



This Week
January 21, 2011

National News..... 4

- Congress Introduces \$2.5 Trillion in Spending Cuts, Could Impact Geothermal Projects 4
- House Science and Tech Subcommittees’ GOP Membership Announced..... 4
- House Energy and Commerce Committee Spells out Key Issues for Coming Congress 5

Company News..... 6

- Atlas Copco Gas and Process Wins Order from Genalta Power for Waste Heat Recovery 6
- Ormat Technologies, Nevada Geothermal Partner on Oregon Power Station..... 6

Renewable Energy and Climate Change..... 7

- CIA’s Climate Change Unit Under Threat..... 7
- Details on Proposed House Republican Study Committee Budget Cuts for Geothermal and Renewable Energy Programs at DOE..... 7

State News 9

- California: DPW Reaches 20% Renewable Power; Geothermal Accounted for 22%..... 9
- Hawaii: Working Group Report Supports Geothermal Measures..... 9
- Vermont: Source of Project Funds Clarified 9
- Washington: New Bill Addresses Geothermal Resources Property 10

International News 10

- Pacific/Asia..... 10
 - Indonesia: No Responses for W. Sumatra Geothermal Block..... 10
 - Philippines: EDC Launches \$300m Bonds 10

Japan: Toshiba Expands Business in New Geothermal Power 11

Australia: Wasabi Energy Acquires Global Geothermal..... 11

Europe..... 11

 Iceland: Wasabi Energy Limited Acquisition of Geothermal Power Plant in Iceland 11

 Germany: Funding Provided for Geothermal Project in Indonesia 11

 UK: Cornwall Geothermal Project Investment in Talks; Eden Project Chief Opposed Scaled-back
 Government Funding..... 11

Notices 12

Current Notices 12

 National Geothermal Academy Applications Now Available (February 15) 12

 DOE Seeks Peer Review Comments on Geothermal Life-Cycle Analysis 12

 DOE Seeks Peer Review Comments on Geothermal Water Use..... 12

Employment..... 13

Employment Opportunities..... 13

 Program Manager, Office of Geothermal Technologies, DOE (February 7)..... 13

 General Manager, Geothermal Exploration, Origin Energy (Indonesia) 13

 Landman, Nevada Geothermal Power 14

 Staff Geologist/GIS Technician, Nevada Geothermal Power 14

 NREL Seeking Applicants for Geothermal Analysis Group 14

 Senior Level Assistant Site Manager, Operations and Maintenance..... 14

 Senior Principal Geothermal Geologist – Brisbane, Australia..... 14

 Vice President Geology, Western US 14

 Geothermal Openings, NREL, Boulder, CO..... 14

 Drilling Manager, NV 14

 Geophysicist, Calpine, The Geysers, CA..... 15

 Renewable Energy Mechanical/Systems Engineer, Idaho International Laboratory, ID 15

 Project Manager 15

 Development Manager 15

 Project Manager Geothermal Exploration, Europe 15

Requests for Proposals 15

Proposal Announcements..... 15

 Refurbished 27-MW Marine Turbine, Ram Power 15

 WaterSMART - California (January 31) 16

 Open Tender for Geothermal in Aceh, Indonesia (January 31) 16

 USTDA-Sponsored Indonesia Geothermal Power Training Program Is Offering Business Development
 Opportunities for U.S. Companies (January) 16

Industry/University Cooperative Research Centers (February 2) 17

Sensors and Sensing Systems (February 15) 17

Control Systems, NSF (February 15)..... 17

Manufacturing Enterprise Systems (February 15) 17

Materials and Surface Engineering (February 15) 18

Structural Materials and Mechanics (February 15) 18

Mechanics of Materials (February 15)..... 18

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

Geothermal Resources Development Account, California Energy Commission (February 24) 19

