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National News



Discussion Over EPA Authority to Regulate CO₂ Continues

The long battle of [how to control greenhouse gases saw a Supreme Court dismissal](#) in June as justices rejected a lawsuit brought by California, Connecticut, Iowa, New York, Rhode Island, Vermont, and various environmental groups, who believe the government is acting too slowly. The justices stated that the Environmental Protection Agency, not the courtroom, is not the correct forum for addressing greenhouse gas emissions concerns, upholding a 2007 decision. However, a [Bloomberg Government study found](#) EPA’s new preconstruction permitting rules are unlikely to change industry behavior or reduce emissions since most companies already integrate such measures into their projects. The EPA plans to propose further standards in September.

Meanwhile, the Senate Independence Day recess has been canceled and Senate [discussions next week could include climate change](#): "We're exploring what can be done in the Energy committee," Energy and Natural Resources Chairman Jeff Bingaman (D-N.M.) said in an interview. A rider to stop EPA from moving forward with its greenhouse gas rules was cut from April's continuing resolution to fund the federal government through the end of the fiscal year, but House Republicans have said it could resurface.

Domestic U.S. Renewable Energy Production Surpasses That of Nuclear Power

From Sustainable Energy Coalition/SUN DAY Campaign — see [Energy Information Administration](#) — According to the latest edition of EIA's "Monthly Energy Review," renewable energy sources (biomass/biofuels, geothermal, solar, water, wind) provided 2.245 quadrillion Btus of energy during the first quarter of 2011 or 11.73% of domestic energy production. Compared to the first quarter of 2010, renewable energy production has increased by 15.07% and by 25.07% when compared to the first quarter of 2009. More significantly, energy production from renewable energy sources in 2011 was 5.64% more than from nuclear power, which provided 2.125 quadrillion Btus and has remained largely unchanged in recent years. Energy from renewable sources is now 77.14% of that from domestic crude oil production, with the gap closing rapidly. Among the renewable energy sources, biomass/biofuels accounts for 48.06%, hydropower for 35.41%, wind for 12.87%, geothermal for 2.45%, and solar for 1.16%.

Debt Limit Impasse Continues: Are Energy Tax Credits on the Chopping Block?

Congress and the White House have [continued seeking a resolution that will allow an increase in the federal debt limit](#) in return for cuts in future federal budget deficits. Last week, talks appeared to collapse when House Republican Leaders walked out of negotiations at the White House reportedly because the Administration insisted on including tax increases in the proposed deal.

By the middle of this week, President Obama took to the airwaves, pressing for a deal that would include both spending cuts and tax increases, while he specifically called for slashing oil industry tax breaks. But, Republicans like Senator Lamar Alexander (R-TN) argue that federal incentives for renewable energy should be on the block, too.

After a [Senate vote rebuking subsidies for ethanol, every group in Washington](#) with a favorite tax provision is nervous about their fate. The President has now set a July 22 deadline for a compromise deal on the debt limit, and it may take until then to be clear which tax incentives are in the mix. The only thing clear is that nothing is off the table.



Company News

Ormat Technologies: Watch *Earth Focus* Video on Ormat in Kenya

Earth Focus shows footage at the Kenyan geothermal project at Olkaria, Kenya. Watch at: <http://www.youtube.com/watch?v=FpqGW9a6AdM> and <http://www.linktv.org/earthfocus>.

Sustainable Energy Coalition: 14th Annual Congressional Renewable Energy & Energy Efficiency EXPO + Policy Forum Video Now On-Line

Footage of the 14th annual Congressional Renewable Energy & Energy Efficiency EXPO + Policy Forum, which took place June 16, is now available. More than 600 people attended this year's EXPO.

Video footage was prepared by the Environmental & Energy Study Institute (EESI):

- Videos of the presentations and a list of exhibitors: <http://www.eesi.org/14th-annual-congressional-renewable-energy-energy-efficiency-expo-policy-forum-16-jun-2011>.
- Video of some exhibitors describing their technologies and impact on American jobs: http://www.youtube.com/watch?v=iKIXrACSgso&feature=channel_video_title.

Renewable Energy and Climate Change

***Scientific American* says “Start Drilling for Heat”**

An [article in Scientific American](#) asks: “So why in the world don't we use more geothermal energy?” citing expert opinions such as from the recent Equinox Summit in Canada, the International Energy Agency, and Google.org that far too little geothermal energy is used in the world when considering its benefits and availability: “the top one percent of the planet has enough energy to power and heat civilization for approximately 6 billion years,” according to geologist Craig Dunn. The article cites insufficient technology for locating blind resources, mini-earthquakes, and lack of a price on carbon emissions as some of the factors preventing greater development of geothermal energy.





