



This Week

April 8, 2011

National News.....	4
Climate Change a Central Issue in Washington Gridlock.....	4
Mark Udall, Tom Udall Introduce Renewable Energy Standard Legislation.....	5
GOP 2012 Budget Plan Calls for Expanded Oil-and-Gas Production.....	6
Breaking News: Geothermal Credit Extension Bill Introduced.....	6
Company News.....	7
Capricorn: Caldera Geothermal Acquires 8,575 Acres of New Geothermal Leases in Nevada.....	7
Gradient Resources: Construction to Begin on 60-MW Nevada Patua Binary Plant.....	7
Ormat Technologies: 20-Year PPA Signed for Olkaria III Expansion in Kenya.....	8
Ram Power: Fourth Quarter and 2010 Year End Results Announced.....	8
GEA: Building A Geothermal Generation, Students Offered Free Membership in Geothermal Web.....	9
Renewable Energy and Climate Change.....	10
Renewable Energy Provided 11% of Domestic Energy Production in 2010.....	10
Wind Now as Cheap as Natural Gas, says AWEA.....	11
State News.....	11
Colorado: BLM, State Collaborate for Geothermal Development.....	11
International News.....	11
Europe.....	11
Austria: Combined Use Suggested for CCS and Geothermal.....	11
Pacific/Asia.....	12

China: Edge on U.S. Energy Industry Increases 12

Indonesia: Chevron May Expand Capacity of Geothermal Bloc; EDC and WWF to Spread Philippines’
Geothermal Success 12

Japan: Geothermal Resources Can Bridge Energy Gap..... 12

New Zealand: Geothermal Power Equipment Order to Come from Toshiba 13

Philippines: Kalinga Supports Geothermal Project Potential; Northern Negros Plant Temporarily
Recommissioned..... 13

Geothermal Heat Pumps and Direct Use 13

 New Geothermal Heat Exchanger Being Tested in Oklahoma City 13

Notices 14

 New This Week 14

 CORRECTION to Last Week’s GEW..... 14

 GEA Honors -- Nomination Deadline Extended (July 1)..... 14

 Current Notices 15

 Global Geothermal Installed Capacity Could Double, Says Pike Report 15

For Students! Princeton Review and Entrepreneur Magazine Rank Top 16 Green MBA Programs 15

Employment..... 16

 New This Week 16

 Director – Business Development, GeoTek, Midland, Texas 16

 Employment Opportunities..... 16

 Reservoir Engineering Manager – Geothermal, Chevron, Jakarta, Indonesia 17

For Students! EPA Summer Employment Program Application Underway..... 17

 Sr. Applications Engineer, ElectraTherm 17

 Associate Director, California Geothermal Energy Collaborative, UC Davis Energy Institute..... 17

 Sr. Engineer, McHale & Associates, Arvada, CO 17

 Consultant to Assess the Geothermal Market in Turkey, EBRD 17

 General Manager, Geothermal Exploration, Origin Energy (Indonesia)..... 17

 NREL Seeking Applicants for Geothermal Analysis Group 17

 Senior Level Assistant Site Manager, Operations and Maintenance 18

 Senior Principal Geothermal Geologist – Brisbane, Australia 18

 Vice President Geology, Western US..... 18

 Geothermal Openings, NREL, Boulder, CO 18

 Drilling Manager, NV..... 18

 Renewable Energy Mechanical/Systems Engineer, Idaho International Laboratory, ID 18

 Project Manager..... 18

 Development Manager..... 18

Project Manager Geothermal Exploration, Europe 18

Requests for Proposals..... 19

New This Week..... 19

Invitation to Bidding, EEPSCO, Consumables for Geothermal Drilling, Ethiopia 19

RFP, Renewable Energy, Arizona Public Service—April 19 Web Conference 19

Call for Expressions of Interest, Geothermal Development Company Ltd, Kenya 19

Proposal Announcements..... 21

Nevada Accepting Land Nominations for January 2012 Geothermal Lease Sale 21

Comments Sought on Senate CES White Paper (April 11)..... 22

Immediate Drilling Rig & Crew Availability (March–April 2011) 22

Refurbished 27-MW Marine Turbine, Ram Power 22

Alaska Fairbanks North Star Borough Offers \$1M Matched-Funds Grant 23

Partner Sought for Hot Oil and Gas Wells, Mississippi..... 23

Events..... 23

Happening This Week..... 23

An Overview of Geothermal Energy, AAPG 2011 Annual Convention & Exhibition, Houston, Texas (April 10) 23

