

Geothermal Energy Weekly

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July 28, 2010

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



National News

House Passes Supplemental Appropriations Bill, Restores County Share of Geothermal Revenues for 2010

On July 27, the House passed H.R.4899, the Supplemental Appropriations Bill to support U.S. troops in Afghanistan and Iraq, which included various domestic provisions. Among these was a provision to reverse last year's appropriations bill rider that took away the county 25% share of geothermal revenues. The bill previously passed the Senate on July 22 and the President is now expected to sign it.

The provision on geothermal revenues states, "Notwithstanding any other provision of law, for fiscal year 2010 only, all funds received from sales, bonuses, royalties, and rentals under the Geothermal Steam Act of 1970 (30 U.S.C. §§ 1001 et seq.) shall be deposited in the Treasury, of which—(1) 50 percent shall be used by the Secretary of the Treasury to make payments to States within the boundaries of which the leased land and geothermal resources are located;(2) 25 percent shall be used by the Secretary of the Treasury to make payments to the counties within the boundaries of which the leased land or geothermal resources are located; and (3) 25 percent shall be deposited in miscellaneous receipts."

But, this legislation only restores the country share for FY 2010. Legislation to permanently restore the 25% county share has been introduced in the House and Senate. S. 2607 was introduced in the Senate by Senator Harry Reid (D-NV) and is cosponsored by Senators Boxer, Crapo, Ensign, Feinstein, Hatch and Risch. H.R. 4060 was introduced in the House by Rep. Mike Thompson (D-CA), and is cosponsored by Representatives Bishop, Chaffetz, Filner, Heller, Lummis, McKeon, Minnick, Rehberg, and Simpson.

In addition to restoring the county share, the Appropriations Bill provides \$34.7 billion to support US troops in Afghanistan and Iraq and provides non-military assistance to State Department Operations in Iraq, Afghanistan, and Pakistan. It allocates \$24 billion for employment of teachers, police, and firefighters during the recession, \$13 billion to Vietnam War veterans that have been exposed to Agent Orange, \$2.8 billion for Haiti relief, \$5.7 billion for PELL grants, \$677 million to strengthen the border, \$275 million for the Gulf oil spill, and \$725 million for other needs.

See <http://www.opencongress.org/bill/111-h4899/show>.

House Ways and Means Committee Releases Discussion Draft of Energy/Jobs Tax Bill

The House Ways and Means Committee Chairman Sander Levin (D-MI) has released a discussion draft of the energy/jobs tax bill, "The Domestic Manufacturing and Energy Jobs Act of 2010." The bill may be marked up in September and includes:

1. Extension and enhancement of Section 48C advanced manufacturing tax credit.
2. Extension of direct payment in lieu of production tax credit and investment tax credit program.
3. Investment tax credit for long-term projects involving geothermal and offshore wind energy facilities.

"As the world moves toward renewable energy and a greener economy, it is necessary to accelerate a new era of American manufacturing and innovation," Levin said in a statement. "With the U.S. government as a full, active and effective partner, the private sector can expand our green manufacturing capacity, ensuring that these jobs and products will be created in the U.S., competing globally and protecting our environment. The governments of other countries are racing ahead to dominate in this area.

"This is why the draft I am releasing today provides vital tax incentives to modernize U.S. manufacturing facilities and encourage demand of renewable energy and energy efficient products. We must not let this opportunity pass us by. I will continue to work with my colleagues in the House and Senate, as well the Administration, to enact legislation."

The draft appears to incorporate two key pieces of geothermal related legislation H.R. 4599 and H.R. 5612 both sponsored by Rep. Blumenauer (D-OR). HR 4599, the Renewable Energy Expansion Act, would allow taxpayers an election to receive a direct payment for investing in or producing specified energy property in lieu of existing energy tax credits through January 1, 2013. The legislation has 30 co-sponsors. H.R. 5612, the Geothermal Energy Investment Act of 2010, would extend through 2016 the 30% energy tax credit for investment in geothermal energy property. It has ten cosponsors. To see the full list of cosponsors of either bill, go to: <http://thomas.loc.gov/>

See <http://waysandmeans.house.gov/press/PRArticle.aspx?NewsID=11294>.

Senate Abandons Climate Effort, Focuses on Oil Spill Measure

Last week Senate Majority Leader Harry Reid (D-NV) announced Democrats in the Senate did not have the 60 votes needed to continue pursuit of comprehensive climate legislation before the August recess. He said the focus would turn to a more limited energy bill targeting the oil spill.

"We've always known from Day One that to pass comprehensive energy reform you've got to have 60 votes," he said. "As we stand here today we don't have one Republican vote." Efforts to cap carbon emissions in the electric power sector could resume in the fall.

Impending EPA regulations on carbon scheduled to take effect in January could require expensive equipment to be installed at thousands of power plants across the country and could be much stricter than legislation designed by Congress; however, this failed to convince senators to support legislation.

The Senate will take up a new bill focusing on BP's responsibility in the Gulf spill, with pressure to pass something before the August recess. The new bill will also address energy efficiency, incentives for natural gas vehicles, and will support land and water conservation.

But, that means top renewable community priorities -- extending renewable tax credits, or to establishing a national Renewable Energy Standard -- will have to wait for future legislation. The House Ways and Means Committee is already preparing to move on tax issues, possibly in September (see story below.)

See <http://www.eenews.net/climatewire/2010/07/23/1/>, <http://www.nytimes.com/cwire/2010/07/23/23climatewire-senate-abandons-climate-effort-dealing-blow-88864.html>, and <http://thehill.com/blogs/blog-briefing-room/news/110743-reid-renewable-electricity-mandate-lacks-60-votes>.

Utilities, Coops, and PUDs Speak to New Geothermal Players at GEA Conference

On July 22, over 130 participants joined the Geothermal Energy Association to explore the future of utility-scale geothermal power at an industry conference held in Las Vegas.

With geothermal production expanding to 15 states, many new utilities, coops and public utility districts are considering geothermal for the first time. This conference brought together those utility-scale players who are familiar with geothermal to discuss how they have achieved success with geothermal developers and companies.

Speakers presented to an audience filled to capacity. Sessions focused on approaches and challenges for utility-scale projects in the U.S., federal and state support for utilities and renewables, risk management, transmission issues, and more.

"It was great to see many new companies and new faces at the workshop," noted Karl Gawell, GEA's Executive Director. "I was once again impressed by the dynamic change and growth occurring in the geothermal industry, and the new approaches and roles for both public and private utilities in the geothermal community."

Mayor Declares Geothermal Energy Day in Las Vegas

Mayor Oscar B. Goodman of Las Vegas issued a Proclamation declaring July 22, 2010 to be Geothermal Energy Day in conjunction with the Geothermal Energy Association's "Geothermal Energy and Utilities, Co-ops and Public Power Workshop." The Proclamation reads:

Whereas; the Geothermal Energy Association (GEA) will be holding a one-day "Geothermal Energy and Utilities, Co-ops and Public Power Workshop" in Las Vegas that will explore the future of utility-scale geothermal power; and

Whereas; according to GEA's recent Update on Geothermal Power Production and Development, Nevada is already a leader in geothermal power production; and

Whereas; with the abundant geothermal resource that Nevada boasts, the state has the opportunity to build an even more extensive geothermal power portfolio; and

Whereas; the growth of the geothermal industry in Nevada has been a sparkling examples of how developers can harness this resource at a large scale and make it an extremely attractive option for utilities. Geothermal is also the perfect option for utilities interested in green power; and

Whereas; GEA is a trade association composed of U.S. companies who support the expanded use of geothermal energy and are developing geothermal resources worldwide for electrical power generation and direct-heat uses; now

Therefore; I, the Mayor of the City of Las Vegas, County of Clark, State of Nevada, hereby proudly proclaim July 22, 2010 to be: Geothermal Energy Day in the City of Las Vegas and ask all citizens to welcome the attendees of this important workshop.

