

Geothermal Energy Weekly

A publication of the
Geothermal Energy Association

~formerly the GEA Weekly Update~

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March 5, 2010

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



National News

Schumer Proposal to Halt ARRA Funds for Renewable Projects Would Cause Immediate Job Loss in U.S., DOE Officials Tell Congress

The action by Sen. Charles E. Schumer (N.Y.) and three other Democrats on Wednesday to call for a halt in distribution of federal stimulus program money going toward wind farms and other clean-energy projects has stirred up renewable industry groups who have raised alarms that the proposal could bring many renewable power projects in the US to a halt. The Senators are questioning, on the basis of a controversial investigative report, where the stimulus money is going and whether it is benefitting Americans.

The issue was aired this week at a Senate oversight hearing on the stimulus bill. Matt Rogers, the Department of Energy's Recovery Act coordinator, testified before the Senate Energy and Natural Resources Committee Thursday morning concerning the implementation of the Department's Recovery Act programs. Rogers clarified that stimulus funds are benefitting America despite reports he described as "more than a little misleading." He told the Senate Committee that the program works and has averted a 50% drop in employment in the wind sector.

Rogers said that \$10 billion in foreign investment has come to the United States as a result of the 48C manufacturing tax credit and the sec. 1603 tax-grant program, and argued that the U.S. should continue to encourage foreign investment through these programs. He pointed out that a halt to the sec. 1603 program would force companies like Gamesa, a Spanish wind developer that invested in a factory in Pennsylvania, to lay off the workers they just hired.

The American Wind Energy Association told press an estimated 50,000 jobs would be lost if the grants were halted. Energy Department spokeswoman Stephanie Mueller said a moratorium "would cause immediate layoffs of American workers," including in the home states of the senators proposing the halt. Karl Gawell, GEA Executive Director, remarked on geothermal project funding through the stimulus. "New geothermal power projects are going forward in several western states and the stimulus provisions in question demonstrate effectiveness at encouraging economic growth and creating new jobs despite one of the worst recessions in history."

"The proposal by several Senators to change mid-stream, or should I say mid-recession, the stimulus provisions for geothermal and other renewable power projects would have a damaging and disruptive effect on the growth of the U.S. geothermal power industry and on all renewable energy growth," Gawell added. "Congress needs to extend this provision until the economy fully recovers, not add poison pill conditions to it that will undercut continued growth."

Labor specialists say the economy must generate over 100,000 fresh jobs a months to match the rate of entrants to the work force. Last month the American economy lost fewer jobs than expected and the unemployment rate remained steady at 9.7%, the Labor Department reported. Steady economic results give hope to a coming recovery, much of which has been made possible by the jobs added by the renewable energy industry.

See <http://energy.senate.gov/public/index.cfm?FuseAction=Hearings.ByMonth>, <http://www.washingtonpost.com/wp-dyn/content/article/2010/03/03/AR2010030302764.html>, <http://www.nytimes.com/2010/03/06/business/economy/06jobs.html?hp=&adxnnl=1&adxnnlx=1267804849-GCxGXpHjn8AGELVVHQVVaQ>, and <http://schumer.senate.gov/record.cfm?id=322732&>.

Geothermal Energy Holds Strong Presence at Renewable Energy World Conference; Applications with Oil and Gas Coproduction Gain Attention

Renewable Energy World Conference & Expo North America, held in Austin, TX, February 23–26, featured over 30 educational conference sessions in 8 technical tracks covering Biomass, Policy Market & Finance, Solar, Utility Integration, Wind Power, Geothermal, and Hydro.

The Geothermal Energy Association was a partner and supporting association for the events and participated on subcommittee conference planning, a networking breakfast, and the Geothermal Track’s three conference sessions: Technology and Applications; Resource Development and Investment; and Markets, Trends and Policies. Twelve GEA member companies exhibited in the Expo Hall, and many other companies representing aspects of the geothermal industry were



Atlas Copco, shown here in the Expo Hall, was well represented in the Geothermal Technologies and Applications paper session.

present. GEA also maintained a booth space with educational materials and facilitated networking. Maria Richard, Southern Methodist University, was also on staff at the booth and had many of SMU’s geothermal lab materials on hand.



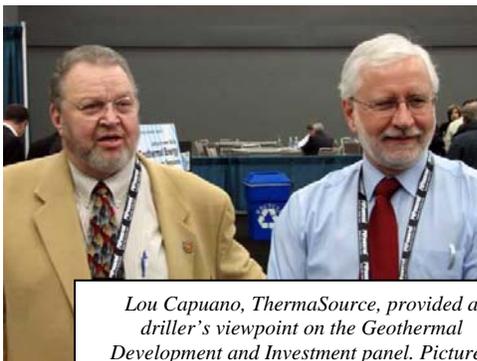
Maria Richard, SMU, answers questions at the GEA booth.