State News

California: DOE Funding Work on Four California Geothermal Projects

Four of the eight [geothermal energy projects which received funding last week](#) from the Department of Energy are located in California. Berkeley Lab will receive \$5 million for work with deep superheated and pressurized carbon dioxide; Livermore Lab, up to \$874,000 for work in combining geothermal energy generation with carbon capture and storage; Physical Optics Corp., up to \$200,000 for heat extraction from geothermal systems; and Terralog Technologies USA Inc., up to \$541,000 for work on vertical and horizontal wells. The total for the 8 projects is about \$11.3 million.

Nevada: Geothermal Energy Academy Kicks Off in Reno

Reno's [newsreview.com this week features the National Geothermal Academy](#) at the University of Nevada-Reno, which has kicked off its 8 weeks of course study in geothermal energy. The Department of Energy awarded UNR a \$995,000 grant for the academy, with instructors coming from universities across the nation as well as experts in the field, including Jefferson Tester, Cornell University; Mark Demuth, WCRM, Inc.; Dave Blackwell, Southern Methodist University, & Joe Moore, EGI / University of Utah; Bill Livesay, Livesay Consultants, & Lou Capuano, ThermaSource, Inc; Roland Horne, Stanford University; Ronald DiPippo, University of Massachusetts Dartmouth, & Brian Anderson, West Virginia University; Tonya Boyd, Geo-Heat Center - Oregon Institute of Technology, & John Lund, National Renewable Energy Laboratory; and John McKinsey, Stoel Rives LLP.

West Virginia: Scientists Research Potential Uses for Geothermal Energy

The [Sierra Club July/August issue features geothermal energy in West Virginia](#), where Southern Methodist University last year found what is believed to be the best geothermal resource in the United States. Research on potential uses for the geothermal hot spot have included potential for direct-use geothermal for communities, using geothermal to dry woody biomass left by the timber industry, and using liquefied CO₂ from West Virginia coal plants as the working fluid for geothermal plants. Brian Anderson, a West Virginia native who earned a Ph.D at the Massachusetts Institute of Technology, now teaches at West Virginia University and is a principal investigator on a \$1.2 million nationwide project to assess enhanced geothermal systems: "Ultimately, I want to change the landscape of energy usage. I want geothermal to be viable anywhere," he told press.



International News

Africa

Kenya: GDC Short-listing Investors for 800-MW Geothermal Project

Construction of the [Bogoria-Silale geothermal project begins next January](#), and the first phase will cost about Sh291 billion. Geothermal Development Company will construct eight power plants, each with a capacity of 100 MW. Bids from credible investors will be short-listed in September and opened in December this year.

“With a potential of more than 3,000 MW, Bogoria-Silale will open up the northern frontiers of the country,” said John Lagat, GDC’s chief geologist. The complex is expected to produce 800 MW by 2017.

Americas

Grenada: Geothermal in Grenada One of 6 U.S. Grants for RE in Caribbean

Grenada has won a [technical assistance grant to aid development of its geothermal industry](#). The grant comes from the United States under the Energy and Climate Partnership of the Americas to develop a Geothermal Resource Bill, with plans to then advance preliminary assessments for a small-scale geothermal plant.

The Organization of American States invited all Caribbean governments to submit proposals and selected the top six of over 20 proposals. Other selected proposals include: Antigua & Barbuda — for eco-friendly generation in the National Parks to encourage the use of solar energy technologies; Dominica — for a Solar Water Heating Awareness Initiative to encourage the use of water heaters; Dominican Republic — to install a demonstration PV solar system; and Jamaica — for a Wind Powered Irrigation Feasibility Assessment for wind power at a pumping station in the St. Elizabeth Parish.

Peru: Mustang Explores for Geothermal at Condorama

Press Release [\[Full story\]](#) —June 24, Reno, Nevada — Mustang Geothermal Corp. (OTCBB:URXE.ob) announced today that it has started exploration at its Condorama-Chaquelles geothermal concession in southern Peru.

The Company is excited about the Condorama Project because of the geothermal potential of the area and its location relative to major commercial mining development. Rural and commercial electrical consumers including the mining industry are in need of additional electrical power sources and it is Mustang Geothermal's goal to provide a source of clean, renewable energy to these consumers.

Peru produces 45,500 Giga watt hours (GWh) of electrical power (2010 est.) with 74.8 % and 24.5% coming from hydro and fossil fuel, respectively. Currently no geothermal power plants are in operation in Peru.

Europe

Germany: Parliament to Increase Geothermal Feed-in Tariffs

Germany's [parliament plans to revise geothermal feed-in tariffs](#) again as part of regularly scheduled revisions. Feed-in tariff revisions in 2009 separated geothermal tariffs into two project size classes — less than 10 MW and greater than 10 MW — and offered other substantial bonus payments. The Ministry for the Environment has recommended simplifying the structure by eliminating the size classifications, since most current projects are less than 10 MW.