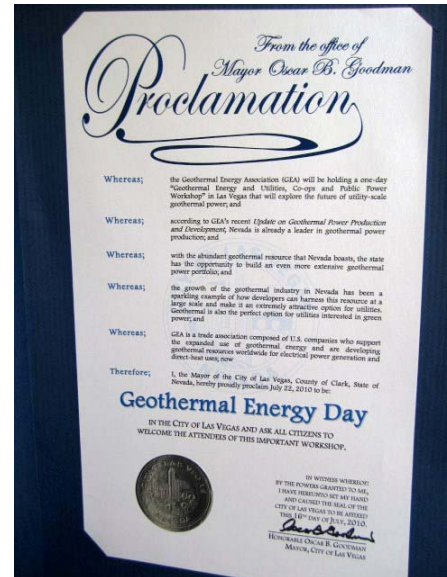
Congress Begins Action on FY 2011 DOE Geothermal Funding

On July 22, the Senate Appropriations Committee acted on its FY 2011 Energy and Water Appropriations Bill, which sets funding level and direction for DOE renewable energy programs. The Committee approved a report, Senate Report 111-228, which provides the details. For the DOE Geothermal Technologies Program the Committee stipulates:

"The recommendation for geothermal technology is \$55,000,000, the same as the administration's request. The Committee directs the Department to make not less than \$5,000,000 available to continue development and deployment of low-temperature geothermal systems. Together, the funding provided through the American Recovery and Reinvestment Act [ARRA] and the fiscal year 2010 and fiscal year 2011 appropriations bills reflect the Committee's intent to fund the full range of activities authorized by Congress in 2007 in subtitle B of Public Law 110-140. The Committee expects that in future years the Department will request funding for a broad based program, and not just Enhanced Geothermal System activities. The Committee also requests that the Department provide the Committee with a copy of its report required by section 621 of Public Law 110-140 evaluating the Department's progress implementing the geothermal provisions of Public Law 110-140 and evaluating additional advanced concepts and technologies to maximize the geothermal resource potential of the United States."

On July 15, the House Appropriations Subcommittee on Energy and Water voted on its bill and report, but the details of the Subcommittee's action have not been made public. Normally appropriations bill details are not released until the full Committee votes on the legislation, which has yet to be scheduled.

Once the House and Senate act on their versions of the bill, any differences in funding or direction will need to be reconciled in future legislation. Some broad documents and a list of earmarks from the Subcommittee are



available at: http://appropriations.house.gov/index.php?option=com_content&view=article&id=694:fy11-ew-appropriations-&catid=29:energy-and-water&Itemid=134&Itemid=4.



Company News

Capricorn: Caldera Geothermal Inc. to Undertake \$5 Million Private Placement

Press Release, July 26 -- Capricorn Business Acquisitions Inc. ("Capricorn") , a capital pool company, is pleased to convey the announcement by Caldera Geothermal Inc ("Caldera") that Caldera intends to complete a best-efforts brokered private placement (the "Offering") for up to \$5 Million, on a subscription receipts basis. The Offering consists of up to 14,285,715 units ("Units") at a price of \$0.35 per Unit with each Unit consisting of one common share of Caldera and one half of one warrant, each whole warrant exercisable into one common share of Caldera at \$0.45 for a period of two years from the date of issuance. Capricorn and Caldera have signed a binding letter of intent to complete a Qualifying Transaction as disclosed in a press release dated April 8, 2010.

A syndicate of investment dealers and exempt market dealers (collectively, the "Agents") led by Versant Partners Inc. and including Canaccord Genuity Corp., Wellington West Capital Markets Inc., and Foundation Markets Inc., will place the Offering. The Agents will be paid a cash commission equal to 7.0% of the gross proceeds of the Offering, and in addition, the Agents will receive broker warrants in the amount equal to 7.0% of the number of Units issued in the Offering, each such broker warrant exercisable into one common share of Caldera at a price of \$0.35 per common share for a period of two years from the date of issuance.

Proceeds from the Offering will be held in trust and released to Caldera only upon the closing of the Qualifying Transaction, and will be used to advance the Company's portfolio of 8 development projects consisting of 26,247 acres of geothermal leases in Nevada, including the McGee Mountain and Teels Marsh properties, for the acquisition of additional geothermal properties at BLM auctions or through private transactions, and for general corporate purposes.

See http://www.marketwatch.com/story/capricorn-announces-caldera-geothermal-inc-to-undertake-5-million-private-placement-2010-07-26-95290?reflink=MW_news_stmp.

GeoGlobal Energy: Key Additions Made to Technical Team

Press Release, July 26 — GeoGlobal Energy LLC (GGE), a geothermal investment and development company, is pleased to announce the recent addition of three highly respected geothermal professionals to its technical team. Bob Swanson has joined the company as drilling manager, Jim Stimac has joined as senior geologist, and Paula Blaydes has joined as director of environmental permitting & governmental affairs. Mr. Swanson, Dr. Stimac, and Ms. Blaydes are based in GGE's Santa Rosa, Calif. office.

A. Michael Van Vleck, GGE's president, commented "The addition of Bob Swanson, Jim Stimac, and Paula Blaydes, three of the top professionals in their respective fields, is central to GGE's strategy to build the premiere geothermal company with top-tier talent to execute our ambitious growth plan. GGE's strategy is to employ the top talent in the industry using our well-funded capital base to develop world class geothermal resources in mature power markets. We are very pleased to have Bob, Jim, and Paula on the GeoGlobal team."

Swanson brings 20 years of experience in the geothermal and oil industry. He has an expertise in the creation and management of resource verification programs, both domestic and foreign. Swanson joins GGE from ThermaSource, one of the largest geothermal service companies in the United States, where he served as vice president of drilling engineering services. Prior to ThermaSource, he worked for 16 years at Unocal and Chevron. He has managed geothermal programs in the United States, Philippines, Indonesia, and the Middle East. At GGE, Swanson will oversee all drilling activities at the company's recent discovery at Tolhuaca, Chile. He will also provide support at four other Chilean prospect areas, as well as GGE's U.S. projects. Swanson has a B.S. in geophysics from the University of Minnesota, Institute of Technology and a M.S. in petroleum engineering from the New Mexico Institute of Mining and Technology.

Stimac brings 20 years of experience in the geothermal industry. He is joining GGE from Chevron's Geothermal Division, where he was responsible for geoscience project management at the Salak (377 MW) geothermal field in Indonesia. Prior to Chevron, Stimac worked for Unocal, managing all geoscience activities for the Tiwi (330 MW) and Bulalo (426 MW) geothermal fields in the Philippines, and conducting geothermal exploration in Central America. He has also worked at Los Alamos National Labs and taught geology and geochemistry at Queen's University in Ontario. Stimac will provide geologic and modeling support for the 49.9 MW Hudson Ranch I project, for which GGE is a part owner and provided equity financing. Stimac has a B.S. in geology from the University of Michigan, a M.S. in geology from the University of Texas at Austin, and a Ph.D. in geology and volcanology from Queen's University.