International Young Eco-Hero Awards (February 28)..... 20

Climate Change and Health, HHS (May 24) 20

U.S. DOE Office of Science (September 30) 20

U.S. Navy Energy Conservation Projects (October 31, 2012) 20

Coordination of the Colorado Geothermal Working Group 20

Alaska Fairbanks North Star Borough Offers \$1M Matched-Funds Grant..... 21

Partner Sought for Hot Oil and Gas Wells, Mississippi 21

Events..... 22

Happening This Week..... 22

 Latin American-Caribbean Geothermal Meeting, Reno, Nevada (January 27) 22

New This Week 22

 CanGEA Events 22

GEA Events..... 23

 Calendar of 2011 GEA and GEA-Sponsored Events..... 23

 Geothermal Energy Finance Forum 2011, NYC, NY (February 9) 23

 CGEC Events Announced for Spring 2011 25

 Renewable Energy World North America 2011, Tampa, FL (March 8–10) 26

 REWNA/GEA Preconference Workshop: Geothermal Energy 201 and Geothermal in the Southeastern U.S., Tampa, FL (March 8)..... 27

 Why Should You Attend GEA Events? 28

Other Events 28

 Geothermal Heat Pump Training (Various Dates) 28

 BLM Announces Geothermal Lease Sale (March 22, 2011) 28

 Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory, Dallas, TX (June 13–15, 2011)..... 29



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



National News

Congress Introduces \$2.5 Trillion in Spending Cuts, Could Impact Geothermal Projects

Leading conservatives from both the House and Senate this week introduced "The Spending Reduction Act of 2011," which [offers a list of spending cuts totaling \\$2.5 trillion over 10 years](#). Provisions of the bill are likely to be added to the Congress vote on raising the debt ceiling, which is likely to pass in March, Republican leaders have conceded.

Reforms include impacts for DOE's renewable energy and geothermal research program. According to preliminary assessments by GEA, it could, if adopted, mean a 70% reduction in the geothermal research program, terminate pending research activities, and even result in the cancelling of some ARRA contracts. More attention getting were proposals for termination of funding for the Corporation for Public Broadcasting, the Legal Services Corporation, and the National Endowment for the Arts.

"This will never get support among Democrats. It cuts the legs out from under the government, the healthcare reform effort, and so many services for the very poorest among us. Necessary services would be gutted. It would set our country back decades and put scores of people out of work at the worst possible time," one senior Senate Democratic leadership aide told press.

Others agree with Sen. Jim DeMint, R-SC: "We need to have a showdown at this point that we are not going to increase our debt ceiling anymore. We are going to cut things necessary to stay within the current levels, which is over \$14 trillion. This needs to be a big showdown."

House Science and Tech Subcommittees' GOP Membership Announced

In addition to the list of House Republican appointments included in [last week's newsletter](#) [PDF], the Science and Tech Committee has announced key subcommittee membership:

Following are the GOP membership lists of the Science, Space, and Technology subcommittees.

Subcommittee on Energy and Environment:

- Chairman: Andy Harris (R-Md.).
- Dana Rohrabacher (R-Calif.).

- Roscoe Bartlett (R-Md.).
- Frank Lucas (R-Okla.).
- Judy Biggert (R-Ill.).
- Todd Akin (R-Mo.).
- Randy Neugebauer (R-Texas).
- Paul Broun (R-Ga.).
- Chuck Fleischmann (R-Tenn.).

Subcommittee on Technology and Innovation:

- Chairman: Ben Quayle (R-Ariz.).
- Lamar Smith (R-Texas).
- Judy Biggert (R-Ill.).
- Randy Neugebauer (R-Texas).
- Michael McCaul (R-Texas).
- Chuck Fleischmann (R-Tenn.).
- Scott Rigell (R-Va.).

House Energy and Commerce Committee Spells out Key Issues for Coming Congress

In a brief report made public this week, the House Energy and Commerce Committee spelled out some of its priority issues for the 112th Congress. For Energy and Water, the document included the following,

On the EPA it said: “We believe it is critical the Obama Administration “stop” imposing its new global warming regulatory regime, which will undermine economic growth and US competitiveness for no significant environmental benefits.”

