



**This Week**  
**January 7, 2011**

**National News..... 3**

- House Republicans Introduce New Congressional Rules ..... 3
- New Senate to Continue Energy Legislation Efforts..... 3

**Company News..... 4**

- BLM Nevada: State Director Ron Wenker Retires..... 4
- Capricorn: Caldera Geothermal Appoints Zohrab Mawani as Director ..... 5
- Ormat Technologies: Unit to Forego DOE Loan Guarantee for Three Projects..... 5
- Ram Power: Successful Well Announced at Orita, Imperial Valley..... 6

**State News ..... 6**

- Geothermal Royalties will be Restored to Counties ..... 6
- California: Commission Certifies Final EIR for Cobb Mountain Expansion ..... 7
- California: Gov. Jerry Brown Outlines Energy Plan ..... 7

**International News ..... 7**

- Asia/Pacific: India, Indonesia Promoting Geothermal, Chevron Explores Kalinga..... 7
- Europe: Deep Geothermal Resources in Ireland..... 8
- Africa: Rwanda Sets 300-MW Goal ..... 8

**Geothermal Heat Pumps and Direct Use ..... 8**

- Colorado: Pagosa Geothermal System to Get Upgrade ..... 8

**Notices ..... 9**

- Current Notices ..... 9
- DOE Seeks Peer Review Comments on Geothermal Life-Cycle Analysis ..... 9
- DOE Seeks Peer Review Comments on Geothermal Water Use..... 9

**Employment..... 9**

- New This Week ..... 9
- Program Manager, Office of Geothermal Technologies, DOE (February 7)..... 9
- Employment Opportunities..... 10
- General Manager, Geothermal Exploration, Origin Energy ..... 10
- Landman, Nevada Geothermal Power ..... 11
- Staff Geologist/GIS Technician, Nevada Geothermal Power ..... 11
- NREL Seeking Applicants for Geothermal Analysis Group ..... 11

Senior Level Assistant Site Manager, Operations and Maintenance..... 11  
 Senior Principal Geothermal Geologist – Brisbane, Australia..... 11  
 Vice President Geology, Western US ..... 11  
 Geothermal Openings, NREL, Boulder, CO..... 11  
 Drilling Manager, NV ..... 11  
 Geophysicist, Calpine, The Geysers, CA..... 12  
 Renewable Energy Mechanical/Systems Engineer, Idaho International Laboratory, ID ..... 12  
 Project Manager ..... 12  
 Development Manager ..... 12  
 Project Manager Geothermal Exploration, Europe ..... 12

**Requests for Proposals..... 12**

New This Week ..... 12  
 Geothermal Resources Development Account, California Energy Commission (February 24) ..... 12  
 Proposal Announcements ..... 14  
 Refurbished 27-MW Marine Turbine, Ram Power ..... 14  
 Switzer Environmental Fellowships (January 15) ..... 14  
 WaterSMART - California (January 31) ..... 15  
 Open Tender for Geothermal in Aceh, Indonesia (January 31) ..... 15  
 USTDA-Sponsored Indonesia Geothermal Power Training Program Is Offering Business Development Opportunities for U.S. Companies (January) ..... 15  
 Industry/University Cooperative Research Centers (February 2) ..... 16  
 Sensors and Sensing Systems (February 15) ..... 16  
 Control Systems, NSF (February 15)..... 17  
 Manufacturing Enterprise Systems (February 15) ..... 17  
 Materials and Surface Engineering (February 15) ..... 17  
 Structural Materials and Mechanics (February 15) ..... 17  
 Mechanics of Materials (February 15)..... 17  
 Materials Processing and Manufacturing (February 15) ..... 18  
 Manufacturing and Construction Machines and Equipment (February 15)..... 18  
 Development of 400-MW Geothermal Power Plants, Kenya (February 21) ..... 18  
 International Young Eco-Hero Awards (February 28)..... 19  
 Climate Change and Health, HHS (May 24) ..... 19  
 U.S. DOE Office of Science (September 30) ..... 19  
 U.S. Navy Energy Conservation Projects (October 31, 2012) ..... 19  
 Coordination of the Colorado Geothermal Working Group ..... 20  
 Alaska Fairbanks North Star Borough Offers \$1M Matched-Funds Grant..... 20  
 Partner Sought for Hot Oil and Gas Wells, Mississippi ..... 20

**Events..... 20**

New This Week ..... 20  
 Latin American-Caribbean Geothermal Meeting, Jan 27, Reno, Nevada..... 20  
 GEA Events..... 21  
 Calendar of 2011 GEA and GEA-Sponsored Events..... 21  
 Geothermal Energy Finance Forum 2011, NYC, NY (February 9) ..... 22  
 CGEC Events Announced for Spring 2011 ..... 23  
 Renewable Energy World North America 2011, Tampa, FL (March 8–10) ..... 23  
 REWNA Conference Workshop: Geothermal Energy 201 and Geothermal in the Southeastern U.S., Tampa, FL (March 8) ..... 23  
 Why Should You Attend GEA Events? ..... 24  
 Other Events ..... 25  
 Geothermal Heat Pump Training (Various Dates) ..... 25  
 BLM Announces Geothermal Lease Sale (March 22, 2011) ..... 25  
 Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory, Dallas, TX (June 13–15, 2011)..... 25



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



## **National News**

### **House Republicans Introduce New Congressional Rules**

[House Republicans are working toward a rules package for the 112<sup>th</sup> Congress.](#) Changes to the House rules will be targeted toward honoring the Pledge to America, creating greater transparency, and managing the budget. Members will need to include with proposed bills or joint resolutions a “statement citing as specifically as practicable the power or powers granted to Congress in the Constitution to enact” it.

The proposed standards for transparency and openness include posting bills online for three days before voting, and in general posting markups and amendments as well. Hearings and markups will be made available via webcast. The new rules place limitations on long term spending, and also require cut-as-you-go to all bills dealing with mandatory spending.

### **New Senate to Continue Energy Legislation Efforts**

In the Senate, Majority Leader Harry Reid will set the energy agenda. Both parties have shown interest in federal renewable power mandate that includes wind, solar, and geothermal as well as nuclear and clean coal uses. Reduction of air pollutants will be in the forefront, as efforts at a cap and trade program seem to have gone by the wayside. Here are [10 senators Politico names as major players in energy and environmental policy](#):

Sen. Harry Reid (D-Nev.) — Reid has been a champion of geothermal energy as well as solar, with both playing prominent roles in his state.