Blaydes, who joined GGE in November 2009, has worked on geothermal projects throughout the United States and abroad, and has more than 30 years of experience in environmental permitting, project development, and legislative and governmental affairs. She has permitted 10 geothermal power plants in the state of California on private and federally owned lands. In 2007, she authored the California Geothermal Permitting Guide for the California Energy Commission, the primary guide for power generation and direct use projects throughout the state. Most recently Blaydes was a vice president at Western GeoPower, Inc., where she permitted the first new power plant at The Geysers, California in 21 years in less than 12 months. Blaydes has a B.A. in environmental studies and land use planning from Sonoma State University. She is a board member of the Geysers Geothermal Association and is a former vice president/executive board member of the Geothermal Resources Council. See <http://www.prnewswire.com/news-releases/geoglobal-energy-makes-key-additions-to-technical-team-99230464.html>.



Renewable Energy and Climate Change

Geothermal Potential Identified on Department of Defense Lands

The Department of Defense is joining the Energy, Interior, and Agriculture departments in commitment to renewable energy. The Army Corps of Engineers has identified 2 million acres of DOD land capable of producing conventional geothermal energy and has also identified hundreds of oil and gas wells which offer coproduction potential. The latter has been found in Mississippi, Texas, Louisiana and Alabama.

The total output estimate on DOD lands is nearly 926 Gigawatts of potential geothermal energy. Power generated beyond what is needed for DOD purposes can be sold to utilities for additional revenue.

See <http://www.energyboom.com/geothermal/department-defense-sitting-geothermal-gold-mine> and <http://www.azocleantech.com/details.asp?newsID=11263>.

Veto Likely on Bills Blocking EPA Greenhouse Gas Regulations

From Sustainable Energy Coalition/SUN DAY Campaign: Coal-state Democrats, led by Sen. Jay Rockefeller (WV), Reps. Rick Boucher (VA) and Nick Rahall (WV), are trying to limit the federal government's ability to control greenhouse gases from power plants through legislation to block the Environmental Protection Agency's authority for two years. Rockefeller's bill is expected to reach the Senate floor at some point this year. However, President Barack Obama likely would veto legislation suspending the EPA's plans to write new climate change rules. EPA already has promulgated climate rules for motor vehicles, the result of closed-door negotiations with the auto industry, environmentalists and California officials. Next up are rules due early next year dealing with coal-fired power plants. A number of other petitions from states and environmentalists are on EPA's doorstep that press for climate-focused limits on petroleum refiners and other major industrial sources. State and industry-driven lawsuits are in the works to block EPA's efforts.

See <http://www.politico.com/news/stories/0710/40174.html>.

Energy Officials Pledge Support for Clean Energy Initiatives

A two-day meeting in Washington, DC, between senior energy officials of the United States and 23 other nations resulted in 11 energy efficiency and renewable energy initiatives and pledges of hundreds of millions of dollars toward the projects.

The United States, the United Kingdom, Japan, Russia and 20 other countries representing 80% of the world's gross domestic product and 70% of greenhouse gas emissions participated in the first-ever Clean Energy Ministerial and will work collaboratively. Some of the projects include electric vehicles, smart grids, and energy-efficient household appliances. U.S. Energy Secretary Steven Chu said the initiatives agreed upon would eliminate the need for over 500 mid-sized power plants globally over the next 20 years.

The U.S. pledged \$10 million in the first year. The United Arab Emirates will host a follow-up meeting in early 2011, with Britain to hold a third meeting.

See <http://www.nytimes.com/qwire/2010/07/20/20greenwire-energy-ministers-endorse-clean-tech-measures-b-89532.html> and <http://www.energy.gov/news/9233.htm>.



State News

Idaho: Increased Geothermal Revenue Could Mean Money for Schools

Idaho has received 80 applications for geothermal leases on state lands in the past month and a half, according to the *Spokesman-Review*, and is now structuring its lease rules to eventually benefit schools. Last week, the Idaho State Land Board voted unanimously to declare the entire southern half of the state as a known geothermal resource area. This follows legislation passed two years ago to promote renewable energy development on state-endowed lands.

The 13-MW Raft River plant, the state's first commercial geothermal power-generating plant, has been operating for two years, with an expansion in the works.

State Superintendent of Schools Tom Luna commented that in a similar plan, Wyoming found funding for its schools from oil and gas revenues. "You could hit the natural resource lottery like Wyoming – look what they've done for their education system," he said.

See <http://www.spokesman.com/stories/2010/jul/25/tapping-hot-water-may-boost-school-aid/>.

Nevada: NV Energy Integrated Resource Plan Gets Early Approval

A draft order approves NV Energy's integrated-resource plan for future power as Public Utilities Commission Chairman Sam Thompson calls for extensive oversight of the Advanced Service Delivery smart-meter program.

The power company's plans for obtaining and financing electricity over the next two decades include the \$301 million smart-meter system, renewable-energy power-purchase agreements, and a \$510 million transmission line that will link its northern and southern power grids.

Thompson's order noted eight areas of concern on the smart-meter system. These include whether the technology is mature and reliable; whether consumers will embrace smart meters; whether NV Energy has effective customer-privacy and cyber-security protections; how to ensure smart meters don't erode consumer protections; and the order included an evaluation of cost and budget risks.

Renewable energy power purchase agreements submitted and approved with the draft order include SolarReserve's Crescent Dunes solar-thermal plant and Ram Power Corp.'s Clayton Valley geothermal project in Tonopah; NextLight Renewable Power's Silver State Solar photovoltaic plant in Primm; WMNRE's landfill-gas recovery operation in Lovelock; Pattern Energy Group's Spring Valley Wind farm in eastern Nevada; and Ormat's McGinness Hills and Hot Sulphur Springs 2 geothermal plants in Northern Nevada.

See http://www.tradingmarkets.com/news/stock-alert/nve_utilities-nv-energy-s-plan-for-future-power-gets-early-approval-official-notes-areas-of-concern-fo-1061988.html.

Nevada: Churchill County Impeded by Redirected Geothermal Revenues

An article on rgj.com follows the change initiated ten months ago to divert counties' share of geothermal royalties to the U.S. Interior Department.* The request was made in the department's annual budget request to Congress and affected at least six states, including Nevada and California. Legislation was introduced in March that would return the funds to the counties, but was attached to a bill that failed to pass.

Churchill County Manager Brad Goetsch weighed in on the effects of the oversight. "It gives away a huge amount of revenue for the counties at a time when we need those revenues," he said. "It's devastating for the rural counties in Nevada."

According to Bureau of Land Management and Minerals Management Service records, Churchill made more money in geothermal rents and royalties since 2007 than any other county in the nation. It has seen an average of \$200,000 a year from geothermal energy rent and royalties, and much more after BLM lease auctions.

See <http://www.rgj.com/article/20100725/NEWS/7250332/1321/news>.

*Note: House passes supplemental appropriations bill, restores county share of geothermal revenues. See National News for story.



International News

Australia: Prime Minister Launches Labor's Climate Policy

Last week Prime Minister Julia Gillard unveiled her climate change policy, vowing to draft tough new lower-emissions standards on dirty coal-fired power stations, provide \$1 billion over 10 years to rebuild the nation's power grid, and provide \$100 million for renewable energy development companies. The plan would help solar power and geothermal energy industries

Gillard confirmed she would appoint 150 people to a year-long citizens' assembly guided by a climate commission of experts to build a consensus on climate change. She said in 2012 Labor would look at whether to introduce a carbon price on per-ton emissions from big polluters.

See <http://news.smh.com.au/breaking-news-national/alp-to-launch-climate-policy-friday-20100722-10mrv.html> and <http://www.theaustralian.com.au/national-affairs/critics-hot-over-climate-spin/story-fn59niix-1225896320702>.

