greenhouse gases. Expanding the use of geothermal resources as a domestic energy source will play an important role in increasing America's energy independence.

The National Geothermal Student Competition will require student teams to conduct extensive research on the geothermal energy potential of the Rio Grande Rift geologic province located in southeastern Colorado and northeastern New Mexico. Each team will produce sets of data that assess a suite of geologic, engineering, environmental, land use, policy and cultural issues that are crucial to future geothermal development in the United States. The Rio Grande Rift is a high potential, but relatively undeveloped, geothermal region that is representative of the geothermal potential in other areas in the United States.

The National Geothermal Student Competition is open to all colleges, universities and other post-secondary institutions in the United States. To participate in the competition, teams should submit proposals through DOE's [National Renewable Energy Laboratory](#) Request for Proposals link on its [Business Opportunities](#) Web page. Up to 10 teams will be selected to participate based on a competitive review of the proposals. Proposals are due November 12, 2010.

See http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=421.

Ten-year Business Plan and Five-year Strategic Plan, Geothermal Development Company, Kenya (November 2)

Call for expression of interest: GDC/HQS/EOI/017/2010:2011

Consultancy services for development of business & strategic plans:

1. Pertinent General Information:

The Geothermal Development Company Limited through the Government of Kenya (hereinafter called "Client") has received funding from the French Development Agency (hereinafter called "the Agency") toward the cost of

Capacity Building. The Client intends to apply a portion of the funds to eligible payments under the contract for which this Call for Expressions of Interest is issued.

2. GDC Background:

GDC is 100% state-owned corporation under the Ministry of Energy, with a special purpose of accelerating development of geothermal energy in Kenya, to realize an additional 5,000 MW to the national grid by the year 2030.

GDC will undertake exploration, appraisal and production drilling for all fields to develop the resources for power generation including alternative uses and sell steam to both public and independent power producers. Besides, GDC will build and enhance human resource capacity for sustained high level geothermal development.

3. The Assignment:

GDC intends to establish a bankable 10-year Business Plan, and a 5-year Strategic Plan to give direction in achieving the proposed goals.

Consequently, GDC invites interested and qualified consultants to submit Expression of Interest for the provision of the following services:

- a) Review, revise and update the GDC Ten Year Business Plan
- b) Review, revise and update the GDC Five Year Strategic Plan

The implementation period is expected to be 4 months.

The suitable consulting firm/consortium will be selected in accordance with the procedures set out in the Standard Request for Proposals (SRFP) of the French Development Agency for procurement of intellectual services.

4. Minimum Eligibility Criteria:

Interested consultants MUST provide information indicative that they duly qualify to perform the services. Consultants may associate to enhance their qualifications.

Short listing of consultant(s) will be based on the evaluation in the outlined areas below:

1. Demonstrate exceptional experience in handling and successful completion of at least 3 similar assignments during the last 10 years.
2. Detailed background and structure of the consultant firm/consortium including correspondence details and the lead firm where applicable.
3. Audited financial statements, Annual reports and/or other relevant financial data in relation to the consulting firm(s) for the last 5 years, clearly indicating consistent profitability and a minimum annual turn-over of USD 1,000,000.
4. List of key staff earmarked for this assignment, clearly demonstrating at least 15 year's experience for the lead geothermal expert and 10 years' experience for all others.

For any question or for more information, please contact Martin Kabaki at USA Tel # 1 904 236 9966 or email martin1980june@yahoo.com

Proposal Announcements

Partner Sought for Hot Oil and Gas Wells, Mississippi

Rich McAdoo (rlmcdoo@continentalenergy.com) is seeking local operators or parties with access to properties with hot oil or gas wells (shut-in or production) located in Mississippi. If you are looking for a financial and technical partner to develop coproduction of geothermal fluids with oil and gas in Mississippi, send him an email.

