

Geothermal Energy Weekly

A publication of the
Geothermal Energy Association

~formerly the GEA Weekly Update~

This Week

March 24, 2010

National News.....	3
Secretary Salazar Announces \$3.7M for Renewable Energy Projects in 13 Tribal Communities	3
What Now After Health Care? Prospects for Congressional Action on Climate, Energy or Tax Incentives.....	3
Company News.....	5
Nevada Geothermal Power: Stock Options Issued	5
Raser Technologies: Fourth Quarter Financial Results Announced	5
Sierra Geothermal: Two Prong Strategy Updated	6
Urex Energy Corporation: Geothermal Leases Purchase Complete.....	6
Renewable Energy and Climate Change.....	7
EPA to Conduct Hydraulic Fracturing Study.....	7
Bloomberg Predicts Jump in Renewable Energy Projects	7
State News	8
California: Medicine Lake Geothermal Leases Continue Legal Process.....	8
California: Hudson Ranch 1 Plant Granted Stimulus Funds.....	8
California: Revamped grid would promote renewable energy growth.....	8
California: CPUC Allows Tradable Renewable Energy Credits.....	8
Colorado: Governor Signs Historic Renewable Energy Bill	8
Oregon: Klamath Falls Serves as Model for Geothermal Industry Nationwide	9
International News	9
Chile: New Zealand Firm to Invest \$226 Million in Geothermal Project	9
Indonesia: Minister Zulkifli Supports Geothermal Mining.....	9
Indonesia: World Bank Helps Indonesia Increase Geothermal Energy.....	9
Indonesia: Tata, Chevron Bid for Indonesian Geothermal Project	9
Japan: Wind, Geothermal Power Feed-in Tariff Proposed	9
Kenya: Government to Build 280 MW Over Three Years.....	10
Nevis: Deadline Extended for Delivery of Geothermal Energy	10
Philippines: Psalm to Auction Geothermal Facilities May 5.....	10
Notices	10
New This Week	10
GEA Seeking Information for Next U.S. Geothermal Industry Update.....	10
The Department of Energy Wants to Hear Your Stories	11
Notices	11
DOE Geothermal Technologies Database Available On-Line	11
NREL Announces New Poll on Renewable Energy Finance	11
DOE Loans Programs Office Offers Email Updates	11

Colorado ARRA Grant Schedule Posted, Governor’s Energy Office..... 11

Employment..... 12

Employment Opportunities..... 12
 Jobs Available at Idaho International Laboratory 12
 Project Manager 12
 Development Engineer 13
 Project Manager Geothermal Exploration, Europe 14
 Senior Director, Business Development, Major Geothermal Company 14
 Geothermal Project Supervisor, Central American Bank for Economic Integration, Costa Rica 15

Requests for Proposals..... 15

Closing This Week 15
 Geothermal Feasibility Study, Midwest, Wyoming (March 30) 15
 Greenhouse Gas Mitigation, Indonesia (March 30 and September 15)..... 16
 Technology Solutions, 2010 Tech Awards Nominations (March 31, 2010) 16
 Emerging Frontiers in Research and Innovation (March 31, 2010) 16
 RFP for Smart Grid Investments, DOE, American Recovery and Reinvestment Act (March 31, 2010)..... 16
 RFP Announcements..... 16
 Seeking Investor, Geothermal Project, Oregon 16
 Geothermal Energy Development, Department of the Navy..... 17
 Renewables, Efficiency and Water Conservation – Worldwide (TBA April 5) 17
 Global Climate Change Education, NASA (April 28)..... 17
 Industrial Technologies Technical Assistance, DOE (May 6) 17
 Climate Change Education, NSF (May 24) 18
 Climate Adaptation and Disaster Resilience – Indonesia (July 26) 18
 Greenhouse Gas Mitigation, Indonesia (September 15)..... 18
 U.S. DOE Office of Science (September 30) 18
 Power, Controls and Adaptive Networks, NSF (October 7) 18

Events..... 19

Added This Week..... 19
 Project Peer Review, DOE Geothermal Technologies Program, Crystal City, VA (May 18–20) 19
 Happening This Week..... 19
 Renewables Rendezvous, Power Engineers, Boise, ID (March 23–24)..... 19
 The Governor’s Renewable Energy Policy Conference, Riverside, CA (March 24) 19
 GEA Events..... 20
 CGEC California Geothermal Energy Summit, May 10, 2010 (Davis, CA)..... 20
 GEA Global Geothermal Showcase and Forum, May 21, 2010 (Washington, DC)..... 20
 GEA Geothermal Energy Workshop, July 22, 2010 (Las Vegas, NV) 21
 GEA Geothermal Energy Expo and GRC Annual Meeting, October 24-27 (Sacramento, CA) 21
 Why Should You Attend GEA Events? 21
 Other Events 21
 World Geothermal Congress, April 25–30 (Bali, Indonesia) 21
 May 2010 Geothermal Lease Sale, BLM, Reno, NV (May 11) 22
 Project Peer Review, DOE Geothermal Technologies Program (May 18–20) 22
 Clean Energy and Business Development Mission, U.S. Department of Commerce, May 23–25 (Indonesia)22
 13th Annual Congressional Renewable Energy + Efficiency EXPO + Forum (May 27) 22



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



National News

Secretary Salazar Announces \$3.7M for Renewable Energy Projects in 13 Tribal Communities

Secretary of the Interior Ken Salazar announced that the Office of Indian Energy and Economic Development has awarded \$3.7M to tribes developing renewable energy resources. "This President has made the development of renewable energy in America one of his highest priorities," Salazar told press. "Many tribes are in a unique position to benefit greatly from a variety of renewable energy sources and the Department is committed to helping these communities to achieve this goal."

Funding for renewable energy projects was allocated as follows:

Geothermal (6)

Washoe Tribe of Nevada and California - \$350,000
Benton Paiute Tribe - \$350,000
Cedarville Rancheria - \$300,000
Cheyenne River Sioux Tribe - \$350,000
Rosebud Sioux Tribe - \$150,000
Pyramid Lake Paiute Tribe - \$750,000

Biomass (4)

Colville Confederated Tribes - \$200,000
Fond du Lac Reservation - \$250,000
Oneida Nation - \$250,000
Ho-Chunk Nation - \$150,000

Hydroelectric (3)

Confederated Salish and Kootenai Tribes (CSKT) of the Flathead Reservation - \$260,000
Cherokee Nation - \$150,000
Crow Tribe - Apsáalooke Nation - \$200,000

The individual tribes developed comprehensive proposals for the proposed projects and submitted them for evaluation by the Office of Indian Energy and Economic Development. These projects will facilitate jobs and additional economic opportunities on their reservations.

See <http://www.poweronline.com/article.mvc/Secretary-Salazar-Announces-37M-In-0001?VNETCOOKIE=NO>.

What Now After Health Care? Prospects for Congressional Action on Climate, Energy or Tax Incentives

Now that Congress is finishing action on Health Care, the Administration's top priority, where might it turn? This is the question people in Washington are asking, and trying to "spin" to their advantage. It looks like Financial Reform legislation will be on the agenda soon. By most accounts after that climate and energy legislation, legislation to extend renewable energy tax credits, and possibly a new "green jobs" bill are near the top of the priority list for the Administration and congressional leadership.

Climate change still is an Administration top priority. The President held a meeting with key Senators at the White House early this month, and President Bill Clinton was said to be "working" the Senate on the issue. Last week, 22 Senators wrote to Senate Majority Leader Harry Reid (D-NV) urging him to take up climate legislation. Notably, however, all of the signers were Democrats.

