



GEO THERMAL ENERGY ASSOCIATION

209 Pennsylvania Avenue SE, Washington, D.C. 20003
Phone: (202) 454-5261 Fax: (202) 454-5265
www.geo-energy.org

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National News

Clean Energy Legislation Passes in House Committee

Press Release—May 21, [Energy and Commerce Committee Passes Comprehensive Clean Energy Legislation Publications](#)

The Energy and Commerce Committee approved H.R. 2454, "The American Clean Energy and Security Act," by a vote of 33 to 25. This legislation is a comprehensive approach to America's energy policy that charts a new course towards a clean energy economy.

"Today the Committee took decisive and historic action to promote America's energy security and to create millions of clean energy jobs that will drive our economic recovery and long-term growth," said Chairman Waxman. "This bill, when enacted into law this year, will break our dependence on foreign oil, make our nation the world leader in clean energy jobs and technology, and cut global warming pollution. I am grateful to my colleagues who supported this legislation and to President Obama for his outstanding leadership on these critical issues."

"With this plan, we will shape a new energy destiny for our country, where we innovate more and pollute less," said Subcommittee Chairman Markey. "Today we have chosen bold action to preserve good paying jobs here in America and preserve our planet. In just eight weeks, Chairman Waxman and I, working with our entire committee, have moved us farther down the path toward energy independence than our country had moved in the past eight years."

The American Clean Energy and Security Act will create millions of new clean energy jobs, save consumers hundreds of billions of dollars in energy costs, enhance America's energy independence, and cut global warming pollution. To meet these goals, the legislation has four titles:

- A clean energy title that promotes renewable sources of energy, carbon capture and sequestration technologies, clean electric vehicles, and the smart grid and electricity transmission.
- An energy efficiency title that increases energy efficiency across all sectors of the economy, including buildings, appliances, transportation, and industry.
- A global warming title that places limits on emissions of heat-trapping pollutants. This legislation would cut global warming pollution by 17% compared to 2005 levels in 2020, by 42% in 2030, and by 83% in 2050. These are science-based targets and within the range agreed to by USCAP.
- A title that protects U.S. consumers and industry and promotes green jobs during the transition to a clean energy economy.

The legislation has received wide support from electric utilities; energy companies; manufacturing, industry, and corporate companies; labor unions; and community and environmental organizations.

A copy of the bill and supporting documents is available.

See http://energycommerce.house.gov/index.php?option=com_content&view=article&id=1630:energy-and-commerce-committee-passes-comprehensive-clean-energy-legislation&catid=122:media-advisories&Itemid=55 and <http://www.politico.com/news/stories/0509/22852.html>.

House Panel Approves DOE Clean Energy Deployment Administration

An amendment to the House Energy and Commerce Committee climate and energy bill that would create a Clean Energy Deployment Administration or clean energy bank within DOE passed 51-6, according to nytimes.com. The provision would also make reforms to the DOE loan guarantee program and aid deployment of nuclear plants and renewable technologies, the article said.

"If you are trying to generate new energy and new sources, you have to allow ... a mechanism to allow these new energy sources to get to market," said Rep. John Dingell (D-Mich.), who offered the amendment with Democrats Jay Inslee of Washington and Bart Gordon of Tennessee. The Clean Energy Deployment Administration would fund breakthrough technologies and would take a portfolio approach to ensure no particular technology receives more than 30% of the funding.

See <http://www.nytimes.com/gwire/2009/05/19/19greenwire-house-panel-approves-clean-energy-bank-10572.html>.

Renewable Energy Industries Ask President to Speed Loan Guarantees

Renewable energy industry associations sent a letter dated May 19 to President Obama urging him to speed the loan guarantee program. The letter shows a concern that a loan guarantee program, which was approved in the stimulus package, has yet to be implemented because of disagreements between the Department of Energy and Office of Management and Budget. Receiving copies of the letter were Vice President Joseph Biden, White House chief of staff Rahm Emanuel, Energy Secretary Steven Chu, director of the Office of Management and Budget Peter Orszag, and several other senior officials.

Dear Mr. President:

We want to thank you for your strong leadership on clean energy issues and to convey again our support for your goal of doubling renewable energy supply over the next three years. We appreciate the stimulus for clean energy development in the American Recovery and Reinvestment Act (ARRA) and look forward to working closely with your Administration to ensure that these programs achieve your energy policy goals.

Our organizations, representing thousands of clean energy technology companies, are writing now to urge the Executive Branch to act promptly to adopt regulations that will allow clean energy projects to participate in two loan guarantee programs administered by the Department of Energy (DOE): the new Section 1705 loan guarantee program for renewable energy projects authorized by ARRA, and the existing Section 1703 loan guarantee program established in 2005 for innovative clean energy technology projects. These loan guarantee programs, properly implemented by workable regulations, will significantly increase access to debt financing for clean energy projects at a time when sources of capital in the private markets have been substantially reduced. With access to these loan guarantees, our member companies will be able to start construction of planned projects that would otherwise need to be delayed or cancelled due to current capital market conditions.

Unfortunately, the regulations necessary to implement these programs effectively have not yet been developed. It is critical that new regulations be developed to implement Section 1705 and to address defects in the existing Section 1703 rules, and we appreciate that DOE is working diligently to develop such regulations. We understand, however, that there are disagreements between DOE and the Office of Management and Budget over these regulations, as evidenced by the fact that DOE's draft revised regulations for the Section 1703 program were submitted to OMB more than two months ago and have not been acted on. Three months have passed since enactment of ARRA, and we have little confidence that ongoing discussions between DOE and the Office of Management and Budget over these regulations will produce a satisfactory result in a timely manner.

We are not seeking additional budgetary funding for these loan guarantee programs. We ask only that funds already authorized be made available expeditiously and under reasonable terms and conditions so as to facilitate the financing of worthy projects, in full compliance with appropriate government oversight, transparency and accountability. Prompt action is particularly necessary in the case of the new Section 1705 program, which is only available to projects that commence construction by September 30, 2011. Changes are also required for the Section 1703 loan guarantee program, which is being implemented by DOE under regulations put in place by the previous Administration that have not proven effective in generating the financing that the program was intended to promote. In the almost four years that have passed since enactment of the 2005 Energy Policy Act, no loan guarantees have been finalized under the Section 1703 program.

The attachment to this letter lists the changes needed to the existing Section 1703 loan guarantee regulations and the characteristics necessary for a successful Section 1705 loan guarantee program. These proposals reflect the experience of our member companies over the past three decades in accessing debt and equity capital and using commercially acceptable methods to structure the financing of clean energy projects.

We would not take the unusual step of asking for your help in this matter if we believed that the Executive Branch departments and offices involved would reach agreement, with dispatch, on the rules necessary to implement these loan guarantee programs successfully. Further delay endangers the planned role of the green energy economy in the nation's economic recovery and undermines the effort to meet your Administration's energy policy goals, including the doubling of renewable energy supply in three years.

We would welcome the opportunity to provide additional information about this important matter, or to meet with your staff to discuss these matters further. Thank you for your attention to this critical concern.

*Sincerely,
Denise Bode
CEO
American Wind Energy Association*

*Linda Church Ciocci
Executive Director
National Hydropower Association*

*Karl Gawell
Executive Director
Geothermal Energy Association*

*Marvin S. Fertel
President and Chief Executive Officer
Nuclear Energy Institute*

*Rhone Resch
President and Chief Executive Officer
Solar Energy Industries Association*

*Bob Cleaves
President
Biomass Power Association*

*Jessica Bridges
Executive Director
United States Clean Heat and Power Association*

See <http://greeninc.blogs.nytimes.com/2009/05/20/renewable-industries-ask-obama-to-speed-loan-guarantees/>.

