



# GEOTHERMAL ENERGY ASSOCIATION

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## **National News**

### **Democratic Policy Committee Releases Legislative Bulletin on Energy and Water Act**

The DPC has released a Legislative Bulletin on S. 1436, the Energy and Water Development and Related Agencies Appropriations Act, 2010. The Senate is expected to consider S. 1436, the Energy and Water Development and Related Agencies Appropriations Act, 2010 this week and would appropriate \$34.27 billion in non-emergency discretionary spending, \$643.7 million below the President's budget request and \$476 million above the Fiscal Year 2009 levels (excluding FY2009 emergency spending levels of \$58.7 billion).

According to the report, "During the week of July 27, the Senate is expected to consider S. 1436, the Energy and Water Development and Related Agencies Appropriations Act, 2010. S. 1436 would. This amount is, when."

S. 1436 would provide \$2.23 billion for EE/RE, which is \$84.6 million less than the President's budget request and \$305 million more than the enacted Fiscal Year 2009 level. The proposed appropriation level would allocate \$50 million for geothermal research and development. This amount matches the President's budget request and \$6 million more than the enacted Fiscal Year 2009 level, excluding the enacted \$400 million in emergency appropriations.

Other provisions under Title III of S. 1436, which would fund other Department of Energy (DOE) programs, are \$323.3 million for advanced vehicle technology, \$235 million for biomass and biorefinery systems, \$255 million for solar energy research and development, \$202.7 million for building technology, \$200 million for the weatherization assistance program, \$190 million for hydrogen research and development, \$100 million for industrial activities, \$85 million for wind energy research and development, \$60 million for water power energy research and development, \$50 million for geothermal research and development, and \$50 million for the State Energy Program.

See [http://dpc.senate.gov/dpcdoc.cfm?doc\\_name=lb-111-1-98](http://dpc.senate.gov/dpcdoc.cfm?doc_name=lb-111-1-98).

### **Renewables Supply Over 11% of U.S. Energy Production, Exceed Nuclear Power**

Press Release—July 29, SUN DAY Campaign

Washington DC -- According to the latest issue of the "Monthly Energy Review" by the U.S. Energy Information Administration, production of renewable energy for the first third of 2009 (i.e., January 1 – April 30) was six percent higher compared to the same time period in 2008. Moreover, in April 2009 alone, renewable energy sources accounted for 11.1 percent of domestic energy production and exceeded the amount contributed by nuclear power.

More specifically, domestic energy production for the first four months of 2009 totaled 24.394 quadrillion Btu's (quads) of which renewable sources (biofuels, biomass, geothermal, solar, wind, water) accounted for 2.512 quads. In April 2009 alone, total U.S. energy production was 5.980 quads with .664 quads (11.1%) coming from renewable sources; nuclear power provided .620 quads (10.4%).

For the first four months of 2009, U.S. renewable energy production was comprised of hydropower (34.6%), wood + wood wastes (31.2%), biofuels (19.0%), wind (9.3%), geothermal (4.7%), and solar (1.2%). Most of these sources grew compared to the first third of 2008 with wind expanding by 34.5%, biofuels by 14.1%, hydropower by 8.2%, and geothermal by 2.6%. The contribution from solar sources remained essentially unchanged while wood + wood waste declined by 4.9%.

Total U.S. energy consumption dropped 5.7% during the first four months of 2009 compared to the same period in 2008 with fossil fuel use accounting for most of the decline.

“As Congress continues to debate energy and climate legislation, it would do well to take note of the clear trends in the nation’s energy mix,” said Ken Bossong, Executive Director of the SUN DAY Campaign. “Fossil fuel use is dropping sharply and nuclear power is barely holding on to its market share while the mix of renewable energy sources continues month-after-month to set ever-higher records.”

The U.S. Energy Information Administration released the "Monthly Energy Review" on July 28, 2009. It can be found at: <http://www.eia.doe.gov/emeu/mer/contents.html>. The relevant tables from which the data above are extrapolated are Tables 1.1, 1.2, and 10.1

## **Company News**

### **Magma Energy Corp: Interest Acquired in Icelandic Producer; CEO Focused on Growth**

Press Release— July 23, [Magma Energy Acquires Interest in Icelandic Geothermal Energy Producer](#)