Lamar Alexander (R-Tenn.) — Alexander has been willing to work with Democrats on legislation reducing emissions.

Sen. Jeff Bingaman (D-N.M.) — As chairman of the Energy and Natural Resources Committee, Bingaman spearheaded two major bipartisan energy bills.

Sen. Lindsey Graham (R-S.C.) — Graham worked on bipartisan climate and energy legislation but later abandoned it. However, he still supports increased production of low-carbon electricity, with the trade-off being prevention of too much EPA regulation.

Sen. Joe Lieberman (I-Conn.) — Lieberman led the drafting of climate and energy section on boosting production of nuclear power. He has said he wants to get a wider group of senators together on energy issues.

Sen. Lisa Murkowski (R-Alaska) — Murkowski led her party on an Energy and Natural Resources panel, and has joined with oil-state lawmakers in both parties. She has said the abandonment of cap and trade should facilitate talks.

Sen. Mary Landrieu (D-La.) — Landrieu defends her state's oil and gas industry, working on efforts to speed up dormant permitting of offshore drilling.

Sen. Barbara Boxer (D-Calif.) — Boxer's attempts at a cap and trade bill did not pass, but she continues to work on crafting infrastructure bills, and co-leads with Senator Kerry a group of Democrats in discussion of climate change and energy issues.

Sen. Max Baucus (D-Mont.) — As Finance Committee chairman, Baucus is involved in extending energy tax incentives that will expire at the end of 2011.

Sen. Bob Corker (R-Tenn.) — Corker may lead efforts to reduce federal energy loan guarantees, tax credits and other subsidies.

---

## **Company News**



### **BLM Nevada: State Director Ron Wenker Retires**

BLM Nevada State Director Ron Wenker retired at the end of December with 39 years of public service with the Bureau of Land Management. Ron felt privileged to work with outstanding employees, government and industry leaders, local concerned citizens and national organizations. He worked in five western states and Washington, DC and was fortunate to have managed some of the most spectacular landscapes on the planet. Ron started his first BLM job as a GS-3 Range Aid in the summer 1971 in Ely. According to Ron, he really couldn't ask for a more rewarding and challenging career. Amy Lueders will be the acting Nevada state director.

## **Capricorn: Caldera Geothermal Appoints Zohrab Mawani as Director**

[Press Release](#), Toronto, Ontario, January 5 — Capricorn Business Acquisitions Inc. (TSX VENTURE:CAK.P) is pleased to announce that Mr. Zohrab Mawani has been appointed to the board of directors of Caldera Geothermal Inc. Capricorn has signed a binding letter of intent to complete a Qualifying Transaction (the "Qualifying Transaction") with Caldera as most recently disclosed in Capricorn's press release dated December 9, 2010. Accordingly, it is now proposed that, on completion of the Qualifying Transaction, Capricorn's board of directors will be comprised of a total of eight directors, being the seven proposed directors disclosed in Capricorn's press release dated December 9, 2010 and Mr. Mawani (subject to the approval of TSX Venture Exchange).

Since 2002, Mr. Mawani has been active in development and M&A for wind, solar, biomass and hydro. He currently leads Canadian business development activities in renewable energy for Samsung C&T (since 2009). His current focus is implementation of the 2,500 MW Green Energy Investment Agreement between the Government of Ontario, Samsung C&T and Korea Electric Power Corporation. Mr. Mawani's role includes strategy, acquisitions, Greenfield development, negotiations (equipment supply, power purchase), as well as government relations.

## **Ormat Technologies: Unit to Forego DOE Loan Guarantee for Three Projects**

[Press Release](#), RENO, Nevada, December 27 -- Ormat Technologies, Inc. (NYSE: ORA) announced today that its subsidiary, Ormat Nevada Inc. ("Ormat"), decided not to proceed with the Part II of the DOE loan guarantee program application for Wister, CD-4 and Dead Horse Wells geothermal projects, currently under construction in California and Nevada. The decision was made in coordination with John Hancock Life Insurance Company (U.S.A.) ("John Hancock") relative to the pending application for up to \$330 million in DOE funding. Ormat has decided to explore commercial financing for the projects in lieu of DOE support.

Under the guidelines of the Financial Institution Partnership Program ("FIPP") supported by Section 1705 of the American Recovery and Reinvestment Act of 2009, projects backed by the program must have all the permits necessary for the projects by September 2011. The decision by Ormat and John Hancock to remove the projects from the application was due to uncertainties in the permitting process and the transaction costs associated with the program.

The Jersey Valley, McGinness Hills and Tuscarora projects, all located in Nevada, are covered under a separate DOE application that is in process. Ormat expects to secure financing for these three Nevada projects under the FIPP program before the program expires.

## Ram Power: Successful Well Announced at Orita, Imperial Valley

[Press Release](#), RENO, NEVADA- December 21 – Ram Power, Corp. (TSX: RPG) ("Ram Power"), a leading renewable energy company focused on the development, production and sale of electricity from geothermal energy announced today it has successfully drilled and flow tested the Company's Orita No. 2 well located in the Imperial Valley, California. The well was flow tested with a sustained flow rate of approximately 500,000 pounds per hour at 155 psig with a bottom hole temperature exceeding 570 Deg F. GeothermEx, Inc., the largest, most comprehensive geothermal consulting and services firm in the Western hemisphere, was present at the testing site and confirmed the Company's flow test results.

Typically wells with a flowing temperature and flow rate as measured at Orita No. 2 are considered very viable for commercial power generation. Management estimates the capacity of the well to be in the 8 - 10MW range. In addition, upon initial chemical inspection, the salinity is in a conventional range so there should be no need to use more expensive casing or complicated power conversion technology to utilize the resource.

The Orita No. 2 well validates Ram Power's resource thesis in the Imperial Valley, and confirms the existence of a substantial high temperature fluid reservoir previously encountered in the 1980's with the drilling of the Emanuelli #1 well. In the first quarter of 2011 the Company will continue its Imperial Valley exploration program with the commencement of drilling on a production well at the previously drilled and proven Emanuelli #2 well location.

---

## **State News**

### **Geothermal Royalties will be Restored to Counties**

As part of the budget extension, HR 3082 reversed a decision by the Office of Management and Budget and the Department of the Interior to take away geothermal royalty payments from counties. The payments are used for services such as public safety and road maintenance.