Regarding a **Renewable Energy Standard** it said: “Although governments have important roles to play in facilitating development of alternative energy, we oppose energy technology mandates that must be met regardless of cost. We will be exploring the electricity cost and reliability implications associated with federal government mandates for increased renewable electricity.”

Finally, on the **Stimulus Bill** it said: “Waste in the Stimulus Programs: The Committee is committed to conducting oversight over the energy portions of the American Recovery and Reinvestment Act of 2009 (the “Stimulus”). Republicans have a host of questions regarding the efficacy of renewable technology and energy efficiency spending under the Stimulus, and until such questions regarding those programs are comprehensively answered, further Republican conference support for additional spending on such programs will not be forthcoming.”

Company News



Atlas Copco Gas and Process Wins Order from Genalta Power for Waste Heat Recovery

Press Release, Santa Maria, California, January 18 — Strengthening its position in the renewable energy market, Atlas Copco Gas and Process has received a multi-million dollar order for expander generators to be used in Waste Heat Recovery. The machines, which are set for delivery in November 2011, will help produce electricity in Canada's Alberta province.

The company will supply a 2 MW Binary Cycle Waste Heat Recovery package for Genalta Power Inc. Genalta Power Inc. is a Canadian-based private company specialized on waste heat to power generation within the oil and gas sector. The project is located outside Swan Hills in Alberta, Canada and will recover energy from the flue gas of gas turbines.

Depending on the number of modules used, the waste heat power generation system is capable of recovering 1, 2 or 4 MW of waste heat.

Among renewable energy sources, Waste Heat to Power (WHP) has one of the lowest electricity generation costs. It is a true base load capacity and helps reduce green house gas emissions and overall dependence on fossil fuels.

The Swan Hills order fits into a growing line of Atlas Copco projects in the realm of renewable energy and, specifically, Waste Heat Recovery. For decades now, Atlas Copco has helped customers around the world to unlock the vast potential of sustainable energy sources. In 2009, the company was recognized for the fourth time as part of the Global 100 list of the world's most sustainable corporations.

In addition, Atlas Copco is a member of the FTSE4Good Index. The FTSE index measures the performance of companies that meet globally recognized corporate responsibility standards. Atlas Copco is ISO 9001 certified and ISO 14001 compliant. To learn more about Atlas Copco Gas and Process please visit: www.atlascopco-gap.com.

Ormat Technologies, Nevada Geothermal Partner on Oregon Power Station

[Press Release](#), January 21 — Nevada Geothermal Power, Inc. (OTC: NGLPF | PowerRating) and Ormat Nevada, Inc., a wholly owned subsidiary of Ormat Technologies, Inc. (NYSE: ORA | PowerRating) have agreed to become joint venture partners to develop, construct, own and operate one or more geothermal power plants at the Crump geyser project area in Lake County, Oregon. Together they have formed a limited liability company, Crump Geothermal Company, LLC, on a 50:50 basis, in Vancouver, British Columbia.

Nevada Geothermal Power operates as a renewable energy developer focusing on producing clean renewable geothermal electric power from high temperature geothermal resources primarily in the United States. The company was formerly known as Continental Ridge Resources Inc. and changed its name to Nevada Geothermal Power, Inc., in May 2003. Nevada Geothermal was founded in 1995 and is based in Vancouver, Canada.

Ormat Technologies, together with its subsidiaries, engages in the geothermal and recovered energy power business worldwide. Ormat also has a joint venture agreement with Sunday Energy, Ltd., to develop, construct, and operate solar-photovoltaic energy systems with a total capacity of 36 megawatts in Israel. The company was founded in 1965 and is based in Reno, Nevada.

Renewable Energy and Climate Change



CIA's Climate Change Unit Under Threat

Sustainable Energy Coalition/SUN DAY Campaign and [Medill News](#) — The Northwestern University-based National Security Reporting Project has published its findings from a three-month investigation of U.S. Central Intelligence Agency's competency in handling environmental impacts of climate change. The report found that the CIA's Center on Climate Change and National Security is not prepared for threats posed by the changing climate. The team of journalism graduate students reported that the United States is ill-prepared to cope with environmental issues that can destabilize places of interest both domestically and internationally. According to the report, the CIA lacks critical information that can help predict future climate change disasters, which in large part is due to skepticism from conservative lawmakers and pressure to slash the intelligence budget. In 2009, CIA Director Leon J. Panetta opened the CIA's climate change unit, but with pressure to cut the \$80.1 billion intelligence budget, many believe the climate change center will be the first to go.