The Geothermal Technologies and Applications paper session showed the work of projects in the field. “Geothermal in the Oilfield: Using Hot Produced Water for Power Generation” was presented by Thomas C. Anderson, coauthored with him by Lyle A. Johnson and Everett D. Walker, all from the Rocky Mountain Oilfield Testing Center (DOE) in Wyoming. “Energy Recovery from Low Temperature Heat Sources, Challenges and Opportunities” was presented by Reza Agahi from Atlas Copco Mafi-Trench

and Dr. Claudio Spadacini, EXERGY S.r.l., and was coauthored with them by Behrooz Ershaghi, Atlas Copco Mafi-Trench. “Selection, Installation and Operation of Multiple 15 MW Turboexpanders in a Binary Cycle Geothermal Power Plant” was presented by Joseph Lillard, Atlas Copco Mafi-Trench Co.; and coauthored with him by and Hasan Adam, Atlas Copco Mafi-Trench Co. and Brad Platt, Enel North America Inc. “A Feast of Cycles – Different Plants for Different Resources” was presented by Kevin Wallace and coauthored with him by Marshall Ralph, both from POWER Engineers Inc., and William Harvey, Reykjavik University.



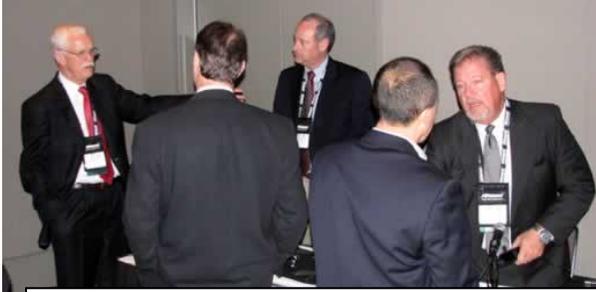
Tom Anderson takes the audience through the inner workings of the Rocky Mountain Oilfield Testing Center in Wyoming.



Lou Capuano, ThermaSource, provided a driller’s viewpoint on the Geothermal Development and Investment panel. Pictured with Karl Gawell, GEA.

The Geothermal Resource Development and Investment panel featured representatives from a variety of geothermal development capacities. Drilling, equipment, and installation were among the topics covered. Lou Capuano, ThermaSource showcased the different types of holes drilled in his presentation, “Getting Started: Exploration and Development – Methodology, Risks, Costs and Opportunities.” Halley Dickey, TAS discussed efficiency regarding “How to Finance Geothermal Energy.” Dennis Gilles, Calpine spoke on The Geysers geothermal field in California, which this year celebrates its 50th year, in “Expansion of the World’s

Largest Geothermal Facility.” Dr. Frank Monastero, Magma Energy provided insight into “Resource Challenges and Opportunities,” and Gene Larson, SNC-Lavalin took the audience through “Models for Power Plant Finance.”



Dr. Frank Monastero (Magma Energy), Dennis Gilles (Calpine), and Halley Dickey engage audience questions following the Geothermal Development and Investment panel discussion.

The Geothermal Markets, Trends and Policies panel together portrayed an overview of the industry with regard to political and legal issues and needs, the variety of geothermal companies and projects currently being pursued, and the outlook for future development. Karl Gawell, Geothermal Energy Association began with “Geothermal Power Industry Today and Tomorrow, an Overview and Key Issues.” With six new projects on line in 2009, and 144 new projects under development in 14 states, the industry

is on an upward trajectory. George Alcorn Jr., Universal GeoPower represented the emerging application of oil and gas coproduction in his presentation, “Geothermal Energy Utilization Associated with Oil and Gas Development,” showing 4,000 plus Texas wells with high geothermal potential. Dan Fleischmann, Ormat, represented the steady work of traditional geothermal markets in “Addressing Critical Issues Affecting the Development Process for Geothermal Projects.” John A. McKinsey, Stoel Rives spoke to “State and Federal Renewable Energy Incentive Trends and Their Implications for Geothermal,” and Thomas King, U.S. Renewables Group, headed up the panel takeaways and a lively panel/audience discussion revealing the dynamic interest of the geothermal session attendees.



Tom King, US Renewables, on the Geothermal Markets, Trends, and Policies panel.