Call for Geothermal Exploration Proposals, Neuquén, Argentina

The Government of the province of Neuquén, Argentina has issued a call for geothermal exploration proposals in the Domuyo area, located 560 km from the capital city of the Province of Neuquén. The exploration contract allows exploitation of the minerals discovered for a period of up to 25 years. The successful bidder may request to receive the promotional benefits and incentives. The documentation containing the terms and conditions is on sale, and a non-commercial copy is available on the agency's web site. To request additional information, please contact the Agency: info@adinqn.gov.ar or the Vice Presidency of ADI-Nqn: Igalardi@adinqn.gov.ar; Phone: +54 299 4494749; Mobile: +54 9 299 5552842 - www.adinqn.gov.ar

A 7thspace.com article provides more background on the area: see

http://7thspace.com/headlines/355477/geothermal_energy_national_and_international_public_call_for_domuyo_project_neuquen_province.html.

Power Forecast, Haiti, TDA

The U.S. Trade and Development Agency announces its intent to request proposals to provide technical assistance to forecast future power demand in Haiti and assist governmental and private sector entities in Haiti in developing a strategy to generate, transmit and distribute power to both urban and rural areas, to encourage Haiti's recovery from the disastrous earthquake and to fuel economic growth. The assistance will include the identification, assessment and quantification of renewable energy options such as wind, solar and biomass. \$800K expected to be available. For more info, contact Jason Bell at jbell@ustda.gov or go to: https://www.fbo.gov/?s=opportunity&mode=form&id=381bf13f574e4baee474468a6f994556&tab=core&_cview=0. Refer to Sol# CO2010510006. (FBO 6/5/10)

Manufacturing and Construction Machines and Equipment

The National Science Foundation requests proposals for Manufacturing and Construction Machines and Equipment. This program supports fundamental research leading to improved machines and applications for both manufacturing and construction. Key goals are to advance the transition of these industries from skill-based to knowledge-based activities and to develop them as activities with minimal environmental and societal impact. Research projects addressing renewable energy have been awarded in 2010. \$300K expected to be available. For more info, contact George Hazelrigg at ghazelri@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346. Refer to Sol# PD-10-1468. (Grants.gov 8/20/10)

New Clean Renewable Energy Bonds, Electric Cooperatives (November 1)

A new round of New Clean Renewable Energy Bonds are available exclusively to electric cooperatives from the unallotted \$191 million portion of the 2009 \$800 million national bond Volume Cap. Allocations of New CREBs Volume Cap are valid for three years after the date of the letter issuing the allocation. The application deadline is November 1, 2010.

Contact:

Tracy Warren, NRECA

tracy.warren@nreca.coop

PH: 703-907-5746

Cell: 703-517-3411

National Environmental Information Exchange (November 5)

The U.S. Environmental Protection Agency requests proposals for the National Environmental Information Exchange Network Grant Program. This program supports the exchange of environmental data and collaborative work within the Exchange Network and may also be used to fund the standardization, exchange and integration of geospatial information to address environmental, natural resource, and human health challenges. \$10 million expected to be available, up to 50 awards anticipated. Responses due 11/5/10. For more info, contact Ryan Humrighouse at humrighouse.ryan@epa.gov or go to: <http://www.epa.gov/networkg/grants/>. Refer to Sol# EPA-OEI-11-01. (Grants.gov 8/13/10)

Climate Change and Health, HHS

The U.S. Department of Health & Human Services requests proposals for Climate Change and Health: Assessing and Modeling Population Vulnerability to Climate Change. This RFP encourages research of risk factors of populations that lead to or are associated with increased vulnerability to exposures, diseases, and other adverse health outcomes related to climate change. For more info, including funding and program contacts, go to: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-235.html>. Refer to Sol# PAR-10-235. (Grants.gov 7/21/10)

Climate Data Record Program, Commerce, NOAA (November 10)