Geothermal generation in Germany costs from €0.18/kWh (\$0.25/kWh) to €0.28/kWh (\$0.40/kWh); other recommendations include raising the tariff to put it on a par with France and Switzerland, in the range of €0.20/kWh (\$0.30/kWh) to €0.30/kWh (\$0.40/kWh).

Germany has seen success from using feed-in tariffs to pay for electricity generated by renewable energy sources and plans to increase geothermal feed-in tariffs by raising its payment for geothermal electricity in 2012. The nation raised its geothermal installed capacity from 220 kW in 2003 to 7.5 MW in 2010, and the German Renewable Energy Federation expects there will be 625 MW of new geothermal power plants by 2020.

Greece: TERNA Energy Wins Geothermal Exploration Concessions

TERNA Energy has [won rights to explore for geothermal energy at four sites](#) in Greece. The Nestos River delta, the Evros Delta, the island of Samothrace, and the eastern Aegean island of Hios all have displayed evidence of geothermal energy sources. The company must invest 95 million Euros in geothermal exploration in the next 2 years, and has up to 5 years to conduct the explorations.

“A large window to the most neglected sector of green energy, geothermal sources, opens the attraction of some of the biggest geothermic investment companies in the world, which submitted a total of 18 investment plans for the four regions included in the tender,” Environment, Energy and Climate Change [Deputy minister Yiannis Maniatis told press](#).

Iceland: Geothermal Cluster Group Formed by Icelandic Geothermal Industry

This week over 40 companies in the Icelandic geothermal energy industry [kicked off work on the Icelandic Geothermal Cluster project](#) with an inaugural meeting. "I was personally involved in the early stage of this project on behalf of Íslandsbanki, and believe this is a great way forward for the industry in this crucial time both in Iceland and internationally," Prof. Michael Porter told press.

Details about the cluster work are available through [Iceland Geothermal](#) as well as [Gekon](#). Companies involved in the project include Landsvirkjun, Mannvit, HS Orka, KPMG, Íslandsbanki, GEORG, Efla, Alcoa, Icelandair, Samorka, Reykjavik Geothermal, Alterra Power Corp, Landsbanki, ISOR, Verkís, Landsnet, Blue Lagoon, MP Banki, Carbon Recycling International, UNU Geothermal Training Program, Rarik, Kadeco, Reykjavik Energy (Orkuveita REykjavíkur), Matorka, University of Reykjavik, REYST, Rannis, Nordural, Lex, Landvernd, Keilir, Islandsstofa, and Lysing.

UK: Newcastle University Hits Hot Water

The [Newcastle University borehole project has found hot water](#) after four months of explorations. "It has now cost over £1m, but we're thrilled," Professor Paul Younger of the Newcastle Institute for Research on Sustainability told press. Younger said the borehole would be [finished at 2 km and should produce 300 or 400 kW of energy](#). He added that the site is just one of many potential geothermal resource sites across the country. The project could heat the university's new science building as well as a local shopping center. Geology students examining the limestone at over 1,000 m depth have made other exciting discoveries, such as the presence of shells and corals suggesting a once-tropical climate. The next step for the scientists is to run tests on the sandstone.

Pacific

Fiji: Geothermal Energy "Can Liberate the Nation from the Shackles of Oil"

Geothermal Electric Limited has plans to install a geothermal power plant in Vanua Levu, pending a decision with government about a public private partnership. A [Fiji Times article](#) cites that a 20% price hike in world oil prices means Fiji would need an additional \$200 million just to remain at last year's electricity coverage.

Chief executive Tim Daniel said geothermal energy could be an "economic savior." He said, "The best possible outcome for our nation is for Government and the private sector in Fiji to invest in geothermal energy. With local ownership we can remove the crippling link to world oil prices, which overseas energy companies insist on. Local ownership will make sure that money recycles through our economy instead of being paid directly offshore. It is a win-win for everyone. "When we develop geothermal we can liberate the nation from the shackles of oil for our electricity," Mr Daniel said.

Indonesia: French Firms to Invest \$2 Billion in Geothermal

[French firms have pledged about \\$2 billion for geothermal](#) development in Indonesia and will begin looking into prospects this year, an official in the Indonesian government told press. Some executives this week travel to Indonesia with Prime Minister Francois Fillon.

Philippines: PSE to Ease RE Listing Rules; WRI Reports on Geothermal; EDC Won't Expand Mt Kanlaon Area

The Philippine Stock Exchange is planning to [ease listing and disclosure rules for energy firms](#), saying current rules are limiting investment opportunities. "We hope that with the easing of the listing and disclosure requirements for petroleum and renewable energy companies, the market would be able to tap investment opportunities in petroleum projects in Palawan as well as hydropower and geothermal sources in the country," PSE President and CEO Hans Sicat said.