"We believe the United States should consider bipartisan and comprehensive clean energy and climate legislation this year with a renewed focus on jobs and reduced dependence on foreign oil," the letter said. Signing the letter

were Senators Tom Udall (N.M.), Jeanne Shaheen (N.H.), Michael Bennet (Colo.), Kay Hagan (N.C.), Ron Wyden (Ore.), Mark Begich (Alaska), Sherrod Brown (Ohio), Tom Harkin (Iowa), Tom Carper (Del.), Mark Udall (Colo.), Al Franken (Minn.), Debbie Stabenow (Mich.), Jeff Merkley (Ore.), Patty Murray (Wash.), Ted Kaufman (Del.), Ronald Burris (Ill.), Bob Casey Jr. (Pa.), Mark Warner (Va.), Maria Cantwell (Wash.), Arlen Specter (Pa.), Jon Tester (Mont.), Amy Klobuchar (Minn.).

If the Senate is able to pass climate legislation, it will have to meet in a special Conference Committee with the House to work out differences between their bills. The House passed Climate legislation last year: H.R. 2454- The American Clean Energy and Security Act (ACES) of 2009. Championed by Rep. Waxman (D-CA) and Rep. Markey (D-MA), the House bill establishes a carbon cap and trade program, addresses siting of transmission lines, and includes a national Renewable Energy Standard (RES).

But, the question remains as to what climate bill would be taken up by the Senate, and what can successfully pass? The Senate Environment and Public Works Committee reported legislation late last year, but on a completely partisan vote. Because Democrats have lost their 60 vote margin in the Senate, some degree of bi-partisanship will be essential if any bill is going to get past a filibuster.

Senators Kerry (D-MA), Lieberman (I-CT) and Graham (R-SC) are working to develop bi-partisan climate legislation. Rumors abound about what is or may be in the bill being drafted by the three Senators, and various trial balloons have been floated regarding their closed door discussions. One item sure to be considered was circulated by Senator Graham, a national Clean Energy Standard (or CES) which could be met by new generation from renewable energy, energy efficiency, nuclear power or advanced coal generation. Senator Graham's proposed CES would eventually reach the level of requiring 50% of power generation from qualified sources by 2050. Other provisions reported to be under consideration by the three Senators have recently drawn public criticism from some groups supporting climate legislation. In particular, major environmental groups have raised concerns about possible provisions to pre-empt state laws or EPA regulatory action.

If climate legislation is cannot break through the filibuster blockade, two related courses of action are seen as possible. First, it could take action on legislation to block or delay EPA from taking action on adopting greenhouse gas regulations. Senator Murkowski (R-AK) has introduced legislation to strip EPA of any authority to regulate greenhouse emissions (S.J.Res. 26), and Senator Rockefeller (D-WV) has sponsored legislation to delay any regulation by at least two years (S.3072). Either of these measures could also be offered as an amendment to other pending legislation in the Senate, and environmental groups will have to work diligently to avoid a climate set-back should either reach a vote.

Alternatively, the Senate could focus solely on energy legislation, which might have more bi-partisan support. The Senate Energy Committee reported energy legislation which it would want included in any Senate version of a climate bill. S. 1462- American Clean Energy and Leadership Act (ACELA). Sen. Bingaman (D-NM) establishes a national RES, address transmission siting, and includes other clean energy initiatives. This legislation could be considered by the Senate separate from climate legislation, and some believe it would stand a better chance of passage if it was decoupled from a discussion of cap-and-trade and/or carbon taxes.

Some have proposed moving ahead with legislation on energy coupled with energy tax incentives. Doing so would potentially build upon several bills, including S. 1462, and legislation introduced in the House to extend the current renewable energy tax grant provisions, H.R. 4599, the Renewable Energy Expansion Act of 2010 sponsored by Rep. Blumenauer (D-OR). An energy-energy and tax incentives bill appears to have a lot of appeal among renewable advocates, but could be viewed as a set-back for the Administration's stated priority of enacting comprehensive climate change legislation.

Leaders in both the House and Senate have expressed interest in action on a "green jobs bill." Perhaps, even before it tries to tackle some of the larger issues like climate change. House Ways and Means Committee reportedly may be planning to begin work on such legislation as soon as Congress returns from its Easter/Passover District Work Period.

One concern about any renewable energy tax legislation is whether there will be attempts to add crippling amendments. Recent public criticism raised by Senator Shumer (D-NY) and the Apollo Alliance about renewable

power development in the US (see: <http://apolloalliance.org/made-in-america/report-us-must-do-more-to-prevent-loss-of-clean-energy-manufacturing-jobs-2/>) could lead to amendments that might have far reaching consequences.

In the end, it needs to be stressed that even action on a green jobs bill will require at least a limited degree of bi-partisan support, and that may come down to whether there is fall-out from the recent health care debate. While passage of national health care legislation has clearly emboldened Democrats, it appears to have stiffened the opposition and increased the unity of the Republicans in both the House and Senate. With mid-term elections in sight, what may happen in the remaining months of this Congress could depend more upon what the sentiments of the public are about these issues. And defining public opinion is not always easy.

Both energy security and climate change are highly volatile issues. Will there be a new crisis on the energy or climate fronts in the coming months that will drive the political wheels of Washington and suddenly propel action on these issues? It's definitely not out of the question. And knowing how crises have driven these issues in the past, the possibility of such an event cannot be ignored in the political calculations being made about the upcoming elections and whether to engage in or seek to block legislation.

So, what's next? Most observers are saying, let's see what happens after the Easter "District Work Period" which is scheduled from March 29-April 9. After a brief cooling off period, we may find out if there is any room left for bi-partisanship. That will define whether Congress can act on the big issues, climate change and energy policy, or be limited to addressing tax-extenders and finishing the dozen annual appropriations bills needed to keep the government running -- and calling itself lucky if it can even finish those before Congress adjourns in the Fall.

To track the status of legislation by sponsor or bill number, go to: <http://www.thomas.gov/>.



Company News

Nevada Geothermal Power: Stock Options Issued

Press Release, March 12, Vancouver B.C. -- Nevada Geothermal Power Inc. (NGP) (TSX.V: NGP, OTCBB: NGLPF) announced that incentive stock options have been granted to certain employees of NGP to purchase 150,000 common shares of the Company at an exercise price of \$1.00 per share for a term of 5 years. Common shares which may be acquired upon exercise of the options shall vest over an eighteen month period. Twenty-five percent of the options will vest on the date of grant with the balance vesting in equal portions after six, twelve and eighteen months.

See <http://www.nevadageothermal.com/s/News.asp>.

Raser Technologies: Fourth Quarter Financial Results Announced

Press Release, March 17, Provo UT — Raser Technologies, Inc. (NYSE: RZ) an energy technology company, today announced financial results for the fourth quarter and full-year period ended December 31, 2009.

Recent Highlights:

- * \$32.99 million renewable energy grant application was approved and funded by the U.S. Treasury for the Company's Thermo No. 1 geothermal power plant. The grant is provided by the U.S. Treasury Department under the Section 1603 renewable energy grant program created by the American Recovery and Reinvestment Act of 2009.

- * Evergreen Clean Energy LLC agreed to structure and finance well field development for up to 100 MW of geothermal power projects. Under terms of the non-exclusive agreement, Evergreen is expected to provide approximately \$30 million in financing for each power project funded, with final amounts for each project based on the expected capacity of the project.

- * Nicholas (Nick) Goodman was named Chief Executive Officer. Mr. Goodman has 15 years of extensive experience growing companies through project development and acquisition. He most recently served as Chief

Executive Officer of TDX Power, an electric utility holding company and power generation project developer. Under his leadership, TDX Power has grown from \$3 million to over \$60 million in annual recurring revenues.

* John T. Perry was named Chief Financial Officer of Raser Technologies. Mr. Perry began employment on March 10, 2010. His duties as Chief Financial Officer will begin on March 22, 2010. Mr. Perry has more than 20-years of experience in the mining and metals industry.