The real show-stealer for geothermal for this Texas-based conference was oil and gas coproduction, a relatively new application of geothermal energy with healthy potential across the Gulf states. GEA prepared a document on “Texas Geothermal Industry Potential, Policies & Development” for the conference that states: “Texas’ geothermal industry is growing. Recent Department of Energy (DOE) funding provided to 8 different private companies, universities, and municipalities will aid geothermal research and development in Texas. Texas geothermal resources estimates amount to 10,000 MW and the state is on its way to building a robust and environmentally and economically beneficial geothermal industry.”



Dan Fleischmann, Ormat, and George Alcorn, Universal GeoPower, respond to audience questions.



Karl Gawell, GEA, and John McKinsey, Stoel Rives, join the discussion on Geothermal Markets, Trends, and Policies.

“The projects in Texas, like dozens of others across the nation, are bringing geothermal power to regions that have vast and underutilized geothermal resources,” said Karl Gawell, Executive Director, GEA. “Texas is a particularly fertile market for geothermal energy due to the extensive development of oil and gas resources. We can tap Texas’ unparalleled energy-industry knowledge and experience, and, in many instances, use abandoned or in-production wells to generate clean, renewable power. This sort of smart reuse and rethinking is going to drive new investment and new jobs into Texas.”

House Subcommittee on Energy and Mineral Resources Hold Legislative Hearing on the Geothermal Production and Expansion Act, HR 3709

On Wednesday February 24, 2010 The House Subcommittee on Energy and Mineral Resources held a hearing on The Geothermal Production Expansion Act (HR 3709). The Honorable Jay Inslee, Representative of the State of Washington, Marcilynn Burke, Deputy Director of the Bureau of Land Management (BLM), Doug Glaspey of the Geothermal Energy Association (GEA) Board of Directors, and Walter Snyder of Boise State University's (BSU) Department of Geosciences all provided testimonies, as witnesses, during the hearing.

According to Representative Inslee, who leads HR 3709, the Act "is a targeted approach to ensure that valid geothermal discoveries are developed, many of which are adjacent to, or on public lands." The intended purpose of HR 3709 is to address issues surrounding competitive bidding on Bureau of Land Management (BLM) lease sales of public lands. In the current leasing system geothermal developers who pay significant up front costs associated with geothermal exploration are vulnerable to speculators who can bid up the costs of federal leases adjacent to a valid geothermal resource discovery. Such speculation can result in significant delaying, or the complete halting, of the development of geothermal resources.

In order to address speculative issues associated with the competitive leasing process, HR 3709 seeks to add a fourth category that would exempt developers from competitive bidding. Under HR 3709, a qualified lessee would be limited to one non-competitive lease per discovery. These non-competitive leases would amount to no more than 640 acres or 1 square mile. HR 3709 also provides for a market based fee to be set for the land by the Department of the Interior in order to ensure the adequate compensation to the federal government for the non-competitive leases.

The witnesses providing testimony at the hearing supported Representative Inslee's call for adjustment to the current competitive leasing process. Walter Snyder of BSU's Department of Geosciences stated that "As our geoscientific and engineering knowledge grows about the unique configuration of each geothermal resource...we may discover the need to follow that resource into adjacent lands. HR 3709 facilitates this expansion and acknowledges the need to do so without undo risk to investments that have been expended on the initial leases." Doug Glaspey, representing the GEA, asserted that HR 3709 would "accelerate the development of our geothermal resources, create new jobs, and provide additional revenue for the United States Treasury." *For more information on the House Subcommittee on Energy and Mineral Resources hearing on the Geothermal Production and Expansion Act, HR 3709, please contact Dan Jennejohn at danj@geo-energy.org*

BLM Utah Geothermal Leases Four Parcels/10,592 Acres

A Bureau of Land Management Utah geothermal lease sale on February 23 sold four parcels (10,592.740 acres) out of 10 offered (36,604.350 acres). Parcel 105 received the highest bid per acre at \$2 per acre. Parcel 104 drew the highest bid per parcel at \$7,950. Agua Caliente, LLC of Denver, Colorado, placed both of these bids. Total receipts for the lease sale was \$42,956.

Registered bidders at the sale were Standard Steam Trust of Denver Co, Vulcan Power of Bend OR, Ormat Nevada of Reno NV; Intermountain Renewable of Provo UT; G and G Excavation of Fillmore UT; and Agua Caliente of Denver CO. Winning bids were made by Intermountain Renewable Power, Ormat Nevada, and Agua Caliente.

See http://www.blm.gov/ut/st/en/prog/energy/geothermal0/february_2010_geothermal.html and http://www.blm.gov/id/st/en/prog/energy/geothermal/geothermal_lease_sale.html.

National Geothermal Data System in Development

The National Geothermal Data System (NGDS) is a DOE-funded distributed network of databases that collectively will build a system for acquisition, management and maintenance of geothermal and related data. Access to these distributed data will be provided through a desktop application (Geothermal Desktop) as well as via the web sites of member databases. Users of the system will include federal and state agencies, researchers, decision makers, the public, educational institutions, and the geothermal industry and financing institutions.