Meanwhile, the [World Resources Institute cited the Philippines in a recent report](#) for its aims to surpass the United States and become the number one geothermal energy producer in the world, requiring an additional 1,070 MW by 2030. In other renewable energy fields, the nation intends to double hydropower capacity with an additional 3,400 MW; expand biomass by 200 MW; solar photovoltaic power by 30 MW; and ocean energy by 120 MW. The paper, "Grounding Green Power Bottom-up perspectives on smart renewable energy policy in developing countries," says these types of goals are the first steps in smart renewable energy policy that will lead to an increased share of renewables in electricity consumption. One conclusion of the paper is that developing countries such as the Philippines are at the forefront of an energy transformation.

And in an ongoing clash between the Energy Development Corp. and church and environmental groups over the Mt. Kanlaon geothermal project, the [EDC has given assurances it would not expand past](#) its assigned 12.5 hectares which are "sufficient to access geothermal reservoir given current technology," according to Noel D. Salonga, EDC assistant vice president for resource management.

Geothermal Heat Pumps and Direct Use



Cecil County Approves Grant for Nature Center Geothermal Heating System

[Fair Hill Nature Center in Maryland will soon sport a new geothermal heating](#) system, thanks to a \$58,000 grant from the Maryland Clean Energy Center approved by Cecil County commissioners. "We are all about the environment and science at the nature center," Mario Gangemi, past president of the Fair Hill Nature Center Board of Directors told press. "We need to practice what we preach."



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

Notices

Current Notices



DOE Seeks EGS Experts for Roadmap Workshop (July 2011)

Enhanced Geothermal Systems (EGS) are engineered or enhanced reservoirs created to produce energy from geothermal resources that are otherwise not economical due to a lack of fluid and/or permeability. EGS technology can enhance existing geothermal systems and create new systems where appropriate thermal and geologic characteristics occur. EGS has the potential for accessing the Earth's vast resources of heat located at depth; the United States' potential is estimated at 16,000 GWe by the National Renewable Energy Lab (NREL). In an effort to facilitate development of and overcome the challenges associated with EGS so this vast resource can be developed, the Geothermal Technologies Program (the Program) would like to invite EGS subject matter experts to take part in the upcoming EGS Roadmap Workshop. Input from a diverse group of experts is paramount to develop a robust roadmap and a suitable path forward for the EGS program. The workshop will take place July 2011 in Reno, NV or the Bay Area. To be considered for participation, please submit the following information by e-mail to EGS@ee.doe.gov:

- Name and contact information;
- Your reason for participation **and** expected contributions to the Workshop; and
- An attached biography and CV

The qualifications of each applicant will be reviewed by program staff, who will contact selected individuals directly. Individuals not selected will have the opportunity to provide input during the public comment period. The draft document is expected to be available in September 2011. The Program will announce the release of the draft EGS Roadmap on its [home page](#) and by e-mail to the Geothermal Workshops and Webcasts distribution list. If you are not already part of the distribution list, please consider [subscribing](#).

Please send any questions you may have to the EGS mailbox, EGS@ee.doe.gov.

BLM Seeks Input from Geothermal Industry for Upcoming Bonding Workshop

There will be a geothermal bonding workshop at the BLM Nevada State Office to discuss potential changes to the bonding requirements (agenda will follow soon) on August 23rd (8 am- 4:30 pm) and 24th (8 am-12 pm). As part of that, BLM is requesting estimates from industry for plugging (cost per foot) and reclamation (dirt work and reseeded). Please send any estimates you may have to Sheila Mallory (sheila_mallory@blm.gov) have by July 6, 2011.

Also, the BLM Nevada State Office will be holding a geothermal unit training for industry on August 24th (1 pm - 4:30 pm) and 25th (8 am-4:30, dependent upon questions). Because this training is specifically for industry, please provide Sheila Mallory (sheila_mallory@blm.gov) a list of specific geothermal unit topics (or issues) that you would like to see covered by June 30th, 2011.

And finally, if you are interested in attending either the bonding workshop and/or unit training, please be sure to specify which event(s) you will be attending. Please let Sheila Mallory know by July 8th, 2011.

Induced Seismicity Protocol for Public Comment

From the Department of Energy — U.S. Department of Energy Geothermal Technologies Program (GTP) introduces a new Induced Seismicity Protocol for public comment. The public comment period will last for 30 days. Public comment form available at:

http://www1.eere.energy.gov/geothermal/news_detail.html?news_id=17461

Nominating Committee Announced for GEA Board Elections

The GEA Board has approved a nominating committee to coordinate the nominations for elected seats on the GEA Board. Elections will take place in August at the National Geothermal Summit. If you are a GEA member and have a nomination for consideration, please contact: Doug Glaspey, US Geothermal, dglaspey@usgeothermal.com; Halley Dickey, TAS, hdickey@tas.com; Mike Rogers, Calpine Corporation, mrogers@calpine.com; or Karl Gawell, GEA, karl@geo-energy.org.