For more, see <http://www.rasertech.com/category/news/press-releases>.

Sierra Geothermal: Two Prong Strategy Updated

Press Release, March 22, Vancouver, BC --- Sierra Geothermal Power Corp. (TSX VENTURE:SRA) ("SGP" or the "Company") is pleased to provide an update on its recent efforts to enhance shareholder value. These efforts remain focused primarily on two strategies. The first of these is a structured process to find a suitable merger or joint venture partner or a purchaser for the Company, assisted by its financial advisor, Jacob Securities Inc. This effort was originally announced in a January 26, 2010 news release, and is being managed by Sierra's Special Committee. The second strategy remains focused on adding value by developing projects to the power production stage.

Merger, Joint Venture or Sale

In February 2010, Jacob Securities circulated a detailed Confidential Information Memorandum to select parties, inviting them to engage Sierra in a formal process. Groups have shown active interest, and have initiated due diligence reviews in SGP's data room.

Exploration and Development Update

SGP is currently drilling a well at Alum and has recently completed a well at Silver Peak. Both wells are drilled as part of the US Department of Energy's Geothermal Technologies Program grant award on a 50/50 cost share basis between SGP and the US government.

Silver Peak Project

Drilling of the core well 38-11 on the Silver Peak project has been completed to a total depth of 1,649 meters (5,409 feet). The primary targeted structure, a major fault zone, was encountered in the interval from 1,515 meters to 1,631 meters (4,970 feet to 5,350 feet). SGP plans to complete the well with casing to allow for ongoing fluid testing and temperature measurements.

Alum Project

While drilling the coil tube slim-well 26-19 at Alum a zone of high permeability was encountered at 1,187 meters (3,895 feet) to 1,341 meters (4,400 feet). The coiled tube rig was released and the core rig from Silver Peak will be moved to Alum to resume drilling at 26-19. SGP plans to use the core rig to install a second liner to the bottom of the well, which should allow for temperature measurements to be made, in particular within the permeable zone. Once the preliminary temperatures are logged possible next steps include a flow test of the permeable zone and coring the well deeper.

"We are encouraged by the level of permeability that was encountered in these two exploration wells. We are eager to see the stable temperature results as soon as they can be obtained as this is the key element, combined with permeability (flow rate), for commercial production," said Gary Thompson, SGP's President and Chief Executive Officer.

For more, see <http://www.sierrageopower.com/>.

Urex Energy Corporation: Geothermal Leases Purchase Complete

Press Release, March 23 -- Urex Energy Corporation (the "Company" or "Urex") (OTC.BB:URXE - News) reports that it has completed the purchase of three geothermal leases totaling 6582 acres located in the State of Nevada from Enco Explorations Inc. of Reno, Nevada.

The Geothermal Lease Purchase Agreement provides for the Company to pay Enco Explorations Inc. 100 million shares of the Company's common stock per an agreement signed March 18, 2010.

As a part of an on-going reorganization of the Company's business activity, the decision to diversify into the geothermal energy field is aligned with the Company's long-term strategy to add shareholder value.

See <http://www.marketwire.com/press-release/Urex-Energy-Corporation-Completes-Purchase-of-Geothermal-Leases-1136520.htm>.



Renewable Energy and Climate Change

EPA to Conduct Hydraulic Fracturing Study

Press Release, March 18, Washington – The U.S. Environmental Protection Agency (EPA) announced that it will conduct a comprehensive research study to investigate the potential adverse impact that hydraulic fracturing may have on water quality and public health. Natural gas plays a key role in our nation's clean energy future and the process known as hydraulic fracturing is one way of accessing that vital resource. There are concerns that hydraulic fracturing may impact ground water and surface water quality in ways that threaten human health and the environment. To address these concerns and strengthen our clean energy future and in response to language inserted into the fiscal year 2010 Appropriations Act, EPA is re-allocating \$1.9 million for this comprehensive, peer-reviewed study for FY10 and requesting funding for FY11 in the president's budget proposal.

"Our research will be designed to answer questions about the potential impact of hydraulic fracturing on human health and the environment," said Dr. Paul T. Anastas, assistant administrator for EPA's Office of Research and Development. "The study will be conducted through a transparent, peer-reviewed process, with significant stakeholder input."

EPA is in the very early stages of designing a hydraulic fracturing research program. The agency is proposing the process begin with (1) defining research questions and identifying data gaps; (2) conducting a robust process for stakeholder input and research prioritization; (3) with this input, developing a detailed study design that will undergo external peer-review, leading to (4) implementing the planned research studies.

For more, see

<http://yosemite.epa.gov/opa/admpress.nsf/d0cf6618525a9efb85257359003fb69d/ba591ee790c58d30852576ea004ee3ad!OpenDocument>.

Bloomberg Predicts Jump in Renewable Energy Projects

Research released this week by Bloomberg New Energy Finance shows annual global expenditure on renewable energy projects will jump from \$90bn last year to \$150bn by 2020, according to businessgreen.com. But it will need to increase by up to a third more to avoid dangerous levels of climate change, according to the findings. Procurement must double to \$500 billion by 2030 to reach an average carbon emissions per head of only two tons by 2050. But current expenditure projections based on current policy show only \$200 billion in 20 years' time.

Guy Turner, director of carbon market research at the firm, told press the projections indicate rapid growth over the next two decades. "These findings confirm that, in spite of ongoing economic malaise, investment in renewable energy should continue to grow, driven heavily by existing government targets," he said.

See <http://www.businessgreen.com/business-green/news/2259805/bloomberg-predicts-renewable>.



State News

California: Medicine Lake Geothermal Leases Continue Legal Process

A proposed geothermal power plant at Medicine Lake in California has been stalled in legal process as environmentalists and local groups say Calpine Corporation no longer has rights on the land. The case is in its 12th year of litigation; the Ninth Circuit Court of Appeals will determine whether the original leases ended due to invalidated extensions. See <http://www.siskiyoudaily.com/news/x673421766/Medicine-Lake-geothermal-leases-questioned-in-appeal>.

California: Hudson Ranch 1 Plant Granted Stimulus Funds

Hudson Ranch 1 geothermal plant, to be developed by CHAR, received confirmation on eligibility for American Recovery and Reinvestment Act funds this week, according to [ivpressonline.com](http://www.ivpressonline.com). The ARRA stated construction on projects must begin after January 1, 2009. CHAR began exploratory drilling in 2008, but Treasury officials determined this was not considered actual construction. CHAR is eligible for \$100 million in federal stimulus funds.

See http://www.ivpressonline.com/articles/2010/03/21/local_news/news07.txt.

California: Revamped grid would promote renewable energy growth

The Imperial Irrigation District has introduced a plan for revamping the system, according to [ivpressonline.com](http://www.ivpressonline.com). The project would allow connection to more renewable energy plants, open up jobs, and promote more growth. "Transmission lines are vital to IID and geothermal energy to transmit the geothermal industry's energy out of the Imperial Valley," IID Director John Pierre Menvielle told press.

See http://www.ivpressonline.com/articles/2010/03/18/local_news/news02.txt.

California: CPUC Allows Tradable Renewable Energy Credits

A CPUC decision this week would allow the use of tradable renewable energy credits (TRECs) in the state, according to [nacleanenergy.com](http://www.nacleanenergy.com). California's renewable portfolio standard requires renewable energy to come from certain sources and that it be delivered directly to the state. Under the CPUC's decision, utilities can purchase the TRECs from the renewable generator separate from their associated energy source. The CPUC defined certain transactions as unbundled transactions, or transactions that did not result in additional renewable generation imported into California. Those TREC transactions would be subject to a cap while others would not. The CPUC decision is available at http://docs.cpuc.ca.gov/PUBLISHED/AGENDA_DECISION/114750.htm.

