



## This Week

May 9, 2011

<b>National News.....</b>	<b>4</b>
GEA Sees Lively Discussion, Strong International Presence at Geothermal Forum in DC .....	4
Renewable Energy Development on Public Lands Highlighted in Interagency Report to Congress .....	5
House Panel to Examine Barriers to Renewable Energy Development.....	7
<b>Company News.....</b>	<b>7</b>
Ormat Technologies: First Quarter 2011 Results Reported .....	7
<b>Renewable Energy and Climate Change.....</b>	<b>8</b>
Renewable Energy Associations Laud United Nations Climate Report .....	8
Environmental Groups Challenge First Greenhouse Gas Permit Under New EPA Rules .....	9
<b>State News .....</b>	<b>9</b>
Alaska: Tenakee Springs Opposes Sealaska Geothermal Site Selection.....	9
Colorado: Pagosa Springs Work Plan Could Ease Council Concerns on Geothermal Research Funding .....	9
Hawaii: Geothermal Expansion Under PUC Review Sees Wind Farm Opposition.....	10
<b>International News .....</b>	<b>10</b>
Americas .....	10
Chile: Origin Buys 40% Stake in Geothermal Company .....	10
Nevis: Export-Import Bank Decision Pending for Geothermal Project.....	10
Pacific.....	11
Fiji: Geothermal Electric Chief Outlines Benefits for Fiji.....	11
World: Geothermal Leaders Come Together for International Agreement.....	11

**Geothermal Heat Pumps and Direct Use ..... 13**

Maine Governor's Office of Energy Independence and Security Provides Geothermal Report..... 13

**Notices ..... 13**

Closing This Week ..... 13

Public Comments Sought, U.S. Forest Service, Humboldt-Toiyabe Geothermal Leasing Project (May 16)... 13

New This Week ..... 14

Funding Opportunity: Technology Advancement for Rapid Development of Geothermal Resources in the U.S.  
..... 14

RFO and Bidders' Conference Coming for 2011 RPS Plan, PG&E (May 19) ..... 14

Correction to Notice, Nevada Geothermal Lease Sale Land Nominations ..... 15

Video: President Obama at ElectraTherm facility in Reno NV ..... 15

Current Notices ..... 16

GEA Honors -- Nomination Deadline Extended (July 1) ..... 16

**Employment..... 16**

Employment Opportunities ..... 16

Research Geologist/Geophysicist, United States Geological Survey ..... 16

Tenure-line Position, Energy Resources Engineering, Stanford University ..... 17

Director – Business Development, GeoTek, Midland, Texas ..... 17

Reservoir Engineering Manager – Geothermal, Chevron, Jakarta, Indonesia ..... 18

*For Students!* EPA Summer Employment Program Application Underway ..... 18

Sr. Applications Engineer, ElectraTherm ..... 18

Associate Director, California Geothermal Energy Collaborative, UC Davis Energy Institute ..... 18

Sr. Engineer, McHale & Associates, Arvada, CO ..... 18

Consultant to Assess the Geothermal Market in Turkey, EBRD..... 18

General Manager, Geothermal Exploration, Origin Energy (Indonesia) ..... 18

NREL Seeking Applicants for Geothermal Analysis Group ..... 18

Senior Level Assistant Site Manager, Operations and Maintenance..... 19

Senior Principal Geothermal Geologist – Brisbane, Australia..... 19

Vice President Geology, Western US ..... 19

Geothermal Openings, NREL, Boulder, CO..... 19

Drilling Manager, NV ..... 19

Renewable Energy Mechanical/Systems Engineer, Idaho International Laboratory, ID ..... 19

Project Manager ..... 19

Development Manager ..... 19

Project Manager Geothermal Exploration, Europe ..... 19

**Requests for Proposals.....20**

Closing This Week ..... 20  
 Invitation to Bidding, EEPSCO, Consumables for Geothermal Drilling, Ethiopia (May 16)..... 20  
 Proposal Announcements..... 20  
 Geothermal Development, Commonwealth of Dominica (June 17)..... 20  
 Call for Expressions of Interest, Geothermal Development Company Ltd, Kenya ..... 21  
 Nevada Accepting Land Nominations for January 2012 Geothermal Lease Sale (June 24)..... 23  
 Refurbished 27-MW Marine Turbine, Ram Power ..... 24  
 Alaska Fairbanks North Star Borough Offers \$1M Matched-Funds Grant..... 24

**Events.....25**

Happening This Week..... 25  
 GEA Team to Power Brita Climate Ride (May 13-17)..... 25  
 Geothermal Reporter Training, ONRR, Reno NV (May 10-12, tentative) ..... 25  
 New This Week ..... 25  
 14th Annual Congressional Renewable Energy & Energy Efficiency EXPO + Forum, Sustainable Energy  
 Coalition, Washington DC (June 16)..... 25  
 XIX Annual Congress of the Mexican Geothermal Association (September 22–23)..... 27  
 GEA Events..... 27  
 GEA National Geothermal Summit, Reno, NV (August 16-17) ..... 27  
 GEA Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA (October 23–26) ..... 27  
 Other Events ..... 28  
 Geothermal Research Symposium, Colorado School of Mines (May 23–24) ..... 28  
 California Geothermal Energy Collaborative Summit, Mammoth Lakes, CA (May 26-27) ..... 28  
 Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory,  
 Dallas, TX (June 13–15)..... 28  
 National Geothermal Academy, University of Nevada, Reno (June 20 to August 12)..... 28  
 CanGEA Events (September and November) ..... 29



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



**National News**

**GEA Sees Lively Discussion, Strong International Presence at Geothermal Forum in DC**

The 2011 Geothermal Energy Technology and International Development Forum was held by the Geothermal Energy Association, in collaboration with The U.S. Department of Commerce and the U.S. Department of Energy, on May 4 in Washington DC. High level officials in attendance represented Pakistan, Canada, Dominica, Iceland, Japan, St Kits and Nevis, New Zealand, Hungary, Australia and Indonesia.



Senator Ron Wyden delivered the keynote address. His tone was one of support and empowerment to over 200 gathered geothermal industry leaders, and he confirmed his continuing support in the Senate. "If we make some smart decisions now we can look down the road six, eight, ten years from now and say: that was a good call; that made a difference," he said. "To be able to have this kind of clean geothermal energy at this time with the opportunities for this number of jobs, that's a combination that comes around fairly rarely. ... You all are on the right side of history."



Karl Gawell (GEA) and Senator Ron Wyden

The program showcased geothermal trends and governmental policies. "There is plenty of action on geothermal going on in Congress," said Allyson K. Anderson, Senior Professional Staff for the US Senate Energy & Natural Resources Committee. "Leadership in the Senate and at DOE have not forgotten it and put a lot of stock in generating it as a renewable." She added, "Hopefully we will have a hearing on it soon."