Vancouver, B.C. - Magma Energy Corp. (TSX: MXY) announces that it has signed an agreement to acquire from Geysir Green Energy a minority interest in HS Orka, a large producing geothermal company in Iceland. The agreement provides that Magma will purchase an 8.62% shareholding in HS Orka for 2.5 billion Icelandic Króner ("ISK") (approximately US\$20 million) payable at closing and a 2.16% shareholding in HS Orka for 625 million ISK (approximately US\$5 million) payable by March 31, 2010. In connection with the purchase, Magma will also obtain an option to acquire approximately a 5% additional shareholding in HS Orka by making a capital infusion of US\$15 million into HS Orka. *For more, see [http://www.magmaenergycorp.com/s/NewsReleases.asp?ReportID=356922&\\_Type=News-Releases&\\_Title=Magma-Energy-Acquires-Interest-In-Icelandic-Geothermal-Energy-Producer](http://www.magmaenergycorp.com/s/NewsReleases.asp?ReportID=356922&_Type=News-Releases&_Title=Magma-Energy-Acquires-Interest-In-Icelandic-Geothermal-Energy-Producer).*

The Canadian Press published an article on Magma Energy and Ross Beaty, Magma's founder, chairman and CEO. The article cited Magma’s acquisition of HS Orka interest as part of a plan to build up to 500 MW of production in five years – compared to the current 23 MW company capacity. "My growth plans are very ambitious. We are trying to build a very large company here," Beaty told press. Beaty added that Magma, based in British Columbia, does business in the U.S. because there are better incentives for the geothermal industry, and praised Obama’s renewable energy efforts.

See <http://www.magmaenergycorp.com> and [http://www.google.com/hostednews/canadianpress/article/ALeqM5g6ZhK0ZcEVC1MZSU7h\\_jxiuWXFuw](http://www.google.com/hostednews/canadianpress/article/ALeqM5g6ZhK0ZcEVC1MZSU7h_jxiuWXFuw).

### **Sierra Geothermal Power: BLM Grants Approval and Permits for Alum, NV**

Press Release—July 22, [Sierra Geothermal Power Receives Environmental Approval and Drill Permits for Its Alum Project](#)

Vancouver, BC -- Sierra Geothermal Power Corp. (SGP) (TSX VENTURE: SRA) today announced that on July 21, 2009 it received an Environmental Assessment (EA) decision with a Finding of No Significant Impact (FONSI) from the US Bureau of Land Management (BLM) for its Alum geothermal power project located in Nevada, USA. The FONSI was reached following the BLM's review of SGP's proposed project plans for Alum and the anticipated environmental impact was determined to be non-significant. The FONSI represents the final stage in the federal environmental review process.

*For more, see <http://www.integratir.com/newsrelease.asp?ticker=v.sra&title=null>.*

## **Renewable Energy and Climate Change News**

### **Analysts Debate Effectiveness of SMUD Feed-in Tariffs Program**

The Sacramento Municipal Utility District (SMUD) announced the introduction of feed-in tariffs to boost renewable energy development, following the footsteps of utilities in Indiana, Michigan, and Florida though sparking debate about the effectiveness of the program. An article on [wind-works.org](http://wind-works.org) looks into this, stating that "industry analysts were quick to applaud SMUD's effort while noting the program's deficiencies."

"The FIT is a huge step forward for the utility industry as it removes barriers to interconnection by reducing regulation, making it easier for SMUD and its power-generating customers to do business," according to the SMUD press release dated July 17. "It will also benefit the region by increasing energy efficiency, protecting the environment, saving money and reducing climate impacts of electricity generation."

Summary of the program:

Program Cap: 100 MW  
Project Cap: 5 MW  
Contract Terms: 10, 15, 20 years  
Time Differentiated Tariffs  
No Technology Differentiation  
Tariffs based on avoided cost, value-based tariffs  
Effective January, 2010  
Applications available November, 2009  
Includes tariffs for Combined Heat & Power

"By standardizing our purchase offer, the FIT will streamline the time and effort currently required to contract with power generators," according to the board's briefing documents. "For customers, the FIT will provide a new opportunity to sell power at a fair market price from small-scale generation units. In particular, the FIT for Renewable Generation will assist SMUD in meeting the goals not only for our Renewable Portfolio Standard (RPS), but also for greenhouse gas reduction."

Craig Lewis, a founding member of the [California] FIT Coalition told press, "The fact that SMUD raised the project size limit to 5MW is indicative that they believe distributed generation projects can be seamlessly integrated into the distribution grid in California," in reference to the lower limit of 1.5 MW in the PUC's program. He also said SMUD's most significant contribution may be the program's target of 100 MW.

Analysts wonder whether the proposal accomplished its stated objective of developing a "fair" price for renewable energy, or whether the program will perform at an efficient pace. Other analysis said feed-in tariffs around the world have shown the program needs to be cost-based in order to be effective.