See also http://www.nacleanenergy.com/index.php?option=com_content&view=article&id=2939:california-public-utilities-commission-decision-allows-tradable-renewable-energy-credits&catid=1:latest.

Colorado: Governor Signs Historic Renewable Energy Bill

From Sustainable Energy Coalition/SUN DAY Campaign, Colorado Governor Bill Ritter has signed into law landmark legislation (House Bill 10-1001 – sponsored by Rep. Max Tyler and Sens. Gail Schwartz and Bruce Whitehead) that gives Colorado the highest renewable energy standard in the Rocky Mountain West, requiring that 30 percent of electricity be generated from renewable sources by 2020. HB 10-1001 also calls for 3 percent of the standard to be met by local solar power. In 2004, Coloradans passed Amendment 37, which set the country's first voter-approved renewable energy requirement at 10 percent by 2015. In 2007, Gov. Ritter and the legislature doubled the requirement to 20 percent by 2020. Twenty-nine states now have renewable energy requirements.

See

<http://www.colorado.gov/cs/Satellite?c=Page&childpagename=GovRitter%2FGOVRLayou&cid=1251573387639&pagename=GOVRWrapper>.

Oregon: Klamath Falls Serves as Model for Geothermal Industry Nationwide

An AP article this week highlights Klamath Falls, Oregon as an example for successful use of geothermal. "With more than 600 geothermal wells heating houses, schools and a hospital as well as turning the turbine on a small power plant, Klamath Falls shows what everyday life could be if stimulus grants and venture capitalists turn geothermal energy from a Western curiosity to a game-changing energy resource," according to the article. With an \$816,000 stimulus grant, the city is taking the next step beyond geothermal heat to electricity production at Oregon Institute of Technology.

See <http://humanitariannews.org/20100320/klamath-falls-serves-model-geothermal-industry-nationwide>.



International News

Chile: New Zealand Firm to Invest \$226 Million in Geothermal Project

GGE Chile Spa, a unit of New Zealand's GeoGlobal Energy, won the bidding in June 2009 for a 7,800-hectare (19,529-acre) area in southern Chile and will invest \$226 million over a 3-year period, according to laht.com. Two geothermal power plants are in the works - a 9.4 MW plant, \$38.3 million, and a 70 MW plant, \$187.7 million.

See <http://www.laht.com/article.asp?ArticleId=353975&CategoryId=14094>.

Indonesia: Minister Zulkifli Supports Geothermal Mining

Minister of Forestry Zulkifli Hasan said he supports PT Pertamina Geothermal's plan to drill for geothermal resources. "Geothermal is an environmental-friendly energy. So, we support it," said Zulkifli. The Pertamina area is in a conversation forest and government regulates only drilling in protected forests. But, "After the law is ratified, then these activities can be carried out," Zulkifli said. He supports the use of the forest area for geothermal drilling, he told press.

See <http://www.tempointeractive.com/hg/nasional/2010/03/18/brk,20100318-233626,uk.html>.

Indonesia: World Bank Helps Indonesia Increase Geothermal Energy

The World Bank has announced \$400 million in funds to help double Indonesia's geothermal energy capacity, according to the *New York Times*. The funding will help the country in its goal to reduce greenhouse gas emissions 26% over the next decade.

"Indonesia has the largest geothermal energy potential in the world. The co-financing will help Indonesia reduce the use of fossil fuels to meet its rapidly growing energy needs. It also gives a clear signal on the practical actions developing countries can take to combat global climate change," Katherine Sierra, the World Bank's vice president for sustainable development, said in a statement.

See <http://www.nytimes.com/cwire/2010/03/22/22climatewire-world-bank-helps-indonesia-increase-geotherm-67858.html>.

Indonesia: Tata, Chevron Bid for Indonesian Geothermal Project

Tata Power and Chevron's Indonesian unit have submitted bids to build a geothermal power plant in North Sumatra, according to istockanalyst.com. The power plant, with an initial capacity of 55 MW, will then be increased to 200 MW.

See <http://www.istockanalyst.com/article/viewiStockNews/articleid/3957719>.

Japan: Wind, Geothermal Power Feed-in Tariff Proposed

Japan's trade ministry has proposed expanding the current feed-in tariff for utilities buying surplus solar power from homes and businesses to include geothermal and wind power. The incentive program, which would be applied for the next 10 and 20 years, would help the government's goal to supply 10% of the country's energy from renewable sources by 2020. Utilities may purchase renewable power at between 15 yen (17 cents) and 20 yen a kilowatt hour.

See <http://www.businessweek.com/news/2010-03-23/japan-proposes-wind-geothermal-power-feed-in-tariff-update1-.html>.

Kenya: Government to Build 280 MW Over Three Years

Kenya's government has announced plans to build 280 MW worth of geothermal power plants, according to coastweek.com. The plants, to be built over the next 3 years by the Kenya Electricity General Company (KenGen), will cost the government \$1.4 billion. The German government will provide 71 million Euros. "The Kenyan government has taken deliberate steps to harness our potential in excess of 7,000 MW of electricity out of which we are exploiting a mere 167 MW," Energy Minister Kiraitu Murungi told stakeholders.

The government has formed the Geothermal Development Company (GDC) to increase the attraction for geothermal investment in Kenya.

See <http://www.coastweek.com/kenxin190310-01.htm>.

Nevis: Deadline Extended for Delivery of Geothermal Energy

The Nevis Island Administration (NIA) has granted an extension for the delivery of geothermal energy from West Indies Power Ltd. from late 2010 to June 2011, according to caribbeannetnews.com. The contract was signed on the April 20, 2009.

"The West Indies Power Ltd. made a request of the government in terms of an extension in time. We fully understand and appreciate the fact that because they had their challenges with respect to getting the finances in place as quickly as they thought they would be able to do, that they would not be able to make the December deadline," Carlisle Powell, Minister responsible for Natural Resources and Public Utilities on Nevis said.

"It is a reasonable request and we have given them an extension which will take us through to the end of June in 2011. It is a reasonable request it was well supported by facts and we saw absolutely no reason not to grant them an extension and that has been done and so we are working now with a new timeline," Powell said.

See <http://www.caribbeannetnews.com/news-22162--35-35--.html>.

Philippines: Psalm to Auction Geothermal Facilities May 5

The Philippines' Power Sector Assets and Liabilities Management Corp. (Psalm) will auction its 150-MW BacMan geothermal plant to private investors on May 5. A pre-bidding conference will be held April 6. The facilities include two 55-MW and two 20-MW units.

See <http://www.nasdaq.com/asp/stock-market-news-story.aspx?storyid=201003172308dowjonesdjonline000748&title=philippinespsalm-to-auction-150-mw-geothermal-facilities-may-5> and <http://www.malaya.com.ph/03182010/busi4.html>.



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



Notices

New This Week

GEA Seeking Information for Next U.S. Geothermal Industry Update

GEA is in the process of preparing its next U.S. Geothermal Industry Update, which we plan to release in early April. We are pulling together information on every geothermal power projects under development in the United States. The GEA Industry Update is a major source of information for people interested in the geothermal market in the United States.

If you have any projects in development for which you would like to submit or update information please contact Dan Jennejohn at danj@geo-energy.org or at 202.454.5261. To ensure inclusion in the Industry Update project information should be submitted to the GEA by Friday, March 26, 2010.

If you have questions regarding the Industry Update please contact Dan Jennejohn at the email address or phone number above. To see a copy of the previous update go to:
(http://www.geo-energy.org/pdf/reports/US_Geothermal_Industry_Update_Sept_29_2009_Final.pdf)

Please note, if a project is already listed in the September 2009 Update, it does not automatically remain the same in the new edition of the update. If we cannot affirmatively confirm the status of, and information about, the project with the developing company, the project will be listed as unconfirmed in the new edition of the update.