The NGDS is being designed by using and adapting existing technology as well as emerging informatics standards and protocols. Ultimately, the NGDS will be able to handle the full range of geoscience and engineering data pertinent to geothermal resources as well as incorporate data from the full suite of geothermal resource types. It will be able to handle data on geothermal site attributes, power plants, environmental factors, policy and procedure data, and institutional barriers (e.g. transmission infrastructure access, risk mitigation). It will provide resource clarification and financial risk assessment tools to help encourage development of more geothermal resources by industry. It will be an easy to use system that meets the needs of the professional and the public for information on geothermal resources.

The first batch of federal funding to the NGDS process became available in September 2009 and since then the major participants have moved forward with the early stages of constructing and implementing the database. As the NGDS is being constructed to be inclusive of previously existing data, participants with significant data systems have begun reviewing and prepping their data for inclusion in the NGDS. Also, EGI at the University of Utah is heading the task of performing a geothermal economic impact analysis and is developing a geothermal economic calculator (GEC) tool to be implemented in the NGDS. EGI, along with help from GEA, is planning on holding an NGDS GEC tool workshop in the Washington D.C. area in June 2010. The purpose of the workshop is to increase the inclusion of federal agencies in the process of constructing the GEC tool for the NGDS.

The Director of the NGDS, Walter Snyder of Boise State University, and the participants are working to construct an NGDS beta system that should be made available in the early summer of 2010. The purpose of the beta system would be to give industry and stakeholders an idea of what a finished NGDS product may look like and to seek input on how to further improve the NGDS so that it can achieve its intended purposes. BSU and the NGDS participants are very interested to obtain feedback regarding the forthcoming beta system and would like to increase dialogue with the geothermal industry regarding the total NGDS product generally.

For more information regarding the NGDS or to provide input to the NGDS construction process please contact Director Walter Snyder at wsnyder@boisestate.edu, Associate Director Phillip J. Bandy at phillipbandy@boisestate.edu, or Dan Jennejohn at danj@geo-energy.org.

Interior Expands Common-Sense Efforts to Conserve Sage-Grouse Habitat in the West

Western Bird Found 'Warranted but Precluded' from Endangered Species Act Protection

Press Release, March 5, Washington DC – The Department of the Interior will expand efforts with state, local and tribal partners to map lands that are vital to the survival of the greater sage-grouse, a ground-dwelling bird that inhabits much of the West, while guiding and managing new conventional and renewable energy projects to reduce impacts on the species, Secretary of the Interior Ken Salazar announced today.

Salazar made the announcement in conjunction with a finding by the U.S. Fish and Wildlife Service that, based on accumulated scientific data and new peer-reviewed information and analysis, the greater sage-grouse warrants the protection of the Endangered Species Act but that listing the species at this time is precluded by the need to address higher priority species first. The greater sage-grouse will be placed on the candidate list for future action, meaning the species would not receive statutory protection under the ESA and states would continue to be responsible for managing the bird.

"The sage-grouse's decline reflects the extent to which open land in the West has been developed in the last century," said Salazar. "This development has provided important benefits, but we must find common-sense ways of protecting, restoring, and reconnecting the Western lands that are most important to the species' survival while responsibly developing much-needed energy resources. Voluntary conservation agreements, federal financial and technical assistance and other partnership incentives can play a key role in this effort."

For more, see http://www.doi.gov/news/doinews/2010_03_05_news.cfm.

See also <http://www.nytimes.com/2010/03/06/science/earth/06grouse.html> and http://www.blm.gov/wo/st/en/info/newsroom/sage_grouse_conservation.html.



Company News

Send your company's updates to: research@geo-energy.org

Nevada Geothermal Power: Progress Reported on Blue Mountain Resource, Faulkner 1 Debt Financing

Press Release, March 4, Vancouver BC — Nevada Geothermal Power Inc. (NGP) (TSX.V: NGP, OTCBB: NGLPF) announced today that interim power production from the Faulkner 1 geothermal plant has been increased from 13 MW (net) to 26 MW (net) with permanent cables installed to Turbine Generator Units One and Three. Cable repairs are expected to be fully completed to Unit Two and other electrical equipment on or before March 10, 2010 allowing the plant to be fully operational.

Newly drilled and tested, deep injection wells, 55-15 and 58-11, will allow production levels to be increased to between 36-40 MW (net) shortly after the Faulkner 1 plant is returned to full service.