"SMUD's feed-in tariff price structure is a maze of 216 different payment rates for different seasons, times of day, contract lengths, and starting year," Robert Freehling, a renewable energy consultant told press. "Even after a developer picks a technology, a starting date and a contract length, individual projects will be subject to nine different rates that depend on time of day and season of the year for the duration of their contract."

See <http://www.wind-works.org/FeedLaws/USA/SMUDAnnouncesFeed-inTariffs.html> and [http://www.smud.org/en/news/Documents/09archive/07-17-09\\_smud\\_feed-in-tariff.pdf](http://www.smud.org/en/news/Documents/09archive/07-17-09_smud_feed-in-tariff.pdf), and <http://www.wind-works.org/FeedLaws/USA/SMUD%20Feed-In%20Tariff%20Design%20April%202009.pdf>.

## **Agriculture and Forestry Play Central Role in Global Warming Legislation**

From Sustainable Energy Coalition/SUN DAY Campaign: News Story Excerpts - 07/28/09

Agriculture and forestry can play a central role in the nation's energy transition and earn economic rewards for doing so. They provide feedstocks for renewable, carbon-recycling bioenergy. Farms and rangelands also provide ideal sites for wind power and solar systems. Farms, ranches, and forests can also help curb greenhouse gases in the atmosphere. Right now, crops, trees, and pastures absorb and store about 12 percent of U.S. annual carbon dioxide emissions. According to EPA, that figure could reach 20 percent through changing agronomic and forestry practices. Increasing the storage of carbon in agriculture and forestry operations can earn income for producers while reducing the economic costs of cutting greenhouse gas emissions in other industries.

See <http://agriculture.senate.gov>.

## **BPA Establishes Final Record of Decision on Wind Integration Rate Case**

The Bonneville Power Administration (BPA) has established a wind integration rate of approximately \$5.70/MWh for wind generators, according to stoel.com. This serves as BPA's Final Record of Decision in the 2010 Rate Case. Prior to 2009 wind generators were not charged a separate wind integration rate, which is connected to the need of the transmission provider to accommodate changes in wind generation and differences between scheduled and actual wind generation.

See <http://www.stoel.com/showalert.aspx?Show=5766>.

## **Low-Temperature Heat Energy Conversion System Inventor Named Finalist at World Technology Awards Ceremony**

Press Release—July 28, [Ener-G-Rotors, Inc., Technology Innovator/Inventor George Yarr Named Finalists at World Technology Awards Ceremony in New York City](#)

Schenectady, N.Y. -- Ener-G-Rotors, Inc. ([www.ener-g-rotors.com](http://www.ener-g-rotors.com)), a manufacturer of systems that convert low temperature, waste heat into electricity, was named a finalist in Corporate Energy category, and George Yarr, the inventor of Ener-G-Rotors' patented technology was a finalist in the Individual Energy category at the World Technology Award's gala on July 16. The awards ceremony, which took place at the Time Conference Center, Time and Life Building, in New York, was the culminating event of the two-day World Technology Summit.

The prestigious and highly competitive World Technology Awards are presented annually to recognize individuals and companies performing innovative work of "the greatest likely long-term significance" in their respective fields. Nominees are proposed by Fellows and Founding Members of the World Technology Network (WTN) - a global community of the leading players working in technology, from technologists, financiers and entrepreneurs to government officials, policy analysts and futurists. More than 60 countries are represented in the WTN membership.

The World Technology Awards recognized Ener-G-Rotors' patented Trochoidal Gear Engine™(TGE™) device, and it's inventor, George Yarr. The device converts heat in the form of low temperature hot water or steam into electricity. The electricity generated is then returned to the customer's grid. The TGE™ is the first technology proven to perform the conversion economically at small scales and lower temperatures than existing systems (below 400 degrees F). The Ener-G-Rotors technology has vast waste-heat conversion applications within industrial facilities, combined heat and power installations, and large commercial buildings.

For more information about the World Technology Summit and Awards and for a full list of 2009 Award winners, please visit: <http://www.wtn.net/summit2009/nominees.html>.

For more, see <http://www.earthtimes.org/articles/show/ener-g-rotors-inc-technology-innovatorinventor-george.906279.shtml>.

## **State News**

### **Obama Administration Awards More than \$54m for State Energy Programs in Nevada, Rhode Island, Vermont, and Wisconsin**

From EERE News—July 27

U.S. Department of Energy (DOE) Secretary Steven Chu today announced more than \$54 million in funding from the American Recovery and Reinvestment Act to support energy efficiency and renewable energy projects in Nevada, Rhode Island, Vermont, and Wisconsin. Under DOE's State Energy Program, states and territories have proposed statewide plans that prioritize energy savings, create or retain jobs, increase the use of renewable energy, and reduce greenhouse gas emissions.