"During these tough economic times, it is important that we ensure our local communities are able to collect these essential funds," said Rep. [Mike Thompson, D-California](#), who worked in the House to restore the royalties.

"Nevada's rural counties rely on this funding for essential services such as public safety, transportation and education," said Sen. [Harry Reid, D-Nevada](#). "By restoring these full payments, we're putting this money back into the community where it belongs to create jobs and strengthen our local economies."



## California: Commission Certifies Final EIR for Cobb Mountain Expansion

The expansion of [Bottle Rock Power LLC's geothermal project on Cobb Mountain will go forward](#). Lake County Planning Commission heard five and a half hours' worth of testimony from neighbors and Bottle Rock Power officials before determining that the final environmental impact report was sufficient. Bottle Rock Power seeks to eventually add up to 22 wells. County Administrative Officer Kelly Cox said over the past three decades the geothermal industry has been one of the county's "few consistently successful economic engines."

## California: Gov. Jerry Brown Outlines Energy Plan

As [Governor Jerry Brown takes office in California, his clean energy plan](#) focuses on jobs and is divided into several tiers of renewable energy projects. In first tier, 12,000 MW of localized electricity generation will be built focusing on onsite energy systems or systems near the area where the electricity is consumed. Gov. Brown's second tier is to build 8,000 MW of large-scale renewable energy production and transmission lines, and to push for a minimum 33%renewable energy for the State of California. He then plans to create 8,500 jobs through incentivizing the development of energy storage systems.

---

## International News



## Asia/Pacific: India, Indonesia Promoting Geothermal, Chevron Explores

### Kalinga

#### India: Gujarat Plans for Geothermal Energy Policy

India's Gujarat state is [drafting a policy for promotion of geothermal energy](#), Chief Minister Narendra Modi has told press. This year the s state will offer nine geothermal working areas along with 10 coal-bed methane areas and 50 new oil and gas blocks. A solar program set up in January 2009 has resulted in awards for 716 MW in solar projects to companies.

#### Indonesia: Boediono Pushes for Geothermal Projects

Geothermal energy [projects must be finished this year](#) to meet deadlines given to PLN, the state-owned power company assigned with purchasing. Vice President Boediono last week reminded stakeholders to meet the deadline. PLN is expected to produce 3,900 MW in 2014.

#### Philippines: Chevron Explores Geothermal in Kalinga

Consultants from [Chevron Corporation visited Kalinga province areas to look into possibilities for geothermal](#) energy production. Chevron along with Aragorn Power and Energy Corporation and the Guidance Management

Corporation are looking at sites studies by past explorers. An anthropologist working with Chevron said the company has land ownership and other issues to resolve before a full investment occurs.

## **Europe: Deep Geothermal Resources in Ireland**

### Ireland: SLR Consulting Explores Geothermal Potential

SLR Consulting will carry out an [analysis of the deep geothermal resources of the Republic of Ireland](#), following the country's Geothermal Energy Development Bill established in September. SLR is being funded by the Sustainable Energy Authority Ireland and is designed to advance geothermal energy development. "The results from SLR Consulting's Play Fairway Analysis will encourage more exploration companies to get involved, increasing investment in exploration and the likelihood of success in the development of geothermally generated electricity in Ireland," said SEAI's Head of Low Carbon Technologies, Katrina Polaski. GT Energy is the first company in Ireland and Britain to focus on the harnessing of deep geothermal energy, which has "real potential in the Dublin area," according to Pdraig Hanly, managing director.

## **Africa: Rwanda Sets 300-MW Goal**

### Rwanda: Goal Set for 300 MW of Geothermal Power by 2017

Rwanda [aims to produce 300 MW of electricity from geothermal sources](#) and connect half of all households to electricity by 2017. Energy Minister Coletha Ruhanya has said geothermal could meet 50% of the nation's electricity requirements by 2020. Rwanda plans to drill three wells in 2011. Development of domestic geothermal resources "must be seen to be a catalyst for social economic development. We must therefore formulate the right policies that seek to integrate the active participation of local communities and local investors," according to Ruhanya.

---

## **Geothermal Heat Pumps and Direct Use**



### **Colorado: Pagosa Geothermal System to Get Upgrade**

Pagosa Springs Town's geothermal system, which has been in place since the early 1980s will receive an [upgrade through a partnership with Hardin Geothermal](#) LLC. The partnership will solve imminent problems with initial needs running about \$300,000, and totals up to the millions. The move will provide local jobs and keep money local, as most homes in the downtown are currently heated with gas imported from Arizona. As much as 50% in savings will be made for properties that switch to geothermal.



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

---

## **Notices**



### **Current Notices**

#### **DOE Seeks Peer Review Comments on Geothermal Life-Cycle Analysis**

Life-Cycle Analysis Results of Geothermal Systems in Comparison to Other Power Systems  
Draft for Peer Review

The Geothermal Technologies Program is soliciting peer review comments on the draft report Life-Cycle Analysis Results of Geothermal Systems in Comparison to Other Power Systems from Argonne National Laboratory. ANL concludes that "despite the large amount of steel and concrete required per MW power capacity, enhanced geothermal systems are one of the lower GHG emitters of the renewable systems studied per unit of lifetime kWh output. EGS GHG emissions can be reduced even further as well depth decreases."

See <http://www1.eere.energy.gov/geothermal/plans/comments.cfm?doc=lifecycle>

#### **DOE Seeks Peer Review Comments on Geothermal Water Use**

Water Use in the Development and Operation of Geothermal Power Plants  
Draft for Peer Review

The Geothermal Technologies Program is soliciting peer review comments on the draft report Water Use in the Development and Operation of Geothermal Power Plants from Argonne National Laboratory. ANL concludes that "Overall, geothermal technologies appear to consume less water on average over the lifetime energy output than other power generation technologies."

See <http://www1.eere.energy.gov/geothermal/plans/comments.cfm?doc=wateruse>

---

## **Employment**



### **New This Week**

#### **Program Manager, Office of Geothermal Technologies, DOE (February 7)**

The Department of Energy continues to look for a program manager for its Geothermal Technologies Program. This is a full time permanent position located in Washington, DC. Applications will be accepted from all United States Citizens. Noncompetitive consideration: Current career Senior Executives, Service (SES), Qualifications Review Board (QRB) certified graduates of an SES Candidate Development Program, and individuals with SES reinstatement eligibility may be considered noncompetitively for appointment to this position if they meet the mandatory Technical Qualification requirements.