Details on Proposed House Republican Study Committee Budget Cuts for Geothermal and Renewable Energy Programs at DOE

On Thursday, January 20, the House Republican Study Conference (RSC) released legislation entitled the Spending Reduction Act which they said was a "first step" in spending reduction. In total, the proposal would cut \$2.5 trillion in ten years, according to RSC statements. "The Spending Reduction Act gives us a \$2.5-trillion head start in the race to preserve the fiscal stability of the United States," said Rep. Scott Garrett (R-NJ for the RSC. "This bill represents the first step in the process, not the last," he stressed.

Section 101 of the legislation would reduce all federal agency program appropriations to no higher than FY2008 levels for this fiscal year. In FY 2008, DOE the geothermal research programs was funded at \$18 million. If adopted, it appears this legislation would immediately reduce the DOE geothermal funds for FY 2011 by 70% (to \$18 million from the current annualized rate of \$55 million.) Since DOE's Geothermal Technologies Program has

been spending money at a higher rate for the first four months of the fiscal year, there may be little funding available for the rest of the Fiscal Year for program activities.

Section 501 would immediately terminate all "applied research" at DOE, effectively eliminating substantial portions of DOE's Energy Efficiency and Renewable Energy (EERE) research program. The provision uses broad language: "GENERAL.—No funds appropriated or otherwise available to any Federal department or agency may be obligated or expended for any program or other purpose described..."

As written, applied research efforts would appear to have to stop dead in their tracks, transition funding is not provided and transfer of funds from other years or sources would be prohibited by the language used. There is no break-out of "applied" research by EERE program provided by the RSC, but they estimate this provision would cut \$1.2 billion in funding from DOE and it appears most of that would come from the Energy Efficiency and Renewable Energy programs. The breadth of the language would appear to indicate that projects funded under ARRA would also be affected.

For some guidance, see OMB definitions of basic research, applied research and demonstration below.

Basic research is defined as systematic study directed toward fuller knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. Basic research, however, may include activities with broad applications in mind.

Applied research is defined as systematic study to gain knowledge or understanding necessary to determine the means by which a recognized and specific need may be met.

Development is defined as systematic application of knowledge or understanding, directed toward the production of useful materials, devices, and systems or methods, including design, development, and improvement of prototypes and new processes to meet specific requirements.

Finally, Section 501 of the proposed RSC legislation would also immediately terminate the Trade Development Agency (TDA) and the Agency for International Development (AID), both of which have programs supporting international geothermal efforts. Similarly, the terminations would be immediate and no transition funding allowed.

It is anticipated that these proposals, and possible others, will focus on legislation in the coming two months that is needed to continue funding the government and raise the national debt ceiling. Currently, the federal government is funded by a continuing resolution that expires on March 15, and roughly at the same time the

Treasury is expected to reach the currently authorized federal debt ceiling. This situation will create a must-pass situation for new legislation, giving proposals like those of the RSC considerable leverage.

For more information about the RSC proposal, including text, fact sheets and more, go to:

<http://rsc.jordan.house.gov/Solutions/SRA.htm>.

State News



California: DPW Reaches 20% Renewable Power; Geothermal Accounted for 22%

The Los Angeles Department of Public Works [this year reached the 2005 goal to achieve 20% of electricity from renewable sources by 2015](#). "When we set this goal in 2005, the DWP was the dirtiest utility in the nation. Today, it's the cleanest and we have been able to do it at a cost lower than any other utility in California," Mayor Antonio Villaraigosa told press. The goal was reached largely due to the new Pine Tree Wind Farm in Mojave and the purchase of the Milford Wind Farm in Utah. Geothermal energy accounted for 22% of the renewable power. Southern California Edison began at 17% in 2005 and remained about the same, Pacific Gas and Electric went from 12.4% to 14%, and San Diego Gas and Electric went from 4% to 10%.