New production Well 91-15, drilled to 8359 feet, is currently undergoing flow tests. Production pipeline and electrical service connections will take approximately 2 ½ months to complete. Thus plant output is expected to be significantly greater than 40 MW (net) by June 30, 2010.

Additional development drilling is continuing to test a target area southwest of the current production field.

John Hancock and the US Department of Energy (DOE) are continuing with their due diligence process to support a 20-year term senior debt financing and a related DOE Loan Guarantee. The results from the three new completed wells (55-15, 58-15 and 91-15) are to be incorporated into a resource update report by GeothermEx, Inc. which is a necessary component of the due diligence review. Thus, the expected date to complete the permanent financing is now the end of March, 2010.

Funding for all of the work described above is in hand and the program is within budget.

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

Nevada Geothermal Power: Update Provided on Crump Geyser and Pumpernickel Valley Geothermal Projects

Press Release, February 24, Vancouver BC — Nevada Geothermal Power Inc. (NGP) (TSX.V: NGP, OTCBB: NGLPF) today provided an update on its geothermal power projects -- Crump Geyser and Pumpernickel Valley. The Crump Geyser and Pumpernickel Valley Geothermal Projects are ready for development drilling in 2010. NGP plans to maintain a schedule such that new power plants can be constructed and placed in service by the end of 2013 or within the time required to qualify for generous federal tax grants available under the American Recovery and Reinvestment Act (ARRA).

For more, see <http://www.nevadageothermal.com/s/News.asp>.

Ormat Technologies: Results Announced for Record 2009 Year End, 4th Quarter Results

Press Release, February 24, Reno NV – Ormat Technologies, Inc. (NYSE: ORA) today announced results for the fourth quarter and full year ended December 31, 2009. Highlights of the Company performance include.

- Revenues increased 20.4% for the year to \$415.2 million and remained consistent with the fourth quarter of 2008.
- Annual net income increased to \$68.6 million and fourth quarter net income increased to \$16.1 million (in each case, after giving effect to the restatement described below).
- Earnings per share (diluted) increased to \$1.51 per share of common stock for the year and to \$0.35 per share of common stock in the quarter (in each case, after giving effect to the restatement described below).
- Total generation increased by 14% to 3.4 million MWh during 2009.
- The Product Segment backlog as of today is approximately \$90 million.

Commenting on the annual results, Dita Bronicki, Chief Executive Officer of Ormat, stated: “Ormat reported record revenues for the year and Product Segment revenue was exceptionally strong during 2009. While we do not expect revenues and corresponding margins in the Product Segment to continue at this level in 2010, the improving global economy combined with funding and regulatory benefits in the United States should contribute to our future revenues in this segment.

We had success in improving the performance of our existing power plants. Generation in our Electricity Segment increased year-over-year by 14% from improved performance of existing power plants and new power plants that came on-line in 2009. Revenue for the segment was stable even when taking into account that the Puna power plant experienced lower availability due to maintenance related issues.

We are in varying stages of exploration and development on land where we have been acquiring rights to use the geothermal resource over the past few years. Results from several sites are encouraging and should yield several commercial projects over the next few years. Closing of the purchase of the Hot Sulphur Springs (“HSS”) project is expected by the end of the first quarter 2010. This acquisition includes a project in an advanced stage of development and is expected to come online in 2012 and sell its output under a long-term PPA that we recently signed with NV Energy.”

For more, see <http://www.ormat.com/news.php?did=137>.



Renewable Energy and Climate Change

Senate Democrats Question EPA GHG Regulations; EPA Responds with Timetable

On February 19, eight Democratic Senators led by Sen. Jay Rockefeller (D-WV) wrote to Environmental Protection Agency Administrator Lisa Jackson requesting more information on the extent and implementation of the EPA’s impending regulations following the agency’s endangerment finding for greenhouse gas emissions. The senators confirmed support for comprehensive climate and energy legislation and a national standard for GHG emissions regulation. They asked for information on timetables of expected implementation, effects on domestic industries, the effect of pending lawsuits, and the effect of a Senate resolution that would overrule EPA’s authority.

The other signatories included Sen. Mark Begich (D-AK), Sen. Robert C. Byrd (D-WV), Sen. Sherrod Brown (D-OH), Sen. Pat Casey (D-PA), Sen. Claire McCaskill (D-MO), Sen. Carl Levin (D-MI), and Sen. Max Baucus (D-MO).

Jackson on February 22 replied that regulations would begin in 2011. In phase-in style, permit requirements would first apply to stationary sources that already apply for other non-GHG permits under the Clean Air Act. Those that do not already apply for CAA permits would be added in the second half of 2011. Smaller sources would not be considered until after 2016.