Company News

Nevada Geothermal Power: Blue Mountain Project Updated

Press Release—May 20, [Nevada Geothermal Power Inc. Construction Progress Report for Blue Mountain 'Faulkner 1' Geothermal Power Plant](#)

VANCOUVER, B.C. -- Nevada Geothermal Power Inc. (NGP) today provided an update on the construction and operations activities at its Blue Mountain 'Faulkner 1' 49.5-MW (gross) binary cycle geothermal power plant.

NGP has entered into a Procurement and Construction agreement with Industrial Builders Inc. to perform turnkey construction services for a geothermal fluid gathering and re-injection system (pipeline) connecting to the Power Plant, and production and injection wells.

The agreement includes the procurement of materials and equipment, construction, testing and supervision of testing. Pipeline foundation work has begun and the start of running the pipeline installation will commence later this week.

In addition, NGP is pleased to report the following status updates:

- All six Ormat turbines are installed
- Switchyard at the Blue Mountain power plant is complete
- Transmission power poles are set with power lines being strung and will be completed by the end of May
- Administration building and cooling tower framework is complete
- Cooling tower fans are being installed and side panel installation is nearing completion
- Core employees hired for the operation of the 'Faulkner 1' power plant
- Communication system construction underway

NGP has completed three successful injector wells (58-15, 58A-15 and recently completed 57-15) and is presently drilling deep well 61-22. Thereafter an additional shallow injection well will be drilled. Well field completion is within the critical timeline for plant testing.

To view photos of NGP's Blue Mountain 'Faulkner 1' Construction Update at Blue Mountain as of May 19, 2009, please click on link: <http://www.nevadageothermal.com/s/PhotoGallery.asp>.

Ormat Technologies: Guatemala Project Financing Agreement Signed

Press Release—May 21, [Ormat Technologies Announces \\$42 Million Senior Debt Financing for the Amatitlan Geothermal Power Plant in Guatemala](#)

RENO, Nev. -- Ormat Technologies, Inc. (NYSE: ORA) announced today that on May 18, 2009, its wholly-owned subsidiary, Ortitlan Limitada, signed a Note Purchase Agreement with TCW Global Project

Fund II, Ltd., an energy and infrastructure investment vehicle managed by TCW Energy and Infrastructure Group (part of TCW Asset Management Company), providing for the issuance of up to \$42 million to refinance Ormat's investment in the 20 MW Amatitlan geothermal power plant located in Amatitlan, Guatemala.

The closing of the sale and purchase of the Note under the Note Purchase Agreement and the payment of the Note purchase price proceeds to Ormat Limitada were consummated on May 21, 2009. The Note is scheduled to mature on June 15, 2016.

Ormat initially financed the development and construction of the project, as well as the drilling of wells, from internal funding sources. The power plant currently generates approximately 17MW and is scheduled to reach its design capacity towards the end of the second quarter of 2009, upon the connection of an additional well that was recently drilled.

"We are pleased with the competitive terms of the financing that we have secured for this power plant," commented Dita Bronicki, Chief Executive Officer of Ormat. "Guatemala in general, and the Amatitlan resource in particular, have potential for additional geothermal energy production. The terms of the financing that we have secured are typical non-recourse project finance, but enable us to proceed with the development of phase II expansion of the project in coordination with TCW once we determine that the resource can support it."

See <http://www.ormat.com/news.php?did=137>.

Renewable and Climate Change News

Interest in Geothermal is Strong at Congressional Expo

By Dan Jennejohn, Research Associate, GEA

The Geothermal Energy Association (GEA) participated in the 12th Annual Congressional Renewable Energy & Energy Efficiency EXPO + Forum on Thursday May 14, 2009. Numerous displays from organizations in the renewable energy industry were set up in the caucus room of the Cannon House Office Building and provided an ideal setting for more than 400 representatives from various trade associations, renewable energy companies, utilities, and congressional committees to rub elbows.

Among a number of well done and professional displays the GEA was able to put together an exhibit that was a hit with the public. Most of all, the various video presentations from last weeks Geothermal Project Showcase were displayed on a continuous loop and were a popular feature of GEA's exhibit. Also, they proved to be very useful in explaining aspects of resource development to attendees who wanted to know more about geothermal. The GEA was able to give away many of its industry publications to interested attendees and also received a large amount of requests for its weekly update.

While attendance at this years expo was down from that of last years genuine interest in geothermal was prevalent among expo goers and representatives from GEA were continuously engaging the public on geothermal developments in the U.S. Representatives from the congressional research service, the environmental protection agency, the House Committee on Energy and Commerce, Constellation Energy, and even Ralph Nader spoke with GEA representatives at length. Additionally, Senator Mark Udall of Colorado and Representative Jay Inslee of Washington among other Congressional Representatives spoke regarding the need for the increased development of renewables.

Nader wrote about his visit to the expo in an article. Here is some of what he wrote:

A few days ago, the Sustainable Energy Coalition had its 12th annual Congressional renewable energy and energy efficiency EXPO + Forum at the Cannon House Office Building in the U.S. House of Representatives.

This year's EXPO featured over fifty businesses, trade associations, government agencies and non-profit policy organizations to hear some members of Congress regale them and converse with visitors.

I found the exhibits and their personable exhibitors to be specific, comprehensive and seemingly convinced that renewables are finally, after some failed starts, on an irreversible road to greater market share.

It was not only the advanced hardware and the use of tax credits that fed their optimism. Renewables are branching out in ways that are bringing them nearer to a level playing field with their heavily subsidized and coddled fossil fuel and nuclear competitors. More venture capital, better tax credits, rebates and various state and local proposals exist to facilitate financing for users.

One spreading incentive comes from my home state of Connecticut which offers a special solar energy leasing plan for homeowners. The Nutmeg State claims it is leading the way with the nation's first rate payer supporter residential leasing program for solar energy.

The point of this column is to demand thoughtful discrimination by our policy makers between different kinds of energy. Some are clearly better than others. From the federal government on down to the state and local level, a discriminatory approach is a must if the conversion to renewables and energy conservation from fossils and nuclear is to accelerate.

The old energy lobbies are very stubborn and have their hooks into too many politicians who mouth the ExxonMobil party line.

There are far more jobs in the new energy economy with far more health, efficiency, and security benefits than there are in staying with hydrocarbons and radioactive atoms.

See <http://www.counterpunch.org/nader05182009.html>.

Apollo Alliance Presses for Made-in-U.S. Provisions in Energy Bill

As Congress considers the new Energy Bill, which will be voted on after they return from break, The Apollo Alliance is pressing to make sure new green jobs will go to workers in the U.S. "European markets for solar and wind energy have exploded from niche markets to a mega-industry in the past few years," Phil Angelides, Chairman of The Apollo Alliance said in a letter. "Even though the solar cell was born in America, we supply less than 10% of the global solar component market."

He adds, "Growing these markets could have a huge positive impact on the slumping American job market, but if the Energy Bill doesn't invest big in domestic, clean energy manufacturing, we're just subsidizing green jobs in other countries."

See <http://ga0.org/campaign/energy1/wus8wwg4q7n87k66>.

Bill on Climate Change Offers Hope to Wall Street

From Sustainable Energy Coalition/SUN DAY Campaign:

At the heart of the 900-plus-page climate change bill that the White House and House Democrats have rallied around is a so-called "cap-and-trade" program that seeks to curb emissions such as carbon dioxide by allowing utilities and other emitters to buy and sell emissions credits as needed. It's the trading of those pollution allowances and the creation of financial instruments, or derivatives, to hedge risk in the market that has bankers and traders interested. The Commodity Futures Trading Commission, a federal agency that

regulates commodities and futures markets, estimates that the carbon market eventually could become one of the largest commodity markets in the U.S. The CFTC said the carbon market could reach \$2 trillion five years after it starts. However, Wall Street's interest in the bill makes some in the environmental community nervous that speculators will create a carbon bubble that creates havoc in the market and undermines its ultimate effectiveness in cutting emissions.