JoAnn Milliken, Senior Advisor and Acting Program Manager of the U.S. Department of Energy Geothermal Technologies Program said a funding opportunity for geothermal would be coming in June (see **Notices**). Potential topics under the funding announcement would be: Advanced exploration technologies, Advanced drilling and well completion technologies, and Tools and monitoring systems for EGS stimulation.

Keith Martin, a Partner at Chadbourne and Parke LLP discussed new guidance changes from Treasury and how it affects geothermal.

Trends on the state level were also discussed. "Geothermal is a silver bullet for utilities, let's not forget that ... State RPS are big drivers, and we see active utility interest," said Jonathan Weisgall, Vice President of Legislative and Regulatory Affairs at MidAmerican Energy Holdings Company

Experts discussed projects under development both in the U.S. and internationally. "USAID is working in geothermal energy in Africa because it helps everything else we do, including economic development, health, and poverty reduction," said Jeffrey Humber, Director of the Africa Infrastructure Program at USAID.

At the event, industry leaders announced the formation of the new International Geothermal Business Coalition ([www.internationalgeo.org](http://www.internationalgeo.org)), founded by the European Geothermal Energy Council, the US Geothermal Energy Association, the Canadian Geothermal Energy Association, the Australian Geothermal Energy Association, and the Chilean Geothermal Energy Association. The organization will represent the leading companies involved in developing geothermal resources to meet energy needs across the world (see **story below**).

A wide range of attendees participated in the Geothermal Forum, including representatives from: the Export-Import Bank, US Department of Energy, General Services Administration, House Committee on Science and Technology, Senate Energy and Natural Resources Committee, Inter-American Development Bank, International Trade Administration, National Institute of Science and Technology, US Department of State, UN Foundation, US Agency for International Development, the World Bank and more.

## **Renewable Energy Development on Public Lands Highlighted in Interagency Report to Congress**

Press Release [[Full story](#)], May 6 — Washington – Even as the nation battled the Deepwater Horizon oil spill in the Gulf of Mexico, the Obama Administration continued to make significant gains last year in expanding renewable energy initiatives on public lands and offshore areas, according to a detailed report submitted to Congress by the Interior and Agriculture departments.

"To increase our energy security and to help reduce costs for American consumers, we must continue our balanced and comprehensive approach to energy development on public lands and waters," said Secretary of the Interior Ken Salazar. "The New Energy Frontier report describes the milestone progress we are making in harnessing America's solar, wind, and geothermal potential, while also supporting safer and more environmentally responsible conventional energy development."

"Winning America's energy future requires generating energy from a broad portfolio of home-grown renewable options," said Agriculture Secretary Tom Vilsack. "The report released today details the progress we've made in

leveraging federal resources to help move our country towards a stronger energy future and reduces our need for importing foreign oil.”

Specifically about geothermal, the report's release highlighted their efforts that: "Worked to increase geothermal energy production on public lands, approving four priority geothermal projects in Nevada since 2009; BLM oversees 58 geothermal leases in a producing status covering about 56,000 acres on BLM lands and 120 geothermal leases covering 134,000 acres on U.S. Forest Service lands; a reasonably foreseeable development scenario indicates a potential for 12,210 MW of electrical generating capacity from 244 geothermal power plants by 2025."

The joint USDA and DOI report, *New Energy Frontier – Balancing Energy Development on Federal Lands*, responds to congressional interest regarding the development of renewable and conventional energy from federal lands and Outer Continental Shelf areas. The report documents the progress made to date and the Administration's plan of action for continued initiatives to ensure accountability, efficiency and responsibility in the management of Federal energy resources.

Among other initiatives, the report described the Administration's efforts to spur the development of environmentally responsible commercial-scale wind, geothermal and solar projects in the West and to open appropriate areas of the Atlantic Ocean to wind turbine farms -- areas that hold vast energy resources. The development of wind, solar, hydropower, and other renewable energy systems that can substantially reduce carbon dioxide emissions on a lifecycle basis has been a top priority under Secretary of the Interior Ken Salazar.

In addition, Secretary Vilsack and USDA are helping our nation develop the next generation of biofuels and wood to energy options to grow jobs and generate energy from new, homegrown sources. President Obama is committed to reducing the nation's net imports of oil by one-third by 2025 and in support of this goal the administration plans to break ground on four biorefineries in the next two years. The United States holds only 2 percent of proven oil resources, and we consume about 25 percent of world's supply. The production of cleaner and more efficient fuels, produced domestically, will help to make America's energy supply more secure by permanently reducing our dependence on oil. USDA is doing research into new biofuel production methods and has established five regional research centers working on the science necessary to ensure biofuels can be produced profitably from a diverse range of feedstocks. USDA is also offering support to build the infrastructure needed to deliver the fuel to consumers at the gas station.

## House Panel to Examine Barriers to Renewable Energy Development

On Friday, the House Natural Resources Committee will look at [regulations and litigation related to renewable energy development on public lands through a hearing](#) scheduled for Friday, May 13, at 10 a.m. Witnesses include Bob Abbey, director of the Bureau of Land Management; and Michael Bromwich, director of the Bureau of Ocean Energy Management, Regulation and Enforcement, who will provide testimony on issues that have delayed development, such as permitting.

"It's both litigation and regulations and bureaucratic process that either blocks renewable energy development on public land or dissuades people from even attempting it," said Spencer Pederson, a spokesman for committee Republicans. "It's much easier to do these things on private lands."

---

## **Company News**



### **Ormat Technologies: First Quarter 2011 Results Reported**

Press Release [\[Full story\]](#) — RENO, Nevada, May 4, 2011 -- Ormat Technologies, Inc. (NYSE: ORA) today announced financial results for the first quarter of 2011.

Quarterly highlights:

- An 18% increase in total revenues year-over-year;
- A 14% increase in electricity generation;
- Continuing operational challenges in North Brawley resulting in quarterly loss;
- Increase in Product Segment backlog;
- Acquired lease rights on 8,000 acres and option to leases on 264,000 acres of privately held land.

Commenting on the results, Dita Bronicki, Chief Executive Officer of Ormat, stated: "Total revenue increased 18.4% driven by strong results in both our Electricity and Product Segments. Facilities added in the past year and the performance of most of our plants translated into growth in generation and in revenue, which increased to \$78.3 million. Excluding North Brawley, gross margin from this segment in the first quarter of 2011 would have been approximately 30%."



---

## **Renewable Energy and Climate Change**

### **Renewable Energy Associations Laud United Nations Climate Report**

*UN Intergovernmental Panel on Climate Change Report Shows Renewable Energy Could Provide Nearly 80 Percent of World's Power* — Press Release, WASHINGTON DC, (May 9, 2011) - Leaders of the renewable energy industry hailed the release of the Intergovernmental Panel on Climate Change (IPCC) that shows with the right policies to support growth, renewable power sources could dominate the world's energy supply by 2050, and called even more strongly for the development of smart energy policies to ensure that renewables continue to grow.

This momentous change away from fossil fuels could help keep the increase in global temperature below 2 degrees Celsius – an aim recognized in the United Nations Climate Convention's Cancun Agreements.