The Department of Energy Wants to Hear Your Stories

Energy Empowers (<http://www.eereblogs.energy.gov/energyempowers>) is all about your stories from the clean energy economy. This blog and multimedia site, run out of DOE's Office of Energy Efficiency and Renewable Energy, seeks to put a human face to the people, places, technologies and developments that will define our energy future – showing everyone that these advancements are real, growing and becoming part of our communities around the United States. We encourage everyone working in the energy space to visit and share their own success stories at <https://www1.eere.energy.gov/pnp/stories/stories.aspx>.

These stories can include DOE and ARRA projects, but we are also eager to see communities, private citizens and businesses taking the initiative in building America towards a clean energy future.

Notices

DOE Geothermal Technologies Database Available On-Line

The Geothermal Technologies Program's (GTP) projects database details various GTP-funded projects throughout the United States. You can search this database by keyword, state, project title, technology, awardee, partner, Funding Opportunity Announcement (FOA) number, or funding source. For each project you will find a profile that includes background information, objectives and milestones, and a listing of participants. See <http://apps1.eere.energy.gov/geothermal/projects/>

NREL Announces New Poll on Renewable Energy Finance

The National Renewable Energy Lab (NREL) recently announced the availability of its new quarterly poll on RE Finance. The project, the RE Project Finance Tracking Initiative (REFTI) is designed to assess trends and barriers in project finance, the effectiveness of government incentive programs, and best practices in RE project finance. Access to good data is critical to thorough analysis and policymaking. Please help by participating in NREL's questionnaire. Any questions or concerns regarding the poll or data confidentiality can be directed to Michael Mendelsohn, Senior Financial Analyst at NREL.

DOE Loans Programs Office Offers Email Updates

From the DOE Loans Programs Office: The U.S. Department of Energy's Loan Programs Office invites you to sign up for our email list. On a periodic basis, we will forward program updates including announcements of solicitations, conditional commitments of loan guarantee and closings, and upcoming events in our web-based seminar series. You will find the subscription form on-line at: www.usaenergyadvisors.com/DOE/doe-newsletter-signup.htm

Please feel free to contact DOE's Loan Program Help Desk at doehelpdesk@usaea-connect.com, or 614-324-5940. Or visit DOE's Loan Program on-line at: www.lgprogram.energy.gov for additional information about the Loan Program. Our mailing list is secure and is not distributed or disclosed in any way.

Colorado ARRA Grant Schedule Posted, Governor's Energy Office

The Governor's Energy Office (GEO) has posted a schedule of anticipated American Reinvestment and Recovery (ARRA) grants to begin in January of 2010. The GEO plans to hold a webinar for each grant solicitation approximately one week after the official posting date. Note: the timeline is subject to change; grants may be pushed back to later dates, but will not open earlier. The schedule is available at <http://www.colorado.gov/energy/index.php?/resources/category/funding-opportunities/>.



Employment

Employment Opportunities

Jobs Available at Idaho International Laboratory

In operation since 1949, the INL is a science-based, applied engineering national laboratory dedicated to supporting the U.S. Department of Energy's mission in nuclear energy research, science, and national defense. With 3,500 scientists, researchers and support staff, the laboratory works with national and international governments, universities and industry partners to discover new science and develop technologies that underpin the nation's nuclear and renewable energy, national security and environmental missions.

The INL is located in Idaho Falls. www.visitidahofalls.com Idaho, www.visitidaho.org.

To learn about the INL History and strategic plan: www.inl.gov

To view current career openings with the INL: www.inl.gov/careers/index.shtml

Contact Vanessa E. Van Dyk
Technical Recruiter – Energy & Environment
Idaho National Laboratory
2525 Fremont Avenue, Idaho Falls, ID 83415-3790
Phone 202-526-6325 Fax 208-526-1880
Email Vanessa.vandyk@inl.gov

Project Manager

Summary: Responsible for implementation of all aspects of project development from project inception through turn-over to engineering for final design and construction and provide assistance after turn-over to engineering as needed. Will manage multi-disciplinary teams, focused on executing company developmental plans and achieving project goals.

Duties and Responsibilities:

- The PM's two fundamental responsibilities are preparing and maintaining project schedules and budgets. As necessary the PM draws on resources (Development, Senior Scientists, top management) to meet the master project schedule and budget as approved by top management.
- Responsible for oversight, facilitation and implementation of all aspects of project development from initial prospect evaluation to turn over to engineering for final design. Key project factors (schedule, budget) are set by top management. PM's role is to ensure that top management policy is met.
- Negotiates contracts and other agreements related to the sale and transmission of electricity.
- Assists in preparation of financial documents to raise funding necessary to fund project
- Manages Project Development team
- Manages Consultants through the selection process, task assignment, coordination of actions, and quality control.
- Oversee all project land/lease acquisition activities, including contract negotiations.
- Oversees selection of transmission line routes, locations and corresponding transmission agreements
- Provide support to geoscience, drilling, legal, finance, engineering and other departments as needed.
- Meets with government officials and public as necessary.

Supervisory Responsibilities:

- Oversee various project managers, engineers and consultants to facilitate the timely completion of geothermal projects. Direct staff will consist of 3-6 employees.

Qualifications:

- Bachelor's degree (B.A. /B.S.) in related field or equivalent preferred.
- Six or more years related experience.
- A broad understanding of permitting on federal lands, drilling, resource development, power plants and transmission systems.
- Ability to gather project information sufficient to create very detailed project development schedules and to build detailed project budgets and financial models to facilitate implementation of the schedules.

Contact: Andrew Matkovic / Vice President
The Carmon Group Inc.
andrewmatkovic@carmongroup.com
(216) 539-7668

Development Engineer

Job Title: Development Engineer

Summary: Responsible for taking the lead on negotiating the technical sections and provisions in all major project contracts and agreements including; Power Purchase Agreements, Transmission Service Agreements, Interconnection Agreements, EPC contracts and project financing agreements.

Duties and Responsibilities:

- Work closely with the VP of Project Development and Legal Department to develop and negotiate the technical provisions in all major project contracts and agreements including PPAs, TSAs, LGIAs, EPC contracts and project financing agreements.
- Negotiate the technical provisions of the major project contracts.
- Coordinate with Management to acquire the technical information required to negotiate all major contracts and agreements.
- Provide progress reports to upper management

Qualifications:

- Demonstrated strong negotiation skills
- Minimum 10-15 years of power plant engineering and construction experience, geothermal or other renewable energy experience desired.
- Minimum of 5 years experience negotiating major contracts for the development of power plant projects.
- Strong knowledge of power plant O&M requirements including scheduling & dispatching energy, metering, maintenance & outage planning.
- Strong knowledge of Nevada and California Utility requirements and concerns with negotiating with Independent Power Producers.
- Strong knowledge of ISO requirements (particularly Nevada and California)
- Strong knowledge of selling power and Renewable Energy Credits on the open market.
- Self starter, excellent problem solving skills, excellent people skills
- Proficient oral and written communication skills
- Proficient computer skills
- Bachelor degree in engineering or equivalent

Contact: Andrew Matkovic
Vice President
The Carmon Group Inc.
andrewmatkovic@carmongroup.com
(216) 539-7668

Project Manager Geothermal Exploration, Europe

Job Description

We are a new geothermal energy company, focused on the exploration and development of geothermal power resources in Europe. In 2010, we will be expanding our investigations of several regions that may host economic geothermal resources. Our principals are based in Canada and the US and have successfully developed oil & gas, mining and geothermal resources.