Hawaii: Working Group Report Supports Geothermal Measures

A [new report by the Geothermal Working Group to the Hawaii Legislature](#) warns of the urgency in reducing oil importation and reiterates the availability of geothermal resources. The report covers potential impacts on the environment and on Hawaiian cultural beliefs, and cites oil prices potentially spiking to \$200 per barrel by 2013.

From 2001 to 2009, the state received \$12.5 million in royalties from the 30-MW Puna Geothermal Venture on the Big Island, which is currently working toward an 8-MW expansion.

The report recommends:

- Fund research and field work into geothermal energy resources on the Big Island, and analyze the impact of transitioning from petroleum-fired power plants to geothermal.
- Reevaluate how royalties from geothermal production are distributed to the state, county and affected neighborhoods.

Vermont: Source of Project Funds Clarified

The state of Vermont must [clarify the source of \\$2 million for a geothermal project](#) in its annual budget adjustment. It currently appears to some that the \$2 million was allocated twice — once through the Clean Energy Development Fund and again through federal stimulus funds — though Wanda Minoli, principal assistant to the state Buildings and General Services Commissioner clarifies this is not the case. "The authorization from

Clean Energy was never the intent," she said, adding that the confusion will be cleared up when the budget adjustment is complete.

Washington: New Bill Addresses Geothermal Resources Property

With Senators Kline, Rockefeller, Ranker, Harper, Honeyford and Chase this week introduced SB 5086, which separates geothermal resources from both mineral resources and water resources in real property, allowing transfer of interests separate from land ownership. It also removes geothermal from the Water Code, allowing use of resources without the need to secure a water right. Additionally, the bill repeals a prior state law terminating the geothermal energy account which provides for the allocation of revenues. The bill represents efforts by an informal "geothermal working group," and a hearing has been scheduled for January 26.

From the [Senate report](#) [PDF]:

Summary of Bill: Geothermal resources may be reserved by or conveyed to another person. Interests in geothermal resources may be severed from the surface land and reserved or conveyed as a property interest, separate from the land. The use of geothermal resources for beneficial uses, other than commercial electricity production, is subject to appropriation under the Water Code. If the use of geothermal resources takes place in a closed loop system that is connected to and integrated into a commercial electricity production system, the use is not subject to appropriation under the Water Code. The termination section eliminating the chapter creating the geothermal energy account is repealed.

International News



Pacific/Asia

Indonesia: No Responses for W. Sumatra Geothermal Block

West Sumatra's Energy and Mineral Resources Agency has [twice announced the bid for the geothermal mining working area in Bukit Kili](#) but has gotten no responses. The area has a potential to produce up to 86 MW, and may be combined with Gunung Talang resources, which has an additional 58 MW of potential.

Philippines: EDC Launches \$300m Bonds

Energy Development Corp. has [listed \\$300 million in 10-year bonds](#), which it will use for growth projects, capital expenditures, and debt servicing requirements. EDC announced last year an expansion to its generation portfolio by 38% in five years. Its scheduled operations include several geothermal development projects — the 40-MW Tanawon and 20-MW Nasulo geothermal projects in 2013; the 50-MW Mindanao 3 geothermal projects by 2014; the 40-MW Rangas geothermal project by 2015; and the 40-MW Kayabon geothermal project in 2015.

Japan: Toshiba Expands Business in New Geothermal Power

Toshiba Corp. plans to [expand its role as supplier of steam turbines for geothermal projects](#). While it has focused for the last several years on improvements to existing plants, the company now looks to pursue two new geothermal plants a year. In addition to its 33-MW line of turbines, Toshiba will add a 60-MW package.