The U.S. Department of Commerce, NOAA, requests proposals for the Climate Data Record Program. This program seeks to support the development and stewardship of Climate Data Records for the atmosphere, cryosphere, oceans, and land surface. \$2.5 million expected to be available, up to 15 awards anticipated. Letters of Interest due 9/15/10, final proposals due 11/10/10. For more info, contact Linda Statler at Linda.S.Statler-at-noaa.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&opId=56019>. Refer to Sol# NOAA-NESDIS-NESDISPO-2011-2002566. (Grants.gov 11/10/10)

Energy Production with Innovative Methods of Geothermal Heat Recovery, DOE (November 30)

From DOE:

Funding Opportunity Announcement Number: DE-FOA-0000336

Announcement Type: Initial

CFDA Number: 81.087

Issue Date: 08/19/2010

Pre-Application Due Date: 10/01/2010, 11:59 P.M. Eastern Time

Full Application Due Date: 11/30/2010, 11:59 P.M. Eastern Time

REGISTRATION AND APPLICATION SUBMISSION REQUIREMENTS

Registration Requirements: Allow at least 21 days to complete registrations.

To submit an application under this announcement, complete the following registrations:

1. Obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, at <http://fedgov.dnb.com/webform>.
2. Register in the Central Contractor Registration (CCR) system, at <https://www.ccr.gov/>. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in CCR registration. These items are needed to submit applications in Grants.gov. Update your CCR registration annually.
3. Register in Grants.gov at <http://www.grants.gov/>. See the Organization Registration User Guide at <http://www.grants.gov/assets/OrgRegUserGuide.pdf>. The Applicant User Guide is at <http://www07.grants.gov/assets/ApplicantUserGuide.pdf>.
4. Register in FedConnect at <https://www.fedconnect.net/>; use "Register as a Vendor" link. To create an organization account, your organization's CCR MPIN is required.

Where to Download the Application Package:

Download the Application Package for this announcement at <http://www.grants.gov/>. Click on the "Apply for Grants" link; then, click on the "Download a Grant Application Package" link and follow the instructions. Insert the announcement number to download the Application Package.

Where to Submit the Application Package:

Applications must be submitted through [Grants.gov](http://www.grants.gov/) to be considered for award. Follow instructions in the User's Guide for application submissions. Applicants are responsible for verifying successful transmission, prior to the Application due date and time.

Where to Ask Questions About the Funding Opportunity Announcement Content:

To ask questions about the Funding Opportunity Announcement, use FedConnect at <https://www.fedconnect.net/>. You must be a registered user in the system and submit questions by sending messages in your FedConnect email box. Part VII of this announcement explains how to submit questions to the Department of Energy (DOE).

Where to Submit Questions About the Registrations or Systems:

DUNS & Bradstreet: govt@dnb.com

Central Contractor Registration (CCR) system: <https://www.bpn.gov/ccr/contactccr.aspx>, By phone: 866-606-8220 or 334-206-7828 (8:00 A.M. to 8:00 P.M., Eastern Time)

Grants.gov: support@grants.gov, By phone: 1-800-518-4726 (7:00 A.M. to 9:00 P.M., Eastern Time)

FedConnect: support@FedConnect.net, By phone: 1-800-899-6665 (8:00 A.M. to 8:00 P.M., Eastern Time)

Industry/University Cooperative Research Centers (February 2, 2011)

The National Science Foundation requests proposals for Fundamental Research Program for Industry/University Cooperative Research Centers. This program provides support to centers to conduct fundamental research to better position themselves as leaders in emerging areas that could benefit the industries that they serve. Areas of interest include, but are not limited to: Energy and the Environment; and Advanced Manufacturing. \$1.6 million expected to be available, up to 10 awards anticipated. Responses due 2/2/11. For more info, contact Rathindra DasGupta at rdasgupt@nsf.gov or go to: <http://www.nsf.gov/pubs/2010/nsf10601/nsf10601.htm>. Refer to Sol# 10-601. (Grants.gov 8/17/10)



Events

Happening This Week in Sacramento: GEA and GRC's Annual Geothermal Events

GEA Critical Issues Workshop and Annual Members Meeting, Sacramento, CA (October 23)

What Will State and Federal Climate Change Laws and Regulations Mean for Geothermal Energy?