We require a project manager with field experience in geothermal exploration to coordinate in-country staff, consultants and contractors. This individual will have broad responsibility for project planning and management, budgets, liaising with government agencies, characterizing resources with appropriate exploration methods, and preparing detailed reports to describe a number of geothermal aquifers and their relative potential.

We are now interviewing candidates for this assignment. This is a contract position based in Europe that will require in-country and international travel. The initial term of this contract will be one year with the potential of extension for a second year. We will provide an excellent compensation package to the right person including equity incentives. This is an attractive and rewarding opportunity for an entrepreneurial professional.

Responsibilities

- Design and manage the exploration programs
- Prepare and manage budgets
- Manage local staff, consultants and contractors
- Liaise with land owners and local and national governments
- Coordinate geological, geochemical and geophysical studies
- Develop geological and resource models
- Supervise exploratory drilling operations
- Prepare detailed assessments of target geothermal resources
- Prepare funding applications for development and technical assistance

Requirements

- Geology or Geophysics degree, professional certification
- Over 10 years experience in the exploration of geothermal resources
- Oil & gas or mining background will be considered
- Proven leadership and project management abilities
- Proven negotiation and communication skills
- Strong geological and geophysical interpretive skills
- Experience using computer software applicable to exploration
- A problem solver, "get it done" attitude

Location: Europe

Contact: droberts@penderfinancial.com

Senior Director, Business Development, Major Geothermal Company

The Senior Director, Business Development is responsible for overseeing the Business Development function in North America for geothermal market. This role could quickly grow into a VP role and will oversee a sales team currently consisting of 8 sales reps and will grow it by 50%.

Essential Functions:

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

Education, Experience, and Skills Required:

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

Contact: Paige Carratturo, Executive Recruiter
Richard Wayne & Roberts
877-236-0899 (direct)
206-855-9746 (fax)
paige@rwr.com
<http://www.linkedin.com/in/paigecarratturo>

Geothermal Project Supervisor, Central American Bank for Economic Integration, Costa Rica

The Central American Bank for Economic Integration (Banco Centroamericano de Integracion Economica, BCIE) is looking for an expert in geothermal energy to supervise a project in Costa Rica. It is called Las Pailas and it is financed through BCIE.

Contact: Ana Karina Rubi de Reyes, Oficial de Consultorias, BCIE-Tegucigalpa, Honduras
Tel. +504-240-2243, Ext. 5214
Fax. +504-240-2228

Visit the BCIE Web site, www.bcie.org - www.cabei.org



Requests for Proposals

Closing This Week

Geothermal Feasibility Study, Midwest, Wyoming (March 30)

Request for Proposals (RFP) for provision of a professional consultant and/or firm to develop a feasibility study that will provide the necessary findings to provide community leaders in the Town of Midwest with the information necessary to evaluate the best use(s) of an existing geothermal well.

Submittal Date: 3/20/2010

Projected Cost: \$25,000

Contact:
Roberta (Bert) Smith
Town of Midwest
Box 190
Midwest, WY 82643
(307) 437-6513
Fax (307) 437-6514
midwest@rtconnect.net

Greenhouse Gas Mitigation, Indonesia (March 30 and September 15)

The U.S. Agency for International Development Mission in Indonesia requests applications for the Greenhouse Gas Mitigation Program. This RFP will support projects to reduce greenhouse gas emissions in both the land use/forestry sector and the energy sector. \$1.5 million expected to be available, up to 2 awards anticipated. Responses due 3/30/10 and 9/15/10. For more info, contact Dominic Soenarno at aps10-011@usaid.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=51783>. Refer to Sol# APS-INDONESIA-10-011. (Grants.gov 2/12/10)

Technology Solutions, 2010 Tech Awards Nominations (March 31, 2010)

Nominations are invited for the 2010 Tech Awards. This program awards individuals, organizations, and companies from around the world that are utilizing innovative technology solutions to address issues pertaining to health, education, the environment, economic development, and equality. Individual awards \$50K each. Responses due 3/31/10. For more info, go to: <http://techawards.thetech.org/>. (Foundation Center RFP Bulletin 11/6/09)

Emerging Frontiers in Research and Innovation (March 31, 2010)

The National Science Foundation requests proposals for Emerging Frontiers in Research and Innovation. Through this new funding opportunity, the NSF seeks proposals from interdisciplinary teams of researchers, with transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge. Areas of interest include: 1) Renewable Energy Storage, and 2) Science in Energy and Environmental Design (SEED): Engineering Sustainable Buildings. This solicitation is in coordination with the U.S. Department of Energy and the U.S. Environmental Protection Agency. \$29 million expected to be available, up to 14 awards anticipated. Letters of Intent due 10/9/09, preliminary proposals due 11/13/09, final proposals due 3/31/10. For more info, go to: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf09606. Refer to Sol# 09-606. (Grants.gov 8/13/09)

RFP for Smart Grid Investments, DOE, American Recovery and Reinvestment Act (March 31, 2010)

The U.S. Department of Energy announces its intent to request proposals for the Smart Grid Investment Grant Program. Through this program, DOE seeks to stimulate the rapid deployment and integration of advanced digital technology that is needed to modernize the nation's electric delivery network for enhanced operational intelligence and connectivity. The program will support projects that promote deployment, including development of component technologies. Individual award range anticipated to be \$500K to \$5 million. The RFP will open on or about 6/17/09. Three due dates anticipated: 7/29/09, 12/2/09, and 3/31/10. For more info, contact Donna Williams at Smart-Grid.NOIComments@hq.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/39C0D96768F2083F8525759A0068F216?OpenDocument> <http://www07.grants.gov/search/search.do;jsessionid=9x3VJydGP2TfWHPRK9mfnpLqsWpm1TQmDJTzS6XLDp1QJKpb2SM!-1267850137?oppld=46833&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000058. (Grants.gov 4/16/09)

RFP Announcements**Seeking Investor, Geothermal Project, Oregon**

"Oregon investment group performing feasibility work at SE Oregon location is seeking one additional early round investor, knowledgeable in geothermal energy exploration preferred, but not required. Project has secure land block, initial financing, and access to extensive historical database of target site. If interested, contact Peter Hall at Pueblo Valley Geothermal (pbh@bendbroadband.com) for additional details".

Geothermal Energy Development, Department of the Navy

Department of the Navy Naval Air Systems Command Naval Air Warfare Center Weapons Division Dept. 3a Recovery Act - The purpose of this Broad Agency Announcement (BAA) is to solicit proposals for investigations of geological properties associated with active geothermal systems within select regions of Naval Air Station (NAS) Fallon, NV; Naval Air Facility (NAF) El Centro, CA; Chocolate Mountains Gunnery Range (Chocolate Mountains), CA; and Hill Air Force Base (AFB), UT. The object is to perform geological investigations that could potentially lead to the discovery of a geothermal resource. This notice constitutes a BAA as contemplated in FAR 6.102(d)(2). A formal Request for Proposal (RFP)/Solicitation will not be issued. The Naval Air Weapons Division (NAWCWD) will not issue paper copies of this BAA. NAWCWD reserves the right to select for award, all, some, or none of the Proposals in response to this BAA. NAWCWD reserves the right to fund all, some, or none of the Proposals received under this BAA. NAWCWD provides no funding for direct reimbursement of proposal development costs. Technical and Cost Proposal (or any other material) submitted in response to this BAA will not be returned. It is the policy of NAWCWD to treat all Proposals as competition sensitive Bid and Proposal Information and to disclose their contents only for the purpose of evaluation. Awards will be to United States (U.S) companies only. All contracts resulting from this announcement are subject to the federal Acquisition Regulation and the Department of Defense Federal Acquisition Regulation Supplement. SEE ENCLOSED ATTACHMENT FOR SPECIFIC INFORMATION AND FORMATTING THAT MUST BE FOLLOWED WHEN PREPARING PROPOSALS FOR THIS CONTRACTING EFFORT. This enclosure calls out another document "Genetic Occurrence Models for Geothermal Prospecting, N68936-04-C-0057", which is attachment 2 to this notice. Place of Performance (if applicable): Naval Air Station (NAS) Fallon, NV; Naval Air Facility (NAF) El Centro, CA; Chocolate Mountains Gunnery Range (Chocolate Mountains), CA; and Hill Air Force Base (AFB), UT.