"This funding will provide an important boost for state economies, help to put Americans back to work, and move us toward energy independence," said Secretary Chu. "It reflects our commitment to support innovative state and local strategies to promote energy efficiency and renewable energy while insisting that taxpayer dollars be spent responsibly."

For more, see [http://apps1.eere.energy.gov/news/progress\\_alerts.cfm/pa\\_id=215](http://apps1.eere.energy.gov/news/progress_alerts.cfm/pa_id=215) and <http://www.sfgate.com/cgi-bin/article.cgi?file=/n/a/2009/07/27/state/n095542D57.DTL>.

### **Indiana: Ball State Awards \$13m Contract for Geothermal Heating System**

Messer Construction will serve as general contractor for Ball State University's geothermal heating and cooling system, which will be the largest in the nation, serving over 40 campus buildings. The university has awarded a \$13 million contract to the contractor, according to thestarpress.com, and so far has 16 subcontractors. Drilling has begun on the system that will replace BSU's four coal-fired boilers by 2011.

See <http://cms.bsu.edu/About/Geothermal.aspx> and <http://www.thestarpress.com/article/20090726/NEWS01/907260334/1002>.

## **International News**

### **Australia: Geothermal Estimated to Provide 23% of New Energy by 2020**

McLennan Magasanik Associates recently predicted 23% of Australia's new energy will be in the form of geothermal power plants, as Australia seeks to attain its goal of 20% renewable energy production by 2020. Other renewables in the mix will be biomass at 17%, wind at 56%, and hydro at 4%. Ecogeneration.com.au calls the 20% by 2020 goal a "significant, but not enormous, target," and describes the math that goes into this target:

According to the Energy Supply Association of Australia (esaa), electricity consumption in 2005/06 was around 220,000 gigawatt hours (GWh) and will rise to around 300,000 GWh by 2020, meaning a 20% target of 60,000 GWh. With the 15,000 GWh that existed before MRET began, this means a new MRET target of 45,000 GWh. Australia is already on the way to achieving this. In 2006 5,200 renewable energy certificates (RECs) were created. This means that

the additional renewable generation required is in fact approximately 40,000 or 50% of the load growth over the period from now until 2020.

See [http://ecogeneration.com.au/news/australia\\_on\\_the\\_way\\_to\\_20\\_renewable\\_energy/002128/](http://ecogeneration.com.au/news/australia_on_the_way_to_20_renewable_energy/002128/).

### **Australia: DRET Working on Geothermal Roadmap to Solve Obstacles**

The Australian Department of Resources, Energy and Tourism (DRET) is developing the Geothermal Industry Development Framework and Technology Roadmap to support the growth of geothermal industry in Australia and bring together strategies by the government, industry, and research communities, according to ecogeneration.com.au.

The project status, issues papers, and related items can be found on the project web site: <http://www.geothermalframework.net.au>. DRET is holding several workshops to bring together the perspectives of different stakeholders, and will then provide recommendations for technical and non-technical barriers to geothermal development, as well as providing an industry map, according to the article.

The article provides an update on the industry in Australia:

It is seven years since the grant of the first Geothermal Exploration Lease (GEL) in Australia in 2001. Nationally, 31 companies have applied for 232 licenses with work programs investment in the term 2002-12 estimated to be worth \$811 million (AGEG 2007). Nationwide, eight projects, operated by seven companies, have already entered the exploration drilling phase, including Geodynamics' Innamincka geothermal HR power project; Petratherm's Paralana and Callabonna projects; Green Rock Energy's Blanche project; Scopenergy's Limestone Coast project in the southeast of South Australia (now owned by Uranoz Limited, recently renamed PANAX); Torrens Energy's Adelaide Geosyncline project; and, KUTH Energy's Tasmanian project and Geothermal Resources' Curnamona project.

Australia has one currently operational geothermal power generation plant. It is located at Birdsville in Queensland and is a binary cycle, 80-kW baseload geothermal power plant. Australia also currently utilizes geothermal energy in the form of direct heat uses, such as for domestic hot water, heating swimming pools, spas, and fish farms, according to the article.

See [http://ecogeneration.com.au/news/the\\_geothermal\\_roadmap-securing\\_australias\\_hot\\_rock\\_future/002121/](http://ecogeneration.com.au/news/the_geothermal_roadmap-securing_australias_hot_rock_future/002121/).