See <http://thehill.com/business--lobby/bill-on-climate-change-offers-hope-to-wall-st.-2009-05-20.html>.

Congressional Lawmakers Reject Nuclear in Renewable Power Goal

From Sustainable Energy Coalition/SUN DAY Campaign:

U.S. lawmakers pushing to include greater recognition for existing nuclear power in a national renewable energy standard failed to win new breaks for the industry when a U.S. congressional panel on Wednesday voted down an amendment to a controversial climate change bill. The bill includes a renewable energy mandate that would require utilities to generate 15 percent of electricity from renewable sources such as wind and solar by 2020. Under the legislation sponsored by Representatives Henry Waxman (D-CA) and Edward Markey (D-MA), utilities' renewable mandate would be reduced in proportion to the portion of any electricity sales from new nuclear plants, but not existing nuclear plants. Representative Cliff Stearns (R-FL), who offered the failed amendment, said the measure would have helped states meet the renewable electricity standard with a source that has no carbon emissions.

See <http://planetark.org/wen/52995>.

KfW Now World Leader in Funding Renewables

Passing up the World Bank last year for first place, KfW Entwicklungsbank is now the world leader in funding renewables in developing countries, according to the new REN21 Global Status Report. The group finances wind parks, solar energy, biomass, hydropower plants, and geothermal energy.

KfW committed EUR 240 million in 2008, while the World Bank provided USD 280 million in the same year. Funds come from the German Federal Ministry for Economic Cooperation and Development and KfW's own resources. KfW also acts as a partner to the German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety.

See http://finchannel.com/index.php?option=com_content&task=view&id=37966&Itemid=50.

Analysis Shows Low Public Support for Cap and Trade

A report by the Yale Project on Climate Change and the George Mason Center for Climate Change Communication analyzes public opinion on the regulation of greenhouse gases, according to eeneews.net. The groups surveyed 2,164 adults nationwide. Overall, findings show 11% of those surveyed strongly support cap and trade, 42% somewhat support it, and 47% either slightly or strongly oppose the idea.

Those surveyed were much more supportive of investment in renewable energy, improved fuel efficiency for vehicles, implementation of a renewable electricity standard and even increased offshore drilling, with little support for a cap and trade system.

"Climate change public communication and engagement efforts must start with the fundamental recognition that people are different and have different psychological, cultural, and political reasons for acting -- or not acting -- to reduce greenhouse gas emissions," the report says. "Successfully addressing this challenge will require a diversity of messages, messengers, and methods, each tailored to meet the needs of different target audiences," the report says.

See <http://www.eenews.net/eenewspm/2009/05/20/5/>.

Greenpeace Founder Supports Geothermal, Nuclear

Patrick Moore, co-founder of Greenpeace and now co-chair of the Clean and Safe Energy Coalition, spoke in favor of geothermal energy and nuclear power, according to montgomeryadvertiser.com. Geothermal energy is much more efficient than solar and returns 13 times the power for the same investment, Moore said at a conference organized by the Partnership for Affordable Clean Energy. Moore said environmentalists have hijacked the clean energy debate; that the fixation on solar energy (which he called inefficient) has had a negative effect on exploration of other resources.

See

<http://www.montgomeryadvertiser.com/apps/pbcs.dll/article?AID=/200905210400/NEWS01/905210316>.

State News

Missouri: University Of Central Missouri Announces Geothermal System

The University of Central Missouri has announced it will begin drilling for a new geothermal heating, ventilation, and air conditioning system, according to aer-online.com, and is expected to be completed by the fall semester. The installation will cost about \$36 million and will reduce the university's energy use by 32% in two years.

See http://www.aer-online.com/e107_plugins/content/content.php?content.2509.

Texas: Support Needed Today for SB 541 Impacting Geothermal Activity

In the Texas State legislature, the geothermal industry is impacted by SB 541. Parties can submit comments TODAY, May 22. This piece of legislature seeks to ensure 5,000 MW of additional generating capacity from renewable energy technologies by January 1, 2015, with cumulative installed capacity at 5,880 MW by that same date and 10,000 MW by January 1, 2025. Among its provisions, the bill calls on the commission to establish renewable energy credits trading programs and will adopt a "Made in Texas" incentive. The bill can be seen at: <http://www.legis.state.tx.us/tlodocs/81R/billtext/pdf/SB00541I.pdf>.

HB 4433 is also being reviewed today, Friday. This relates to an exemption from oil and gas severance taxes for oil and gas produced in association with the production of geothermal energy. See <http://www.legis.state.tx.us/tlodocs/81R/billtext/pdf/HB04433I.pdf>.

International News

Australia: Drilling Rig Arrives for Panax Geothermal Penola Project

Press Release—May 18, [Panax Geothermal Drilling Rig Arrives for Penola Project in South Australia](#)

Panax Geothermal Ltd (ASX:PAX) has announced the arrival in Australia of the contract drilling rig that will be used for its first deep production well at the company's Penola Project in South Australia's Otway Basin.

Panax Managing Director Dr Bertus de Graaf said the Company was on schedule to start drilling its Salamander 1 well in September, 2009. "This is expected to lead to the development of a national electricity grid connected demonstration plant by late 2011," he said.

Dr de Graaf said the new 'Lightning' rig owned by U.S.-based Weatherford International Drilling had been unloaded at Port Pirie in South Australia. "Following the completion of another drilling assignment, it will be mobilized to the Limestone Coast area for drilling a 4,000m deep production well, Salamander 1, as part of the Penola Project," he said.

Dr de Graaf said Salamander 1 will be the first well to test a conventional geothermal resource in Australia. "Salamander 1 targets a hot sedimentary aquifer (HSA) in sandstones of the Penola Trough. Unlike other geothermal systems, tests to establish an economic geothermal reservoir at the Penola Project can be carried out from a single well."

An independent pre-feasibility study has shown Panax's Penola Project has the potential to generate cheap clean energy for Australia. "The Penola Project has the scope to be of national significance in the quest to reduce carbon emissions through providing competitively priced, zero emission, base-load power," Dr de Graaf said. "The fact that this project has a 'Measured Geothermal Resource' of 11,000 petajoules (PJs) adds to the considerable scope of the Penola Project."

Dr de Graaf said the Penola Project's close proximity to the National Electricity Market Management Company (NEMMCO) power grid increased its potential. "The Penola Project represents a unique opportunity for the development of a hot sedimentary aquifer geothermal project in Australia and has the potential to power hundreds of thousands of homes," he said.

The Penola Project in GEL223 covers an area of 493 sq km and is part of Panax's larger Limestone Coast Geothermal Project, which covers a total area of 3,127 sq km. Panax's focus is on exploring existing reservoirs containing hot geothermal fluids than hot fractured rock geothermal projects and a much shorter development time.

See <http://www.proactiveinvestors.com.au/companies/news/1471/panax-geothermal-drilling-rig-arrives-for-penola-project-in-south-australia-1471.html>.

Philippines: DENR Designates Geothermal Airshed in Mak-Ban Area

The Department of Environment and Natural Resources has designated a geothermal airshed in the Makiling-Banahaw (Mak-Ban) area to control air pollution, according to businessmirror.com.ph, consistent with Republic Act 8749 or the Philippine Clean Air Act. This brings the number of designated airsheds nationwide to 18, including five geothermal airsheds.