How to apply:

- 1.) Submit an online resume and respond to the job specific questions. Apply online at [USAJOBS](#)
- 2.) If you are unable to apply online, call the Human Resources Specialist listed in the announcement between the hours of 8:00 a.m. to 5:00 p.m. Eastern Standard Time (EST).
- 3.) Submit all required documents by 11:59 pm EST on the closing date of the announcement in order to receive consideration.

For a full description and application instructions see

<http://jobview.usajobs.gov/GetJob.aspx?JobID=95291623&JobTitle=Program+Manager%2c+Office+of+Geothermal+Technologies%2c+ES-0340-00&brd=3876&vw=b&FedEmp=Y&FedPub=Y&jbf565=1&Facet=E&q=Program+Manager&where=&x=144&y=22&AVSDM=2011-01-06+14%3a06%3a00>.

## **Employment Opportunities**

For more on employment opportunities listed here visit [http://geo-energy.org/empl\\_opport.aspx](http://geo-energy.org/empl_opport.aspx).

### **General Manager, Geothermal Exploration, Origin Energy**

- Lead our Indonesia geothermal exploration business
- Jakarta based with domestic and international travel

As a result of Origin's continued commitment to renewable energy and sustainability this newly created position has been established to manage the exploration program in our Indonesian geothermal business.

Based in Jakarta you will report directly to the JV President Director (Country Manager). Starting on our flagship operation located in Northern Sumatra, you will be responsible for all exploration strategy, plans and results. In addition, you will lead other future Indonesia geothermal exploration projects.

Drawing on your background in Geoscience and Exploration Management, you will manage all Geoscience and reservoir engineers within the project and will be responsible for all resource and exploration related technical decisions.

Origin Energy is a top 20 ASX listed company in Australia and has experienced significant growth year on year since forming in 2000 which continues. Operating as a fully integrated energy provider and employing approximately 4500 employees across Australia, New Zealand and the Pacific with major projects including oil and gas exploration and production, power generation and energy retailing. Origin currently holds 51.4% of Contact Energy, which has 304 MW operating geothermal and a number of projects under development.

If you are interested in this opportunity or other geothermal opportunities please contact: Jennifer Blake on +617 3867 0022 or email [jennifer.blake@originenergy.com.au](mailto:jennifer.blake@originenergy.com.au).

**Landman, Nevada Geothermal Power**

The Company offers excellent health benefits, competitive remuneration, and opportunities for career advancement in an exciting field of endeavor. No phone calls please. Only qualified candidates will be contacted for an interview. Email resumes to: [careers@nevadageothermal.com](mailto:careers@nevadageothermal.com), Fax resumes to: 604-688-5926

**Staff Geologist/GIS Technician, Nevada Geothermal Power**

The Company offers excellent health benefits, competitive remuneration, and opportunities for career advancement in an exciting field of endeavor. No phone calls please. Only qualified candidates will be contacted for an interview. Email resumes to: [careers@nevadageothermal.com](mailto:careers@nevadageothermal.com), Fax resumes to: 604-688-5926

**NREL Seeking Applicants for Geothermal Analysis Group**

We're looking for applicants with geothermal or related technical backgrounds that have strong analytical skills and good writing/communication skills. If you have any graduate students, post-docs, former undergrads with some experience, or other contacts that are looking for employment and would be good fits for any of these positions, please forward them the information. They can also apply for the positions online at [http://www.nrel.gov/employment/job\\_openings.html](http://www.nrel.gov/employment/job_openings.html). You may also contact:

**Senior Level Assistant Site Manager, Operations and Maintenance**

Contact: [Richard@mrspokane.com](mailto: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](mailto:Shane.stevens@originenergy.com.au) Phone: +61 00 11 73858 0237

**Vice President Geology, Western US**

Please send resumes to [Bstevens@stmassociates.com](mailto:Bstevens@stmassociates.com)

**Geothermal Openings, NREL, Boulder, CO**

Go to [http://www.nrel.gov/employment/job\\_openings.html](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](mailto: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](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](mailto:Vanessa.VanDyk@inl.gov), 208-526-6325

OR apply on line at: [www.inl.gov/careers](http://www.inl.gov/careers)

**Project Manager**

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

[andrewmatkovic@carmongroup.com](mailto: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](mailto:andrewmatkovic@carmongroup.com) or (216) 539-7668

*(updated 8/20/10)*

**Project Manager Geothermal Exploration, Europe**

Contact: [droberts@penderfinancial.com](mailto:droberts@penderfinancial.com)

---

**Requests for Proposals****New This Week****Geothermal Resources Development Account, California Energy Commission (February 24)**

The Geothermal Program is opening a new funding opportunity through its Geothermal Resources Development Account (GRDA) Program. The overall purpose of the Geothermal Solicitation is to cost share and promote the development of geothermal resources and technologies.

Funding up to \$6.8 million total is available to fund GRDA grant projects. There are no minimum or maximum funding levels.

Match share contributions are required. Private For-Profit Entities must provide a match contribution of at least 50 percent of the overall project cost. Local Jurisdictions must provide a match contribution of at least 20 percent of the overall project cost.

Private entities and local jurisdictions may apply for cost share funding. Eligible private entities include individuals and organizations engaged in the exploration and development of geothermal energy for profit.

Local jurisdictions include cities, counties, any unit of Indian government, school districts and special districts including, but not limited to, regional planning agencies and public utility districts, or any combination thereof formed for the joint exercise of any power.

Other entities, such as universities, national laboratories, state and federal agencies, and not-for-profit organizations, may participate in this program only in partnership with an eligible local jurisdiction or eligible private for-profit entity.

California business entities as well as non-California business entities conducting intrastate business in California are required to register and be in good standing with the California Secretary of State to enter into an Agreement with the Energy Commission. For more information contact the Secretary of State at [www.ss.ca.gov](http://www.ss.ca.gov).

Project durations cannot exceed 36 months from date of funding.

All projects must be located in California.

Applicants are required to submit both a Pre-Application and Final Application to be eligible for funding. The Application due dates are: Pre-Application: February 24, 2011, 4:00 p.m., Final Application: April 6, 2011, 4:00 p.m.