### **Chile: Locals Concerned About Water, Tourism Impacts of Geothermal Project**

A geothermal energy project 4 km from El Tatio geyser field is underway, but is facing opposition from some Atacama indigenous communities, backed by environmental groups and tourism operators, according to ipsnews.net. Geotermica del Norte, the developer, plans to apply for the necessary permits to build the plant after it has finished feasibility studies. The company has ruled out environmental impacts from the project. Energy Minister Marcelo Tokman told press that water scarcity and tourism interests are concerns; he added that Geotermica del Norte is carrying out its work following all imposed restrictions, and that there has not been any negative impact on the geysers or water availability.

See <http://ipsnews.net/news.asp?idnews=47767>.

## **Philippines: Government and Chevron Geothermal Launch Forest Stewardship Project**

The local government of Tiwi, Albay, and Chevron Geothermal Philippines Holdings Inc. (CGPHI) have launched the Lingap Kalikasan Movement, a forest conservation project, wherein participants were educated on forest stewardship and the environmental and economic impacts of forest degradation. CGPHI is also involved in a tree-planting initiative, which should result in the planting of 3,155 trees before the end of 2009.

See <http://businessmirror.com.ph/component/content/article/53-agri-commodities/13657-local-government-and-chevron-geothermal-launch-forest-stewardship-project-in-tiwi-albay.html>.

## **Spain: Mine Shaft Temperatures Suitable for Geothermal Energy Production**

Rafael Rodríguez and María Belarmina Díaz, two engineers from the University of Oviedo, report a method to estimate the geothermal heat potentially available from a soon-to-be-abandoned mine tunnel, according to sciencedaily.com. The method is a calculation based on studies carried out while it is still in use and looks into a two-km-long mine shaft with temperatures around 30°C at a depth of 500 m, and shows that water could be injected at 7°C and returned at 12°C.

"One way of making use of low-intensity geothermal energy is to convert mine shafts into geothermal boilers, which could provide heating and hot water for people living nearby," Rodríguez told press.

See <http://www.sciencedaily.com/releases/2009/07/090727081108.htm>.

## **Notices**

### **Closing This Week**

- DOE Geothermal Funding Opportunities (July 30)
- TANC Transmission Project EIR/EIS Public Scoping Comment Period Extended (July 30)
- USDA Announces REAP Grant/Loan Guarantee Funding (July 31)
- Airborne Hyperspectral Surveys of Geothermal Areas, Nevada (August 1–4)
- DOE FOA for RD&D on Combined Heat and Power System (August 4)

### **New This Week**

- **GEA Announces Geothermal Energy Webcast Live from Expo Hall**

GEA is thrilled to announce our Geothermal Energy Webcast live from the Expo Hall on Tuesday, October 6th from 10am-1pm PT. Speaking opportunities now available!!

GEA would like to offer a chance for companies to reach the large number of people that are interested in geothermal energy, but are not able to make it to Reno to attend in person the Geothermal Energy Expo, the world's largest gathering of companies in the geothermal industry. Please join GEA and our sponsors Halliburton, Stoel Rives, LLP, Shaw Group LLC, GeoTek Energy, LLC, Geothermal Development Associates, and more as they make presentations about their company and their role in the geothermal industry.

We would like to extend this presentation opportunity to our Exhibitors, Members, and other companies in the geothermal industry who would like to reach a broader audience. We will work hard to promote

this Webcast and expect to reach an audience of a thousand or more. We will post a schedule of speakers in our Expo Guide, on GEA's website and on signage on site.

We will be scheduling 15 minute presentation slots for any company interested. If interested, please contact Kathy Kent at [kathy@geo-energy.org](mailto:kathy@geo-energy.org) at your earliest convenience.

## **Other Notices Available on GEA Web Site**

Notices from past weeks are now available on GEA's Web site:

- SMU Geothermal Laboratory Offers Networking for Geothermal Projects
- CEC Cost Share Grant Solicitation, American Recovery and Reinvestment Act (August 6)
- Call for Papers, Renewable Energy World North America (August 7)
- Labor Department Offers \$500 Million for Clean Energy Job Training (August–October)
- EPA Extends Comment Period for Renewable Fuel Standard Program (September 25)
- Resource Development Opportunity, Contact, Nevada
- Hannon Armstrong Announces Advisory Services for DOE Loan Guarantees

For details, see <http://geo-energy.org/publications/updates.asp#Notices>.

## **Employment Opportunities**

### **Employment Opportunities Available on GEA Web Site**

Open Employment Opportunities are now available on GEA's Web site:

- Vice President of Engineering, Ram Power, Inc.
- Drilling Program Manager, Major Geothermal Power Company in CA
- Senior Director, Business Development, Major Geothermal Company
- Geothermal Project Supervisor, Central American Bank for Economic Integration, Costa Rica
- Research Associate II, SMU Geothermal Laboratory

For details, see <http://geo-energy.org/publications/updates.asp#Employment>.