Employment

Employment Opportunities

Research Geologist/Geophysicist, United States Geological Survey

The USGS in Menlo Park, California, has an opening for a Research Geologist/Geophysicist to conduct research in support of geothermal energy assessments, with a focus on the structural, geomechanical, thermal, and hydrologic properties of fault-hosted hydrothermal systems. Detailed information on the position can be found at <http://tinyurl.com/USGSGeothermalJob>. Individuals must apply online at <http://www.usajobs.gov/> to receive consideration. For more information about the USGS, visit: <http://www.usgs.gov/ohr/great.html>.

Tenure-line Position, Energy Resources Engineering, Stanford University

The Department of Energy Resources Engineering at Stanford University [invites applications for a tenure-line faculty appointment](#). The position is at the assistant professor level. It is desired that the selected candidate be able to start by January 2012.

The Department of Energy Resources Engineering focuses on a wide range of activities related to the recovery of the Earth's energy resources (e.g., hydrocarbons, geothermal, and renewables). The Department also has active research programs on carbon sequestration and clean energy conversions. ERE offers degrees in both energy resources engineering (B.S., M.S., Ph.D.) and petroleum engineering (M.S., Ph.D.). The ideal candidate should have research and teaching interests beyond traditional petroleum engineering disciplines.

We seek scholars with a Ph.D. in a relevant field with novel and innovative research interests in energy resources, such as in one or more of the following areas:

1. Energy systems modeling and optimization, for example integration of energy recovery and carbon sequestration
2. Engineering of enhanced geothermal systems
3. Recovery of unconventional energy resources, such as coalbed gas, shale gas or gas hydrates
4. Renewable energy resources

Please apply online at <https://academicjobsonline.org/ajo/jobs/685/> in electronic format (pdf only) with the following application material:

- cover letter
- curriculum vitae
- a statement outlining research and teaching interests

- the names of three references including e-mail addresses
- copies of up to five selected papers published in refereed journals over the past three years

We will begin reviewing applications on April 15, 2011 and will continue until a suitable candidate is identified.

Reservoir Engineering Manager – Geothermal, Chevron, Jakarta, Indonesia

Chevron Asia Pacific Exploration and Production is accepting online applications for the position of Reservoir Engineering Manager located in Jakarta, Indonesia. To learn more about this exciting position and to apply visit www.chevron.apply2jobs.com and search by requisition 081116435. All applicants must apply via the Chevron online application process.

Consultant, Geothermal Market in Turkey, EBRD

The European Bank for Reconstruction and Development is considering a wide range of renewable energy proposals in Turkey, some of which are in the geothermal sector, and as such requires a consultant to provide an assessment of the Geothermal Market in Turkey. See <http://www.ebrd.com/pages/homepage.shtml> and <http://www.balkans.com/open-news.php?uniquenumber=91332>

NREL Seeking Applicants for Geothermal Analysis Group

NREL seeking applicants with geothermal or related technical backgrounds that have strong analytical skills and good writing/communication skills. Apply for the positions online at http://www.nrel.gov/employment/job_openings.html.

Requests for Proposals



Proposal Announcements

San Diego Gas & Electric Solicitation for Renewables (July 11)

In order to expand its renewable energy portfolio San Diego Gas & Electric (SDG&E) is seeking project proposals from renewable energy developers. SDG&E is seeking proposals including a power purchase agreement of up to 30 years, with deliveries beginning between 2011 and 2015. SDG&E is especially interested in proposals that can help it meet near term renewable power needs in 2011, 2012, and 2013. Bidders conferences will be held by SDG&E on June 2 and June 8. The deadline to submit questions is July 1. The closing date is July 11.

For more information on SDG&E's RFO go to:

<http://www.sdge.com/documents/rfo/renewable2011/2011RFODocument.pdf>

Renewable Energy Certificates, Various Civilian Agencies (July 18)

Synopsis: (Jun 07, 2011 12:27 pm) — Renewable Energy Certificates, for ultimate transfer to various Federal Civilian customers. Contract(s) are anticipated to be one time deliveries starting on September 1, 2011. Total contract quantity is 573,302,000 kWh. This is a combined synopsis/solicitation for commercial items prepared in accordance with the format in Subpart 12.6, as supplemented with additional information; proposals are being requested and a written solicitation will not be issued. This announcement and the document, which can be accessed via FedBizOpps (www.fbo.gov), constitute the only solicitation. The solicitation is issued as a Request For Proposal (RFP) and has incorporated provisions and clauses as in effect through Federal Acquisition Circular (FAC) 2005-29. Additional requirements may be added by Amendment. All responsible sources may submit a proposal, which shall be considered. Files available at https://www.fbo.gov/index?s=opportunity&mode=form&id=659cfa3af75d35d7676a546fca24c813&tab=core&_cviw=0. If you are unable to access the solicitation via the Internet, please contact DLA Energy-AE for a printed copy.