Electronic copies of documents and forms related to this solicitation can be accessed at [www.energy.ca.gov/contracts](http://www.energy.ca.gov/contracts).

There are 2 Solicitation workshops planned.

Geothermal Program Opportunity Notice Solicitation Workshop:

January 18, 2011, 8:30 a.m. to 11:00 a.m.

Hearing Room B

California Energy Commission

1516 Ninth Street, Sacramento, CA 95814

Geothermal Program Opportunity Notice Solicitation Workshop:

January 24, 2011, 3:00 p.m. to 5:00 p.m.

Brawley Inn Hotel and Conference Center

575 West Main Street,  
Brawley, CA 92227

## Proposal Announcements

### Refurbished 27-MW Marine Turbine, Ram Power

This turbine, originally designed by Westinghouse for aircraft carrier service, has been completely refurbished for geothermal service. It has been re-rated to 27,350 kW at design inlet conditions of 469,875 lb/h 60 psig, 307F inlet conditions; 3.0" HgA exhaust. At a steam flow of 431,215 lb/h, it is expected that the turbine will produce 25,100 kW.

New engineering performed for this machine includes: New steam path engineering and all new manufacturing/performance drawings are available, including interstage and inner gland steam sealing manufacturing drawings, turbine clearance diagrams, rotor lifting diagrams, and new flow path performance curves at the anticipated steam flow rates.

Hardware includes: New 5 stage rotor, new diaphragms, generator and governor end gland steam packing sets, interstage packing sets, T1 and T2 axial aligning journal bearings, one high capacity active thrust bearing and one high capacity inactive thrust bearing, with directed lubrication and temperature sensors. The machine is set up for mounting five Bently Nevada XL-8mm proximity probes.

Also included in the sale package are: turbine casing testing, final turbine assembly check, preparation and compilation of all material certifications, test reports and QA documents.

The complete package (rotor, diaphragms, seals, and casings) can be prepared for ocean transport with appropriate preservation for short-term storage.

Turbine current delivery date is 3-4 months after a purchase agreement is established, ex-works Houston, TX, USA. Please contact [info@ram-power.com](mailto:info@ram-power.com) for further information.

### Switzer Environmental Fellowships (January 15)

The Robert and Patricia Switzer Foundation request proposals for the Switzer Environmental Fellowship Program. This program provides fellowships to graduate students in New England and California whose studies are directed toward improving environmental quality and who demonstrate the potential for leadership in their field. Awards have been made to students pursuing environmental policy, economics, land and water conservation, public health, journalism, architecture, environmental justice, business, and law as well as the more traditional sciences of biology, chemistry, and engineering. 20 fellowships of \$15K each anticipated, as well as networking and leadership support. Responses due 1/15/11. For more info, go to: <http://www.switzernetwork.org/grant-programs/fellowship-program>. (Foundation Center RFP Bulletin 10/1/10)

**WaterSMART - California (January 31)**

The U.S. Department of the Interior, Bureau of Reclamation - Mid-Pacific Region, requests proposals for WaterSMART: California Bay-Delta Agricultural Water Conservation and Efficiency Projects. Through this RFP, the Bureau seeks projects that save water, improve water management, create new supplies for agricultural irrigation, improve energy efficiency, and benefit endangered species. Projects should also increase the capability or success rate of on-farm water conservation or water use efficiency projects that can be undertaken by farmers and ranchers through irrigation system improvements and irrigation efficiency enhancements. Projects must be located within the CALFED solution area. \$5 million expected to be available, up to 7 awards anticipated. Responses due 1/31/11. For more info, contact Mary Sims at [msims@usbr.gov](mailto:msims@usbr.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=58759>. Refer to Sol# R11AF20006. (Grants.gov 11/15/10)

**Open Tender for Geothermal in Aceh, Indonesia (January 31)**

Tender Committee of The Seulawah Agam Geothermal Working Area of Aceh Government will conduct tender for Seulawah Agam Geothermal Working Area, Aceh Besar Regency that has been decreed by the Minister of Energy and Mineral Resources. Minister EMR Decree No. 1789.K/33/MEM/2007, 45,000 ha, estimated 160 MWe potential, 55 MWe Phase 1 Development Plan. Interested parties can submit written enquiries on tender process through January 31, 2011, with a pre-bid meeting on February 9, 2011. Authorized personnel must include one copy of business license when registering. Amount of bidding guarantee and account number for the tender committee will be informed during pre-PQ enquiry period. Information can be communicated to the tender committee via email: [tendcom.sag@gmail.com](mailto:tendcom.sag@gmail.com). Office of the Aceh Mining and Energy Agency is: Jlm. T. Nyak Arief No. 195 Banda Aceh, Tel. +62-651-7551773, 7554737, Fax +62-651-7553080

**USTDA-Sponsored Indonesia Geothermal Power Training Program Is Offering Business Development Opportunities for U.S. Companies (January)**

January 10 – February 11, 2011

[www.indonesiageothermal.govtools.us](http://www.indonesiageothermal.govtools.us)

The United States Trade and Development Agency (USTDA) is sponsoring an in-country Indonesia Geothermal Power Development Training Program from January 10 to February 11, 2011, followed by a Reverse Trade Mission of Indonesian delegates to the U.S. in March 2011. The Indonesian government is seeking to expand its current geothermal power generation capacity of 1,100 MW to 9,500 MW by 2025 and has vested all responsibilities for geothermal resource development with the provincial authorities and local tendering committees. The USTDA-sponsored program is aiming to train these decision-makers in geothermal resource development and transparent tendering processes, while promoting U.S. geothermal business interests in Indonesia.

The Training Program will be delivered by U.S. technical experts at six different locations in Indonesia, identified with the greatest potential for business development. USTDA is offering a unique opportunity for U.S. companies to visit these training sessions and present on their company's products / services and successful projects – to an exclusive audience of decision-makers.

Also, an Opening Event with welcome reception and dinner is scheduled in Jakarta on Friday, January 14, 2011, where U.S. companies will have an opportunity to meet and network with the central and local Indonesian authorities from across various provinces, registered for the Training Program.

This is a chance to build a relationship and highlight your company to the local authorities! For more information on participation and/or sponsorships, please contact Andrew Graves at [agraves@bcs-hq.com](mailto:agraves@bcs-hq.com) or 410.997.7778 ext. 234.