## **Requests for Proposals (RFPs)**

### **Closing This Week**

- RFP for Renewables and Energy Efficiency Improvements, DOA (July 31)
- RFP for Renewable Energy Feasibility Studies, DOA (July 31)

### **Added This Week**

- **Green Capacity Building Grants, Recovery Act (August 5)**

The U.S. Department of Labor requests proposals for Green Capacity Building Grants. This program will support projects that build the capacity of DOL-funded grantees to provide training for entry-level positions leading to career pathways and/or additional training in the energy efficiency and renewable energy industries. \$5 million expected to be available, individual awards NTE \$100K. Responses due 8/5/09. For more info, contact Denise Roach at [Roach.Denise@dol.gov](mailto:Roach.Denise@dol.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48076>. Refer to Sol# SGA-DFA-PY-08-21. (Grants.gov 6/24/09)

- **RFP for RECs, Western Area Power Administration (August 7)**

The Western Area Power Administration (Western), a power marketing agency with the U.S. Department of Energy, issued a request for proposals (RFP) for the purchase of renewable energy credits (RECs) between 2009 and 2015.

In addition to seeking to acquire RECs for itself, Western issued the RFP on behalf of the Department of Agriculture's U.S. Forest Service and the Department of Energy's NNSA Pantex Plant. The year-by-year breakdown of REC purchases by agency is available in attachment 1 to the RFP. At least 50% of the RECs purchased will be from facilities that began producing power after January 1, 1999. Western said it encourages small and minority-owned businesses and Native American Tribes to apply. The expected start date for the contract period may be as soon as practicable after the REC contract award, which is anticipated to be no later than August 21.

Proposals must be received via mail or fax on or before August 7 at 4:30 p.m. MDT. Proposals received via email will not be accepted, nor will late submissions. The RFP is available on the Western Web site. For more information, contact REC Project Manager Paula Fronk ([fronk@wapa.gov](mailto:fronk@wapa.gov), 801-524-6383).

- **Carbon Capture & Sequestration Training – Recovery Act (August 11)**

The U.S. Department of Energy requests proposals for Geologic Sequestration Training and Research. Through this initiative, DOE will support carbon capture and storage (CCS) technologies training for graduate and undergraduate students. \$12.9 million expected to be available, up to 42 awards anticipated. Responses due 8/11/09. For more info, contact Ashley Scekeres at [Ashley.Scekeres@netl.doe.gov](mailto:Ashley.Scekeres@netl.doe.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48212>. Refer to Sol# DE-FOA-0000032. (Grants.gov 6/29/09)

- **U.S. & China Clean Energy and Climate Partnership (August 17)**

The U.S. Agency for International Development, Regional Development Mission for Asia seeks proposals for the U.S. - China Clean Energy and Climate Partnership. This new USAID/RDMA environmental partnership program will focus on clean energy solutions that promote real and sustainable reductions in greenhouse gas emissions. \$6 million expected to be available, 1 award anticipated. Responses due 8/17/09. For more info, contact Praveena ViraSingh at [pvirasingh@usaid.gov](mailto:pvirasingh@usaid.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48143>. Refer to Sol# USAID-RDMA-CHINA-486-09-031-RFA. (Grants.gov 6/26/09)

- **Renewables, Architect of the Capitol (September 1)**

The U.S. General Services Administration requests proposals for renewable energy certificates (RECs) for the Architect of the Capitol and possibly other Federal agencies. GSA seeks pricing for a total of 40,000 MWhs of RECs per year for 10 years. Responses due 9/1/09. For more info, contact Ken Shutika at [ken.shutika@gsa.gov](mailto:ken.shutika@gsa.gov) or go to: [https://www.fbo.gov/?s=opportunity&mode=form&id=5ff8b62b15fd6d05536e490f124d4204&tab=core&\\_cview=0](https://www.fbo.gov/?s=opportunity&mode=form&id=5ff8b62b15fd6d05536e490f124d4204&tab=core&_cview=0). Refer to Sol# GS-00P-09-BSD-0698. (FBO 7/27/09)

- **Community Renewable Energy Deployment, Recovery Act (September 3)**

The U.S. Department of Energy requests proposals for Community Renewable Energy Deployment. This initiative will support communities with existing renewable energy technology plans that are ready to move into implementation of the plan through readily deployable renewable energy installations. Successful applicants will demonstrate how large-scale renewable energy deployment will be facilitated through a comprehensive community energy strategy, adoption of codes and standards to support interconnection of renewable energy systems into the grid, financing, and partnerships with utilities, the

renewable energy industry, and government agencies. \$21.45 million expected to be available, up to 4 awards anticipated. Responses due 9/3/09. For more info, contact Uriel Trujillo at [CRED\\_0000122@go.doe.gov](mailto:CRED_0000122@go.doe.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48485>. Refer to Sol# DE-FOA-0000122. (Grants.gov 7/15/09)