Regarding Sen. Lisa Murkowski's (R-AK) resolution of disapproval, Jackson noted that if passed it would strip the EPA of its endangerment finding, a critical component to the legal authority to proceed with regulation. Specifically, the action would strip the federal government of the authority to create uniform regulation for standard light duty vehicles. As she said in her letter, In particular, it would undo an historic agreement among states, automakers, the federal government and other stakeholders.

On February 23, Murkowski released the following statement regarding the EPA timeline:

"While the delay in implementation is a small forced step in the right direction, the Clean Air Act continues to be the wrong tool for the job, and EPA's timeline continues to create significant and ongoing uncertainty for a business community," Murkowski said. "Congress is the appropriate body to address climate policy."

Murkowski added, "Until the specter of command-and-control regulations goes away, it will remain a counterproductive threat hanging over the work that must be done to find common ground. The EPA has restated its commitment to regulating greenhouse gases, down to the smallest emitters, regardless of the economic consequences."

"EPA regulation of greenhouse gases will increase consumer energy prices, add greatly to administrative costs for businesses, and create massive new layers of government bureaucracy. Such regulation, even slightly delayed, will endanger job creation, economic growth, and America's competitiveness," Murkowski said.

See <http://www.nytimes.com/2010/02/23/business/energy-environment/23epa.html?adxnnl=1&adxnnlx=1267719720-B3zJdap/FycsPebwqyzb6w>, <http://rockefeller.senate.gov/press/record.cfm?id=322365&>, and <http://yosemite.epa.gov/opa/admpress.nsf/0/19132862f2b332de852576d2007d866c?OpenDocument>.

Senators Discuss Alternatives to Cap-and-Trade

In the overhaul of climate legislation, a change in direction from cap-and-trade is in the works. Graham and Sens. John F. Kerry (D-Mass.) and Joseph I. Lieberman (I-Conn.) seek to apply different carbon controls to three areas - electric utilities, transportation and industry.

"What people need to understand about this bill is this really is a jobs bill, an economic transformation for America, an energy independence bill and a health/pollution-reduction bill that has enormous benefits for the country," Kerry said.

Power plants would have an overall cap on emissions that would become more stringent over time. Motor fuel would have a carbon tax with proceed toward the U.S. transportation sector. Industrial facilities would be exempt from a cap on emissions for several years before it is phased in.

The legislation would also expand domestic oil and gas drilling offshore and would provide federal assistance for constructing nuclear power plants and carbon sequestration and storage projects at coal-fired utilities.

Environmental advocates supported the shift in strategy. "The Senate is understanding this is not a simple problem -- it's multiple problems, and it requires multiple solutions," Carl Pope, executive director of the Sierra Club told press.

Some energy industry lobbyists have proposed variations of more narrow energy legislation. President Obama has continued to push for broad legislation. Senate Majority Leader Harry M. Reid (D-Nev.) told Kerry this week that he and his colleagues need to produce a bill as soon as possible to have any chance of passage in 2010.

See <http://www.washingtonpost.com/wp-dyn/content/article/2010/02/26/AR2010022606084.html?hpid=topnews>, <http://www.businessweek.com/news/2010-03-04-dead-cap-and-trade-bill-yields-to-alternative-nrg-chief-says.html>, and <http://www.reuters.com/article/idUSTRE61Q2QU20100227>.

UN will Host Additional Climate Talks in April

The United Nations will hold formal climate change negotiations in Bonn, Germany, April 9-11 and May 31 June 11. These will serve as preliminary steps leading up to the talks in Cancun, Mexico this November and December and are intended to resolve remaining differences between countries regarding a more comprehensive and binding agreement than the Copenhagen Accord adopted last December. "The negotiations are picking up speed again after Copenhagen," Danish Climate and Energy Minister Lykke Friis, who presides over the U.N. negotiations, told press.

Following the Copenhagen meetings, 100 countries have submitted emission cut proposals. UNFCCC Chief Yvo do Boer said this reflected commitment by governments "to move negotiations forward toward success in Cancun."

See <http://www.washingtonpost.com/wp-dyn/content/article/2010/02/23/AR2010022301443.html> and <http://uk.reuters.com/article/idUKTRE61L3XW20100222?pageNumber=2&virtualBrandChannel=11700>.



State News

California: DWP Customer Surcharge to Fund Renewable Energy

LA Mayor Antonio Villaraigosa is working on a plan that would help fund the city's Department of Water and Power toward using more renewable energy, including geothermal energy, via a monthly "carbon surcharge" of about \$2.50 for DWP customers, according to nbclosangeles.com. According to a voter survey commissioned by the Mayor's Committee for Government Excellence and Accountability, 64% of those responding supported the surcharge, which would support more wind, solar, and geothermal energy sources. The City Council is expected to vote on the DWP surcharge in the coming weeks.