Note: Participation at and/or sponsorship of all USTDA events is limited to U.S. Firms, U.S. individuals or U.S. companies, each as defined under ([www.ustda.gov](http://www.ustda.gov)).

### **Industry/University Cooperative Research Centers (February 2)**

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](mailto: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)

### **Sensors and Sensing Systems (February 15)**

The National Science Foundation requests proposals for Sensors and Sensing Systems. This program supports research on methods to acquire and use sensor data on civil, mechanical, and manufacturing systems. The program supports fundamental research on advanced actuators, sensors, wireless sensor networks, new materials and concepts for sensing applications, power generation and energy supply for sensors and sensing systems. Also of interest is research on the strategic incorporation of sensors into both natural and engineered systems to achieve effective data acquisition and on processing and transmission of sensor data. Responses due 2/15/11. For more info, contact Shih Liu at [sliu@nsf.gov](mailto:sliu@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13349](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13349). Refer to Sol# PD-10-1639. (Grants.gov 10/22/10)

**Control Systems, NSF (February 15)**

The National Science Foundation requests proposals for Control Systems. This program supports innovative research on control theory and control technology driven by real life applications. Program emphasis is on paradigm-shifting ideas for control strategies that may be inspired by nature, unconventional applications, and the combined role of feedback and uncertainty in systems that incorporate large numbers of sensors and actuators. Responses due 2/15/11. For more info, contact Eduardo Misawa at [emisawa@nsf.gov](mailto:emisawa@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13575](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13575). Refer to Sol# PD-10-1632. (Grants.10/18/10)

**Manufacturing Enterprise Systems (February 15)**

The National Science Foundation requests proposals for Manufacturing Enterprise Systems. This program supports research on design, planning, and control of operations in manufacturing enterprises. Research projects addressing energy efficiency, renewable energy and the power grid have been awarded in 2010. Responses due 2/15/11. For more info, contact Russell Barton at [rbarton@nsf.gov](mailto:rbarton@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13342](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13342). Refer to Sol# PD-10-1786. (Grants.gov 10/25/10)

**Materials and Surface Engineering (February 15)**

The National Science Foundation requests proposals for Materials and Surface Engineering. This program supports fundamental research leading to a better understanding of the effect of microstructure, surfaces, and coatings on the properties and performance of engineering materials; and the ultimate control of these properties through material design. Responses due 2/15/11. For more info, contact Clark Cooper at [ccooper@nsf.gov](mailto:ccooper@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13356](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13356). Refer to Sol# PD-10-1633. (Grants.gov 10/18/10)

**Structural Materials and Mechanics (February 15)**

The National Science Foundation requests proposals for Structural Materials and Mechanics. This program supports fundamental research on the behavior of civil infrastructure materials and the mechanics of structural components in the built environment. Of particular interest is research on structural components consisting of natural and synthetic materials, their response to mechanical, hydrothermal, and time-dependent loads, and their impact on life-cycle performance and sustainable development of the civil infrastructure. Responses due 2/15/11. For more info, contact Clark Cooper at [ccooper@nsf.gov](mailto:ccooper@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13357](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13357). Refer to Sol# PD-10-1635. (Grants.gov 10/18/10)

**Mechanics of Materials (February 15)**

The National Science Foundation requests proposals for Mechanics of Materials. This program supports fundamental research on solid mechanics including theoretical, analytical, and computational approaches, model-based simulation, and the development of constitutive models. Responses due 2/15/11. For more info, contact

Glaucio Paulino at [gpaulino@nsf.gov](mailto:gpaulino@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13355](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13355). Refer to Sol# PD-10-1630. (Grants.gov 10/18/10)

### **Materials Processing and Manufacturing (February 15)**

The National Science Foundation requests proposals for Materials Processing and Manufacturing. This program supports fundamental research on the interrelationship of materials processing, structure, performance and process control. Responses due 2/15/11. For more info, contact Mary Toney at [mtoney@nsf.gov](mailto:mtoney@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13344](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13344). Refer to Sol# PD-10-1467. (Grants.gov 10/18/10)

### **Manufacturing and Construction Machines and Equipment (February 15)**

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. Responses due 2/15/11. For more info, contact George Hazelrigg at [ghazelri@nsf.gov](mailto:ghazelri@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13346](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346). Refer to Sol# PD-10-1468. (Grants.gov 10/18/10)

### **Development of 400-MW Geothermal Power Plants, Kenya (February 21)**

1. Introduction — GDC, a 100% state-owned corporation, tasked with accelerating the development of geothermal energy in Kenya, is undertaking steam field development at Menengai Prospect. Detailed surface studies comprising of geology, geophysics, surface heat measurement, baseline environmental and social economic assessment estimates the field potential to be about 1250 MW. The long term plan is to develop 1000 MW within this prospect. However, the current project aims to realize about 400 MW by year 2014, 600 MW by 2016 and 1000 MW by 2018.

2. Project Development Plan — The estimated 400 MW Menengai Phase I Geothermal Project including four power plant construction is projected to be completed by 2014. GDC will map the first four development blocks, drill exploration, appraisal and production wells and offer the steam to competitively selected investors who will construct the power plants and generate power with the fuel mined from these blocks. A total of 120 wells will be drilled for this Phase.

3. GDC — Under this project, GDC will undertake Resource Development and Management covering the Development Of Civil Infrastructure, Exploration and Appraisal Drilling, Feasibility Studies, Production Drilling, Reservoir Management and the Brine Reinjection System.

The main access road and drilling water reticulation system have been constructed. Two GDC rigs are already on project site and are scheduled to commence drilling by mid-December, 2010. Plans are underway to deploy four additional rigs to the project at a later stage.

4. Investors — The Investors role will include financing, design, construction, operation and maintenance of the power plants. In addition, GDC will require the selected investors to partner in financing the steam development.