Contact: Kathy Kent, Kathy@geo-energy.org or Karl Gawell, karl@geo-energy.org

Reserve your space: <http://www.gifttool.com/registrar/ShowEventDetails?ID=1872&EID=7810>.

Leading Author, Federal, State Agencies to Address GEA Workshop Participants on Climate Change:

On Saturday, October 23, Eugene Linden, author of seven books and for many years a writer about global environmental issues for Time, will join federal and state agency representatives participating in GEA's Critical Issues Workshop in Sacramento. Mr. Linden has contributed to The New York Times, Foreign Affairs, National Geographic, The Wall Street Journal, The Atlantic, Fortune, and Slate and he has won numerous journalistic awards, including the American Geophysical Union's Walter Sullivan Award. He will be speaking to the question: "What the financial crisis tells us about how the world will deal with climate change."

Following his address, workshop participants will hear from key federal and state agency representatives. The California Air Resources Board, the California Energy Commission, US Department of Energy, US Department of Commerce, US Bureau of Land Management and others will discuss their programs as the workshop examines how addressing climate change could affect federal and state agencies and the geothermal industry. In addition to government participants, speakers from GEA, the Center for Energy Efficiency Renewable Technologies and Environmental Defense Fund will join leading attorneys from Stoel Rives and Wilson, Sonsini, Goodrich in the discussion.

The GEA Workshop and Annual Members Meeting is scheduled from Noon to 6pm at the Hyatt Regency room C in Sacramento, California on Saturday, October 23. The Workshop will run to approximately 4pm, when GEA staff will begin the members meeting with an overview of GEA's 2010 activities and engage members in a discussion of industry priorities for 2011. The meeting is open free of charge to GEA Members companies, Expo exhibitors and GRC members. If you are interested in attending or to view the current agenda, please visit: <http://www.gifttool.com/registrar/ShowEventDetails?ID=1872&EID=7810>.

GEA Geothermal Energy Expo® and GRC Annual Meeting, Sacramento, CA (October 24-27)

Event site: <http://www.geothermalenergy2010.com/>

Tweeting about your GEA Expo plans? Use tag #GEAEXPO. Follow us here: @GEAGeoEnergy.

Visitor registration: <http://www.geothermalenergy2010.com/visitors.asp>.

Exhibitor registration: <http://www.geothermalenergy2010.com/registration.asp>



October 24-27, 2010 | Sacramento Convention Center | Sacramento, CA

To view the floor plan for the 2010 Expo, please go to: http://www.geothermalenergy2010.com/floor_plan.asp

To view the Exhibitors contract for 2010, please go to: <http://www.geothermalenergy2010.com/contract.asp>

Hope to see you there! Please do not hesitate to let us know if you have any questions: Kathy@geo-energy.org