Points of Contact:

Bryan Simmons, 703-767-8531, Bryan.Simmons@dla.mil

Chris Boeding, 703-767-9651, Christopher.Boeding@dla.mil

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

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

2011 Round of New Markets Tax Credit Program Allocations (July 27)

On Tuesday, May 31, 2011, the U.S. Department of the Treasury's Community Development Financial Institutions Fund (CDFI) announced the opening of the 2011 round of competition for \$3.5 billion in New Markets Tax Credit Program allocations. The application materials and related information are available at the [New Markets Tax Credit Program page](#) of the CDFI Fund website: www.cdfifund.gov.

Established in 2001, The New Markets Tax Credit Program stimulates investment of private sector capital into distressed communities by providing a tax credit to corporate or individual taxpayers who make qualified equity investments in designated Community Development Entities (CDEs). The CDEs then invest the capital raised into projects and businesses in low-income communities. Since the inception of the NMTC Program, the CDFI Fund has made 594 awards totaling \$29.5 billion in tax credit allocation authority to CDEs.

Important Program Deadlines

- NMTC Program Application: July 27, 2011
- Prior Allocatees' Issuance of Qualified Equity Investments: October 14, 2011

Note: CDE Certification application materials and resources are available on the CDFI Fund's [CDE Certification web page](#).

If you have any questions on the 2011 application process, need assistance in completing your 2011 application or CDE certification, or want additional information on the New Markets Tax Credit Program, please contact Gary Perlow, Director, New Markets Tax Credit Practice, at gary.perlow@reznickgroup.com.

Tender for 3 Geothermal Permits, British Columbia, Canada (July 26)

Crown Geothermal Resources will hold a "Competition for the Right to Explore and Develop Crown Geothermal Resources" on July 26, 2011, for three geothermal permit areas in the region of Squamish-Lilloet with First Nations interest by the Lil'Wat First Nation.

Bids must be addressed to the Minister of Energy and Mines and mailed or delivered to the office of the Executive Director, Titles Branch, Titles and Corporate Relations Division, 6th floor, 1810 Blanshard Street, PO Box 9326 Stn Prov Govt, Victoria BC V8W 9N3. They must be received before 12:00 noon Pacific Daylight Time, Tuesday, July 26, 2011, for the privilege of obtaining geothermal rights, as detailed below and depicted on the attached map. Accepted bids will be announced the following day.

Bidding procedures and conditions are defined in Information Letter TITLES-10-01 available from the Titles and Corporate Relations Division, 6th floor, 1810 Blanshard Street, Victoria, BC V8W 9N3, telephone (250) 952-0333. The relevant documents are available at: <http://www.ilmb.gov.bc.ca/slrp/lrmp/surrey/s2s/plan/lrmp.html>

Request for Information on Geothermal Energy Expansion, HELCO, Big Island, Hawaii (August 31)

In a request for information (RFI), Hawaii Electric Light Company [seeks information on expanding geothermal energy on Hawaii](#) Island from stakeholders including potential geothermal developers and interested landowners on next steps that take into account the renewable energy goals and clean energy policy of Hawaii within the state's unique community, cultural, historical, and environmental context. The full RFI is available at <http://GeothermalRFI.heco.com>. Responses requested by August 31.

Events

New This Week

Free Tours of Geysers Geothermal Field, Middletown, CA (July 15)

Free guided tours of The Geysers geothermal field will be open to the community on Friday, July 15, 9 a.m. to 1 p.m. Hosted by Calpine, tourists should meet at the Calpine Visitors Center, 15500 Central Park Road, Middletown, California. Visit The Geysers Web site, <http://www.geysers.com/>.



Public Workshop on California Clean Energy Future, CEC, Sacramento, CA (July 6)

The California Energy Commission's Integrated Energy Policy Report (IEPR) Committee will hold a public workshop to discuss updates to the California Clean Energy Future. The workshop is a joint effort of the California Air Resources Board, California Environmental Protection Agency, California Independent System Operator Corporation, and California Public Utilities Commission. Chair Robert Weisenmiller is the Presiding Member and Commissioner Karen Douglas is the Associate Member of the IEPR Committee. Other Commissioners may attend and participate in this workshop.

DATE: Wednesday, July 6, 2011

TIME: 1:30 pm

LOCATION: Byron Sher Auditorium, 2nd Floor, Cal/EPA HQ Building, 1001 "I" Street, Sacramento

Directions: <http://www.calepa.ca.gov/EPABldg/location.htm>

This meeting will be webcast at: <http://calepa.ca.gov/Broadcast/?BDO=1>

U.S.-Mexico Renewable Energy and Energy Efficiency Policy Roundtable, U.S. DOC, Mexico City, Mexico (September 26–27)

From DOC: Join a senior U.S. Department of Commerce official in Mexico City for a U.S.-Mexico Renewable Energy and Energy Efficiency Policy Roundtable. The forum will help create a policy environment in Mexico capable of attracting renewable energy and energy efficiency (RE&EE) investment from the United States, address restrictions to U.S. RE&EE exports, and introduce U.S. companies to senior-level Mexican officials. In addition, participating U.S. companies can present their products or services at a technical seminar organized at the Green Expo.