"It is extremely heartening to see acknowledgement by the United Nations of something we have known for a long time: biomass and other renewable energy sources have the potential to produce significantly more energy than we are already producing," said Bob Cleaves, President & CEO of the Biomass Power Association. "Not too long ago, it would have been unthinkable to forecast that energy from renewable sources would surpass energy from fossil fuels -- and now it appears that this goal is within reach. The growth of the renewable energy industry will lead to a cleaner environment and to the creation of thousands of jobs."

In the US, the Obama Administration is looking to enact the types of policies that the report espouses. The proposed Clean Energy Standard could allow for 80% of US energy to come from renewable sources by 2035 according to the administration. The President is also seeking to shift \$4 Billion in tax subsidies to oil companies toward renewable energy development.

"This new report confirms we have to change how we think about renewable energy. Each of the renewable technologies will produce significant amounts of energy and together they will meet the majority of our energy needs in the future," said Karl Gawell, Executive Director of the Geothermal Energy Association. "Now, we need to see national energy plans and policies like a strong national renewable energy standard and long-term incentives to accelerate this transition to a new, clean energy future."

"What the IPCC has found is something the renewable energy industry has known for some time: these technologies can power our future," said Linda Church Ciocci, Executive Director of the National Hydropower Association. "The growth observed did not happen on its own, however. Policies – whether regulatory,

investments or incentives – that increase the long-term certainty for the industry and its investors, will make the projections of this report the reality of tomorrow.”

“Once again, technical experts have concluded that renewable energy can and must be a major part of our energy supply,” says Denise Bode, CEO of the American Wind Energy Association (AWEA). “Already wind has installed 35 percent of all new electric generation capacity since 2007 and tracks ahead of schedule in supplying the U.S. with 20 percent of its generation from wind by 2030.”

### **Environmental Groups Challenge First Greenhouse Gas Permit Under New EPA Rules**

The first [project to be approved under greenhouse gas regulations implemented by the EPA](#) in January may halt work after two environmental groups have submitted a challenge to the EPA. The \$3.4 billion direct reduced iron plant is being developed by Nucor in Louisiana. The Sierra Club and the Louisiana Environmental Action Network say the plant’s final permit was combined with a pig iron plant that had been rushed through the permitting process. They say the amount of greenhouse gas emissions the new plant would be allowed to release is too high. The EPA has 60 days to respond.

---

## **State News**

### **Alaska: Tenakee Springs Opposes Sealaska Geothermal Site Selection**

Sealaska and the Inside Passage Electrical Cooperative plan to [study geothermal power in Tenakee Inlet](#). A grant application would allow reconnaissance studies only, following a provision in the Sealaska Lands Bill that prohibits developing the site for 10 years, but does allow for investigating it. “This community has no real hydro potential and this might potentially be their long-term energy supply,” Sealaska Vice President Rick Harris told press. “The goal for all of us is to get everybody off diesel.”

But the City of Tenakee Springs has different ideas about the site selection. “We oppose the selection and development in that Pegmatite Mountain area because it’s impractical for Tenakee and we’re already attempting to get our own hydro,” said Councilwoman Joan McBeen. “And it’s in a very sensitive environmental area and right in the middle of a roadless area and has a lot of wildlife.”

### **Colorado: Pagosa Springs Work Plan Could Ease Council Concerns on Geothermal Research Funding**

In a meeting last week, the [Pagosa Springs Town Council discussed funding geothermal research](#) in a meeting that saw both support and dissent for the research. In February, county commissioner and CDC board member Michael Whiting had proposed reallocating \$30,000 of CDC money to fund the research. The Archuleta Board of County Commissioners voted unanimously to reallocate their \$15,000 portion, but the council had rejected reallocating its \$15,000 portion. The Pagosa Springs Community Development Corporation brought forward a



decision to spend \$2,000 on a work plan that would satisfy council's concerns about the study. The council was asked to state approval of the CDC's expenditure, which they eventually did. The council will meet again May 19.

## **Hawaii: Geothermal Expansion Under PUC Review Sees Wind Farm Opposition**

A geothermal expansion is seeing opposition from Tawhiri Power, which owns the Pikini Nui wind farm and has [filed a document with the PUC](#) saying the additional geothermal energy could cause "severe economic damage to the company." Puna Geothermal Venture, a subsidiary of Ormat Technologies plans to expand the currently 30-MW geothermal facility on the Big Island by an additional 8 MW. The agreement with Hawaii Electric Light Co. is under review by the state Public Utilities Commission.

---

## **International News**



### **Americas**

#### **Chile: Origin Buys 40% Stake in Geothermal Company**

Origin Energy, based in Australia, has [purchased a 40% stake in Energia Andina, a Chilean geothermal exploration company](#) that has permits for eight projects in Chile. The prior owner was state-owned oil refiner Empresa Nacional del Petroleo; meanwhile Antofagasta Plc., based in London, owns the remaining 60%.

"It is our view that geothermal can provide large-scale, renewable, baseload energy and Chile has significant potential," said Origin Executive Director Karen Moses. The company's permitted explorations cover about 553,400 hectares (1.4 million acres) in northern and central Chile.

#### **Nevis: Export-Import Bank Decision Pending for Geothermal Project**

Approval is pending from the [Export-Import Bank of the United States for construction on a geothermal power plant](#) in Nevis. The bank is reviewing loans totaling US\$63 million for the plant: "The bank still has the project under review and consideration," Phil Cogan, vice president of the Bank told press. The Nevis Island Administration has been working on an agreement with Renova Capital and West Indies Power Nevis to guarantee a US\$63 million loan to cover the building of the Nevis plant. The Export-Import Bank has been expected to lend up to US\$55 million

Meanwhile there have been concerns from some in the NIA regarding the feasibility of the project and the experience of West Indies Power. WIPN is a geothermal power company registered in the Netherlands Antilles, and has been involved in drilling wells and working on geothermal projects in Nevis, Dominica and Saba since 2007.

## Pacific

### **Fiji: Geothermal Electric Chief Outlines Benefits for Fiji**

Geothermal energy in Fiji will bring down the cost of power and reduce reliance on fuel import bills, [Geothermal Electric Chief Executive Timothy Daniel told press](#). The company has selected Savusavu as a site for its first geothermal power station due to its hot water springs. "We've done phase one and we're into phase two now, so we're trying to raise capital to go out and begin work which we hope to do very soon," Daniel said.

A second geothermal power station is planned for Labasa if a thermal area is proven. Daniel confirmed about 48 MW available on Vanua Levu and 28 MW on Viti Levu, adding that geothermal could eventually stimulate large-scale industries in Fiji.

### **World: Geothermal Leaders Come Together for International Agreement**

Historic Accord Will Help Push Geothermal Development Across the Globe — Press Release, Washington, DC (May 4, 2011) – The members of several leading national geothermal trade and business associations have joined together to establish an international geothermal business coalition in conjunction with the Geothermal Energy Association (GEA) 2011 Geothermal Energy Technology and International Development Forum.