"The designation of an airshed will enable concerned government agencies and local government units to better manage the locale's air quality. Sources of air pollution are easily determined through regular monitoring of air emissions, and that corresponding mitigating measures like new policies and pollution control technologies can be easily identified and implemented," Environment Secretary Lito Atienza told press.

See <http://businessmirror.com.ph/home/regions/10454-denr-makes-mak-ban-new-airshed-site.html>.

Philippines: Legislation to Boost Geothermal Production

The Philippines will sign legislation on Monday encouraging investments in renewable energy, according to reuters.com. The law gives tax breaks to prospective investors in hydropower, solar, geothermal, ocean, and biomass energy, including a seven-year income tax holiday and duty-free import of equipment. The law would boost investments in the nation's geothermal resources, the article said.

This will be good news to "many investors waiting in the wings," Lorenzo Tan, president of conservation group WWF-Philippines told press. "I think this is going to be a very dramatic time because we're going to

see a lot of people announcing very innovative investment in renewable energy, from biomass to hydropower to wind to methane," Tan said.

See <http://in.reuters.com/article/email/idINLL43489020090521>.

Uganda: Geothermal Exploration on the Horizon

An article on Uganda's *New Vision* Web site offers geothermal as a sustainable option for the nation. Uganda has an estimated geothermal energy potential of 450 MW, with potential areas of exploration and development in Katwe, Kabiro, and Buranga. The energy ministry has committed \$45 million toward exploration of geothermal power. With Uganda currently dependent on hydro electricity, the article reflects a concern in Lake Victoria's dropping levels.

See <http://www.newvision.co.ug/D/8/459/681903>.

Notices

Hannon Armstrong Announces Advisory Services for DOE Loan Guarantees

The American Recovery and Reinvestment Act expanded DOE Loan Guarantees and U.S. Treasury Tax Grants, providing renewable energy project developers a path for project funding, according to the Hannon Armstrong Web site. The company has launched an advisory service offering for industry members seeking to apply.

Vice President of Analytics and Structuring Nate Rose told press, "The outcomes vary rather substantially from existing project finance models, and vary between solar, wind, geothermal and biomass projects."

"Given our team's experience with DOE and OPIC loan guarantees, and our appreciation of how challenging this process is, we decided it makes sense to expand our Federal finance offer to include not just the application and its negotiation, but also the monetization of the capital required with this new structure," said Jeffrey Eckel, President and CEO.

See http://www.hannonarmstrong.com/index.php?option=com_content&task=view&id=28.

Palinpinon-Tongonan Philippine Geothermal Plants Up for Bid (May 22)

On May 11, the Power Sector Assets and Liabilities Management Corporation opened bidding on the 192.5-MW Palinpinon and 112.5-MW Tongonan geothermal power plants, according to pia.gov.ph. The two are being sold as a package. Bidders have until May 22 to submit a letter of interest, and the submission deadline is August 12.

The Palinpinon plant consists of two power stations. Palinpinon I was commissioned in 1983, with three 37.5-MW turbines. Palinpinon II consists of three plants commissioned in 1993, 1994, and 1995.

The Tongonan plant consists of three 37.5-MW units commissioned in 1983.

See <http://www.pia.gov.ph/default.asp?m=12&r=&y=&mo=&fi=p090512.htm&no=40>.

FOA for Advanced Research Projects Agency–Energy, DOE (June 2)

This is the first solicitation for the Advanced Research Projects Agency–Energy (ARPA–E), a new organization within the Department of Energy (DOE). It includes \$150 million for geothermal energy.

This solicitation was created specifically to foster research and development (R&D) of transformational energy-related technologies.

The concept paper opening date is May 12 at 8:00 am EST; the closing date is June 2 at 8:00 pm EST.

See Funding Opportunity Announcement Number DE-FOA-0000065. For the link to the full announcement, go to <http://www07.grants.gov/search/search.do?oppId=47045&mode=VIEW>.

Resource Development Opportunity, Rosebud Sioux Tribe, Rosebud, SD

The Native American Tribe near Mission SD has a deposit of geothermal energy under their large Rosebud Reservation in South Dakota. See U.S. News & World Report, November 7, 2007, DOE map of U.S. Geothermal Hotspots, p. 52, reference to deposit p. 50.

Leigh Bryant-Zarse, the architect, engineer, and consultant in Wisconsin who is submitting this solicitation, attended a meeting of the Tribe Council on September 16, 2008. The Tribe presented him with a resolution to approach developers with free exploration rights on their reservation, and agreed to split 1/10 of 1% of the energy profits for a period of 2 years, if found. These parties are looking for help to develop the resource. The reservation exists under a sole ownership, making it easy to deal with.

Contact: Leigh Bryant-Zarse, Architect-Engineer-Consultant, 1812 Mountain Ave., Wauwatosa, WI 53213-2336, phone and fax: 414-259-1812
Rosebud Sioux Tribe: Chief Rodney Bordeaux, PO Box 430, Rosebud, SD 57570, phone 605-747-2381

Employment Opportunities

Director of Development, California Operations, CalEnergy

CalEnergy Operation Corporation is an international leader in the development and production of energy from diversified fuel sources including geothermal, natural gas and hydroelectric. CalEnergy is currently looking for a Director of Development for California-based operations.

This individual will direct, coordinate and exercise functional authority over all activities associated with the development of the new geothermal power plants and other platform development opportunities:

- Administers the project construction contract, manages the use of consultants, and has fiscal responsibility for all costs to build the new plants.
- Directs and oversees the integration of the new plants into the current Imperial Valley operations consistent with the organization's policies and objectives. Qualified candidates will have a bachelor's degree in engineering, business administration, or related field or equivalent work experience.
- Eight years experience in managing power plant development and installation projects or power plant operations including three years supervisory responsibilities.
- Excellent oral and written communication skills, including presentation skills.
- Effective interpersonal skills and leadership abilities.

To apply for this position and view a complete job description please visit www.calenergy.com.

Land Development Manager, Major Geothermal Power Company, California

Operating geothermal power plant in Northern California with ongoing expansion initiatives seeks Development Manager to lead the overall development efforts for the business including coordination of activities on a recently-acquired adjacent geothermal lease (820 acres).

The Development Manager will be asked to assume leadership of the current development activities and to manage the overall effort focused on obtaining necessary permits and approvals to begin construction and drilling activities in search of additional steam resources.

Responsibilities will include:

- Coordinate overall permitting effort amongst key regulatory agencies (CEC, BLM, County, etc.),
- Manage lead CEQA/NEPA contractor and ensure timely and quality work product,
- Manage legal counsel to ensure timely and quality advice and coordination,
- Manage and/or engage additional subcontractors as necessary,
- Coordinate with plant Compliance Manager to ensure compliance with all environmental and safety regulations throughout the development process,
- Coordinate with plant Drilling Supervisor to ensure that the drilling program is developed with the overall development timeline, scope and plan,
- Interface with landowner(s) that hold private surface rights to the geothermal mineral lease,
- Review and authorize development invoices, budgets, capital requests, etc., and
- Oversee the ongoing development effort to ensure safe, environmentally-compliant, and cost-effective results.

Contact:

Mike Erney

Project Director – Alternative Energy

The Carmon Group

(216) 328-9060 EXT 102

michaelerney@carmongroup.com

www.linkedin.com/in/michaelerney

Senior Account Manager for Geothermal Energy

A Fortune 100, multi-billion dollar electronics, engineering and renewable energy company seeks a Senior Account Manager responsible for the sales of geothermal renewable energy. This is a newly created position so there are very few walls and the territory will be wide open for this individual. They are seeking an individual with a minimum of 2 years experience in selling renewable energy, specifically sales of geothermal renewable energy. The candidate basically can live anywhere in the U.S. as long as they are open to travel, by airplane and car.