Iceland: Magma's Purchase of HS Orka Disputed by Icelandic Government

By Nanna Baldvinsdottir

The Icelandic government wants to reverse the privatization of HS Orka and ensure through legislation that Icelandic energy companies are controlled by public entities. The Prime Minister and Minister of Finance made this announcement in a press conference yesterday following Magma Energy's purchase of 55.34% in HS Orka's shares from Geysir Green Energy which is to be finalized on Saturday. Magma previously held 43.19%. Magma's entry into HS Orka has been controversial amongst the Icelandic public and created a clash between the two governing political parties. The legality of the recent purchase has been disputed because according to European law, companies operating in the European energy sector must be based in Europe. Magma Energy set up a Swedish subsidiary to hold the HS Orka shares, which Magma asserts was done at the recommendation of the Icelandic Ministry of Industry. The Prime Minister stated in yesterday's press conference that the entire privatization process will be investigated by a special committee and that any means available will be taken into consideration to ensure the public control of Icelandic natural resources, including nationalization. Magma is expected to announce their position shortly.

Indonesia: NYT Article Features Nation's Geothermal Potential

A *New York Times* article features Indonesia's 28,100 MW of potential geothermal output over the next 30 years, compared to its current output of 1,200 MW. President Susilo Bambang Yudhoyono has voiced a goal of 9,500 MW by 2025, about 5% of the country's total requirements.

Indonesia hosted the 2010 World Geothermal Congress, a way to invite increased foreign investment. "The Congress was a way of introducing Indonesia to the world and saying, 'We're open for business,'" said Ted Saeger, energy and natural resources officer at the U.S. Embassy in Jakarta. About \$5 billion in geothermal-related contracts were signed at the opening of the conference.

"Over the last year there has been a lot of policy movement to get the investment climate in shape for foreigners to come in," Saeger told press. "But key barriers remain," he added, including "a confusing tendering process and land acquisition problems."

After the congress, U.S. commerce secretary Gary Locke led representatives from 10 companies interested in developing geothermal in Indonesia on a trade mission to the nation. And in March the World Bank's Clean Technology Fund pledged \$400 million. An exploration risk mitigation fund for geothermal is in the works, and tax incentives are offered to investors in renewable energies.

"I'm encouraged by Indonesian officials' desire to get the policy right, but we'll have to see if they can overcome the obstacles," Saeger said.

See http://www.nytimes.com/2010/07/27/business/global/27iht-renindo.html?_r=1&src=busln.

Philippines: DOE Reopens Geothermal Project at Bulusan Volcano

The Philippines' Department of Energy has awarded exploration of geothermal potential around Bulusan Volcano to SKI Construction Group. Geothermal Energy Management Division head Ariel Fronda told press the once-shelved project is being pursued as the government steps up renewable energy efforts.

The project aims to generate at least 4 MW. Exploration is expected to take from six months up to two years; construction and commissioning of the plant would take another three years.

Frona met with Governor Raul Lee and other local officials regarding the project, which would cover 26,000 hectares of the national park and was originally abandoned in the 1980s after resistance from the community. Lee said energy officials must provide thorough explanation of environmental aspects to address community concerns.

Juban Mayor Jimmy Fragata, a geologist with the Energy Development Corporation explained that geothermal exploration is now highly modernized, has minimal environmental effect, and would mean cheaper electricity costs.

Eduardo Laguerta, resident volcanologist of the Philippine Institute of Volcanology and Seismology said at the meeting that geothermal exploration around Bulusan Volcano could safely be done away from any danger areas. See <http://www.voxbikol.com/bikolnews/4751/doe-revives-sorsogon-geothermal-project>.

Philippines: EDC H1 Net Income Soars

Press Release, July 23 — Combined power plant operations continue to boost financial performance of geothermal leader Energy Development Corporation (EDC) as it posted a 113.7 percent increase in its income for the first six months of the year. The company earned PhP5.74 billion for the first half of 2010, more than double the PhP2.69 billion registered for the same period in 2009.

Of its different subsidiaries, First Gen Hydro, operator of the 122.5-MW Pantabangan-Masiway hydroelectric plants contributed PhP 1.06 billion to the total net income for the first half. Income from the 106-MW Mindanao geothermal plants improved to PhP436.4 million from PhP343.2 million with the elimination of BOT fees after the turnover to EDC in June last year. However, as a stand-alone entity, Green Core Geothermal, Inc. (GCGI) which operates the 305-MW Tongonan 1 and Palinpinon power plants reported a net loss of PhP0.26 billion.

"The successful acquisition of NPC-owned geothermal power plants is an integral component of our forward integration growth strategy. Despite investor concerns on the immediate impact of loss steam revenues for the

Bacman acquisition, EDC's purchase of the power plant remains to be value-enhancing for the company," EDC President and COO Richard Tantoco explained.

EDC submitted the highest complying bid for PSALM's auction of the 150-MW Bacman plants last April. It has programmed the rehabilitation of the plants to bring them back to full capacity within 18 to 24 months.

"Complementary to this is our initiative to strengthen our balance sheet by redenominating our loans and smoothing out lumpy maturities. We are confident that we can sustain this momentum for the balance of the year with the continued seamless integration of the newly acquired plants with their fuel source – steamfields that we have been operating for the past three decades," Tantoco said.

The company's core net income also increased by 89.2 percent to PhP4.85 billion from PhP2.57 billion.

See <http://www.energy.com.ph/c/news/>.

Philippines: Leyte Geothermal Privatization Postponed

The Power Sector Assets and Liabilities Management Corp. (PSALM) has postponed privatization of the contracted capacity for the Unified Leyte geothermal complex following requests from investors for time to review and study the terms. Aboitiz Power Corp., Pacifica Inc., and First Gen Corp. have shown interest in the contracts. A new bidding date has not yet been announced.

Energy Development operates the geothermal plants in the complex — the 125-MW Upper Mahiao plant, the 232-MW Malitbog and 180-MW Mahanagdong plants, and the 51-MW Optimization plants.

See <http://www.gmanews.tv/story/197198/psalm-postpones-leyte-geothermal-privatization>.

Saint Lucia: Qualibou Energy Announces Geothermal Power Project

Qualibou Energy, Inc. has entered an agreement with the Government of St. Lucia to develop and deliver power from geothermal resources. Hot springs, steam fumaroles and boiling mud pools in the Sulphur Springs area have been extensively explored since the mid 1970's; nine wells have been drilled.

"Production drilling plans are underway and a drilling schedule will be announced in the near future," said Stephen Baker, President and CEO of Qualibou in a statement. He added that St. Lucia has a proven 30 MW of reserves and a probably 140 MW of additional reserves. The project will develop an initial 15 MW and is expected to be expanded to 120 MW.

See http://www.marketwatch.com/story/qualibou-energy-announces-caribbean-geothermal-power-project-2010-07-22?reflink=MW_news_stmp.



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



Notices

New This Week

Los Angeles Department of Water and Power Integrated Resource Plan Open for Comment

The Los Angeles Department of Water and Power (LADWP) Draft 2010 Integrated Resource Plan (Draft 2010 IRP) is now out and open for comment. The draft is designed to provide a 20-year for ensuring Las Angeles energy needs are met and follow regulatory requirements and environmental policy goals. The Draft 2010 IRP adheres to the following objectives:

- * Reliability of the Power System
- * Regulatory compliance
- * Environmental stewardship, including pursuing renewable energy resources

* Maintaining low and stable rates

For related documents and workshops visit <http://www.lapowerplan.org/>.