The Government of Mexico has set an ambitious goal of 15% renewable energy production by 2020; this is coupled with a significant interest in energy efficiency improvements. To accomplish these goals, significant investment over the next decade is needed – providing export opportunities for U.S. companies.

Participants in the two-day event will:

- Accompany a senior-level Department of Commerce official to meetings with the Government of Mexico on renewable energy and energy efficiency policy;
- Receive an invitation to an Ambassador's reception to network with Mexican officials and companies;
- Participate in a closed-door U.S.-Mexico Roundtable on Renewable Energy and Energy Efficiency Policy;
- Be invited to showcase products or services at the Green Expo's technical seminar; and
- Receive in-depth market information from the International Trade Administration on opportunities in the Mexican RE&EE market.

Cost is \$500; Participants are responsible for making their own travel arrangements. **Deadline for registration is August 15.** To register for the policy roundtable email: ryan.mulholland@trade.gov or aliza.totayo@trade.gov.

Turkey Renewable Energy and Energy Efficiency Trade Mission, U.S. DOC, Ankara-Istanbul-Izmir (October 24–28)

Why Turkey? Why Now?

- Turkey's renewable energy investments will exceed US\$ 20 billion during the next 5 years;
- Large Wind Energy Potential Project Developments: 10,000 MW by 2015 and 20,000 MW by 2023.
- Large hydroelectric power plant development potential: 5000 MW by 2015
- Number 2 geothermal energy development potential in Europe and 5th in the world;
- Number 2 in Europe in Solar Energy Potential
- A new Renewable Energy Law passed on December 12, 2010 and increased guaranteed prices for different renewable energy resources;
- Additional incentives provided for parts to be manufactured locally;
- 10 years Power Purchase Guarantee;
- Energy Efficiency Law in place;
- Turkish Government is encouraging U.S. ESCOs to cooperate with Turkish ESCOs;
- U.S. Department of Energy is leading a pilot project to develop 20 Energy Efficiency Projects in Izmir Ataturk Industrial Zone

What can you gain by participating in this TM?

- A senior U.S. Department of Commerce executive will lead the mission and facilitate valuable introductions to key Turkish energy industry decision-makers;
- A U.S. Export-Import Bank representative will travel with the delegation in all three cities and advise the participants on trade finance solutions;
- 10-15 pre-scheduled meetings with potential partners, distributors, end users, or local industry contacts;
- Meetings with key government decision makers and private sector firms;
- Pre-travel webinars on subjects ranging from industry briefings to business practices in Turkey;
- Meetings with CS Turkey's energy specialists in Ankara, Istanbul and Izmir, Turkey;
- Transportation to all mission-organized meetings inside Turkey (all air transportation within Turkey is the responsibility of the mission participant);
- The Trade Mission visit will provide visibility for participating American firms at networking receptions at the U.S. Ambassador's residence and U.S. Embassy press releases;
- Cost for small and medium size firms: \$3,285; large companies: \$4,055.

Who should participate: U.S. renewable energy equipment and systems manufacturers, RE project developers, engineering firms, energy efficiency systems and equipment suppliers, project finance companies, and any other RE & EE companies. To apply, go to: <http://www.buyusa.gov/kern/cetm.html>.

For more information please contact:

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GEA Events

GEA to Hold First Ever National Geothermal Summit in Reno, Nevada (August 16–17)

GEA is thrilled to announce the first ever National Geothermal Summit to be held Tuesday, August 16th and Wednesday, August 17th, 2011 at the Grand Sierra Resort and Casino in Reno, NV.

The National Geothermal Summit will be held for GEA members, companies, and individuals in the geothermal industry with industry experts sharing real life approaches to getting geothermal projects in the ground and online. Topics for the Summit include Outlooks for Washington and the Western States, Building New Transmission Projects in the Western States, New Renewable Energy Policy Developments in CA, and Moving Geothermal Forward on Public Lands. Attached is the latest agenda for the Summit for you to see the impressive line-up we have in store.

There will also be an Expo Hall featuring government agencies, universities and leading geothermal developers from the growing geothermal industry. We are opening the Expo Hall to our members first. To see the floor plan for the Summit please visit: <http://www.geo-energy.org/nationalgeothermalsummit/FloorPlan.aspx>.