- **Energy Training Partnership Grants, Recovery Act (September 4)**

The U.S. Department of Labor requests proposals for Energy Training Partnership Grants. This program will support training and placement services in the energy efficiency and renewable energy industries, green occupations within other industries, individuals in need of updated training related to the energy efficiency and renewable energy industries, and unemployed workers. \$100 million expected to be available, up to 30 awards anticipated. Responses due 9/4/09. For more info, contact Janice Sheelor at [Janice@dol.gov](mailto:Janice@dol.gov) or go to: [http://www.doleta.gov/grants/find\\_grants.cfm](http://www.doleta.gov/grants/find_grants.cfm). Refer to Sol# SGA-DFA-PY-08-18. (Grants.gov 6/24/09)

- **Renewables, Western U.S. (September 10)**

PacifiCorp seeks up to 500 MW of eligible renewable resources located within the Western Electricity Coordinating Council (<http://www.wecc.biz/Pages/Default.aspx>). Notice of intent to bid is required and is due 8/3/09, final bids due 9/10/09. For more info, contact [RFP2009R@pacificorp.com](mailto:RFP2009R@pacificorp.com) or go to: <http://www.pacificorp.com/Article/Article79618.html>. (Green Power Network 6/26/09)

- **Rural Community Development Initiative (September 24)**

The U.S. Department of Agriculture requests proposals for the Rural Community Development Initiative. This program supports intermediary organizations to develop their capacity to undertake housing, community facilities, and community and economic development projects in rural areas. \$6.256 million expected to be available, individual awards NTE \$300K. Responses due 9/24/09. For more info, including state-specific contacts, go to: <http://edocket.access.gpo.gov/2009/pdf/E9-15128.pdf>. Refer to Sol# USDA-RD-HCFP-RCDI-2009. (Grants.gov 7/10/09)

- **Local Energy Assurance Plans, Recovery Act (October 8)**

The U.S. Department of Energy requests proposals for the Local Energy Assurance Planning (LEAP) Initiative. This initiative, which is restricted to U.S. cities, focuses on developing new, or refining existing, plans to integrate new energy portfolios (renewables, biofuels, etc) and new applications, such as Smart Grid technology into energy assurance and emergency preparedness plans. \$10.5 million expected to be available, 50 awards anticipated. Responses due 10/8/09. For more info, contact Diane Franklin at [diane.franklin@netl.doe.gov](mailto:diane.franklin@netl.doe.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48595>. Refer to Sol# DE-FOA-0000098. (Grants.gov 7/20/09)

- **State Energy Sector Training Grants, Recovery Act (October 20)**

The U.S. Department of Labor requests proposals from State Workforce Investment Boards, the District of Columbia, and the U.S. territories, for State Energy Sector Partnership and Training Grants. This program will support training, job placement, and related activities that reflect a comprehensive statewide energy sector strategy including the Governor's overall workforce vision, State energy policies, and training activities that lead to employment in targeted industry sectors. A portion of the funds under this SGA will be reserved for communities or regions undergoing auto industry related restructurings. \$190 million expected to be available, individual awards NTE \$6 million. Responses due 10/20/09. For more info, contact Jeannette Flowers at [Jeannette@dol.gov](mailto:Jeannette@dol.gov) or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppId=48074>. Refer to Sol# SGA-DFA-PY-08-20. (Grants.gov 6/24/09)

## Other RFPs Available on GEA Web Site

Requests for Proposals listed in past weeks are now available on GEA's Web site:

- RFP for State Energy Program, DOE (Due Dates Vary)
- RFP for Contribution of Cost Share for Transportation Related Recovery Act RFPs, CEC (Due Dates Vary)
- RFP for Technology and National Research Priorities, Recovery Act (Ongoing)
- RFP for Ground Source Heat Pumps, Recovery Act, DOE (August 6)
- RFP for Carbon Capture and Sequestration, Recovery Act (August 7)
- RFP for REC Deliveries (August 14)
- RFP for Electric Energy Proposals, Southern California Edison (August 21)
- RFP for Smart Grid Demonstrations, DOE, American Recovery and Reinvestment Act (August 26)
- RFP for Environmental Implications of Emerging Technologies, NSF (September 15)
- RFP for Energy for Sustainability, National Science Foundation (September 15)
- RFP for Thermal Transport Processes, National Science Foundation (September 15)
- RFP for National Lab Partnerships for Energy Research, DOE (November 9)
- RFP for Renewable Energy Resources, Los Angeles (March 11, 2010)
- RFP for Smart Grid Investments, DOE, American Recovery and Reinvestment Act (March 31, 2010)

For details, see <http://geo-energy.org/publications/updates.asp#RFPs>.