Current Notices

Call for Abstracts: Renewable Energy World Conference (August 6)

The Geothermal Energy Association is a partner and supporting association for the Renewable Energy World Conference & Expo North America, to be held March 8-10, 2011 in Tampa, FL and now draws your attention to the conference call for abstracts - due on August 6. This opportunity ensures geothermal sector visibility alongside other renewables.

GEA participates on the steering committee, conference planning, a networking breakfast, and the Geothermal Track sessions.

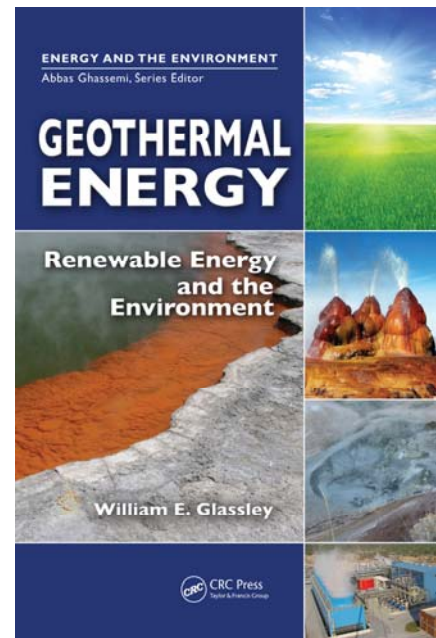
In 2010, the event featured over 30 educational conference sessions in 8 technical tracks covering Biomass, Policy Market & Finance, Solar, Utility Integration, Wind Power, Geothermal, and Hydro. There were three geothermal conference sessions: Technology and Applications; Resource Development and Investment; and Markets, Trends and Policies. Twelve GEA member companies exhibited in the Expo Hall, and many other companies representing aspects of the geothermal industry were present. GEA also maintained a booth space with educational materials and facilitated networking.

If you submit an abstract let us know and we will keep an eye out for your submission. Abstracts are now submitted online at www.renewableenergyworld-events.com.

Questions or submission problems: Call +1-918-831-9736 or email rewna-conference@pennwell.com.

New Book Provides Case Studies on Geothermal Energy Topics

A new book on geothermal energy, entitled *Geothermal Energy: Renewable Energy and the Environment* has just been released by CRC Press. The author is William E. Glassley, who is with The Energy Institute, University of California, Davis. Initial chapters deal with the physics of heat generation and heat transfer, thermodynamics, hydrology, geochemistry and basic earth sciences, providing a rigorous introduction to the principles that determine the characteristics of geothermal resources. Subsequent chapters deal with resource exploration and assessments, drilling, power generation, direct use applications and heat pumps. The book concludes with chapters that consider environmental issues, the economics of geothermal applications and project development guidelines, and potential future developments that could affect geothermal energy availability. Real world examples are used throughout the book to demonstrate key processes and considerations. Case studies conclude each chapter, along with extensive references and links to useful internet sites. Problem sets are included for each chapter and a teaching guide is also available. (CRC Press, Taylor and Francis Group, 311 pages, approximately 20 color plates and 150 figures, \$119.95. ISBN 9781420075700).



Colorado Geothermal Working Group Presentations Posted on New Group Site

Presentations from the May 27 Geothermal Working Group meeting at the Denver Museum of Nature and Science are now posted at a new group site called Geothermal Energy in Colorado:

<http://coloradogeothermal.groupsites.com/>. By joining and participating in this site you will have access to geothermal resources, notices and communications, and networking opportunities. All members can post

geothermal events to a calendar, join a forum for discussions, and access an index for finding contacts and resources.

Geothermal Power Plant Technician Program in Iceland

From the Keilir Institute of Technology: Recent developments within the technologies of geothermal power plants have led the expansion of technical training in Iceland to cope with the demand for technicians. The Geothermal Power Plant Technician course at the Keilir Institute of Technology is set to address the growing need for skilled geothermal power plant technicians as well as health, safety and environmental issues.

The Geothermal Power Plant Technician course at Keilir is split into two separate programs, which are then spread across two years. The first year is an Associate of Applied Science Degree (worth 60 ECTS), where students receive hands-on training in running and maintaining power plants. The second year is an Associate of Science Degree (also worth 60 ECTS), which is more focused on the academic methods and techniques used for planning daily operations, maintenance and purchasing equipment/spare parts – the combination of the two results in a total of 120 ECTS.

Students will show a great deal of initiative, implement improvements and perform follow-up actions throughout the program. Students will also be trained with a ‘sense of ownership’ towards running, operating and maintaining geothermal power plants. This will of course be beneficial towards the impact of long-term employment opportunities.

In addition, students will learn how to significantly reduce maintenance costs through specialized training, without the need for a manufacturer’s service. The Geothermal Power Plant Technician Program is available from September 2011 at the Keilir Institute of Technology in Keflavik, Iceland.

To find out more regarding geothermal power in Iceland, the course and Keilir visit: <http://en.keilir.net> or contact Arnbjorn Olafsson, Department Manager at Keilir Institute of Technology.

California Transmission Planning Group Releases Phase 2 Study Plan

The 2010 CTPG Phase 2 Study Plan incorporates “comments and recommendations of many stakeholders and entities with roles in the planning, development, and implementation of transmission facilities, most notably the California Renewable Energy Transmission Initiative and the State’s principal energy agencies,” states the report.

“As more resource procurement scenarios become available and clearer, CTPG envisions that the transmission plans it develops will require additional reviews and further studies to reflect such updated scenarios as well as other relevant updates, including renewable resource development progress and changes in circumstances or regulations.”

The report is available at http://www.ctpg.us/public/images/stories/downloads/2010-05-07_final_phase_2_ctpg_study_report.pdf.



Employment

Employment Opportunities

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

GIS Specialist, Nevada Geothermal Power, Reno, NV

Please send resumes to careers@nevadageothermal.com

Vice President Geology, Western US

Please send resumes to Bstevens@stmassociates.com

Geothermal Openings, NREL, Boulder, CO

Go to http://www.nrel.gov/employment/job_openings.html and search "geothermal"

Drilling Manager, NV

Contact:

Andrew Matkovic / Vice President Clean Tech & Energy
(216) 539-7668 or andrewmatkovic@carmongroup.com

Geophysicist, Calpine, The Geysers, CA

To apply online, see

https://www.hrapply.com/calpine/AppJobView.jsp?link=3645&page=AppJobList.jsp&skimSessionName=com.hrlogix.view.cont.app.JobListTable&skimName=requisition.requisition_id&skimNdx=4&op=reset.