Our client offers a competitive base salary as well as a lucrative commission structure. Furthermore, they offer full health, dental, and vision benefits (which start day one of employment) as well as a 100% matching 401k plan up to 6% employee contribution, and excellent incentives such as a company car, cell phone, laptop, expenses, and much more.

Contact Information:

Apply to Position AMRE

E-mail resumes to: sherryl@swaffordresources.com

Fax resumes to: 281-858-5852

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 Integración Económica, 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

Project Director, Municipal Clean Energy Project, Alliance to Save Energy

The Alliance to Save Energy is seeking a Project Director to start-up and to lead the Municipal Clean Energy Project (MCEP). The MCEP is a new multi-year, national initiative to encourage investment in, and deployment of, energy efficiency and clean energy programs and policies by publicly owned power utilities in the U.S.

The Project Director will have oversight and responsibility for the entire MCEP program, will report to the Vice President of Programs for the Alliance as well as to the MCEP Steering Committee, and will liaise with key project partners.

The successful candidate must have at least five years of program management experience and three years of experience in one of the following areas: publicly owned utilities, municipalities and/or energy efficiency. The candidate must also demonstrate organizational, writing and communications expertise and have the ability to work with senior level executives to both design and lead multi-faceted programs and initiatives. S/he must have a demonstrated ability to build and lead partnerships and/or coalitions. The candidate will work in a fast-paced environment with highly motivated staff in a rapidly growing, energy

efficiency-focused organization. The position requires a modest amount of travel, mostly within the U.S. Candidates must have at minimum a Bachelors degree, Masters preferred.

Initial funding has been secured from a major foundation for the development of this initiative and the donor has expressed their interest in the future expansion of the program. Additional proposals have already been submitted to other funding sources. The current funding cycle is through 2011.

The position responsibilities include, but are not limited to, the following:

- Manage MCEP logistics, including budgeting, communications reporting, maintenance of the project web site, and supervision of project personnel and contractors;
- Liaise with the MCEP Steering Committee and project partners;
- Compile, field test and produce “best practice” tool kits for use by MCEP participants;
- Coordinate with project partners in the delivery of MCEP workshops and the tracking of workshop outcomes;
- Manage special events, including a project launch and Municipal Clean Energy Summits;
- Integrate the activities of the MCEP with other leading clean energy policy initiatives.

Salary is competitive based upon experience. The Alliance to Save Energy offers a generous benefits package and a comfortable work environment in downtown Washington DC convenient to Metro. Consideration of candidates will begin immediately and continue until the position is filled. The Alliance is an equal opportunity employer.

Applicants should send a cover letter, resume, salary history and references no later than December 1, 2008 by mail to Dianne Streat, Director of Administration, Alliance to Save Energy, 1850 M Street, N.W, Suite 600, Washington, DC 20036, or via email to dstreat@ase.org. No calls please.

Research Associate II, SMU Geothermal Laboratory

Position: The SMU Geothermal Laboratory, Dallas, Texas, has an opening for a Research Associate II for an appointment of 2 years. The research is supported in part by a grant from GOOGLE.org to SMU. The activities associated with the position relate to the temperature field of the U.S. lithosphere. The outcome is the ability to make sound resource related renewable energy decisions. This research will build on the extensive thermal data sets used to produce the 2004 Geothermal Map of North America by collecting new data and modeling the regional thermal structure.

Qualifications: A PhD in geosciences is strongly preferred or an MS in geophysics and 3 years of work experience. Candidates must demonstrate strong analytical/critical thinking skills to identify issues and information requirements, apply appropriate research and analytical procedures, and review data with a strong focus on attention to detail and accuracy.

Apply online at <http://smu.edu/hr/recruit/> search for “geothermal”
Contact: Dr. David Blackwell, blackwel@smu.edu, 214-768-2745

Geothermal Engineering Analyst, National Renewable Energy Laboratory

Geothermal Engineering Analyst—Requisition #114BR or 115BR—Washington, D.C.

Job/Research Summary: This position performs technology, market and economic analysis, with an emphasis on geothermal energy technology, systems, and infrastructure. Work carried out will support R&D and decision-maker support activities within the Geothermal program through the use of analysis methodologies such as economic feasibility, market transformation, risk, portfolio balance, and cost-versus-benefit. Design novel approaches for systems and infrastructure analysis. Deliver quality products that synthesize the inputs of team members, researchers, market players, and other analysts. Innovate new methods, tools, and approaches that enable greater understanding of geothermal systems.

Job Duties: Combines broad, in-depth knowledge of chemical and/or mechanical engineering with an emphasis on process, heat transfer, and fluids engineering with strong economic analysis capabilities. Performs engineering/economic analyses of geothermal systems and electric transmission in cooperation with research community to gather and understand field data. Documents work in detailed technical memos and internal milestone reports; publishes and presents key results in peer-reviewed journals and at regional, national, and international scientific meetings and conferences. Supports the development of annual operating plans and assists with strategic planning efforts. Works with Department of Energy on technology goals and opportunities.

Minimum Qualifications: Bachelor's Degree in science and/or engineering, or equivalent/relevant education/experience. 3 years of relevant R&D experience.

Preferred Qualifications: Multidisciplinary research exposure to both chemical and mechanical engineering systems, especially those related to the development of cost-effective geothermal systems for utility-scale applications. Familiarity with value chain analysis, risk analysis, and dynamic modeling. Experience in the development and evaluation of applied technology aimed at entering the marketplace. Previous industry experience in renewable energy and geothermal technologies, with experience in related analysis. Established base of contacts with individuals and institutions relevant to energy analysis. Experience working with the federal government. Some experience with computer modeling of energy markets.

Pre-employment drug testing required.

Please visit our website for more information and to apply online: www.nrel.gov/employment/
NREL is an equal opportunity employer committed to diversity and a drug-free workplace.

Sales Manager, Ormat Technologies

Ormat Technologies has an immediate opening for a full time Sales Manager located in our Reno, NV. The ideal candidate will 10+ years in related Sales experience in the energy/renewables industry.

Position Title: Manager of Sales, Geothermal Development; Department: Business Development; Location: Corporate Office Reno, NV; Reports to: Director, Geothermal Development; Position Summary: The Manager of Sales, Geothermal Business Development, will be responsible for the sales and marketing of renewable energy products. The selected candidate will help lead the commercialization and sales efforts for Ormat's latest geothermal supply of geothermal plant equipment, electrical power generation projects, as well as the supply of engineering and construction services for 3rd Party power projects.

Essential Functions: Develop detailed sales and marketing strategies to grow sales within the power generation industry; Conduct market segmentation research, identify lead databases and determine sales channels to establish customer opportunities and spearhead direct sales efforts; Manage customer relationship from initial feasibility trials through to field deployment.

Other Responsibilities: Work flexibly within a dynamic, multidisciplinary team.

Education, Experience and Skills Required: Minimum of 10 years experience in a similar position; Bachelor's degree in Marketing or related field or equivalent experience and/or technical qualifications relevant to the geothermal applications, as well as Engineering and Construction; Experience in marketing or application engineering; Experience working directly with customers in a sales organization with strong communication and interpersonal skills.

Physical Requirements: Must be able to travel regularly

To apply for the position please send a resume to Chris@redfishtech.com.

Engineer V, Geothermal Experience Preferred, Northern California Power Agency

Performs engineering tasks relating to plant reliability/ performance efficiency, primary technical resource for CMMS, supervises implementation of system/equipment repairs/upgrades, PM for plant efficiency upgrade/retrofit projects, construction mgr for public works projects, supervises plant chemical lab & environ, health/safety staff. First 4–6 months, position assigned to NCPA HQ office/Roseville, then GEO Plant, Middletown, CA thereafter. During initial period in Roseville, temp housing provided if required.