The Summit will kick off Tuesday, August 16th at 3pm with a GEA Members Meeting and Elections where GEA staff will present 2011 accomplishments and plans for 2012 and beyond and have Board elections. Following the GEA Members Meeting will be Keynote Presentations by high level invitees and a delicious networking dinner where GEA will give out the first Annual GEA Honors Awards. This will be a great evening commencing a great event. Wednesday, the 17th will be a chock full day with Keynote Presentations, two plenary sessions, an Expo, Job Fair, breakout sessions, and end of day closing reception.

The National Geothermal Summit will feature the who's who of the geothermal industry. It is an event not to be missed!

For more information, including the preliminary agenda and registration, visit: <http://www.geo-energy.org/nationalgeothermalsummit/main.aspx>

If you have not yet cast your nominations for the inaugural GEA Honors please do so by Friday, July 1st. More information about GEA Honors can be found online at: <http://www.geo-energy.org/GEAHonors.aspx>.

Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA (October 23–26)

The GEA Geothermal Energy Expo is 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 2011 Expo is certain to be the largest-ever gathering of the geothermal community," said GEA Marketing and Events Director Kathy Kent. "Each year the growing geothermal industry comes together for this event and it has become the most vital gathering for companies and leaders developing geothermal resources around the world." The 2010 Expo in Sacramento featured more than 2,500 attendees from 42 different states and 13 different countries. The sold out Expo Hall featured 162 exhibitors coming from 34 different states and 10 different countries. Please contact Kathy Kent, Kathy@geo-energy.org for information, registration, sponsorship opportunities, etc.

Exhibitor Registration Open for GEA Geothermal Expo

Washington, DC (March 11, 2011) – Registration for exhibitors at the 2011 GEA Geothermal Expo in San Diego, Calif. from Oct 23-26 has opened at <http://www.geothermalenergy2011.com/>.

Sponsorship Opportunities Available for GEA Events

Your company has the opportunity for high visibility at GEA's 2011 events. In addition to providing the financial support needed for GEA to undertake successful events, GEA events feature media availabilities with sponsors which garner extensive coverage in mainstream press outlets. Sponsorship details are posted online: <http://www.geo-energy.org/images/GEA2011SponsorshipOpps9.pdf>.

Other Events

National Geothermal Academy, University of Nevada, Reno (June 20 to August 12)

This summer the [National Geothermal Academy will hold its inaugural summer session at the University of Nevada, Reno](#). Forty students will be involved in an 8-week geothermal energy education program. Cornell University, Stanford University, Southern Methodist University, West Virginia University, the Oregon Institute of Technology, the University of Utah and Dartmouth will all participate. The Department of Energy awarded UNR a \$995,000 grant for the academy. "Indonesia, New Zealand and Iceland have held similar academies, but this academy is the first in our country," Wendy Calvin, coordinator of the academy and director of the University of Nevada Great Basin Center for Geothermal Energy, said in a statement. "Nevada has great local resources for the academy. The consortium selected our school because of its proximity to drilling sites, power plants and heat sources, as well as for its leadership in multidisciplinary research that has led to discovering new technologies for exploration, production and development of geothermal resources." For more information go to <http://www.unr.edu/geothermal/NGA.htm>

USTDA Indonesia Geothermal Power Development Reverse Trade Mission (July 10–20)

The U.S. Trade and Development Agency is pleased to announce the **Indonesia Geothermal Power Development Reverse Trade Mission**, taking place **July 10-20, 2011** in the cities of Sacramento (CA), Reno (NV), Ridgecrest (CA), and Washington, D.C.

The delegation includes some of the most important figures in Indonesian geothermal power development; additional information on the Mission can be found on the event website (<http://www.indonesiageothermal.govtools.us/>) as well as in the attached announcement.

[Register](#) to attend the Business Briefing in Reno, NV on Thursday, July 14.

[Sponsor](#) the Mission or host a lunch/dinner meeting with the delegation.

[Note: Participation at and/or sponsorship of all USTDA events is limited to U.S. companies, as defined under [USTDA's Nationality Requirements](#).]

Please contact to learn more about the upcoming Mission: Garrett Shields

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XIX Annual Congress of the Mexican Geothermal Association (September 22–23)

XIX Annual Congress of the Mexican Geothermal Association (AGM)

Los Humeros, Pue., Mexico, 22-23 September 2011

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

CanGEA Events (September and November)

September 14–15, 2011 - Toronto, ON, Canada—CanGEA's 4th Annual Conference and Investment Forum

November 9th, 2011 – Calgary, AB, Geothermal Power Forum and Networking Event

CanGEA announces its 4th Annual Conference and Investment Forum to take place in Toronto/ ON, Canada, September 14-15, 2011. The event will showcase Canadian development, activities of Canadian and international companies, and plug in a comprehensive finance and investment element as part of its Investment Forum.

<http://www.cangeaevents.ca>

GEOTHERMAL ENERGY WEEKLY

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

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