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

Please contact:

Vanessa Van Dyk at Idaho National Laboratory: Vanessa.VanDyk@inl.gov, 208-526-6325

OR apply on line at: www.inl.gov/careers

Project Manager

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

Project Manager Geothermal Exploration, Europe

Contact: droberts@penderfinancial.com



Requests for Proposals**Closing This Week****Renewables, Arizona (July 29)**

The Salt River Project Agricultural and Improvement District seeks to add up to a total of 50 megawatts of ground mounted PV capacity in the third quarter of 2012 and up to an additional 50 MW in the third quarter of 2013. Individual projects that have a capacity of between 5 and 20 MW are preferred. Responses due 7/29/10. For more info, contact pvrfp@srpnet.com or go to: <http://www.srpnet.com/environment/solar/solarpvrfp.aspx>. (Green Power Network 6/10/10)

Tribal Climate Change Planning, EPA (July 30)

The U.S. Environmental Protection Agency requests proposals for Facilitating Tribal Climate Change Adaptation Planning and Communicating Climate Change Impacts. Projects must address environmental justice issues and concerns. \$550K expected to be available, up to 3 awards anticipated. Responses due 7/30/10. For more info, contact Kevin Rosseel at (202) 343-9731 or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-CCD-10-09. (Grants.gov 6/18/10)

Climate Change TA, Washington and Oregon BLM (July 30)

The U.S. Department of the Interior, Oregon/Washington Bureau of Land Management, request proposals for work to synthesize existing models and climate predictions for the Pacific Northwest, synthesize and summarize global model outputs for temperature and precipitation in WA and OR, and to support to ongoing dynamical downscaling climate prediction efforts. \$150K expected to be available, 1 award anticipated. Responses due 7/30/10. For more info, contact Teresa Spickerman at teresa_e_spickerman@blm.gov or go to:

<http://www.grants.gov/search/search.do?mode=VIEW&opId=55563>. Refer to Sol# L10AS00156. (Grants.gov 6/30/10)

Added This Week

Works Procurement Notice, Drilling Of Geothermal Wells in Roseau Valley, Commonwealth of Dominica (October 25)

The Government of the Commonwealth of Dominica through the Ministry of Public Works Energy and Ports – Geothermal Project Management Unit, intends to procure the services of a drilling contractor to drill at least three geothermal wells in the Wotten Waven / Laudat area. The objective of the project is to prove the existence of high enthalpy geothermal resource suitable for commercial generation of electric power and to determine the capacity for sustainable exploitation. Services to be provided by the contractor include mobilization and demobilization of the drilling rig and associated equipment, drilling of at least three wells, provision of cementing, drill-pipe inspection, and vertical drilling expertise. The provision of drilling mud and related additives and well testing services will also be required. Deadline is 9:00am Eastern Caribbean Time on October 25, 2010.

Attendance at an information meeting and site visit on August 17, 2010, at 09:00 am is strongly recommended. Contact the Project Mangement Unit, Ministry of Public Works, Energy and Ports, Government Headquarters Roseau. Telephone : (767) 266- 3616/8/; 266 -3294/3296 Fax: (767) 448-0182. Email: pmu.geotheremal@gmail.com; geothermal@dominica.gov.dm.

Send questions in writing to geothermal@dominica.gov.dm and c/o The Project Co-ordinator, Geothermal Project Management Unit, Ministry of Public Works, Energy & Ports, 3rd Floor Government Headquarters, Roseau, Commonwealth of Dominica, mentioning the publication reference (EuropeAid/130061/D/WKS/DM) at least 21 days before the deadline for submission of tenders. The Contracting Authority must reply to all tenderers' questions at least 11 days before the deadline for submission of tenders. Eventual clarifications or minor changes to the tender dossier will be published at the latest 11 days before the submission deadline on the EuropeAid website at <https://webgate.ec.europa.eu/europeaid/online-services/index.cfm?do=publi.welcome>.

RFP Announcements

Power Forecast, Haiti, TDA

The U.S. Trade and Development Agency announces its intent to request proposals to provide technical assistance to forecast future power demand in Haiti and assist governmental and private sector entities in Haiti in developing a strategy to generate, transmit and distribute power to both urban and rural areas, to encourage Haiti's recovery from the disastrous earthquake and to fuel economic growth. The assistance will include the identification, assessment and quantification of renewable energy options such as wind, solar and biomass. \$800K expected to be available. For more info, contact Jason Bell at jbelle@ustda.gov or go to: https://www.fbo.gov/?s=opportunity&mode=form&id=381bf13f574e4baee474468a6f994556&tab=core&_cview=0. Refer to Sol# CO2010510006. (FBO 6/5/10)

State Energy Program, U.S. DOE (August 3)

The U.S. Department of Energy requests proposals for the State Energy Program (SEP). This formula grant program provides support to states and territories, for the design and implementation of energy efficiency and renewable energy priorities. Lead applicant must be the state or territorial energy office administering the annual SEP. \$25 million expected to be available, up to 56 awards anticipated. Due date range 5/18 – 8/3/10. For more info, contact Sheldon Funk at sheldon.funk@netl.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000308&agency=DOE>. Refer to Sol# DE-FOA-0000308. (Grants.gov 3/26/10)

Greenhouse Gas Reporting Systems, EPA (August 9)

The U.S. Environmental Protection Agency requests proposals for the Greenhouse Gas (GHG) Reporting Systems: Outreach to Reporting Facilities and Analysis of Greenhouse Gas Mitigation Opportunities. This RFP

will support work to communicate to affected facilities the requirements of state GHG reporting systems as compared to those of U.S. EPA's Final Mandatory Reporting of Greenhouse Gases Rule, and to identify options for how the data collected through state reporting requirements and the MRR may be used to facilitate state- and facility-based GHG programs. \$2 million expected to be available, up to 20 awards anticipated. A Notice of Intent to apply is requested, but not required, and is due 7/19/10. Final proposals due 8/9/10. For more info, contact Cate Hight at hight.cate@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-CCD-10-05. (Grants.gov 6/29/10)

Rural Cooperative Development, DOA (August 9)

The U.S. Department of Agriculture requests proposals for the Rural Cooperative Development Grant Program. This program supports the establishment and operation of cooperative development centers for the primary purpose of improving the economic condition of rural areas. Areas of interest include but are not limited to: Renewable energy generation, energy conservation, and/or climate change adaptation or mitigation as strategies for quality job creation; Innovative utilization of natural resources as a strategy to expand business opportunities; and local and regional food systems as a strategy for encouraging production agriculture and related industries in new wealth creation. \$7.9 million expected to be available, up to 30 awards anticipated. Responses due 8/9/10. For more info, contact cpgrants@wdc.usda.gov or go to: <http://www.rurdev.usda.gov/rbs/coops/rcdg/rcdg.htm>. Please note that this RFP was posted under Sol# RDBCP-10-02-RCDG and Sol# RDBCP-10-03-RCDG; it is unclear which Sol# is correct. (Grants.gov 6/29/10)

Sustainable Communities, HUD (August 23)

The U.S. Department of Housing & Urban Development requests proposals for the Sustainable Communities Regional Planning Grant Program. This program will support metropolitan and multijurisdictional planning efforts that integrate housing, land use, economic and workforce development, transportation, and infrastructure investments in a manner that empowers jurisdictions to consider the interdependent challenges of: 1) Economic competitiveness and revitalization; 2) Social equity, inclusion, and access to opportunity; 3) Energy use and climate change; and 4) Public health and environmental impacts. \$98 million expected to be available, award range \$100K to \$5 million. Responses due 8/23/10. For more info, contact sustainablecommunities@hud.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=55456>. Refer to Sol# FR-5396-N-03. (Grants.gov 6/24/10)

Community Environmental Demonstration Projects – Alaska (September 9)

The Alaska Native Tribal Health Consortium and RurAL CAP request proposals for Community Environmental Demonstration Projects. This initiative will support innovative projects that address approaches for enhancing human health and the environment of Tribal communities in rural Alaska. Areas of interest for demonstration projects include, but are not limited to: Climate change, indoor air quality, solid waste management, recycling, outreach materials, energy use, and pollution. \$200K expected to be available, up to 12 awards anticipated. Responses due 9/9/10. For more info, contact Desirae Roehl at droehl@anthc.org or go to: <http://www.anthc.org/chs/ces/hve/fy11solicitation.cfm>.