Requires BA in electrical/mechanical engineering; MA preferred; and min 10 yrs exp plant/production engineering, preferably within geothermal industry; 2 yrs experience plant reliability/ maintenance engineering & 2 yrs mgmt. exp preferred. Requires knowledge/experience in industry codes/standards; CMMS, Root Cause Failure Analysis, Reliability Centered Condition Based/Mntc, CBM equip; steam turbine plant monitoring & power plant electrical sys; writing, analyzing/interpreting scientific/tech info.; making presentations and some travel in CA. Starting salary: \$96 to \$121K plus exc employer benefits inc CalPERS retirement/medical.

Application at www.ncpa.com

Requests for Proposals (RFPs)

RFP for Smart Grid Demonstrations, DOE, American Recovery and Reinvestment Act

The U.S. Department of Energy announces its intent to request proposals for Smart Grid Demonstrations. Through this RFP, DOE seeks regionally unique demonstrations to verify smart grid technology viability, quantify smart grid costs and benefits, and validate new smart grid business models, at a scale that can be readily adapted and replicated around the country. Areas of interest include: Smart Grid Demonstrations, Synchrophasors, and Energy Storage. \$615 million expected to be available, up to 36 awards anticipated. Closing date to be announced with release of RFP. For more info, contact Keith Carrington at keith.carrington@netl.doe.gov or go to:

<http://www07.grants.gov/search/search.do;jsessionid=9x3VJydGP2TfWHPRK9mfnpHqSwpmlTQmDJTzS6XLDp1QJKpb2SM!-1267850137?oppId=46836&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000036. (Grants.gov 4/16/09)

RFP for State Energy Program, DOE

The U.S. Department of Energy requests proposals for the State Energy Program (SEP). This program provides formula grants to State and Territorial energy offices to design and carry out renewable energy and energy efficiency priorities. \$25 million expected to be available, up to 56 awards anticipated. Due dates based on state/territorial program years. For more info, contact Lisa Kuzniar at lkuzni@netl.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46791>. Refer to Sol# DE-FOA-0000073. (Grants.gov 4/14/09)

RFP for Contribution of Cost Share for Transportation Related Recovery Act RFPs, CEC

The California Energy Commission requests proposals for the American Recovery and Reinvestment Act Cost Share: Alternative and Renewable Fuel and Vehicle Technology Program. Through this RFP, the CEC will contribute cost share to applicants who are submitting proposals to the Federal government in response to a transportation-related Recovery Act funding opportunity announcements. All projects must be based in California. Eligible Recovery Act solicitations include, but are not limited to: Transportation

Electrification (Round 1), DOE, DE-FOA-0000028; Energy Efficiency and Renewable Energy Research – Electric Drive Battery and Component Manufacturing Initiative, DOE, DE-FOA-0000026; Clean Cities (Rounds 1 and 2), DOE, DE-PS26-09NT01236-04; and Transit Investments for Greenhouse Gas and Energy Reduction, DOT, FTA-09005-TIGGER-TRI. \$176 million expected to be available, due dates vary by solicitation. For more info, contact Sarah Williams at skawilli@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/transportation.html#PON-08-010>. Refer to PON-08-010.

RFP for Renewables Purchase in Southwest, U.S. Navy

The U.S. Department of the Navy announces its intent to request proposals for the purchase of competitively priced renewable electrical power through power purchase agreements at Naval and Marine Corps installations in the Naval Facilities Engineering Command Southwest AOR. The Navy seeks systems that are constructed, owned, operated, maintained and repaired by the successful offeror(s) on Government property located within the installation boundaries. Up to 5 awards anticipated. The RFP will be issued “within the next month.” For more info, contact Russell Dominy at Russell.dominy@navy.mil or go to:

<https://www.fbo.gov/?s=opportunity&mode=form&id=2d9716078bff363ae320d7e111d4b2d0&tab=core&cvview=1>. Refer to Sol# N6258309R0085. (FBO 4/17/09)

RFP for Technology and National Research Priorities, American Recovery and Reinvestment Act

The National Institute of Standards and Technology requests proposals for the Technology Innovation Recovery Act Measurement Science and Engineering Research Grants Program: Providing the Technology Infrastructure to Address National Priorities. Priority research areas include, but are not limited to: Energy, environment and climate change; manufacturing; and physical infrastructure. \$35 million expected to be available, up to 60 awards anticipated. Responses accepted on a continuous basis. For more info, contact Christopher Hunton at christopher.hunton@nist.gov or go to:

<http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46063>. Refer to Sol# 2009-NIST-ARRA-MSE-RESEARCH-01. (Grants.gov 3/16/09)

RFP for Source Reduction, EPA (May 26)

The U.S. Environmental Protection Agency, with the exception of Region 8, requests proposals for the Source Reduction Assistance Grant Program. SRA supports pollution prevention/source reduction and resource conservation projects that reduce or eliminate pollution at the source. Areas of interest include, but are not limited to: Projects that use source reduction to reduce pounds of hazardous wastes/substances; water conservation, energy conservation; and reduction of greenhouse gases. \$1.170 million expected to be available, up to 30 awards anticipated. Responses due 5/26/09. For more info, including Regional contacts and priorities, go to: <http://www.epa.gov/p2/pubs/grants/srap09.htm>. Refer to Sol# EPA-HQ-OPPT-09-08. (Grants.gov 4/27/09)

RFP for Energy Efficiency and Conservation Block Grants, DOE, American Recovery and Reinvestment Act (May 26 and June 25)

The U.S. Department of Energy request proposals for Energy Efficiency and Conservation Block Grants (EECBG). This program will provide financial assistance to eligible states, cities, counties and Indian Tribes to create and implement strategies to reduce energy use and fossil fuel emissions, and improve efficiency in the building, transportation, and other appropriate sectors. Areas of interest include, are not limited to: Development of efficiency and conservation strategies and programs for buildings and transportation, technical consultant services; building energy audits; energy efficiency retrofits; building codes programs; reduction and capture of methane and greenhouse gases; traffic signals and street lighting; and renewable energy technologies on government buildings. \$3.1 billion expected to be available.

Applications from States due 5/26/09. Applications from Local Governments and Tribes due 6/25/09. For more info, contact Lisa Kuzniar at lkuzni@netl.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46340>. Refer to Sol# DE-FOA-0000013. (Grants.gov 3/26/09)

RFP for Community Economic Development, Department of Health and Human Services (May 28)

The U.S. Department of Health and Human Services requests proposals for Community Economic Development (CED) Projects. CED supports Community Development Corporation efforts to assist community economic development activities designed to address the economic needs of low-income individuals and families through the creation of employment and business opportunities in low-income communities. CED focuses on industries that have viable short and long term job outlooks and present no obvious long term risks. One recommended strategy for sustaining growth is creating jobs in high growth sectors which include, but are not limited to, Recycling, Renewable or Alternative Energy, Transportation or Advanced Manufacturing. \$29.1 million expected to be available, up to 47 awards anticipated.

Responses due 5/28/09. For more info, contact Rafael Elizalde at OCSGRANTS@acf.hhs.gov or go to: <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-OCS-EE-0034.html>. Refer to Sol# HHS-2009-ACF-OCS-EE-0034. (Grants.gov 3/9/08)

RFP for Energy Efficiency and Renewable Energy Training Programs, Appalachia (May 29)

The Appalachian Regional Commission requests proposals for Renewable Energy and Energy Efficiency Training and Certification Programs. Funded projects must focus on training and certification programs, supporting the development of trained employees for jobs in the renewable and energy efficiency fields, as well as providing certified installers to the marketplace. Implementation of energy efficiency education curricula, such as USGBC LEED programs, ASHRAE programming, IECC, or other energy efficiency coursework will also be supported. Projects must take place in the ARC Region which includes all of WV and parts of AL, GA, KY, MD, MS, NY, NC, OH, PA, SC, TN, and VA. \$250K expected to be available, up to 10 awards anticipated. Responses due 5/29/09. For more info, go to:

<http://www.arc.gov/images/rfp/ARC%20Energy%20RFP%20Training%20and%20Certification.pdf>.