Come see the more than 150 exhibitors of this years Expo including: 101 Pipe & Casing, Inc., Adams Valves, Alstom Power, Ashland, Inc., Association of American State Geologists, Atlas Copco Mafi-Trench Company LLC, Ausenco PSI, Baker Hughes, Bakersfield Pipe and Supply, Baroid Industrial Drilling Products, Beniton Integrated Project Delivery Team, BM Engineering & Construction Comp., Boart Longyear Drilling Services, Boart Longyear/Energy Products, Bolttech Mannings, Brush Turbogenerators, BS&B Safety Systems, LLC, Bureau of Land Management, CA Division of Oil, Gas, & Geothermal Resources, California Energy Commission Public Interest Energy Research, Cameron, Campbell Scientific, Chase'Em Back Tools, Chevron Global Lubricants, City of Reno, Composite Cooling Solutions, Cryostar, CSE Engineering, Inc., Department of Energy, Geothermal Technologies Program, Department of Navy, Geothermal Program Office, Dewhurst Group, DHI Services, Inc., DOSECC Exploration Services, Dresser-Rand, Ecology & Environment, Inc., ElectraTherm, Inc., Emerson Process Management, EMPSi, Ensign Energy, EvapTech, Inc, Expro Americas LLC, Freemyer Industrial Pressure, Fuji Electric, GEFCO- Newsom Industries, Geo-Heat Center, George T. Hall Company, Geotech Ltd., GeoTek Energy, LLC, Geothermal Development Associates, Geothermal Education Office, Geothermal Energy Association, Geothermal Resources Council, GeothermEx, A Schlumberger Company, GeoThermHydro, Geothermal Resource Group, Gradient Geophysics, Inc., Great Basin Center for Geothermal Energy, GTherm, Inc, Halliburton, Holland & Hart LLP, Holtec International, Horizon Well Logging, Imperial Valley/IID, Ind Valco, Reno-Win, & Beric Valves, Industrial Cooling Solutions, Industrial Tests, Inc., Institute of Earth Science & Engineering, Islandsbanki, Itasca International Inc., ITT, JBR Environmental Consultants, Inc., JD Rush Company, Kelly Pipe, Kiewit/TIC, Kuster Company, L.A. Turbine Corporation, Layne Christensen, Leapfrog Geothermal, Linear Power, Machine Support Technologies, Inc., MadgeTech, Inc., Magma Energy Corporation, Major Drilling America Inc., Matrix Chemical Solutions, McHale Performance, MEGTEC Systems, Mill Man Steel, Mitsubishi Power Systems Americas, Nalco, Nash, A Gardner Denver Product, National Oilwell Varco, Nevada Commission on Economic Development, Ormat Technologies, Inc., PCL Industrial Services, Inc. Perma Works LLC, Plymouth Tube Company, Potter Drilling, Inc., POWER Engineers, Inc., PowerChem Technology, Pratt & Whitney Power Systems, Precise Propellant Stimulation, LLC, Processes Unlimited International Inc., Quantec Geoscience, Rain for Rent, Ram Power, Raser Technologies, Rattler Energy, RenewableEnergyWorld.com, Rigger Engineering, RMT, Inc., Rockwell Automation, Rocky Mountain Oilfield Testing Center, Rotork Controls, Inc., Ruen Drilling, Inc., Sacramento Municipal Utility District (SMUD), Severe Service Specialists, Siemens Industry, Inc., Sierra Environmental Monitoring, SnapOn Industrial, SNC-Lavalin Thermal Power, SpecTIR, SPX Corporation, Stoel Rives LLP, Stork H&E Turbo Blading Inc., Sulzer Pumps, Sunrise Engineering, Inc., TAS, TBA Power, Inc., Team Australia Geothermal, Tenaris, The Avogadro Group, The Shaw Group, ThermaSource, LLC, Thermochem, Tiger Energy Services, Titan Metal Fabricators, TIX Corporation, TNG Energy Services, Inc., Toshiba International Corp, TRE Canada Inc., Tricor Metals, TurboCare, Tyco Flow Control, Universal Plant Services, University of Colorado Denver, Vooner FloGard Corporation, WEC Welding and Machining, Well Analysis Corporation, Wellons Water Technology, Western Cultural Resource Management, Inc., Western Environmental Testing Laboratory, Wolseley, Wolverine Tube, Inc., Wood Group Field Services, WorleyParsons, Zapata Geophysics, and Zonge Engineering.

Every year, the Geothermal Energy Expo® hosts the world's largest gathering of vendors providing support for geothermal resource exploration, characterization, development, production and management. It provides a unique opportunity for exhibitors to showcase their projects, equipment, services and state of the art technology to the geothermal community. The Expo is held in conjunction with the GRC Annual Meeting, www.geothermal.org.