Greenhouse Gas Mitigation, Indonesia (September 15)

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

Black Carbon, Climate and Air Quality (September 22)

The U.S. Environmental Protection Agency requests proposals for Black Carbon's Role in Global to Local Scale Climate and Air Quality. This RFP will support areas including but not limited to: Emission source research, the global to local scale emissions inventory, and co-pollutants. This RFP will also support opportunities for early career projects. \$7 million expected to be available, up to 9 awards anticipated. Responses due 9/22/10. For more info, contact Bryan Bloomer at bloomer.bryan@epa.gov or go to:

http://www.epa.gov/ncer/rfa/2010/2010_star_blackcarbon.html. Refer to Sol# EPA-G2010-STAR-L1 and EPA-G2010-STAR-L2. (Grants.gov 5/19/10)

Environmental Scientist Award, Health and Human Services (September 30)

The U.S. Department of Health & Human Services, National Institutes of Health, requests proposals for the Outstanding New Environmental Scientist Award. This RFP will support early stage investigators committed to research in problems related to environmental exposures. Examples of relevant toxicants include, but are not limited to: Industrial chemicals or manufacturing byproducts, pesticides, air pollutants and other inhaled particulates. \$3.6 million expected to be available, up to 6 awards anticipated. Letters of Intent are required and are due 9/30/10, final proposals due 10/29/10. For more info, contact Carol Shreffler at shreffl1@niehs.nih.gov or go to: <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-10-004.html>. Refer to Sol# RFA-ES-10-004. (Grants.gov 6/18/10)

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

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

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

The National Science Foundation requests proposals for Power, Controls and Adaptive Networks. This program supports distributed control of multi-agent systems with embedded computation for sensor and adaptive networks. This program emphasizes electric power networks and grids, including generation, transmission and integration of renewable, sustainable and distributed energy systems, such as fuel cells and micro-turbines in large power networks; high power electronics and drives; and understanding of associated regulatory and economic structures. The program also emphasizes energy scavenging and alternative energy technologies, including solar cells, ocean waves, wind, geothermal, low-head hydro, and the hydrogen economy. In addition, the program supports generation and integration in the National Grid (InterGrid), and interdependencies of critical infrastructure in power and communications. Responses due 10/7/10. For more info, contact Radhakishan Baheti at rbaheti@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13380. Refer to Sol# PD-10-1518. (Grants.gov 2/17/1)



Events

Added This Week

Public Meeting, Desert Renewable Energy Conservation Plan, Ontario, CA (August 11)

The stakeholder committee of the Desert Renewable Energy Conservation Plan will meet:
Wednesday, August 11, 2010, 9:30 a.m. – 5 p.m.
Ontario Convention Center
2000 E. Convention Center Way, Room 104B
Ontario CA 91764

A complete agenda and written reports will be posted at www.energy.ca.gov/33by2020/documents/index.html several days prior to the meeting. Topics to be discussed are:

- NCCP Act Requirements and the Independent Science Panel
- Science Advisors Draft Written Report
- SB 34 Interim Mitigation Strategy and the Draft DRECP Conservation Strategy
- Covered Activities Working Group Update
- Covered Species Working Group Update
- Other Topics (to be identified in the agenda)

- Public Comment

Written Comments

Written comments on the meeting topics must be submitted by 5 p.m. on August 20, 2010. Please include the docket number 09-RENEW EO-01 and indicate Renewable Energy Executive Order in the subject line or first paragraph of your comments. Please hand deliver or mail an original copy to:

California Energy Commission
Dockets Office, MS-4
Docket No. 09-RENEW EO-01
1516 Ninth Street
Sacramento, CA 95814-5512

The Energy Commission encourages comments by e-mail. Please include your name or organization's in the name of the file. Those submitting attached comments electronically should provide them in either Microsoft Word format or as a Portable Document (PDF) to [docket@energy.state.ca.us]. One paper copy must also be sent to the Energy Commission's Docket Unit.

Public Participation

The Energy Commission's Public Adviser's Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact the Public Adviser's Office at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at [PublicAdviser@energy.state.ca.us]. If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by e-mail at [mediaoffice@energy.state.ca.us]. If you have questions on the subject matter of this meeting, please call Michael Valentine, DRECP Assistant Director by email at [Michael.Valentine@energy.state.ca.us] or Paul Richins of the California Energy Commission at (916) 654-4074 or by e-mail at [prichins@energy.state.ca.us]. Notices, reports, and documents are posted at www.energy.ca.gov/33by2020/index.html. If you would like to receive automatic notices of meetings, workshops, hearings, and reports, sign up for the electronic list server on this webpage.

Remote Attendance

You can participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you listen to the audio via your telephone. Please be aware that the meeting's WebEx audio and on-screen activity may be recorded. Please go to <https://energy.webex.com> and enter the unique meeting number: 922 863 617. When prompted, enter your name other information as directed and the meeting password: meeting@930.

GeoPower Europe, European Geothermal Energy Council, Paris, France (December 8–9)

The 2nd annual GeoPower Europe conference and exhibition will focus on policy, finance, and real project opportunities. This senior-level summit will bring together policy-makers, utilities, developers and investors from around the world to share ideas and define the actions needed to drive forward geothermal investment and development.

Geothermal energy has huge potential in Europe, both for large-scale power generation and for direct heating and cooling. The biggest challenge preventing widespread exploitation of this resource is the upfront cost of developing geothermal energy and the risks associated with drilling. Developers struggle to raise the finance required for new exploration, either from government sources or from private investors. For this to change, governments (both the EC and national governments) need to take action. They need to create the right regulatory environment by providing feed-in tariffs for geothermal power, offer direct funding to key projects, and, ideally, there needs to be a Europe-wide risk insurance scheme for geothermal energy.

GeoPower Europe's hand-picked faculty of industry leaders will set out their vision for 2050 and determine the steps required to overcome financial and regulatory barriers and scale up geothermal power production and district heating to meet 20% of Europe's future energy demand.

For more information, the current agenda, and to register, visit

<http://www2.greenpowerconferences.co.uk/EF/?sSubSystem=Prospectus&sEventCode=GE1012FR&sSessionID=8ae2803966ed82ae2265bfed68f83b92-1060598>.

GEA Events

GEA Annual Members Meeting and Policy Workshop, Sacramento, CA (October 23)

On Saturday, October 23rd from noon to 5pm, GEA will hold its "Annual GEA Member's Meeting and Policy Workshop" at the Hyatt Regency in room C. As part of the Member's Meeting, GEA staff will present successes, activities, and direction for 2010 and beyond and open floor to member discussion. As part of the Policy Workshop, keynote speakers from federal and state government will provide expert presentations on the latest regulatory and legislative developments and discuss trends shaping politics in Washington, DC and state capitols. Pulling the two parts of the meeting together will be a discussion of what it will take to sustain long-term growth in the geothermal industry. There is no admission charge for GEA Members and 2010 Geothermal Energy Expo exhibitors. The meeting is also open to the GRC members and others on a space available basis. For more information contact Kathy Kent kathy@geo-energy.org or Karl Gawell karl@geo-energy.org.

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

Exhibitor Registration is open. Booth spaces are more than 75% sold out, please book soon!! Register at <http://www.geothermalenergy2010.com/>.

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

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

Exhibitor Benefits include:

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

To view the floor plan for the 2010 Expo, please go to: http://www.geothermalenergy2010.com/floor_plan.asp

To register as an Exhibitor, please go to: <http://www.geothermalenergy2010.com/registration.asp>

To view the Exhibitors contract for 2010, please go to: <http://www.geothermalenergy2010.com/contract.asp>

More information including sponsorship opportunities, room block, and special events coming soon. We are looking forward to another great Expo! Please do not hesitate to let us know if you have any questions.