RFP for Renewable Energy and Energy Efficiency for K–12 Schools, Appalachia (May 29)

The Appalachian Regional Commission requests proposals for Renewable Energy and Energy Efficiency for K-12 Schools. This program will underwrite costs of installing renewable energy and energy efficiency equipment in K–12 schools in Appalachia, and provide support for the implementation of associated science, environment, and business curricula in the classroom. Eligible renewable energy equipment includes: Wind, solar, fuel cells, biofuels, and geothermal systems. Projects must take place in the ARC Region which includes all of WV and parts of AL, GA, KY, MD, MS, NY, NC, OH, PA, SC, TN, and VA. \$250K expected to be available, up to 10 awards anticipated. Responses due 5/29/09. For more info, go to: <http://www.arc.gov/images/rfp/ARC%20Renewable%20Energy%20For%20Schools%20Program.pdf>.

RFP for Transformational Energy R&D, DOE, American Recovery and Reinvestment Act (June 2)

The U.S. Department of Energy, Advanced Research Projects Agency (a new DOE Agency created specifically to foster R&D of transformational energy related technologies) requests proposals for Advanced Research Projects. Transformational technologies are defined as those that disrupt the status quo; not merely better than current technologies, but significantly better. This RFP supports the Nation's need to overcome the threats posed by climate change and energy security. Concept papers are required,

and are due 6/2/09. Final proposals accepted by invitation only. For more info, contact Bradley Poston at bradley.poston@hq.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=47045>. Refer to Sol# DE-FOA-0000065. (Grants.gov 4/27/09) (FBO 4/29/09)

RFP for Renewable Energy Certificates, U.S. Air Force (June 4)

Request for Proposal SP0600-09-R-0407-0002 for Renewable Energy Certificates, for ultimate transfer to the U.S. Air Force and various Federal Civilian customers. Contract(s) are anticipated to be one time deliveries starting on September 30, 2009. Total contract quantity is 251,822,000 kWh. This is a combined synopsis/solicitation for commercial items prepared in accordance with the format in Subpart 12.6, as supplemented with additional information; proposals are being requested and a written solicitation will not be issued. This announcement and the document, which can be accessed at the URL identified below, constitute the only solicitation. The solicitation is issued as a Request For Proposal (RFP) and has incorporated provisions and clauses as in effect through Federal Acquisition Circular (FAC) 2005-29. Additional requirements may be added by Amendment. All responsible sources may submit a proposal, which shall be considered. The RFP is available through the DESC-AEA electricity web site: <https://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=1529>. If you are unable to access the solicitation via the Internet, please contact DESC-AEA for a printed copy.

Points of Contact:

Cynthia Ralph, 703-767-8566, Cynthia.ralph@dla.mil

Leslie Simpson, 703-767-8536, leslie.simpson@dla.mil

For all Small Business issues, please call Lula Manley at (703) 767-9465 or Lula.Manley@dla.mil.

RFP for Rural Energy Audits and Renewable Energy Development, DOA, American Recovery and Reinvestment Act (June 9)

The U.S. Department of Agriculture requests proposals for the Rural Business Enterprise Grant Program. USDA seeks proposals from eligible entities to provide energy audits and renewable energy development assistance for agricultural producers and rural small businesses. Individual awards NTE \$100K. Responses due 6/9/09. For more info, go to: <http://www.rurdev.usda.gov/rbs/>. Refer to Sol# RDBCP-09-RBEG-ARRA. (Grants.gov 3/27/09)

RFP for Energy Innovations Small Grant Program, CEC (June 11)

The California Energy Commission requests proposals for the Energy Innovations Small Grant Program – Electricity Program. EISG funds the early development of innovative energy RD&D projects. Projects must target one of the following: Industrial/Agriculture/Water End-Use Efficiency; Building End-Use Efficiency; Environmentally Preferred Advanced Generation; Renewable Generation; Energy-Related Environmental Research; and Energy Systems Integration. Proposed projects must be clearly relevant to California's electric market. Individual hardware awards NTE \$95K, individual modeling awards NTE \$50K. Responses due 6/11/09. For more info, go to: http://www.energy.ca.gov/contracts/smallgrant/09-01_electricity/index.html. Refer to Sol# 09-01.

RFP for American Recovery Program, Department of Commerce (June 30)

The U.S. Department of Commerce, Economic Development Administration (EDA) requests proposals for the EDA American Recovery Program, for projects that advance economic growth by assisting communities and regions experiencing chronic high unemployment and low per capita income to create an environment that fosters innovation, promotes entrepreneurship, and attracts increased private capital investment. Priority consideration will be given to regions that have experienced sudden and severe economic dislocation and job loss due to corporate restructuring. Applicants may apply for the following programs: 1) Public Works and Economic Development Facilities Program, and 2) Economic Adjustment

Assistance Program. Responses due 6/30/10. For more info, including Region-specific contacts, go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=45786>. Refer to Sol# DA03102009RECOVERYACT. (Grants.gov 3/5/09)

RFP for Green Jobs Training, DOL, American Recovery and Reinvestment Act (June 30)

The U.S. Department of Labor announces its intent to request proposals for Recovery Act Competitive Grant Opportunities. DOL anticipates \$500 million will be targeted at research, labor exchange, and job training projects that prepare workers for careers in energy efficiency and renewable energy as defined in the Green Jobs Act: Energy efficient building, construction, and retrofitting; renewable electric power; energy efficient and advanced drive train vehicles; biofuels; deconstruction and materials use; energy efficiency assessment for residential, commercial, or industrial sector, and manufacturing of sustainable products using sustainable processes. \$250 million will be targeted at other high growth and emerging industry sectors. DOL intends to post the RFPs no later than 6/30/09. For more info, go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46337>. (Grants.gov 3/26/09)

RFP for Environmental Implications of Emerging Technologies, NSF (September 15)

The National Science Foundation requests proposals for Environmental Implications of Emerging Technologies, for research to develop and test the environmental effects of new technologies. Areas of interest include, but are not limited to: The development and refinement of sensors and sensor network technologies; innovative production processes, waste reduction, recycling, and industrial ecology technologies; and evaluation of the effect of increased usage of renewable resources on water supply and land use. Individuals awards generally NTE \$80K each. Responses due 9/15/09. For more info, contact Paul Bishop at pbishop@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030. Refer to Sol# PD-09-1179. (Grants.gov 3/23/09)

RFP for Energy for Sustainability, National Science Foundation (September 15)

The National Science Foundation requests proposals for the Energy for Sustainability Program. This program supports research and education in energy production, conversion, and storage, and is focused on energy sources that are environmentally friendly and renewable, including solar, wind and biomass. Average individual awards \$100K. Responses due 9/15/09. For more info, contact Trung Nguyen at tnguyen@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501026. Refer to Sol# PD-09-7644. (Grants.gov 3/6/09)

RFP for Thermal Transport Processes, National Science Foundation (September 15)

The National Science Foundation requests proposals for the Thermal Transport Processes Program, for engineering research aimed at gaining a basic understanding of the microscopic and macroscopic levels of thermal transport phenomena (heat and mass transfer) underlying energy conversion and conservation, the synthesis and processing of materials, cooling and heating of infrastructure and equipment, and more. An active understanding of thermal transport in energy conversion and conservation processes is vital to reduce the nation's dependence on petroleum. Awards NTE \$100K. Responses due 9/15/09. For more info, contact Theodore Bergman at tbergman@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13367. Refer to Sol# PD-09-1406. (Grants.gov 3/9/09)