The new International Geothermal Business Coalition ([www.internationalgeo.org](http://www.internationalgeo.org)), founded by the European Geothermal Energy Council, the US Geothermal Energy Association, the Canadian Geothermal Energy Association, the Australian Geothermal Energy Association, and the Chilean Geothermal Energy Association, will represent the leading companies involved in developing geothermal resources to meet energy needs across the world.

"Supporting a range of government policies that can provide support for the development of geothermal resources is our priority," said Philippe Dumas of the European Geothermal Energy Council. "We will call upon each country to assess the potential of geothermal and develop effective long-term incentives and policy supports for this growing renewable industry."

Geothermal power presently supplies the world with 10,715 Megawatts of electricity in 24 countries on six continents. The potential to use geothermal resources is much greater. With the technology available today and under development for the future, geothermal resources could supply more than 300,000 Megawatts of power, but producing far fewer carbon emissions than from legacy sources.

The new geothermal coalition will work to expand efforts to utilize these valuable geothermal resources in every nation. With the vast potential that geothermal has to create clean, renewable baseload energy and bring jobs to

the nations that embrace it, the coalition leaders will work to ensure that geothermal resources are not ignored in national and international energy plans.

“International and multi-national organizations will also be vital to supporting geothermal resource assessment, technology development, and the development of global policies and financial incentives to expand use of geothermal resources,” said Fernando Allendes, President of the Chilean Geothermal Energy Association, ACHEGEO

The GEA forum, where this new coalition was announced, brought over two hundred industry leaders, foreign diplomats, financiers and government officials together to participate in discussions on the geothermal market today, projects under development in the U.S. and internationally, and the outlook for the future of the geothermal market.

“This gathering has again shown the importance of the growing global geothermal market and how supportive government policies are key to fueling its growth,” said Karl Gawell, GEA Executive Director and Chairman of the Department of Commerce Renewable Energy and Energy Efficiency Advisory Committee. “As we see people across the globe clamoring for safe, clean, and renewable power, the geothermal industry can help meet those demands if government policies recognize the potential of geothermal energy.”

It is vital that we ensure funding and support provided to geothermal will be equal to, if not greater than, that provided to support other technologies,” said Susan Jeanes, Chief Executive of the Australian Geothermal Energy Association.

The U.S. Department of Commerce, the U.S. Department of Energy and industry partners also participated in the GEA forum - including Gold Level Sponsor Atlas Copco and conference sponsors Enel Green Power, Pratt and Whitney, GeothermEx, and the Institute of Earth Science and Engineering.



---

## **Geothermal Heat Pumps and Direct Use**

### **Maine Governor's Office of Energy Independence and Security Provides Geothermal Report**

The Governor's Office of Energy Independence and Security has submitted its findings on policy options and recommendations for incentives for geothermal heating and cooling systems to the Joint Standing Committee on Energy, Utilities and Technology. The report, "Residential Geothermal Heating & Cooling Systems in Maine," provides an overview of geothermal energy in Maine and examines policy options to promote it, as well as develops recommendations for installing such systems particularly in multifamily residences. The report can be found at [www.maine.gov/oeis/publications.html](http://www.maine.gov/oeis/publications.html).



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

---

## **Notices**

### **Closing This Week**

#### **Public Comments Sought, U.S. Forest Service, Humboldt-Toiyabe Geothermal Leasing Project (May 16)**

The Forest Service is now seeking public comments specific to the proposed Humboldt-Toiyabe Geothermal Leasing Project. The proposal will be analyzed in an Environmental Impact Statement (EIS).

Because of the interest in geothermal energy, and the recognized potential for geothermal resources on the eastern side of the Bridgeport Ranger District, the Humboldt-Toiyabe National Forest realizes that continued applications for leasing NFS lands for geothermal activity are likely. Therefore, the Humboldt-Toiyabe National Forest proposes analyzing not only the nominated areas across the Humboldt-Toiyabe National Forest and pending lease applications, but also the Nevada side of the Bridgeport District with a high geothermal interest. By incorporating portions of the Bridgeport District, as well as nominated lands and pending lease applications under one EIS, future nominations and applications may be addressed and consent or non-consent provided to the BLM in a timely manner.

The US Forest Service would consent to up to approximately 667,000 acres of NFS lands be administratively available for geothermal leasing.



Written comments must be submitted to: Keith Whaley, Project Manager, Humboldt-Toiyabe National Forest, Bridgeport Ranger District, HC 62 Box 1000 Bridgeport, CA 93517. Comments may also be sent via email or via facsimile to (760) 932-5899 or [comments-intermtn-humboldt-toiyabe@fs.fed.us](mailto:comments-intermtn-humboldt-toiyabe@fs.fed.us). Please place "Geothermal EIS" in the subject line. In order to be most useful, comments should be received by May 16, 2011.

## **New This Week**

### **Funding Opportunity: Technology Advancement for Rapid Development of Geothermal Resources in the U.S.**

*From Office of Energy Efficiency and Renewable Energy (DOE)* — In early June 2011, the U.S. Department of Energy's Geothermal Technologies Program (GTP) intends to issue a Funding Opportunity Announcement to expand its partnership with the geothermal community on geothermal systems research and development throughout the United States in order to support GTP's goal of lowering the cost of geothermal energy to 6 ¢/kWh. This Notice of Intent is designed to provide an opportunity for potential applicants to begin developing partnerships and begin the process of gathering data to prepare their application.

GTP's goal is to address the high exploration and drilling risks and costs for geothermal development and key technical barriers for enhanced geothermal systems (EGS) in reservoir creation and sustainability. GTP hopes to achieve this goal by obtaining ideas to advance current drilling, reservoir engineering, and characterization technologies in order to identify and develop sustainable reservoirs at lower cost in the following Topic Areas:

- Advanced Exploratory Drilling Technologies
- Advanced Well Completion Technologies
- Zonal Isolation
- Observation Tools and Data Collection System for Reservoir Stimulation
- Geophysical Exploration Technologies
- Geochemistry/Rock-Fluid Interactions

For more information, see the [notice of intent](#) at FedConnect.

### **RFO and Bidders' Conference Coming for 2011 RPS Plan, PG&E (May 19)**

*From PG&E* — On May 4, 2011, PG&E filed its 2011 Renewable Portfolio Standard (RPS) Procurement Plan Compliance Filing in response to D.11-04-030. PG&E plans to issue the 2011 RPS Request for Offers (RFO) on May 11th, pending approval by the California Public Utilities Commission. For those parties interested in finding out more information, draft documents and schedules are available on our website, [www.pge.com/rfo](http://www.pge.com/rfo), by clicking on the "2011 Renewables RFO" link. PG&E plans to hold a Bidders' Conference on May 19, 2011 in San Francisco. If you plan to attend in-person, registration is required. Please submit the appropriate form

(Attachment C to the Solicitation Protocol) to the email address listed below. Call-in and web link details will be available on the website, twenty-four hours before the event. Please email questions or requests for information to [RenewableRFO@pge.com](mailto:RenewableRFO@pge.com).