Contact: Kathy@geo-energy.org

Geothermal Energy Expo Sponsorship Opportunities

Sponsorship Opportunities – contact Kathy Kent at kathy@geo-energy.org

Water Sponsor - \$3,500 (Exclusive)

SOLD: TNG Energy Services

Benefits:

- Sponsor logo placement on water station and Eco Sports Bottle to be given out to Expo attendees
- Recognition on GEA/GRC site
- Recognition on signage on Expo Hall

Exhibition Aisle Signs – 1/ Aisle Section - \$1,000 (Limit 8)

Benefits:

- Logo on aisle sign
- Proportional logo on event guides

Poker Tournament - \$5,000 (Exclusive)

Benefits:

- Fun tournament played in 15 minute rounds
- Sponsor receives recognition on GEA website and within Poker Tournament itself
- Advertisements for tournament will include sponsor information

Geo-Cyber Area Sponsorship - \$5,000 (Exclusive)

SOLD: Geothermal Resource Group

Benefits:

- 20 x 20 space with two desktop computers with internet connection and printer in 2010 Expo Hall
- Offers the opportunity for technical and management professionals from around the world to come together and networking/round tables and chairs
- Company logo on signage of the “Cyber Space”
- Company’s website set to default for all computer screen savers
- Recognition on signage on Expo Hall

Expo Triangular Eco-Highlighters - \$2,500 (Exclusive)

Benefits:

- Company name and logo on Expo Hall pens given out with attendee bag
- Sponsor receives recognition on GEA website and on Expo Guide

Expo Eco-Pens - \$2,000 (Exclusive)

Benefits:

- Company name and logo on Expo Hall pens given out with attendee bag
- Sponsor receives recognition on GEA website and on Expo Guide

GRC Annual Meeting and GEA Geothermal Energy Expo® Mutual Sponsorships 2010

Sponsorship Opportunities – contact Kathy Kent at kathy@geo-energy.org

Platinum Level - \$30,000 (Limited to maximum of 5 sponsors)

SOLD: Halliburton

Benefits:

- Sponsorship of Opening Reception, Sunday evening, October 24, 2010
- Formal acknowledgement at Opening Reception, Sunday evening, October 24, 2010
- (1) 10'x20' booth space within Expo
- (3) complimentary full conference passes
- Prominent display of name/logo on event guides

- Logo on entry welcome sign, GRC/GEA websites, slide show onsite
- A full page B/W Advertisement in 6 issues of the GRC Bulletin
- Literature of choice included in delegate bags

Gold Level - \$15,000 (Limit 5)

Benefits:

- (1) 10'x10' booth space within Expo
- (2) complimentary full conference passes
- Prominent display of name/logo on event guides
- Formal acknowledgement at Opening Reception
- Logo on entry welcome sign, GRC/GEA websites, slide show onsite
- A half page B/W Advertisement in 6 issues of the GRC Bulletin
- Literature of choice included in delegate bags

Silver Level - \$7,500 (Unlimited)**SOLD: City of Reno**

Benefits:

- Proportional logo on event guides
- Logo on entry welcome sign, GRC/GEA websites, slide show onsite
- A quarter page B/W Advertisement in 6 issues of the GRC Bulletin
- Literature of choice included in delegate bags

Breaks

Afternoon Coffee and Sweets, Monday - \$5,000 (Exclusive)

SOLD: The Shaw Group

Benefits:

- Signage on buffet tables
- Recognition on signage within Expo Hall
- Proportional logo on event guides
- Recognition on GEA website

Morning Coffee, Tuesday - \$2,500 (Exclusive)

Benefits:

- Signage on buffet tables
- Recognition on signage within Expo Hall
- Proportional logo on event guides
- Recognition on GEA website

Afternoon Coffee and Sweets, Tuesday - \$5,000

Benefits:

- Signage on buffet tables
- Recognition on signage within Expo Hall
- Proportional logo on event guides
- Recognition on GEA website

Morning Coffee, Wednesday - \$2,500

Benefits:

- Signage on buffet tables
- Recognition on signage within Expo Hall
- Proportional logo on event guides
- Recognition on GEA website

Variety Items

Neck Wallets - \$10,000 (Exclusive)

SOLD: Calpine Corporation

Benefits:

- One color sponsor logo placement on 2010 neck wallets to be worn by all attendees
- Proportional logo on event guides
- Recognition on GEA/GRC site
- Recognition on signage on Expo Hall

Annual Meeting and Expo Delegate Bags - \$15,000 (Exclusive)

Benefits:

- One color sponsor logo placement on bags to be given out to all of the 2010 attendees
- Proportional logo on event guides
- Recognition on GEA/GRC site
- Company literature inserted into attendee bags
- Recognition on signage in Expo Hall

Why Should You Attend GEA Events?

As the national trade association for the geothermal industry, the Geothermal Energy Association (GEA) strives to create and deliver educational events involving the full range of the geothermal industry, reflecting the dynamic growth of the geothermal market, and communicating the benefits of geothermal energy to all. GEA events offer important opportunities to learn and network within the geothermal community, and to inform and educate companies and organizations outside today's industry that are interested in learning more about geothermal energy. The revenue generated from GEA events is used to advance the goal of the GEA, "to expand the production and use of geothermal energy in the United States and around the world." The revenue supports GEA's workshops and events, communications activities, outreach efforts, policy related activities and analysis, internet publications, and other initiatives designed to help achieve this goal. ONLY GEA puts your dollars to work in all of these ways to advance the future of the geothermal energy industry. And, GEA does not sell your email or postal address to junk mailers or spammers.

To keep track of new events and changes to this calendar go to: www.geo-energy.org.

Other Events

CanGEA's Third Annual Conference & Trade Show, CanGEA, Vancouver, BC, (August 8–10)

Canadian Geothermal Energy Association

<http://www.cangea.ca/>

Fifth Renewable Energy Fair, Chena Hot Springs, Alaska (August 15)

www.chenahotsprings.com or www.chenapower.com

Geothermal in the Oil Field, RMOTC, Casper, WY (August 18-19)

To register for this symposium, go to <http://www.rmotc.doe.gov/registration.html>. Registration is due August 6, 2010. For more information, call (888) 599-2200 or e-mail talk@rmotc.doe.gov.

Geothermal Investment Forum and Networking Event, CanGEA, Toronto, ON, (September 14)

Canadian Geothermal Energy Association

<http://www.cangea.ca/>

XVII Congress of the Mexican Geothermal Association, Morelia, Mich., Mexico (October 8)

Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana)

<http://www.geotermia.org.mx>

Caribbean Renewable Energy Forum, the Bahamas (October 13–15)

To view the latest agenda please follow this link: www.caribbeanenergyforum.com/agenda.php. To qualify for a 15% early bird discount on the registration fee, please register by July 16th. To register please follow this link:

www.caribbeanenergyforum.com/attend.php?sub=register.

Australian Geothermal Energy Conference, SA, Australia (November 16–19)

Australian Geothermal Energy Association

<http://www.ausgeothermal.com/>**POWER-Gen International, Orlando, FL (December 14–16)**<http://www.power-gen.com/index.html>**Renewable Energy World North America 2011, Tampa, FL (March 8–10, 2011)**<http://www.renewableenergyworld-events.com/index.html>**Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory, Dallas, TX (June 13–15, 2011)**<http://smu.edu/geothermal/>

GEOHERMAL ENERGY WEEKLY

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

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