See <http://www.tradingmarkets.com/site/news/Stock%20News/2650824/>.

Renewables, Efficiency and Water Conservation – Worldwide (TBA April 5)

The U.S. Navy announces its intent to request proposals for Renewable Energy Technologies - Energy and Water Conservation Services for Navy Facilities. This work is intended to promote the use of renewable energy technologies, acquire energy and water conservation services, reduce energy and water consumption and/or associated utility costs, and reduce energy and water-related operations and maintenance costs, as specified in each task order issued against the contract. The work will be performed at DOD facilities globally. DOD anticipates release of the RFP on 4/5/10. For more info, contact Dyanne Van Der Kamp at

dyanne.vanderkamp@navy.mil or go to:

https://www.fbo.gov/?s=opportunity&mode=form&id=5366f2e24697c02cbe9b7eae834546a2&tab=core&_cview=0
. Refer to Sol# N6258310R0333. (FBO 1/22/10)

Global Climate Change Education, NASA (April 28)

The National Aeronautics and Space Administration (NASA) requests proposals for Global Climate Change Education: Research Experiences, Modeling and Data. Areas of interest include: 1) Global Climate Change Science Research Experiences for Undergraduate or Community College Students and Pre- or In-Service Teachers including those in nontraditional teacher licensure programs, and 2) Using NASA Earth system data, interactive models and/or simulations to Strengthen Teaching and Learning about Global Climate Change. \$8 million expected to be available, up to 25 awards anticipated. Notice of Intent is requested but not required and is due 3/18/10, final proposals due 4/28/10. For more info, contact Tamra Ross at tkross@nasaprs.com or go to: <http://nspires.nasaprs.com/>. Refer to Sol# NNL10ZB1011C. (Grants.gov 2/18/10)

Industrial Technologies Technical Assistance, DOE (May 6)

The U.S. Department of Energy requests proposals for Industrial Technologies Program Superior Energy Performance Program Administrator Technical Assistance. Through this RFP, DOE seeks to fund an administrator and technical assistance provider for the new American National Standards Institute- accredited Superior Energy Performance industrial plant/facility certification program (SEP-PA). The purpose of SEP is to serve as a roadmap for achieving continual improvement of energy efficiency at industrial facilities. Up to \$5 million expected to be available, 1 award anticipated. Responses due 5/6/10. For more info, contact Michael

Buck at michael.buck@go.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000246&agency=DOE>. Refer to Sol# DE-FOA-0000246. (Grants.gov 2/24/10)

Climate Change Education, NSF (May 24)

The National Science Foundation requests proposals for the Climate Change Education Partnership Program. This program seeks to establish a coordinated national network of regionally or thematically based partnerships devoted to increasing the adoption of effective, high quality educational programs and resources related to the science of climate change and its impacts. \$10 million expected to be available, up to 15 awards anticipated. Letters of Intent due 4/23/10, final proposals due 5/24/10. For more info, contact Karen Oates at koates@nsf.gov or go to: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf10542. Refer to Sol# 10-542. (Grants.gov 2/24/10)

Climate Adaptation and Disaster Resilience – Indonesia (July 26)

The U.S. Agency for International Development, Mission in Indonesia, requests proposals for Climate Adaptation and Disaster Resilience (CADRE). Indonesia is particularly vulnerable to climate change and disasters. CADRE supports projects that address climate change and disasters by efficiently, effectively and sustainably addressing the needs for disaster risk reduction and climate change adaptation together, among vulnerable populations in Indonesia. Multiple awards ranging from \$500K to \$1.5 million anticipated. Concept Papers are due 1/25/10 and 7/26/10. For more info, contact Johanna Gardjito at aps10-005@usaid.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=50515>. Refer to Sol# APS10-005. (Grants.gov 12/7/09)

Greenhouse Gas Mitigation, Indonesia (September 15)

The U.S. Agency for International Development Mission in Indonesia requests applications for the Greenhouse Gas Mitigation Program. This RFP will support projects to reduce greenhouse gas emissions in both the land use/forestry sector and the energy sector. \$1.5 million expected to be available, up to 2 awards anticipated. Responses due 3/30/10 and 9/15/10. For more info, contact Dominicus Soenarno at aps10-011@usaid.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=51783>. Refer to Sol# APS-INDONESIA-10-011. (Grants.gov 2/12/10)

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

The U.S. Department of Energy, Office of Science, announces its continuing interest in receiving grant proposals in areas including, but not limited to: Basic Energy Sciences, Biological and Environmental Research, and Advanced Scientific Computing. Proposals accepted through 9/30/10. For more info, including program-specific contacts, go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000179&agency=DOE>. Refer to Sol# DE-FOA-0000179. (Grants.gov 12/4/09)

Power, Controls and Adaptive Networks, NSF (October 7)

The National Science Foundation requests proposals for Power, Controls and Adaptive Networks. This program supports distributed control of multi-agent systems with embedded computation for sensor and adaptive networks. This program emphasizes electric power networks and grids, including generation, transmission and integration of renewable, sustainable and distributed energy systems, such as fuel cells and micro-turbines in large power networks; high power electronics and drives; and understanding of associated regulatory and economic structures. The program also emphasizes energy scavenging and alternative energy technologies, including solar cells, ocean waves, wind, geothermal, low-head hydro, and the hydrogen economy. In addition, the program supports generation and integration in the National Grid (InterGrid), and interdependencies of critical infrastructure in power and communications. Responses due 10/7/10. For more info, contact Radhakishan Baheti at rbaheti@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13380. Refer to Sol# PD-10-1518. (Grants.gov 2/17/10)



Events

Added This Week

Project Peer Review, DOE Geothermal Technologies Program, Crystal City, VA (May 18–20)

The Geothermal Technologies Program (GTP) will be holding a project peer review May 18-20, 2010, in Crystal City, Virginia. Key investigators involved in geothermal research projects will make short presentations and discuss their research with a panel of peer reviewers. Recently completed, in progress, and new projects will all be represented. On May 18, prior to the review, DOE managers will discuss GTP's challenges, opportunities, and plans for the future in a half-day meeting. DOE requires periodic third-party peer reviews of programs to evaluate their effectiveness, management, productivity, and relevance to DOE goals.

It has been several years since GTP's last peer review and the program is excited to see all its projects and principal investigators together in one place. The program looks forward to productive discussions and feedback on the projects.

The 2010 GTP Peer Review will be held at:

Hyatt Regency Crystal City
2799 Jefferson Davis Highway
Arlington, VA 22202

Visit <http://crystalcity.hyatt.com/hyatt/hotels/index.jsp> for more information. Block rates will be provided to GTP Peer Review attendees.

See http://www1.eere.energy.gov/geothermal/news_detail.html?news_id=15832.

**Note: For anyone attending the DOE GTP program review on May 18–20, GEA will extend the reduced GEA Member/Government Employee rate for admission to the GEA Global Geothermal Showcase and Forum on May 21 in Washington, DC. The program will include a panel of leading research project presentations!*

Happening This Week

Renewables Rendezvous, Power Engineers, Boise, ID (March 23–24)

1st Annual Renewables Rendezvous, 23-24 March 2010, Boise, Idaho

From Power Engineers: Renewable energy is a hot topic right now, but we've been deep into it since 1987. If you are interested in renewable energy, join us at our Renewables Rendezvous this March for a two-day, technical conference. Whether it's resource, permitting, engineering or interconnection issues, do not miss your chance to learn from industry experts!