Last year's count was 2300 participants and planning shows this year's numbers will top it. This year the Expo will be held in Sacramento, CA at the Sacramento Convention Center Complex, a component of the City of Sacramento Convention, Culture and Leisure Department.

Exhibitor Benefits include:

- * 50-word company listing in the official event guide
- * Exhibit Booths are 10' x 10' and has an 8' high back drape and 3' high side drapes
- * A 7" x 4" identification sign with the Exhibitor's name and space number
- * Each booth will also include a table, two chairs and a wastebasket.
- * Enhanced Exhibitor Listing on event website, www.geothermalenergy2010.com
- * For every 100 sq ft exhibitors receive 3 booth staff passes

To view the floor plan for the 2010 Expo, please go to: http://www.geothermalenergy2010.com/floor_plan.asp

To register as an Exhibitor, please go to: <http://www.geothermalenergy2010.com/registration.asp>

To view the Exhibitors contract for 2010, please go to: <http://www.geothermalenergy2010.com/contract.asp>

More information including sponsorship opportunities, room block, and special events coming soon. We are looking forward to another great Expo! Please do not hesitate to let us know if you have any questions.

Contact: Kathy@geo-energy.org

Mini-Guide to the GEA Geothermal Energy Expo® 2010

Exhibitors, presenters, sponsors, attendees and staff all eagerly anticipate the geothermal event of the year, GEA's Geothermal Energy Expo and the GRC Annual Meetings, coming October 24–27 in Sacramento, CA. The 2010 Expo will feature over 160 Exhibitors from 31 US states and 10 countries: The number of Exhibitors at the Geothermal Energy Expo has more than doubled since 2008. Between the Geothermal Energy Expo and the GRC Annual Meeting over 2500 participants are expected. To stay in touch with all of the industry celebration and business that is the Geothermal Energy Expo follow us on Twitter at <http://twitter.com/GEAgeoenergy>.

Opening Reception

The Geothermal Energy Association and Geothermal Resources Council invite you to the official kick-off on Sunday, October 24, 6–8:00pm in the Expo Hall at the Sacramento Convention Center.

Virtual Job Fair

As a new addition for the GEA Geothermal Energy Expo 2010, GEA will host a job fair. Look for the Job Fair table in the West Lobby near the Geothermal Energy Expo registration desk for a map of the Expo Hall to see what exhibitors have job opportunities available. Visit the hiring exhibitors to pick up company literature, meet the staff and make introductions. For more details on job listings, please visit our website at <http://www.geothermalenergy2010.com/VirtualJobFair.asp>.

VIP Tour of the Expo Hall

GEA staff will offer a tour of the Expo Hall at the Geothermal Energy Expo 2010 at noon on Monday, October 25th and Tuesday, October 26th. No reservation required. Just look for signage next to Expo Registration Counter in the West Lobby Convention Center. Tours will leave at approximately 12:05pm.

GEA Booth

Stop by the GEA booth, booth 106 to see what GEA has been up to in 2010 and our plans for 2011. We will also be featuring information on GEA membership, the *Geothermal Energy Weekly*, GEA publications, and events. Here you will also find out more information about GEA's new and exciting initiatives for 2011.

Best in Show Awards

On the final day of the Expo, Wednesday, October 27th at noon, GEA will celebrate by presenting our much-anticipated, highly sought-after Best in Show Awards to exhibitors chosen by a select panel of judges....and don't forget to vote for the People's Choice Award.

We can't wait to see you. Visit the Expo Web site at <http://www.geothermalenergy2010.com>. Please feel free to email Kathy@geo-energy.org with any questions.