RFP for National Lab Partnerships for Energy Research, DOE (November 9)

The U.S. Department of Energy requests proposals for Experimental Program to Stimulate Competitive Research (EPSCoR); Building EPSCoR-State/National Laboratory Partnerships. This RFP will support collaborative partnerships between National Laboratories and academic or industrial researchers to conduct nationally competitive, energy-related research. \$1.7 million expected to be available, maximum awards generally \$600K. Pre-applications are required and are due 6/5/09, final proposals due 11/9/09. For more info, contact Marilyn Oyler at marilyn.oyler@science.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/33EE94649665FEA8852575A1006CCB0A?OpenDocument>. Refer to Sol# DE-PS02-09ER09-11. (Grants.gov 4/23/09)

RFP for Renewable Energy Resources, Los Angeles (March 11, 2010)

The Los Angeles Department of Water and Power (LADWP) has issued a rolling request for proposals (RFP) designed to seek renewable energy proposals on a continuous basis throughout the year. The rolling RFP calls for proposals for approximately 1,000 GWh per year of renewable energy resources such as solar, wind and geothermal power. This amount represents nearly 4% of LADWP's power sales.

LADWP is looking to acquire renewable energy resources through either immediate ownership of power generation facilities or through long-term power purchase agreements. Under the terms of the new RFP, green power providers can submit their proposal anytime throughout the year. LADWP will open and consider the proposals on a monthly basis, and could then begin evaluation and negotiation of a particular project right away.

LADWP says it will give preference to proposals that offer immediate facility ownership or to long-term PPAs that have an ownership option. Additionally, LADWP is targeting solar projects located in the high deserts of California, close to LADWP's existing transmission system. The application deadline is March 11, 2010.

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?oppId=46833&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000058. (Grants.gov 4/16/09)

Upcoming Events

International Geothermal Days Slovakia 2009, May 26–29 (Slovakia)

From the organizing committee: Geothermal Conference and Summer School under the Auspices of the Minister of Environment of the Slovak Republic and the Minister of Economy of the Slovak Republic to be held on 26th to 29th May 2009 in Častá Papiernička—Slovakia

The idea of the conference is to discuss the situation with respect to the energy and particularly renewable energy issues in the Visegrad Countries, Western and Central/East European countries. From the EC Member States and pre-accession countries, a limited number of experts will be invited as observers. The motto of the event is “National Development of Geothermal Energy Use.” During the Slovakia 2009 – International Geothermal Days, several themes will be introduced and discussed. These are:

- Geothermal District Heating Projects: Technical and Economic Feasibility for Organization in Central European conditions;
- Geothermal Electricity Production: Possibilities, Technical and Economic Feasibility in Central European Region;
- Geothermal Legislation: Organizing Good Legal and Economic Support for Geothermal Energy Development in Central European Region;
- Organization of a Successful Development of Geothermal Project;
- Co-generation Geothermal Projects in Combination with other RES or Fossil Fuels;
- Possibilities for Wider Introduction of Agricultural and Industrial Uses of Geothermal Energy in Central European Countries;
- Geothermal Energy Use in Spa and Balneology Centers in Central European Region

In addition, an International Course on Organization of Successful Development of a Geothermal Project shall be organized with the aim to enable orientation for the full process of geothermal projects development, needed for definition of necessary legal, financial and organizational support and composition of successful development strategies.

For a tentative program and further details, see <http://www.erdwaerme-zeitung.de/meldungen/internationalgeothermaldaysslovakia20098743256789.html>.

GEA: U.S. Geothermal Finance and Development Workshop, June 3 (Seattle, WA)

GEA will hold its next in a highly successful series of Finance and Development Workshops in Seattle, WA on June 3.

“The West has a huge untapped geothermal energy potential,” according to Karl Gawell, GEA’s Executive Director. “This workshop will help realize this potential by encouraging collaboration between leading geothermal developers, finance and investment specialists, government officials, lawyers, and technology experts from around the nation.”

The day-long workshop is being held in cooperation with the Mayor of Seattle’s office and with the support of Gold Level Sponsors Ormat, Pratt and Whitney Power Systems, and Enel North America. It will include an update on the U.S. geothermal market and keynote presentations by the Mayor of Seattle, Greg Nickels, and other notable government and industry leaders.

Panels and discussion will include:

- Project development, including presentation from leading project developers on new geothermal projects and keys to successful development

- Technology, including a basic tutorial on understanding geothermal resources and technology and discussion on new and future developments in geothermal technology
- Finance, including information on the federal stimulus, the status of federal and state incentives, and approaches to project financing
- Community/environmental issues and tribal and power company perspectives, with environmental and tribal leaders speaking to geothermal issues and benefits on a local scale.

For more information please go to www.geo-energy.org or contact Kathy Kent at GEA by emailing kathy@geo-energy.org.

GEA: Direct Use/Small Power Finance Workshop, Oregon Institute of Technology (OIT), August 12-13 (Klamath Falls, OR)

GEA in cooperation with OIT will host a geothermal direct-use and small power workshop in Klamath Falls, Oregon in the summer of 2009. The format would be an all day workshop with a site tour the following day. Included in the workshop agenda will be the how-to's of financing a small power/direct use project, direct use technology, presentations of small projects and direct use projects today and information about drilling and exploration for such projects. For more information contact Kathy Kent at kathy@geo-energy.org.

GEA: Geothermal Energy Expo/GRC Annual Meeting, October 4-7 (Reno, NV)

The 2009 Geothermal Energy Expo and GRC Annual Meeting will be held October 4-7 at the Peppermill in Reno, Nevada. For more information about the Geothermal Energy Expo, visit: <http://www.geo-energy.org>.

Renewable Energy Indonesia 2009 Trade Show, October 14–17 (Jakarta, Indonesia)

Indonesia has 45% of the world's geothermal energy resources. Renewable Energy Indonesia 2009 is the 5th international exhibition for all renewable energy technologies. It will be held at the International Exhibition Centre at Kemayoran, October 14–17, 2009.

For more information: www.pamerindo.com.

XVII Annual Congress and Annual Assembly, Mexican Geothermal Association, November 13 (Mexico)

The Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana) will hold its XVII Annual Congress and Annual Assembly by November 13, 2009, at the CFE (Comisión Federal de Electricidad) offices in Morelia, Mich., Mexico.

Preliminary program:

9:00 – 10:00 hours: Registration
 10:00 – 13:00 hours: Technical presentations
 13:00 – 14:00 hours: Lunch
 14:00 – 17:00 hours: Technical presentations
 17:00 – 18:30 hours: Ordinary Assembly

Fees: AGM's members: 750 Mexican pesos (~55 USD). Non-members: 1,100 Mexican pesos (~85 USD). Students and retired: 50%. Fee includes lunch, transactions and coffee breaks.

Deadlines:

Submission of abstracts: July 24

Acceptation notification: August 7
Submission of extended papers: September 4
Pre-registration: November 3

Complete call for papers (in Spanish) at: <http://www.geotermia.org.mx> (See: Congreso 2009)

More information: Luis C.A. Gutiérrez-Negrín (AGM's secretary): l.g.negrin@gmail.com.



GEA Weekly Update

A newsletter for the geothermal industry written by Leslie Blodgett and Karl Gawell.
For more information contact GEA at: 209 Pennsylvania Avenue SE, Washington, D.C.
20003. Phone: 202-454-5261; Fax: 202-454-5265; E-mail: research@geo-energy.org