See <http://www.nbclosangeles.com/news/green/LA-Mayor-Seeks-Green-to-Go-Green-85844367.html>.

Colorado: BLM Seeking Comments on Geothermal Leases Near Gunnison

The U.S. Bureau of Land Management is gathering public comment on two areas proposed for geothermal leasing in southeastern Gunnison County, according to gjsentinel.com. "We want to hear from the public first before we go forward with any kind of lease," BLM spokeswoman Erin Curtis told press. She added that conservation measures may need to be taken in the areas, which total about 9,000 acres and are home to the Gunnison sage grouse. The acreage is mostly public land and is near Tomichi Dome and the Wuanita Hot Springs. The BLM did not release the names of those who nominated the parcels. A public meeting on the proposals is scheduled March 11, 5 to 8 p.m. at Western State College.

See http://www.gjsentinel.com/news/articles/blm_considers_geothermal_lease/.



International News

Australia: New South Wales Says Renewable Resources Insufficient Despite Findings

An article on cleantecnica.com points out flaws in the claim by two New South Wales power companies that renewable energy potential in the area is insufficient. The two companies, Delta Electricity and Macquarie Generation, are planning two new 1000-MW fossil fuel power plants, a setback for the mandatory renewable energy standard of 20% by 2020 that the Australian government currently backs.

Regarding geothermal energy, New South Wales has some of the largest reserves on the continent, according to the article. Exploratory drilling has revealed temperatures of 900°C, above the average for Australia.

See <http://cleantechnica.com/2010/03/02/new-south-wales-developers-ignore-renewable-energy-potential-plan-2gw-fossil-fuel-power-plants/>.

Australia: Panax Geothermal Well to Hit Steam in Coming Weeks

Panax Geothermal's drilling rig at its Salamander-1 geothermal well near Penola is expected to hit steam in the coming weeks, according to smh.com.au. "Panax is now undoubtedly at the forefront of the geothermal market in Australia and is the closest to achieving commercialization of base load geothermal energy," Panax Geothermal managing director Bertus de Graaf told press. The well is located in close proximity to the National Electricity Market Management Company grid (NEMMCO), and a demonstration power plant is planned for operations by 2011.

See <http://www.smh.com.au/business/full-steam-ahead-as-panax-well-approaches-fruit-20100305-pozq.html>.

Chile and Nicaragua: Enel Latin America Geothermal Explorations Underway

The government of Nicaragua has granted permission to Enel Latin America, a subsidiary of Enel, Italy, along with partner LaGeo to proceed with geothermal exploration activities in Managua-Chiltepe and El Hoyo Montegalan.

In Chile, the National Petroleum Corporation, Empresa Nacional de Petroleo (ENAP) has signed an agreement with Enel for exploration, resource development and utilization to install a geothermal power plant.

See <http://www.azocleantech.com/Details.asp?newsID=8961>.

Indonesia: Origin, Tata Consider Geothermal Power Project

Energy Ltd., the Australian electricity and gas retailer, and India's Tata Power Co. are considering plans to bid on a geothermal power project in Indonesia, according to businessweek.com. Origin, with Tata, "has registered its interest in bidding for geothermal energy concessions in Indonesia," the company told press. "This is consistent with Origin's strategy of pursuing exploration opportunities near growing markets."

See <http://www.businessweek.com/news/2010-03-05/origin-tata-may-develop-geothermal-power-project-in-indonesia.html>.

Mexico: Pan American Lithium CEO Discusses Geothermal Brine Project

Andrew Brodkey, Chief Executive Officer and President of Pan American Lithium Corp. was featured in The Wall Street Transcript discussing the company's lithium mining projects, particularly nine salars located in Chile's Atacama Region III. Brodkey also details the company's geothermal brine project in Mexico. The brines are produced from deep geothermal wells already drilled by the Cierro Prieto power plant in Baja California.

"Our Mexican partners who own a private company called Escondidas entered into a joint venture with CPI Internacional, the owners of the brine concessions, to commercialize the geothermal brines," Brodkey said in the transcript. "Pan American plans to purchase a 76% or controlling interest in Escondidas, giving us an indirect 25% of the project."

See http://www.marketwatch.com/story/pan-american-lithium-ceo-featured-in-wall-street-transcript-interview-2010-03-05?reflink=MW_news_stmp.