Geothermal Energy Expo® Sponsorship Opportunities

To inquire about additional sponsorship opportunities, contact Kathy Kent at kathy@geo-energy.org

Water Sponsor - \$3,500 (Exclusive) - **SOLD: TNG Energy Services**

Exhibition Aisle Signs – 1/ Aisle Section - \$1,000 (Limit 8) - **SOLD: Mitsubishi Power Systems**

Geo-Cyber Area Sponsorship - \$5,000 (Exclusive) - **SOLD: Geothermal Resource Group**

Expo Triangular Eco-Highlighters - \$2,500 (Exclusive) - **SOLD: Ruen Drilling**

Expo Eco-Pens - \$2,000 (Exclusive) - **SOLD: Ram Power Corporation**

GRC Annual Meeting and GEA Geothermal Energy Expo® Mutual Sponsorships 2010

To inquire about additional sponsorship opportunities, contact Kathy Kent at kathy@geo-energy.org

Platinum Level - \$30,000 (Limited to maximum of 5 sponsors) - **SOLD: Halliburton**

Gold Level - \$15,000 (Limit 5) - **SOLD: Stoel Rives LLP**

Silver Level - \$7,500 (Unlimited) - **SOLD: City of Reno**

Breaks

Afternoon Coffee and Sweets, Monday - \$5,000 (Exclusive) - SOLD: The Shaw Group

Morning Coffee, Tuesday - \$2,500 (Exclusive) - SOLD: Enel North America/Enel Green Power

Afternoon Coffee and Sweets, Tuesday - \$5,000 - SOLD: Gradient Resources

Morning Coffee, Wednesday - \$2,500 - SOLD: POWER Engineers

Variety Items

Neck Wallets - \$10,000 (Exclusive) - SOLD: Calpine Corporation

Annual Meeting and Expo Delegate Bags - \$15,000 (Exclusive) - SOLD: Ormat Technologies

GEA would like to thank our media partners for the Geothermal Energy Expo 2010: NA Clean Energy, RenewableEnergyWorld.com, Thinkgeoenergy.com, The Energy Report and Low Carbon Economy, and AltEnergyMag.com.

AltEnergyMag.com: A News and Information Resource for Alternative Energy. Daily News Stories, Hot Products, Industry Tools, Hundreds of Articles and more. Join with 35,000+ industry players and alternative energy enthusiasts who visit each month to find out how to grow their businesses and expand their knowledge. To stay in the know ... please subscribe to our AltEnergyMag.com Industry Newsletter so we can keep you informed on all the latest news, products, and marketing opportunities to grow your business.

<http://www.altenergymag.com/subscribe.php>

Low Carbon Economy: The Low Carbon Economy is a central resource for the low carbon economy, connecting people and businesses with low carbon products and services, information, initiatives, and each other. We created The Low Carbon Economy in 2006 to capitalize on everything we have learned over the years at Fuel Cell Markets, and to apply our unique knowledge, resources and experience towards assisting the development of a low carbon economy as a whole. Our unique drive and resources have enabled us to create an exceptional company uniquely positioned to deliver a truly useful online resource which has the potential to help millions of people and businesses across the globe.

www.LowCarbonEconomy.com

Kenya Geothermal Energy Business Briefing, Sacramento, CA (October 26)

Tuesday, October 26, Hyatt Regency Hotel (Regency F)

Register today at www.mse-ov.com/kenya.html

Contact: Dale Rice (703) 961-0710

The U.S. Trade and Development Agency (USTDA) is sponsoring this informative event in conjunction with the GRC/GEA conference to give U.S. geothermal energy firms an opportunity to learn more about upcoming opportunities in the Kenyan geothermal sector and to meet key officials and decision makers in Kenya's energy sector.

The registration fee is \$35 and includes a briefing handbook, a luncheon and an opportunity to meet privately with the delegates for up to 20 minutes. Meeting times are limited and will be scheduled on a first-come, first-serve basis. Your meeting time will be scheduling during the briefing.