### **Correction to Notice, Nevada Geothermal Lease Sale Land Nominations**

*From Branch of Minerals Adjudication, BLM* — On March 8, 2011, a Notice of Nevada Geothermal Lease Sale Land Nominations (Notice) was posted announcing acceptance of nominations of lands for competitive geothermal leasing for the geothermal lease sale tentatively scheduled for January 24, 2012. The non refundable filing fee for geothermal nominations reflected in the Notice is changed to comply with the Fiscal Year 2011 Processing and Filing Fee Table contained in 43 CFR §3000.12. The change is noted below in bold.

Each nomination must be submitted with a nonrefundable filing fee of \$105 per nomination plus **\$0.11** per acre of lands nominated. If a land parcel consists of fractional acreage, please round the land acres up to the nearest whole acre. All land nominations must be received by the Nevada State Office no later than June 24, 2011, in order to be considered for the January 2012 Geothermal Lease Sale. Nominations received after June 24, 2011, will be processed for the next sale.

If you have any questions regarding this notice, please call Irene Hoiby at (775) 861-6641; facsimile at 775-861-6710; write to the attention of NV923 .i at the address on this letterhead; or send electronic mail to [ihoiby@nv.blm.gov](mailto:ihoiby@nv.blm.gov).

### **Video: President Obama at ElectraTherm facility in Reno NV**

President Obama held a “Winning the Future” town hall meeting last month at the ElectraTherm facility in Reno NV, which provides Organic Rankine Cycle “Green Machine” units for geothermal and other markets. Watch on YouTube: <http://www.youtube.com/watch?v=U2IFtkXofss>

In the Q&A the President stated his hope to make incentives for geothermal and other clean energies permanent (40-minute mark):

Q. “John Galbraith, Geothermal Resources Council, Mr. President, we applaud and commend you for supporting clean, green, renewable, 24-hour baseload energy. Please describe your thoughts going forward. Can we expect the same?”

A. “You can expect the same. We want to keep on giving the same incentives for clean alternative energies. We want to make sure that, for example, the tax credits that are in place, that we make those permanent so that folks aren’t always in a guessing game each year as to whether or not they’re going to be there for you. We think that needs to be part of an overall comprehensive energy package.”

## Current Notices

### GEA Honors -- Nomination Deadline Extended (July 1)

Deadline for nominations has been extended to July 1, 2011 for entries for the first-ever GEA Honors award program. "We are excited about the awards and the opportunity to recognize the geothermal industry's most innovative and inspiring developments from the past year," said Karl Gawell, Geothermal Energy Association Executive Director. "The GEA Honors will shine a light on the contributions being made by the individuals and companies who are doing an exemplary job of promoting and growing geothermal power." In this inaugural year, awards will be given to GEA member companies in the following categories:

- *Technological Advancement* – Awarded to an individual or company that has developed a new, innovative, and/or pioneering technology to further development
- *Environmental Stewardship* – Awarded to an individual or company that has fostered outstanding environmental stewardship through the use of geothermal systems. Award to be presented in conjunction with the environmental and Energy Study Institute (EESI)
- *Economic Development* – Awarded to an individual or company that has made a substantial contribution to the development of local, regional, or national markets through the development of geothermal systems

Additionally, the GEA Honors will be accepting nominations for special recognition of those individuals and companies who have made outstanding achievements in the geothermal industry. These awards are open to GEA members as well as non-member companies and individuals. To place nominations for GEA Honors 2011 please go to: <http://www.geo-energy.org/GEAHonors.aspx>.

---

## **Employment**

### Employment Opportunities

*Only basic information and contact is given below—more detail on all opportunities listed here is available at [http://geo-energy.org/empl\\_opport.aspx](http://geo-energy.org/empl_opport.aspx).*

#### 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.

**Director – Business Development, GeoTek, Midland, Texas**

GeoTek is an early stage geothermal technology company, focused on maximizing alternative energy resources. We are seeking a Director of Business Development to add to our executive staff. As part of a cross-functional team, this person will manage and develop marketing and expansion opportunities for the company's geothermal energy technology. Qualified candidates should submit a resume to [info@geotekenergy.com](mailto:info@geotekenergy.com)

**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](http://www.chevron.apply2jobs.com) and search by requisition 081116435. All applicants must apply via the Chevron online application process.

**For Students! EPA Summer Employment Program Application Underway**

From EPA: The U.S. Environmental Protection Agency is looking for energetic and highly motivated students for summer employment. [More information and application information is available on the EPA web site.](#)

**Sr. Applications Engineer, ElectraTherm**

Start date: Immediate, Posting Date: 3/9/2011

Contact: Jan Petersen – [jpetersen@electratherm.com](mailto:jpetersen@electratherm.com), 775-398-4680

**Associate Director, California Geothermal Energy Collaborative, UC Davis Energy Institute**

For more information on the position, go to the UC Davis staff web page

<https://www.employment.ucdavis.edu/applicants/jsp/shared/frameset/Frameset.jsp?time=1297906619426>

Click on search button and scroll down to the listing. The Quick link to apply will take you directly to the posting - [www.employment.ucdavis.edu/applicants/Central?quickFind=58431](http://www.employment.ucdavis.edu/applicants/Central?quickFind=58431)

**Sr. Engineer, McHale & Associates, Arvada, CO**

McHale is seeking a Sr. Engineer to conceive, develop and implement projects of major significance to the business plan.

**Consultant to Assess the 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>

**General Manager, Geothermal Exploration, Origin Energy (Indonesia)**

Jakarta based with domestic and international travel. If you are interested in this opportunity or other geothermal opportunities please contact: Jennifer Blake on +617 3867 0022 or email [jennifer.blake@originenergy.com.au](mailto:jennifer.blake@originenergy.com.au).

**NREL Seeking Applicants for Geothermal Analysis Group**

We're looking for applicants with geothermal or related technical backgrounds that have strong analytical skills and good writing/communication skills. If you have any graduate students, post-docs, former undergrads with

some experience, or other contacts that are looking for employment and would be good fits for any of these positions, please forward them the information. They can also apply for the positions online at [http://www.nrel.gov/employment/job\\_openings.html](http://www.nrel.gov/employment/job_openings.html).