Australia: Wasabi Energy Acquires Global Geothermal

Wasabi Energy is [fully acquiring Global Geothermal Limited](#) through a series of three minority ownership interests. The consolidated ownership will facilitate commercialization of the patented Kalina Cycle®2 technology portfolio and will simplify the regulatory and compliance obligations between the two.

Europe

Iceland: Wasabi Energy Limited Acquisition of Geothermal Power Plant in Iceland

Wasabi Energy has [acquired the Orkuveita Husavikur \(Husavik\) geothermal power plant](#) in Northern Iceland through its subsidiary Global Geothermal Limited1. Wasabi will refurbish the existing plant, which is not currently operational, with power generation expected to resume in 2012.

Germany: Funding Provided for Geothermal Project in Indonesia

German development bank [KfW has disbursed Rp 90 billion or 7.72 million Euros in grants to Indonesia](#) for geothermal exploration activities in Aceh. The Aceh administration will allocate an additional Rp 2.5 billion, with remaining funds to be covered by a company's winning bid on the project.

UK: Cornwall Geothermal Project Investment in Talks; Eden Project Chief Opposed Scaled-back Government Funding

Geothermal Engineering is in talks with a [potential investor from the oil and gas sector regarding the proposed £40m deep geothermal plant](#) in Redruth, Cornwall. The company expects to start drilling by October this year and has already raised the £10.5m needed to complete the first well. The company needs to raise a further £30m for two additional wells and plans to bring the plant on line in 2013.

Tim Smit, chief executive of the Eden Project in Cornwall [opposes the government's scaled back funding for deep geothermal technologies](#) while continuing to boost funds for carbon capture and storage. "I'm really happy that there are signs of support for it, but actually the support is pretty crap if weren't being polite about it," he said. "What a joke to cut your grant in half and then say 'oh money's tight' and then give a whole shed-load of money to carbon sequestration, a technology which is not yet proven." A government spokesman told press the government continues to support the sector, with £1.1m funding for three projects announced last month.

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



Notices

Current Notices

National Geothermal Academy Applications Now Available (February 15)

The National Geothermal Academy presents an 8-week intensive summer course in all aspects of geothermal energy development and utilization. The course is a collaborative effort among faculty from the University of Nevada, Reno (UNR), Stanford University, Cornell University, Oregon Institute of Technology (OIT), University of Utah, Southern Methodist University, University of Massachusetts Dartmouth, and West Virginia University with additional consultants and support from the Department of Energy Geothermal technologies program. The course will be offered for either undergraduate or graduate credit in the summer of 2011. Individual modules will also be offered for professional development through UNR's Continuing Education. Funding from DOE will defray room and board costs, and some program fees, for up to 20 students to attend from across the nation.

Applications to the Academy are due on February 15, 2011. Full course information and application materials, including financial aid, are posted at <http://www.unr.edu/geothermal/NGA.htm>

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



Employment Opportunities

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

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>.

General Manager, Geothermal Exploration, Origin Energy (Indonesia)

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

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.

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, 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, 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. You may also contact:

Senior Level Assistant Site Manager, Operations and Maintenance

Contact: Richard@mrsokane.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

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**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 for further information.

WaterSMART - California (January 31)

Responses due 1/31/11. For more info, contact Mary Sims at msims@usbr.gov or go to:

<http://www.grants.gov/search/search.do?mode=VIEW&opId=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. 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

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 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).

Industry/University Cooperative Research Centers (February 2)

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)

Sensors and Sensing Systems (February 15)

Responses due 2/15/11. For more info, contact Shih Liu at sliu@nsf.gov or go to: 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)

Responses due 2/15/11. For more info, contact Eduardo Misawa at emisawa@nsf.gov or go to: 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)

Responses due 2/15/11. For more info, contact Russell Barton at rbarton@nsf.gov or go to: 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)

Responses due 2/15/11. For more info, contact Clark Cooper at ccooper@nsf.gov or go to:

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)

Responses due 2/15/11. For more info, contact Clark Cooper at ccooper@nsf.gov or go to:

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)

Responses due 2/15/11. For more info, contact Glaucio Paulino at gpaulino@nsf.gov or go to:

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)

Responses due 2/15/11. For more info, contact Mary Toney at mtoney@nsf.gov or go to:

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)

Responses due 2/15/11. 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 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

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.