Background: The government of Kenya is embarking on a push to increase Kenya's utilization of its geothermal power resources and is encouraging public private partnerships for additional geothermal power development up to a total capacity of ~480 MW by 2013. With plans to expand existing resources and develop new resources, available funding from the World Bank and a private-sector friendly power sector, there are excellent opportunities for U.S. companies to increase their involvement in Africa's most viable geothermal power environment. During the Business Briefing the delegates, who include all the major stakeholders in Kenya's power sector, will discuss upcoming projects and the export opportunities for U.S. equipment and services suppliers for these planned projects.

Agenda:

Morning

- Registration and Breakfast
- Welcome and Opening Remarks
- Overview of Kenya Geothermal Opportunities and U.S. Export Assistance Programs
- Presentations by Kenyan Energy Companies
- Questions and Answers

Afternoon

- Private Meetings with Delegates

GEA Events

GEA Calendar of Events for 2011

February 9, 2011 — GEA Geothermal Energy Finance Forum, New York, NY

March 7-10, 2011 — Renewable Energy World North America Conference and Expo, Tampa, FL

May 4-5, 2011 — GEA Geothermal New Technologies and Applications Showcase and Forum and Member's Meeting, Washington, DC

July 20, 2011 — GEA Geothermal Energy Finance Forum, San Francisco, CA

October 23-26, 2011 — GEA Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA

Look for more information on these upcoming events at <http://geo-energy.org/events.aspx>.

For sponsorship and speaking opportunities, or if you have other questions, contact Kathy Kent at Kathy@geo-energy.org.

Why Should You Attend GEA Events?

As the national trade association for the geothermal industry, the Geothermal Energy Association (GEA) strives to create and deliver educational events involving the full range of the geothermal industry, reflecting the dynamic growth of the geothermal market, and communicating the benefits of geothermal energy to all. GEA events offer important opportunities to learn and network within the geothermal community, and to inform and educate companies and organizations outside today's industry that are interested in learning more about geothermal energy. The revenue generated from GEA events is used to advance the goal of the GEA, "to expand the

production and use of geothermal energy in the United States and around the world.” The revenue supports GEA’s workshops and events, communications activities, outreach efforts, policy related activities and analysis, internet publications, and other initiatives designed to help achieve this goal. ONLY GEA puts your dollars to work in all of these ways to advance the future of the geothermal energy industry. And, GEA does not sell your email or postal address to junk mailers or spammers.

To keep track of new events and changes to this calendar go to: www.geo-energy.org.

Other Events

5th International Conference on Renewable Energy Investments, Chile (November 9–11)

On November 9th - 11th, the Ministry of Energy, the Chilean Economic Development Agency and the Center for Renewable Energy will hold the 5th International Conference on Renewable Energy Investments. For more information please visit the conference website: www.chilerenewables.com

Australian Geothermal Energy Conference, SA, Australia (November 16–19)

Australian Geothermal Energy Association

<http://www.ausgeothermal.com/>

Geothermal Investment Forum and Networking Event, CanGEA, Calgary, AB (December 2)

Geothermal Investment Forum and Networking Event (December 2nd, 2010 – Calgary, AB), Calgary Geothermal Power Investment Workshop and Networking Reception. CanGEA is proud to host, geothermal developers, investors, energy companies and policy makers, to explore advances and opportunities in the industry. See <http://www.cangea.ca/events/>.

GeoPower Europe, European Geothermal Energy Council, Paris, France (December 8–9)

For the current agenda and to register, visit

<http://www2.greenpowerconferences.co.uk/EF/?sSubSystem=Prospectus&sEventCode=GE1012FR&sSessionID=8ae2803966ed82ae2265bfed68f83b92-1060598>.

POWER-Gen International, Orlando, FL (December 14–16)

<http://www.power-gen.com/index.html>

Renewable Energy World North America 2011, Tampa, FL (March 8–10, 2011)

<http://www.renewableenergyworld-events.com/index.html>

Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory, Dallas, TX (June 13–15, 2011)

<http://smu.edu/geothermal/>

GEOTHERMAL ENERGY WEEKLY

A newsletter for the geothermal industry written by Leslie Blodgett and Karl Gawell

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