Philippines: Geothermal Plant Unaffected by Dry Spell; Cotabato Refuses Forced Brownouts

Cotabato Electric Cooperative (Cotelco) passed a resolution directing substations to remain on despite an order from the National Grid Corp. of the Philippines (NGCP) for 12-hour daily brownouts, according to newsinfo.inquirer.net. The NGCP had implemented a load curtailment scheme in mid-February when the dry spell decreased the power production capability of the Mindanao hydropower plants. The Mt. Apo Geothermal power plant, on the other hand, was not affected by the dry spell. The Cotelco board of directors took the view that North Cotabato should be spared from the forced power outages.

See <http://newsinfo.inquirer.net/breakingnews/regions/view/20100302-256289/North-Cotabato-refuses-to-shed-power-load>.



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



Notices

New This Week

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.

Application Deadline Extended for Commerce Clean Energy Mission to China and Indonesia (March 12)

The application deadline for participating in the Secretary of Commerce led clean energy mission to Indonesia has been extended to Friday, March 12, 2010 due to the recent weather delays in Washington. Application requests can be made at:

<http://www.trade.gov/cleanenergymission/forms/tmform.asp>.

From Commerce: U.S. Commerce Secretary Gary Locke will lead President Obama's first cabinet-level trade mission to China and Indonesia. These countries' focus on renewable energy, energy efficiency, and improved electricity infrastructure creates tremendous opportunities for U.S. companies. This business development mission will promote exports of leading U.S. green technologies to these potentially lucrative markets.

Dates: May 16–21, 2010 (China); May 23–25, 2010 (Indonesia)

Companies may apply to participate in either or both missions.

Sectors: Clean Energy Industries

Deadline: March 12, 2010

Cost: See Web site for details

Questions? CleanEnergyMission@doc.gov or (202) 482-1360

www.trade.gov/cleanenergymission

Notices

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

Added This Week

Project Manager

Job Title: 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

Employment Opportunities

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

Added This Week

Renewable Energy Credits, Department of Labor (March 9)

The U.S. Department of Labor seeks Renewable Energy Credits to offset 12,460 MWh/year for various Job Corps Centers. Responses due 3/9/10. For more info, contact Eileen Garnett at garnett.eileen@dol.gov or go to: https://www.fbo.gov/?s=opportunity&mode=form&id=ef3b1aaad5b687979df9560e7c0633b0&tab=core&_cview=0. Refer to Sol# DOL110RP20895. (FBO 2/21/10)

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)

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)

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)

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/>.

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)

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)

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)

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)



Events

Happening This Week

Canadian Geothermal Code Investment Seminar and Reception

St. Andrews Club - Toronto, Ontario
March 3, 2010 - 12:30 to 7:00 PM

From CanGEA: CanGEA has developed the Canadian Geothermal Code for Public Reporting to promote an industry standard for resource disclosure in geothermal energy. To further assist industry stakeholders with the full integration and comprehension of the code, CanGEA is hosting a Canadian Geothermal Code Investment Seminar and Reception in Toronto on March 3, 2010.

The expert-led presentations will detail the salient technical and financial implications of code, offering attendees a clear perspective of how the code will affect businesses in the geothermal community. This seminar is a unique opportunity to sharpen your understanding of the geothermal value chain, and identify the genuine winners in the marketplace. For all geothermal developers and investors, this is an event you will not want to miss! For more, see http://www.cangea.ca/toronto_code_seminar.

Added This Week

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.

GEA Events

***DATE CHANGE: 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.

Registration opening soon. 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.

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.

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.

This year's 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

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

Imperial Valley Renewable Energy Summit & Expo, March 16–18 (East Imperial Valley, CA)

Geothermal. Wind. Solar. Biomass. 40,000 megawatts of opportunity. It's all here! With an abundance of renewable energy potential, the Imperial Valley will be the source of much of California's green energy. The 2010 Imperial Valley Renewable Energy Summit & Expo will feature industry experts covering a range of topics, a business exposition, networking reception and banquet. For more information, please visit www.ivedc.com or call (760)353-8332.

Imperial Valley Renewable Energy Summit & Expo, "Growing California's Green Economy"
March 16–18, 2010, Quechan Casino Resort, East Imperial Valley, CA

Oregon Geothermal Working Group Meeting, March 23 (Portland, OR)

Please save the date for the next Oregon Geothermal Working Group Meeting:

Date: Tuesday, March 23rd

Time: 8:30 AM - 2:30 PM, includes a lunch break on your own from 11:30 AM - 12:30 PM

Location: Portland State Office Building, 800 NE Oregon St, Portland

Agenda Focus: American Recovery and Reinvestment Act (ARRA) Projects in Oregon

More details and an agenda will be published closer to the date. If you would like to register early for the meeting, please e-mail Linda.Ross@state.or.us with your name and contact information.

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

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.

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.

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.

Geothermal Energy Weekly

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

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