For more information, please contact Martin Kabaki via email at [martin1980june@yahoo.com](mailto:martin1980june@yahoo.com)

#### **International Young Eco-Hero Awards (February 28)**

Action For Nature invites applications for the International Young Eco-Hero Awards, to recognize the individual accomplishments of young people, ages 8 to 16, for their outstanding accomplishments in environmental advocacy, environmental health, research, or protection of the natural world. Winners will receive public recognition, cash prizes, and certificates for their outstanding efforts to help protect and preserve the environment. Responses due 2/28/11. For more info, go to: <http://www.actionfornature.org/>. (Foundation Center RFP Bulletin 10/1/10)

#### **Climate Change and Health, HHS (May 24)**

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)

#### **U.S. DOE Office of Science (September 30)**

The U.S. Department of Energy, Office of Science, announces its continuing interest in receiving New and Renewal-Supplemental Applications for the Office of Science Grants and Cooperative Agreements. Areas of interest include, but area not limited to: Basic Energy Sciences, Biological and Environmental Research, and Advanced Scientific Computing. Subtopics include, but are not limited to: Materials Science, Solar Photochemistry, and Climate and Environmental Sciences. \$800 million expected to be available. Proposals accepted through 9/30/11. For more info on new grants, go to:

<https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000411&agency=DOE>. Refer to Sol# DE-FOA-0000411. For more info on Renewal-Supplemental grants, go to:

<https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000412&agency=DOE>. Refer to Sol# DE-FOA-0000412. (Grants.gov 9/30/10)

#### **U.S. Navy Energy Conservation Projects (October 31, 2012)**

The Naval Surface Warfare Center has issued a Broad Agency Announcement for White Papers that address Energy Conservation Applications for the U.S. Navy. This BAA solicits innovative concepts for Navy shipboard energy conservation and carbon footprint reduction with the potential for rapid transition to Fleet operation. The

target segment of the Fleet is the ships operated by Military Sealift Command. Responses accepted to 10/31/12. The selection of one or more sources for full proposals and potential contract award will be based on responses to the BAA and the peer review process. For more info, contact Jamie Mattern at [james.g.mattern1@navy.mil](mailto:james.g.mattern1@navy.mil) or go to:

<https://www.fbo.gov/?s=opportunity&mode=form&id=f4ea9da536f0413f20b80d9f02707b7e&tab=core&cvview=0>.

Refer to BAA# N00167-11-BAA-01. (FBO 11/3/10)

### **Coordination of the Colorado Geothermal Working Group**

The Governor's Energy Office (GEO) seeks quotes from independent contractors providing professional consulting services to assist the GEO in the coordination of the Colorado geothermal working group. Activities include: event and meeting logistic support (drafting and sending invitations, finding meeting space, contract catering services when appropriate, etc.), develop and distribute background and support material, and others.

### **Alaska Fairbanks North Star Borough Offers \$1M Matched-Funds Grant**

Alaska's Fairbanks North Star Borough is putting out a \$1 million grant through the Department of Energy for geothermal energy exploration for the proposal venture that can provide matching funds. Former Mayor Jim Whitaker initiated the request based on positive results of deep well testing 50 years ago. Luke Hopkins, Mayor of Fairbanks North Star Borough said researchers at the University of Alaska Fairbanks have shown interest. The goal is to find out whether the university's existing power plant could be replaced with a geothermal power plant.

See <http://www.azocleantech.com/details.asp?newsID=12786>

Fairbanks North Star Borough <http://www.co.fairbanks.ak.us/>

PDF: <http://co.fairbanks.ak.us/Meetings/Ordinances/2010/2010-20-1o.pdf>

### **Partner Sought for Hot Oil and Gas Wells, Mississippi**

Rich McAdoo ([rlmcardoo@continentalenergy.com](mailto:rlmcardoo@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.

---

## **Events**

### **New This Week**

#### **Latin American-Caribbean Geothermal Meeting, Jan 27, Reno, Nevada**

The U.S. Trade and Development Agency (USTDA) invites you to attend a business briefing for U.S. industry to learn about procurement opportunities in the geothermal energy sector in the Latin America and Caribbean region. U.S. companies will have the opportunity to receive the latest information on new developments in the geothermal energy sector and to discuss your products and services during one-on-one meetings with project



sponsors who are directly responsible for upcoming procurements and project opportunities. The Latin America and Caribbean delegation will include senior government officials and private sector representatives from Chile, Colombia, Dominica, Peru, St. Kitts and Nevis, and St. Vincent and the Grenadines, among other countries.

The meeting is planned for Reno, Nevada on January 27th. To register on-line, go to: [www.kealtd.com](http://www.kealtd.com). For more information, email: [mak@kealtd.com](mailto:mak@kealtd.com).

#### AGENDA:

8:15 AM – 9:00 AM

Registration and Breakfast

SILVER BARON ROOM 1 AND 2

9:00 AM

Welcome Remarks and Introductions of the Latin America and Caribbean Delegation by USTDA

9:10 AM – 12:00 PM

Presentation of Projects and Procurement Needs by Latin America and Caribbean Delegates

12:30 PM – 1:30 PM

Networking Luncheon

SILVER BARON ROOM 6

2:00 PM – 4.00 PM

One-on-One Meetings between Delegates and U.S. Companies

COST: NO CHARGE

## GEA Events

### Calendar of 2011 GEA and GEA-Sponsored Events

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](mailto:Kathy@geo-energy.org).

- February 9: GEA Geothermal Energy Finance Forum, New York, NY
- March 7-10: Renewable Energy World North America Conference and Expo, Tampa, FL
- March 8: REW-NA Conference Workshop, Geothermal Energy 201 and Geothermal in the Southeastern U.S., Tampa, FL
- April 7: California Geothermal Energy Collaborative Geothermal Education and Outreach Workshop, Davis, CA
- May 4-5: GEA Geothermal New Technologies and Applications Showcase and Forum and Member's Meeting, Washington, DC

- May 26-27: California Geothermal Energy Collaborative Summit, Mammoth Lakes, CA
- July 20: GEA Geothermal Energy Finance Forum, San Francisco, CA
- October 23-26: GEA Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA

### **Geothermal Energy Finance Forum 2011, NYC, NY (February 9)**

Back by popular demand, and featuring the Honorable President Ólafur Ragnar Grímsson, President of Iceland: Geothermal Energy Finance Forum 2011 will be held at the Ritz-Carlton, Battery Park in New York City on February 9. Registration is now available at [http://geo-energy.org/events/finance\\_forum\\_2011.aspx](http://geo-energy.org/events/finance_forum_2011.aspx)

The Geothermal Energy Association (GEA) and Gold Level Sponsor, Islandsbanki, will be holding a one-day Geothermal Energy Finance Forum on Wednesday, February 9, 2011 at the Ritz-Carlton, Battery Park in New York City. This program will bring the finance and investment community of New York City together and provide a tutorial on geothermal energy investment with top experts and major players in geothermal development and finance. The day's agenda includes presentations and panel discussion on; geothermal technology, geothermal project development, financing and investment, risk mitigation, employment, government finance and incentives, legal and regulatory issues, and case studies from developers and financiers with recent success stories. In addition to bringing together the geothermal community with the finance and investment communities, this event will highlight the global growth in geothermal production and use.