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.

International Young Eco-Hero Awards (February 28)

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)

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)

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)

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 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 (rlmcadoo@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

Happening This Week

Latin American-Caribbean Geothermal Meeting, Reno, Nevada (January 27)

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. For more information, email: 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

New This Week

CanGEA Events

September 14th, 2011 - Toronto, ON, Geothermal Investment Forum and Networking Event

November 9th, 2011 – Calgary, AB, Geothermal Power Forum and Networking Event

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.

- 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

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.

Who's attending: Confirmed representatives from A Personal Touch, Abatis Advisors, ACORE, Arya Geo Energy, Australian Trade Commission, Avondale, Baseload Energy LLC, Bloomberg New Energy Finance, Bodell Construction, CanGEA/ThinkGeoEnergy, Cesare Boneti, Chadbourne & Parke LLP, Chevron, Consul General of Chile, Consulate of Iceland, Cooper Union, Davenport Newberry, Denham Capital, Dow Jones Newswires, DZ Bank, EIG Global Energy Partners, Empire State Development, Enel North America, Excelerate Advisors, LLC, Fagen, Inc., GC Andersen Partners, GEA, GeothermEx, Inc., Glacier, Good Energies, Google.org, Hannon Armstrong, Hydrolian, Iceland, ING Capital LLC, International Finance Corporation, Islandsbanki, Jacobs Securities Inc., John Hancock Financial Services, JP Morgan Capital Corporation, Magma Energy Corporation, Meursen, MidAmerican Energy Holdings Company, Montgomery Street Financial Services, Naknek Electric Association, Inc., Neurodynamics, Nevada Geothermal Power, Ormat, Overseas Private Investment Corporation, POWER Engineers, Inc., Pratt & Whitney Power Systems, Ram Power, Raser Technologies, Raymond James, SNL Financial, SPX Heat Transfer Inc., St Lucia, Star Energy, Stoel Rives, LLP, TAS Energy, Technikon, The Rosen Group, ThermaSource, Total Green Power Corp., U.S. Department of Commerce, U.S. Department of Energy Geothermal Technologies Program, U.S. Treasury, UN UGO Sustainability, US Geothermal, USAID Africa Bureau, Wilson Sonsini Goodrich & Rosati, and more.

Confirmed speakers to date include:

The Honorable President Olafur Grimsson, President of Iceland

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

Dita Bronicki, CEO, Ormat Technologies

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

Louis Capuano Jr, CEO, ThermaSource

Nick Goodman, CEO, Raser Technologies

Eddie Sadan, VP of Business Development, Ram Power Corporation

Jonathan Zurkoff, VP of Finance, U.S. Geothermal

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

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

Asgeir Margeirsson, Chairman of Magma Energy's HS Orka operations in Iceland

Halley Dickey, Director of Geothermal Business Development, TAS

Arni Magnusson, Executive Director- International Industries, Islandsbanki

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

John McIlveen, Research Director, Jacob Securities, Inc.

Rick Rodgers, Montgomery Street Financial, LLC

Brian Harenza, Hannon Armstrong

Fuphan Chou, Investment Officer, International Finance Corporation

Mark Taylor, Lead Analyst, CCS & Geothermal, Bloomberg New Energy Finance

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

Saurabh Anand, Vice President, Denham Capital
Vicky McDowell, Deputy Administrator, US Treasury UNDP
Chris Demos, Senior Investment Officer, Overseas Private Investment Corporation
Angela Crooks, Program Specialist, U.S. Department of Energy, Geothermal Technologies Program
Jen Derstine, Geothermal Sector Analyst, U.S. Department of Commerce
Jeffrey Humber, Director, Africa Infrastructure Program, USAID Africa Bureau AFR/SD/EGEA
Keith Martin, Partner, Chadbourne & Parke LLP
John McKinsey, Partner, Stoel Rives LLP
John Pierce, Partner, Wilson Sonsini Goodrich & Rosati
Karl Gawell, Executive Director, GEA

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

How much? (includes light breakfast, lunch, snack, workshop proceedings, and networking reception):

General Attendee Rate	\$695
GEA/GRC Member Rate	\$495
Government/Non-Profit Rate	\$595
Student Rate	\$100

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.