### **Senior Level Assistant Site Manager, Operations and Maintenance**

Contact: [Richard@mrspokane.com](mailto:Richard@mrspokane.com) or call 509-340-2852 Ext. 18

### **Senior Principal Geothermal Geologist – Brisbane, Australia**

Shane Stevens / Talent Search Team Manager, Origin

Email: [Shane.stevens@originenergy.com.au](mailto:Shane.stevens@originenergy.com.au) Phone: +61 00 11 73858 0237

### **Vice President Geology, Western US**

Please send resumes to [Bstevens@stmassociates.com](mailto:Bstevens@stmassociates.com)

### **Geothermal Openings, NREL, Boulder, CO**

Go to [http://www.nrel.gov/employment/job\\_openings.html](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](mailto:andrewmatkovic@carmongroup.com)

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

Please contact: Vanessa Van Dyk at Idaho National Laboratory: [Vanessa.VanDyk@inl.gov](mailto:Vanessa.VanDyk@inl.gov), 208-526-6325  
OR apply on line at: [www.inl.gov/careers](http://www.inl.gov/careers)

### **Project Manager**

Contact: Andrew Matkovic, Vice President, The Carmon Group Inc.  
[andrewmatkovic@carmongroup.com](mailto:andrewmatkovic@carmongroup.com) or (216) 539-7668  
*(updated 8/20/10)*

### **Development Manager**

Contact: Andrew Matkovic, Vice President, The Carmon Group Inc.  
[andrewmatkovic@carmongroup.com](mailto:andrewmatkovic@carmongroup.com) or (216) 539-7668  
*(updated 8/20/10)*

### **Project Manager Geothermal Exploration, Europe**

Contact: [drobot@penderfinancial.com](mailto:drobot@penderfinancial.com)

---

## **Requests for Proposals**

### **Closing This Week**



#### **Invitation to Bidding, EEPSCO, Consumables for Geothermal Drilling, Ethiopia (May 16)**

The Ethiopian Electric Power Corporation (EEPCO) now invites sealed bids from eligible and qualified bidders for the procurement of Drilling Consumables under 6 lots. Bidding will be conducted through the International Competitive Bidding (ICB) procedures specified in the World Bank's Guidelines: Procurement under IBRD Loans and IDA Credits dated January 2011, and is open to all bidders from Eligible Source Countries as defined in the Guidelines. Interested eligible bidders may obtain further information from Ethiopian Electric Power Corporation Ethiopian, Aluto Geothermal Power Plant Expansion Project Office; Mexico square, Addis Ababa, Tel.: +251-115-51 25 64 Fax: +251-115-52 57 10 27 attention Ato Mulugeta Asaye; email: [asayemulu@yahoo.com](mailto:asayemulu@yahoo.com). Advertisements are available on the UNDB and dgMarket websites. (4/7/11). Due date is May 16, 2011.

### **Proposal Announcements**

#### **Geothermal Development, Commonwealth of Dominica (June 17)**

Request for Expressions of Interest to Engineer, Procure, Construct and Operate 5-to-10-MW Geothermal Power Plant (Note: The deadline for submission of EOIs has been extended from the 31st of May 2011 until 17th of June 2011).



The Government of the Commonwealth of Dominica intends to proceed for the following services: the construction and operation of a small geothermal plant to provide electricity to the local grid whilst establishing the reaction of the reservoir to exploitation.

The services include:

- the partial or full financing of the drilling at the risk of the investor of 1 full size exploratory geothermal well with the Government of the Commonwealth of Dominica financing the drilling of 2 other exploratory wells;
- the construction of a small, 5 – 10 MW geothermal power plant with the geothermal fluids being re-injected back into the reservoir;
- agreement with the local utility and the Independent Regulatory Commission for the provision of electricity to the local grid.

The Government of the Commonwealth of Dominica now invites companies with the suitable expertise and financial backing to indicate their interest in providing the services. Interested companies must provide information indicating that they are qualified to perform the services (brochures, description of similar assignments in the geothermal industry, experience in project development, experience in power plant operation, availability of

appropriate skills among staff, financial capability, etc.). Companies may associate to enhance their qualifications.

The Client will prepare a short list of about 3-6 candidates to be pre-selected on the basis of the expressions of interest received to whom he will send a Request for Proposals to perform the services. In addition to the requested information, candidates should prepare a document indicating the key issues they wish to be addressed in the request for proposal with regard to project development. Expressions of interest must be delivered to the address below by June 17 (extended from 31st May 2011).

Ministry of Public Works, Energy & Ports

Attn: Mr. Jason Timothy

Project Coordinator

Geothermal Project Management Unit

3rd Floor Government Headquarters

Kennedy Avenue, Roseau

Commonwealth of Dominica

Tel: 767-266-3616/7/8

Fax: 767-448-0182

E-mail: [geothermal@dominica.gov.dm](mailto:geothermal@dominica.gov.dm); [pmu.geothermal@gmail.com](mailto:pmu.geothermal@gmail.com)

### **Call for Expressions of Interest, Geothermal Development Company Ltd, Kenya**

Bogoria-Silali Block Phase I

1. Introduction: Geothermal Development Company Limited (GDC) is a 100% state-owned corporation, tasked with accelerating development of geothermal resources in Kenya. GDC is supporting development of at least 10,000MW by 2030 in line with Vision 2030 targets. GDC is undertaking steam field development in the Bogoria-Silali Block which comprises Bogoria, Baringo, Arus, Korosi, Chepchuk, Paka and Silali prospects. Detailed surface studies estimates the Block's potential to be about 3000 MW. The current plan is to develop 2000 MW within this Block in four phases; Phase I- 800 MW by 2017, Phase II-400 MW by 2019, Phase III-400 MW by 2021 and Phase IV-400 MW by 2023.
2. Status and Electricity Demand: The current peak power demand stands at about 1,200 MW and is projected to grow by 10% to at least 17,000 MW over the next 20 years.
3. Project Development Plan: The 800MW Bogoria-Silali Phase I Geothermal Project in configurations of 8x100MW power plants is projected to be completed by 2017. A total of 200 wells will be drilled using 8 rigs starting in January, 2012.
4. Project Status: Detailed surface studies have been completed and acquisition of regulatory licenses is in progress. Infrastructural development will start from July, 2011.

5. Objective of EoI: GDC intends to short list potential investors to develop 8x100MW power plant units at its Bogoria-Silali Block.

6. Investment Scope

6.1 GDC: Under this project, GDC will undertake Resource Development and Management covering the Development of Civil Infrastructure, Exploration and Appraisal Drilling, Feasibility Studies, Production Drilling, Reservoir, Condensate and Brine System Management.

6.2 Investors: The Investors role will include financing, design, construction, operation and maintenance of the power plants. In addition, subject to positive feasibility study, GDC will require the selected investors to partner in financing the steam development. Funds obtained from the investors, on terms and conditions to be agreed, will be a loan to GDC which will be repaid from steam sales revenues. While steam field is under development, the investor will have the opportunity to install wellhead generation units for early power generation. The Government of Kenya will not provide sovereign guarantees relating to this investment and therefore the investors should seek other alternatives such as MIGA (World Bank)

7. Bidding Timeline: This Expression of interest will result in short listing of interested investors who will be invited to submit proposals. It is expected that the short listing will be completed by September, 2011 followed by request for detailed proposal. The Selection of preferred investors will be completed by December, 2012. The award to the preferred investors will be subject to the investor successfully negotiating a Power Purchase Agreement (PPA) with Kenya Power and Lighting Company Limited (power off-taker), securing a generation license from the Energy Regulatory Commission, conclude a steam (fuel) supply agreement with GDC, obtain ESIA license for power generation from NEMA and conclude financing within ONE (1) YEAR from December 2012. A period of 30 months will be provided for power plant construction.