#### Confirmed speakers to date include:

The Honorable President Olafur Grimsson, President of Iceland

Dita Bronicki, CEO, Ormat Technologies

Arni Magnusson, Executive Director- International Industries, Islandsbanki

Nick Goodman, CEO, Raser Technologies

Brian Fairbank, President and CEO, Nevada Geothermal Power Inc.

Toni Volpe, President and CEO, Enel North America, a Division of Enel Green Power

Alison Thompson, VP Corporate Relations, Magma Energy Corporation

John McIlveen, Research Director, Jacob Securities, Inc.

Rick Rodgers, Managing Director, Montgomery Street Financial

Recep C. Kendircioglu, Senior Managing Director, John Hancock Financial Services

Halley Dickey, Director of Geothermal Business Development, Turbine Air Systems

Mike Ronzello, Sales and Business Development Manager, Pratt & Whitney Power Systems

John McKinsey, Partner, Stoel Rives LLP

John Pierce, Partner, Wilson Sonsini Goodrich & Rosati

Karl Gawell, Executive Director, GEA

Jonathan Weisgall, Vice President of Legislative and Regulatory Affairs, MidAmerican Energy Holdings Company

Subir Sanyal, President and Manager of Reservoir Engineering, GeothermEx, a Schlumberger Company

Vicky McDowell, Deputy Administrator, US Treasury  
Saurabh Anand, Vice President, Denham Capital  
Keith Martin, Partner, Chadbourne & Parke, LLP  
Chris Demos, Senior Investment Officer, Overseas Private Investment Corporation  
Eddie Sadan, VP of Business Development, Ram Power Corporation  
Brian Harenza, Hannon Armstrong  
Jonathan Zurkoff, VP of Finance, US Geothermal  
Louis Capuano Jr, CEO, ThermaSource  
Mark Taylor, Lead Analyst, CCS & Geothermal, Bloomberg New Energy Finance

Agenda:

7:30 am Registration  
8:30 am –12:30 pm Morning Session  
12:30 – 1:15 pm Luncheon  
1:15 – 5:00 pm Afternoon Session  
5:00 – 6:00 pm Networking Reception

The Ritz-Carlton, Battery Park is located at Two West Street, New York City. For more information, including the full agenda, visit: [http://geo-energy.org/events/finance\\_forum\\_2011.aspx](http://geo-energy.org/events/finance_forum_2011.aspx).

With any questions, please feel free to email Kathy Kent at [kathy@geo-energy.org](mailto:kathy@geo-energy.org).

For media credentials, please contact Garret Drexler at 646-695-7042 or [garret@rosengrouppr.com](mailto:garret@rosengrouppr.com).

### **CGEC Events Announced for Spring 2011**

April 7, 2011: California Geothermal Energy Collaborative, Education and Outreach Workshop for the public, Davis, CA

May 26-27, 2011: California Geothermal Energy Collaborative Summit, Mammoth Lakes, CA

See <http://cgec.ucdavis.edu/>

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

Details coming on three sessions for the Geothermal Track, chaired by the Geothermal Energy Association. For full conference details and to register, visit <http://www.renewableenergyworld-events.com/index.html>.

Geothermal Preconference Workshop details: <http://geo-energy.org/events/REWConference.aspx>

### **REWNA Conference Workshop: Geothermal Energy 201 and Geothermal in the Southeastern U.S., Tampa, FL (March 8)**

As part of the preconference workshops at Renewable Energy World North America 2011, GEA along with the Geothermal Resource Group, POWER Engineers, Texas A&M University, and Gulf Coast Green Energy will hold

a half-day workshop providing a basic overview of the geothermal industry and emerging technologies. The workshop will open with a 101 background including the elements of geothermal energy, market trends, and a status of the geothermal industry in the U.S. provided by the GEA. Our section on drilling is adapted from the Geothermal Resource Group's 3-day geothermal drilling course, which has been delivered to geothermal operating companies around the world and focuses on how geothermal drilling differs from oil and gas drilling. POWER Engineers will cover above-ground components of flash and binary cycles, including the steam gathering, two phase flow, separation systems, turbines, cooling systems, extraction, and electrical development. Texas A&M's GPRI Department of Petroleum Engineering will discuss the oil and gas well brine management, including potential for re-use and related reservoir issues. The course will conclude with instruction from Gulf Coast Green Energy on low-temperature technologies, including a case study of a geothermal coproduction project taking place in the southeastern U.S.

Instructors:

- Karl Gawell, Executive Director, Geothermal Energy Association
- Bill Rickard, President, Geothermal Resource Group
- Kevin Wallace Senior Project Manager and Renewables Market Manager, POWER Engineers
- David Burnett, Director, Global Petroleum Research Institute, Texas A&M University
- Loy Sneary, President/CEO, Gulf Coast Green Energy

Contact: Leslie Blodgett, [leslie@geo-energy.org](mailto:leslie@geo-energy.org).

See <http://geo-energy.org/events/REWConference.aspx>

### **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](http://www.geo-energy.org).

## Other Events

### Geothermal Heat Pump Training (Various Dates)

Accredited Geothermal Installer Certification

Offered in partnership with the International Ground Source Heat Pump Association (IGSHPA). Those who pass the open book exam become IGSHPA Accredited Geothermal Installers. Course also includes a hands-on pipe fusion training and certificate.

For dates see: [https://www.heatspring.com/?id=geothermal\\_training](https://www.heatspring.com/?id=geothermal_training)

### BLM Announces Geothermal Lease Sale (March 22, 2011)

Next Lease Sale date: March 22, 2011

### 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

Copyright © 2010 Geothermal Energy Association

209 Pennsylvania Avenue SE, Washington, D.C. 20003

Phone 202-454-5261 Fax 202-454-5265

[leslie@geo-energy.org](mailto:leslie@geo-energy.org)