With any questions, please feel free to email Kathy Kent at kathy@geo-energy.org.

For media credentials, please contact Garret Drexler at 646-695-7042 or 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)

Renewable Energy World Conference & Expo North America has been the event leading the way for the renewable industry for eight years.

Three sessions for the Geothermal Track will be chaired by the Geothermal Energy Association:

Session: MARKET TRENDS, POLICIES & FINANCE – PANEL DISCUSSION

Date: March 9, 2011

Time: 9:30 – 11:30 AM

Chair: Karl Gawell, Geothermal Energy Association

Co-chair: Behrooz Ershaghi, Ph.D., Atlas Copco Mafi-Trench Co.

Session description: Key players in the geothermal industry discuss market trends in the geothermal industry and how new standards, government policies and the current financial markets are affecting project developments in North America.

- Sasha Jacob, Jacob Securities
- John Pierce, WSGR
- Johua Haacker, US Renewables
- Charles J. Arrigio II, Glacier Partners
- Karl Gawell, Geothermal Energy Association

Session: LOW TEMPERATURE APPLICATIONS & ADVANCEMENTS

Date: March 9, 2011

Time: 3:30 – 5:00 PM

Chair: Halley Dickey, TAS

Co-chair: Leslie Blodgett, Geothermal Energy Association

Session description: Current low temperature geothermal technologies combine power generation with other revenue-producing scenarios integrated in new and exciting ways to expand geothermal power project development and smaller scale development possibilities

The Potential of Oil and Gas/Geothermal Co-Production in Florida, Robert Hunt, Linear Power Ltd.

Using Binary Power Generation in the Oil Field Makes “Cents,” Robert Klenner, Dr. Will Gosnold, Kirtipal Barse and Mark McDonald, University of North Dakota

Geothermal Air Conditioning: Closed Loop or Open Loop?, Theron Jay Egg, EggGeothermal

Modeling a Direct Expansion Geothermal Heat Pump Using Carbon Dioxide in a Transcritical Cycle, Brian Austin, North Dakota State University; Dr. K. Sumathy

Powerverde Gas Expansion and Gas Pressure Motors, Stephen McKnight, PowerVerde Inc.

Session: POWER INNOVATIONS AND NEW DEVELOPMENTS

Date: March 10, 2011

Time: 9:00 – 10:30 AM

Chair: Behrooz Ershaghi, Ph.D., Atlas Copco Mafi-Trench Co.

Co-chair: Halley Dickey, TAS

Session description: Geothermal energy's benefit as a baseload renewable resource as well as a geologically-derived resource means it offers innovative opportunities for applications that expand baseload utility-scale power development, increase resources conversion efficiency and offer more dynamic load support to the utilities.

A CO₂ Sequestering Geothermal Power Plant with a Negative Carbon Footprint, Martin Saar and Jimmy Randolph, University of Minnesota (invited)

Full Throttle in Nicaragua: The San Jacinto-Tizate Geothermal Project, Chun Chin, Kevin Wallace and Marshall Ralph, POWER Engineers Inc.; Mike Long, Ram Power; William Harvey, Reykjavik University

Acoustic Image Surveys of Naturally Fractured Resources in Extremely Hostile Downhole Environments (250C+) in Australia and New Zealand, Brennan Campbell and Peter Mercure, Tiger Energy Services

Deep Drilling for Geothermal in England and Germany and its Potential in the U.S., Robert Hunt, Linear Power Ltd.

Innovative Conversion Technology at Bald Mountain, California, Shuman Moore, Oski Energy

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/GEA Preconference 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.

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.

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

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/>

GEOHERMAL ENERGY WEEKLY

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

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