For conference topics, registration, and more go to www.powereng.com/news/events/event.aspx?id=549.

The Governor's Renewable Energy Policy Conference, Riverside, CA (March 24)

The Governor's Renewable Energy Policy Conference: Siting and Permitting Large-Scale Projects in the California Desert and Beyond

Date: March 24, 2010

Location: University of California, Riverside

The Governor's Renewable Energy Policy Conference: Siting and Permitting Large-Scale Projects in the California Desert and Beyond will consist of organized conversations on key issues related to large-scale renewable energy projects. Speakers and moderators will include local, state and federal government officials as well as prominent environmentalists, community representatives and renewable energy developers.

Registration is full, but request more information at <http://gov.ca.gov/home/energy-conference>.

GEA Events

CGEC California Geothermal Energy Summit, May 10, 2010 (Davis, CA)

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

UC Davis Campus

Monday, May 10, 2010

8 am – 5 pm

Mondavi Center, UC Davis, Davis, California

The California Geothermal Energy Collaborative will be holding the 2010 California Geothermal Forum (formerly called the Summit) on May 10th as part of the UC Davis Energy Institute's UC Energy Week 2010.

The California Geothermal Forum will feature panels of recognized experts discussing:

- * The current status of new transmission infrastructure
- * The evolving California energy and environmental landscape - updates on draft California Air Resources Board (CARB) efforts, RPS and AB32/Green House Gas goals and what they mean for geothermal energy
- * Community-scale geothermal efforts - distributed generation, hybrid applications and incentives

Over the last two years numerous changes have affected how California views and uses energy. Attendees will have an opportunity to hear about the current direction of technology, regulations and incentives that affect the use of geothermal energy. Leaders from the regulatory, industrial, utility, R&D and county/city/community arenas will discuss their perspectives regarding this dynamic and challenging time for the use of geothermal energy in the state.

A Monday evening reception from 5–7 p.m. will be a free event at the UC Davis Conference Center. It will provide an informal venue for participants from all areas of renewable energy to meet and discuss topics of mutual interest.

GEA Global Geothermal Showcase and Forum, May 21, 2010 (Washington, DC)

GEA will be holding a one-day "Global Geothermal Showcase and Forum" in Washington, DC on Friday, May 21, 2010 at the Ronald Reagan Building and International Trade Center. The "Global Geothermal Showcase and Forum" will provide a showcase of current geothermal projects and policies in the U.S. and around the world.

The day's agenda will include presentations and panel discussions by U.S. and international government representatives on geothermal power as well as an overview of GEA's forthcoming International and U.S. Geothermal Industry Updates by GEA staff and others. Other topics to be covered include national and international policies to support geothermal development, the global potential for geothermal energy, and geothermal research and technology developments.

Confirmed speakers include:

Jacques Beaudry-Losique, Deputy Assistant Secretary for Renewable Energy of the Office of EERE

Chris Miller, Senior Advisor to Senator Harry Reid

Allyson Anderson, Professional Staff, Senate Committee on Energy and Natural Resources

Karl Gawell, Executive Director, Geothermal Energy Association

C.J. Arrigo, Director, Glacier Partners Corp.

Toni Volpe, President, Enel North America

Alison Thompson, VP Corporate Relations, Magma Energy Corporation

Jonathan Weisgall, VP, Legislative and Regulatory Affairs, MidAmerican Energy Holdings Co.

Richard Clayton, Principal Executive Officer, Raser Technologies

Halley Dickey, Director of Geothermal Business Development, TAS

George Alcorn, CEO, Universal GeoPower

Josh Nordquist, Project Manager, Ormat Technologies

Charles Baron, Researcher, Climate and Energy Team, Google.org

Bernie Karl, Owner, Chena Hot Springs

Dr. Jefferson Tester, Croll Professor of Sustainable Energy Systems, Cornell University
Ryan Mulholland, International Trade Specialist, U.S. Department of Commerce

Registration is open. There will also be a limited space for tabletop displays for companies who wish to showcase their company and projects. Special thanks to our Gold Level Sponsor to date; Pratt & Whitney Power Systems.

Contact: Kathy@geo-energy.org

GEA Geothermal Energy Workshop, July 22, 2010 (Las Vegas, NV)

GEA is planning a Geothermal Energy and Utilities Workshop on July 22, 2010 in Las Vegas. This event will cater to the large number of utilities that are interested in geothermal energy. Registration opening in mid-April.

Contact: Kathy@geo-energy.org

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

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

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

Exhibitor Benefits include:

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

Exhibitor Registration is open. Register at <http://www.geothermalenergy2010.com/>.

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

World Geothermal Congress, April 25–30 (Bali, Indonesia)

Press Release, March 2 — Some of the most innovative energy products will soon be on show in Bali for the World Geothermal Congress. The event will be held at the Bali International Convention Centre in Nusa Dua from

April 25th to 30th, with delegates and experts from across the globe travelling to the island to exchange ideas and experiences. According to the Indonesian Geothermal Association (INAGA), nations such as China, Germany, Italy and the US will be represented at the event, with delegates from the World Bank and the European Union also in attendance. As well as panel discussions and seminars, the congress will feature an exhibition showcasing the latest in geothermal technology. To coincide with the event, INAGA is also hosting a special golf tournament on April 25th for delegates using accommodation in Bali. A program of field trips to sites of geothermal interest in Indonesia has also been arranged as part of the conference schedule.

May 2010 Geothermal Lease Sale, BLM, Reno, NV (May 11)

The next geothermal lease sale is tentatively scheduled for May 11, 2010 at:

Bureau of Land Management

Nevada State Office

P.O. Box 12000 (1340 Financial Blvd.)

Reno, Nevada 89520-0006

See <http://www.blm.gov/nv/stJen.html> and

http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html.

Project Peer Review, DOE Geothermal Technologies Program (May 18–20)

The Geothermal Technologies Program (GTP) will be holding a project peer review May 18-20, 2010, in Crystal City, Virginia. Key investigators involved in geothermal research projects will make short presentations and discuss their research with a panel of peer reviewers. Recently completed, in progress, and new projects will all be represented. On May 18, prior to the review, DOE managers will discuss GTP's challenges, opportunities, and plans for the future in a half-day meeting.

The 2010 GTP Peer Review will be held at:

Hyatt Regency Crystal City

2799 Jefferson Davis Highway

Arlington, VA 22202

From http://www1.eere.energy.gov/geothermal/news_detail.html?news_id=15832.

Clean Energy and Business Development Mission, U.S. Department of Commerce, May 23–25 (Indonesia)

Secretary of Commerce Gary Locke will lead a business development trade mission to Indonesia in May focused on clean energy deployment. Interested companies and trade associations can apply at http://www.trade.gov/cleanenergymission/tg_main_002483.asp. The mission should be a great opportunity for the U.S. geothermal industry to further deploy technologies in Indonesia. Contact Ryan Mulholland at Ryan.Mulholland@trade.gov or (202) 482-4693 or email CleanEnergyMission@doc.gov.

13th Annual Congressional Renewable Energy + Efficiency EXPO + Forum (May 27)

Sustainable Energy Coalition

Cannon House Office Building — Caucus Room

Thursday, May 27, 2009

Geothermal Energy Weekly

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

209 Pennsylvania Avenue SE, Washington, D.C. 20003
Phone 202-454-5261 Fax 202-454-5265
research@geo-energy.org