8. Evaluation Criteria: Interested Investor(s)/Consortium must provide information indicating that they are qualified to successfully undertake the envisioned development. Short listing of Investor(s)/Consortium will be based on the following:

- i. Capability to mobilize adequate financing for the power plant. The expected capital structure for the power plants is at least 25% equity and 75% debt. The interested investor(s)/consortia shall establish that they have the capability to raise at least US\$ 400 million for the development of each 100 MW supported by letters from credible financier(s).
- ii. Certified copies of audited annual reports for the last five years, articles and memorandum of association and certificate of incorporation will be required.
- iii. Evidence of experience in geothermal/thermal project implementation with at least one project of a size not less than 30 MW implemented in the last 10 years.
- iv. A list and CV's of the consultants/ contractors they propose to employ for the development including names of their lead project managers within their organizations, contractors and consultants.
- v. A list of names, location, current power plant(s) status and size of geothermal/thermal projects undertaken by themselves or their proposed consultants and contractors in the last 10 years including indicative project costs.

iv. Declaration of all pending litigation(s) against the investor(s)/consortia which shall in total not represent more than 10%, (ten percent) of the investor(s)/consortia's net worth.

Interested investors may request in writing for further information and clarifications on this matter at the following address

Manager, Supply Chain

Geothermal Development Company Limited,

Taj Tower, 9th Floor, Upper Hill Road, Upper Hill

P.O. Box 100746 – 00101

NAIROBI, KENYA

E-mail: [asaat@gdc.co.ke](mailto:asaat@gdc.co.ke) and copy to [pngugi@gdc.co.ke](mailto:pngugi@gdc.co.ke)

Any updates on this EOI will be posted on the GDC website: [www.gdc.co.ke/tenders](http://www.gdc.co.ke/tenders)

9. Submission of Expressions of Interest: One (1) Original and two (2) Copies, of Expressions of Interest in English and in a sealed envelope, superscribed "Expressions of Interest, - Bogoria – Silali Block Phase I: Development of 800 MW Geothermal Power Plants" and bearing the address below, must be deposited in the Tender Box on the 1st Floor, GDC Riverside Office, Riverside Drive, Nairobi no later than 14:00hrs on August 8, 2011. All late submissions will be rejected.

The Managing Director & CEO,

Geothermal Development Company Limited,

Taj Tower, 9th Floor, Upper Hill Road, Upper Hill

P.O. Box 100746 – 00101

NAIROBI, KENYA

E-mail: [md@gdc.co.ke](mailto:md@gdc.co.ke)

GDC reserves the right to reject any or all Expressions of Interest without engaging any investor whatsoever.

### **Nevada Accepting Land Nominations for January 2012 Geothermal Lease Sale (June 24)**

The Nevada State Office is now accepting nominations of lands for competitive geothermal leasing for the next [geothermal lease sale that is tentatively scheduled for January 24, 2012](#). Land nominations must be submitted on Department of the Interior (DOI), Bureau of Land Management (BLM) Form 3203-1, and comply with 43 CFR 3203 (72 FR 24406, May 2, 2007). Please refer to these regulations for nomination requirements regarding maximum acreage, acceptable land descriptions, and nominating parcels as a block. These regulations may be found at: <http://ecfr.gpoaccess.gov/> under Title 43, Volume 2, Chapter II, Part 3200. All land nominations must be received by the Nevada State Office no later than June 24, 2011, in order to be considered for the January 2012 Geothermal Lease Sale. Nominations received after June 24, 2011, will be processed for future sales. Questions, please call Irene Hoiby at (775) 861-66641; facsimile at 775-861-6710; [ihoiby@nv.blm.gov](mailto:ihoiby@nv.blm.gov).

## Refurbished 27-MW Marine Turbine, Ram Power

This turbine, originally designed by Westinghouse for aircraft carrier service, has been completely refurbished for geothermal service. It has been re-rated to 27,350 kW at design inlet conditions of 469,875 lb/h 60 psig, 307F inlet conditions; 3.0" HgA exhaust. At a steam flow of 431,215 lb/h, it is expected that the turbine will produce 25,100 kW.

New engineering performed for this machine includes: New steam path engineering and all new manufacturing/performance drawings are available, including interstage and inner gland steam sealing manufacturing drawings, turbine clearance diagrams, rotor lifting diagrams, and new flow path performance curves at the anticipated steam flow rates.

Hardware includes: New 5 stage rotor, new diaphragms, generator and governor end gland steam packing sets, interstage packing sets, T1 and T2 axial aligning journal bearings, one high capacity active thrust bearing and one high capacity inactive thrust bearing, with directed lubrication and temperature sensors. The machine is set up for mounting five Bently Nevada XL-8mm proximity probes. Also included in the sale package are: turbine casing testing, final turbine assembly check, preparation and compilation of all material certifications, test reports and QA documents. The complete package (rotor, diaphragms, seals, and casings) can be prepared for ocean transport with appropriate preservation for short-term storage.

Turbine current delivery date is 3-4 months after a purchase agreement is established, ex-works Houston, TX, USA. Please contact [info@ram-power.com](mailto:info@ram-power.com) for further information.

## Alaska Fairbanks North Star Borough Offers \$1M Matched-Funds Grant

Alaska's Fairbanks North Star Borough is putting out a \$1 million grant through the Department of Energy for geothermal energy exploration for the proposal venture that can provide matching funds. Former Mayor Jim Whitaker initiated the request based on positive results of deep well testing 50 years ago. Luke Hopkins, Mayor of Fairbanks North Star Borough said researchers at the University of Alaska Fairbanks have shown interest. The goal is to find out whether the university's existing power plant could be replaced with a geothermal power plant.

See <http://www.azocleantech.com/details.asp?newsID=12786>, Fairbanks North Star Borough

<http://www.co.fairbanks.ak.us/>, PDF: <http://co.fairbanks.ak.us/Meetings/Ordinances/2010/2010-20-1o.pdf>

---

## **Events**



### **Happening This Week**

#### **GEA Team to Power Brita Climate Ride (May 13-17)**

GEA has assembled a team (Director of Events, Membership & Marketing Kathy Kent, Editor and Media/Outreach Director Leslie Blodgett, and PR associate Shawna Seldon) to participate in the Brita Climate Ride from New York City to Washington, DC, May 13–17. The 5-day ride begins in Manhattan and passes through Princeton, Pennsylvania Amish Country, and Maryland horse country. The ride ends at the US Capitol where riders will have a chance to meet with Congressional representatives.