## Upcoming Events

### Added This Week

- **31st New Zealand Geothermal Workshop 2009, November 16–18 (Rotorua, New Zealand)**

The 31st New Zealand Geothermal Workshop 2009 will be held on 16–18 November 2009 at the Rotorua Convention Centre in Rotorua, New Zealand. This year's theme is 'Geothermal and the marketplace'.

Convenors: Associate Professor Paul Hoskin, Dr. Sadiq Zarrouk, Dr. Stephen Onacha, Olwen Morgan

Registration for the workshop is now open. The call for papers is now open. Visit the program page to find out what themes are being considered this year, and how to submit your paper. The deadline for submission is Friday 4th September 2009 at 11.59pm New Zealand time.

To learn more about this event, visit the Workshop website at [www.geothermal.org.nz](http://www.geothermal.org.nz).

## GEA Events

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

Klamath Falls, Oregon will be the site of a workshop intended to promote two exciting growth areas for geothermal energy in the U.S. On August 12 the Geothermal Energy Association and the Oregon Institute of Technology's Geo-Heat Center will be holding a workshop focusing on direct heat and small power utilization. Pratt & Whitney Power Systems, maker of the PureCycle® Power System, is the Gold Level Sponsor of the event and the Oregon Department of Energy is a co-sponsor.

"This workshop will bring together -- for the first time ever -- those interested in using geothermal energy for distributed generation and direct heating purposes across the West," noted Karl Gawell, Executive Director of GEA. "New technology developments, state and federal laws and incentives, and growing concern about climate change are driving a strong growth trend in both areas," he added.

In the last few years, small power technology has been leading geothermal power production into several new states. Alaska, Florida, New Mexico, Oregon and Wyoming have each seen or will soon see geothermal power produced for the first time. In each of these cases the power is being used locally for distributed generation, and the geothermal power plants have capacities of less than one megawatt. In many states, special incentives are being offered for small, renewable power generation less than 10 MW.

OIT's Klamath Falls campus is a world-class example of both geothermal direct use heating and small power production. "Our 280 kW Pratt & Whitney power plant will be up and running by the time of the workshop," noted John Lund, Director of the OIT Geo-Heat Center. "This will be the first geothermal power generation in Oregon, and together with our geothermal heating systems OIT's campus will be a practical showcase for those interested in these technologies," he said.

The GEA-OIT Workshop is planned for August 12 in Klamath Falls, in addition OIT has organized a field trip for the following day. Registration for the August 12 Workshop is \$195 for the general public and \$95 for GEA Members, non-profit groups, government employees. Registration includes workshop materials, snacks, and lunch. Registration for the August 13 Field Trip is an additional \$75.

The Preliminary Agendas for the Workshop and Field Trip follows. For more information, or to register for the workshop or field trip, visit:

[http://www.geo-energy.org/workshops/GEO\\_Small\\_Power\\_Direct\\_Use\\_Workshop\\_Aug12.asp](http://www.geo-energy.org/workshops/GEO_Small_Power_Direct_Use_Workshop_Aug12.asp).

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

Every year, the Geothermal Energy Expo hosts the world's largest gathering of vendors providing support for geothermal resource exploration, characterization, development, production and management. It provides a unique opportunity for exhibitors to showcase their projects, equipment, services and state of the art technology to the geothermal community.

The Geothermal Energy Expo 2009 will be held at the Peppermill, Reno's premiere hotel and casino in Reno, Nevada. 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.

If you are interested in exhibiting at the Geothermal Energy Expo please act soon! Only 5 booth spaces remain.

For more information about the Geothermal Energy Expo, visit: <http://www.geo-energy.org>.

## **Other Events Available on GEA Web Site**

Upcoming Events listed in past weeks are now available on GEA's Web site.

- U.S. Marine Corps Energy Summit 2009, August 13 (Washington, DC)
- CanGEA Workshop, Investment Conference, and Networking Reception, September 9-10 (Toronto, Canada)
- Renewable Energy Indonesia 2009 Trade Show, October 14-17 (Jakarta, Indonesia)
- SMU Geothermal Conference, November 3-4 (Dallas, TX)

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

For details, see <http://geo-energy.org/publications/updates.asp#Events>.



***GEA Weekly Update***

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