Climate Ride is a non-profit organization that puts on fully supported, charitable bike rides to support sustainable solutions and environmental causes. Participation in the event helps provide finances and awareness to renewable energy and environmental causes. You can contribute to help us reach the donation goal at: <http://climateride.donordrive.com/index.cfm?fuseaction=donorDrive.team&eventID=501&teamID=5027>

Special thanks to the Geothermal Energy Association, Atlas Copco, and other Climate Ride donors.

#### **Geothermal Reporter Training, ONRR, Reno NV (May 10-12, tentative)**

ONRR (formerly MMS) is planning a Geothermal Reporter Training, possibly for Reno, later this spring. Contact Leona Reilly, Minerals Revenue Analyst, Office of Natural Resource Revenue  
303.231.3024 Fax 303.445.4245  
[leona.reilly@onrr.gov](mailto:leona.reilly@onrr.gov)

### **New This Week**

#### **14th Annual Congressional Renewable Energy & Energy Efficiency EXPO + Forum, Sustainable Energy Coalition, Washington DC (June 16)**

*From Sustainable Energy Coalition* — Efficiency + Renewables = Economic & National Security! On June 16, the Sustainable Energy Coalition - in cooperation with Members of the U.S. House of Representatives and U.S. Senate Renewable Energy & Energy Efficiency Caucuses - will host the 14th annual Congressional Renewable Energy & Energy Efficiency EXPO + Forum.

This year's EXPO will bring together over fifty businesses, sustainable energy industry trade associations, government agencies, and energy policy research organizations (see list to-date below) to showcase the status and near-term potential of the cross-section of renewable energy (biofuels/biomass, geothermal, solar, water, wind) and energy efficiency technologies. The late morning program will feature Members of the U.S. Congress

while speakers throughout the day will discuss the role sustainable energy technologies can play in meeting America's energy needs.

As Congress, the Administration, the business community, environmental advocates, and American voters search for options to stimulate the economy and "green jobs," as well as address issues of national security, higher energy costs, increased reliance on energy imports, and the environmental threats associated with energy consumption, the EXPO will help address the role that sustainable energy technologies might play. This will include not only the technical aspects of renewable energy and energy-efficient technologies but also related issues such as economics, jobs potential, environmental benefits, current and near-term market potential, model programs in the public and private sectors, and institutional, financial and legal barriers.

The EXPO is free, open to the public, and no RSVPs are required.

#### When

Thursday, June 16, 2011

9:30 am - 4:30 pm (exhibits open for viewing)

11:30 am – presentations by Members of Congress (to be announced)

9:30 - 4:30 pm – Administration (see list to-date below), exhibitor speakers (to be announced)

Cannon House Office Building - Caucus Room, U.S. House of Representatives: Independence Avenue and New Jersey Avenue SE; Washington, DC

#### For More Information

Contact Ken Bossong, Sustainable Energy Coalition\*

301-270-6477 x.11; kbossong614@yahoo.com

\*Founded in 1992, the Sustainable Energy Coalition is a coalition of 22 national business, environmental, and energy policy organizations supporting aggressive development of renewable energy and energy efficient technologies.

#### Speakers Confirmed to Date

Heather Zichal, Deputy Assistant to the President for Energy and Climate Change

John R. Norris, Commissioner - Federal Energy Regulatory Commission

Philip D. Moeller, Commissioner - Federal Energy Regulatory Commission

Henry Kelly, DOE Acting Assistant Secretary for Energy Efficiency & Renewable Energy

### Exhibitors Confirmed to Date

Abengoa Solar, Advanced Biofuels Association, Advanced Biofuels USA, AFC First Financial Corporation, American Biogas Council, American Council On Renewable Energy/Biomass Coordinating Council/LACORE, American Wind Energy Association, Beacon Power, Bob Lawrence & Associates, Business Council for Sustainable Energy, Continuum Energy Solutions, Demand Response & Smart-Grid Coalition, Dialight Corporation, Enervation Lighting, Environmental & Energy Study Institute, EPA's ENERGY STAR Program, Fuel Cell & Hydrogen Energy Association, Fuel Cells 2000, Geothermal Energy Association, Geothermal Exchange Organization, GHD Inc., Harmonics Limited, Hearth & Home Technologies, Maryland Energy & Sustainability Cooperative, Metropolitan Building Consulting Group, Mid-Atlantic Passive House Alliance, National Biodiesel Board, National Hydropower Association, National Renewable Energy Laboratory, Ocean Power Technologies, Inc., Ocean Renewable Energy Coalition, Oerlikon Solar, Resolute Marine Energy, Inc., Solar Energy Industries Association, Solar Energy World, Solar Solution LLC, Star Island Bahamas, Sunoptics High Performance Prismatic Skylights, The Stella Group Ltd., U.S. Clean Heat & Power Association, Viridity Energy, Inc., Water Management

### **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>

### **GEA Events**

#### **GEA National Geothermal Summit, Reno, NV (August 16-17)**

GEA is planning its first National Geothermal Summit for Reno, August 16-17. Watch for more information on this event from GEA, or contact Kathy Kent at [kathy@geo-energy.org](mailto:kathy@geo-energy.org).

#### **GEA 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](mailto: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****Geothermal Research Symposium, Colorado School of Mines (May 23–24)**

*From Colorado School of Mines:* [We are] pleased to announce a two-day joint Geothermal Research Symposium with the National Renewable Energy Laboratory, the Colorado Governor's Energy Office and the NAVY geothermal program on May 23 and 24th, 2011. This is the first geothermal symposium that focuses on research to identify evolving research needs from different stakeholders and to identify innovative technologies and ideas for the development of modern geothermal energy. Following this two-day research symposium, a geothermal field trip is planned by Dr. Stuart Simmons. We especially welcome graduate students and young professionals/academics. There will be a limited amount of scholarship funding available for graduate students. For further information and instructions on abstract submissions visit: [www.mines.edu/Educational\\_Outreach](http://www.mines.edu/Educational_Outreach)

**California Geothermal Energy Collaborative Summit, Mammoth Lakes, CA (May 26-27)**

The California Geothermal Energy Collaborative will be holding its annual Geothermal Forum on May 26th and a Long Valley Field Trip on May 27th Registration is now OPEN at <http://www.regonline.com/2011geoforum>. Information on the Forum, Field Trip and directions to the Mammoth Mountain are also available. The day before the CGEC Forum (May 25th), the Geothermal Resources Council is holding a Technical Workshop. For more information and to register for their event, go to the GRC website at [www.geothermal.org/works.html](http://www.geothermal.org/works.html)

**Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory, Dallas, TX (June 13–15)**

<http://smu.edu/geothermal/>

**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>

### **CanGEA Events (September and November)**

September 14th, 2011 - Toronto, ON, Geothermal Investment Forum and Networking Event

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

---

### **GEOTHERMAL ENERGY WEEKLY**

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

Copyright © 2011 Geothermal Energy Association

209 Pennsylvania Avenue SE, Washington, D.C. 20003

Phone 202-454-5261 Fax 202-454-5265

[leslie@geo-energy.org](mailto:leslie@geo-energy.org)