GEA Events..... 24

Calendar of 2011 GEA and GEA-Sponsored Events 24

Geothermal Energy Technology and International Development Forum, Washington, DC (May 4)..... 24

GEA Team to Power Brita Climate Ride—Your Contributions Needed (May 13-17) 25

GEA National Geothermal Summit, Reno, NV (August 16-17) 26

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

Why Should You Attend GEA Events? 26

Other Events 27

CGEC Events Announced for Spring 2011 27

Geothermal Reporter Training, ONRR, Reno NV (May 10-12, tentative)..... 27

National Geothermal Academy, University of Nevada, Reno (June 20 to August 12) 27

Geothermal Energy Utilization Associated with Oil and Gas Development, SMU Geothermal Laboratory, Dallas, TX (June 13–15) 27

CanGEA Events (September and November) 27



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



National News

Climate Change a Central Issue in Washington Gridlock

EPA climate regulations have apparently taken center stage as the House and Senate seek to prevent a government shutdown from happening this evening. Lawmakers on the House and Senate Appropriations panels have set a goal of cutting billions in spending from government programs in this fiscal year, but apparently compromise on budget cuts has not cooled the playing field as issues like EPA's pending climate regulations create a government impasse.

The House had included in its Continuing Resolution, which funds the government for the remainder of the year, a rider that would block EPA from regulating greenhouse-gas emissions and repeal the agency's finding that such gases pose a threat to human health and welfare. The Senate and Administration have insisted that this rider must be removed. To emphasize their respective positions, both the House and Senate took separate action on the issue of EPA climate regulations this week.

At a Pennsylvania wind turbine production facility earlier this week, [President Obama appealed to Congress](#) to "act like adults," saying a compromise had been reached "but somehow we still don't have a deal." He favors cuts to the budget and consolidating programs, but not in areas like research, smart grids and education. "I want to make sure we're cutting the right things," he said. "Don't protect things we don't need and get rid of things we do."

In addition to the CR, the House voted 255-172 on a bill authored by House Energy and Commerce Committee Chairman Fred Upton (R-MI) to block the EPA climate regulations. House Republicans rejected four separate amendments proposed by Democrats, including a proposal to accept the EPA finding that climate change poses a threat to the public.

Meanwhile the Senate rejected a GOP-backed amendment to permanently block the EPA's authority to regulate greenhouse gas emissions. The final vote count was 50-50 — 60 votes were needed for passage.

The White House [continues to oppose GOP efforts to include EPA riders](#) in a spending bill. "As the administration has made clear, the funding bill should not be used to further unrelated policy agendas, and we remain opposed to riders that do that, including as it relates to the environment," Clark Stevens, a White House spokesman told press.

U.S. Sen. Lisa Murkowski, R-Alaska, commented on the four efforts to prevent EPA climate regulation, supporting Congress as the proper legislative decision-making body:

"Imposing energy taxes through EPA's command-and-control regulations will destroy jobs, increase costs of living, and reduce growth and innovation. We need a permanent fix for the EPA's efforts to implement backdoor climate regulations.

"Elected members of Congress should be the ones setting our nation's energy and climate policies – not unelected bureaucrats at the EPA. While no single one of the amendments considered today secured the 60 votes necessary for passage, together they send a very clear message that a majority of the Senate is opposed to the EPA imposing economic burdens on our families and businesses.

"Given the broad interest in reigning in the EPA, we will continue to look for every opportunity to block these economically damaging regulations," Murkowski said.

On Thursday, Energy Secretary Steven Chu sent a memo to employees ensuring no immediate furloughs saying "no year" appropriations dollars rolled over from previous cycles meant [all DOE employees were expected to show up to work](#) next week, though this could change depending on the length of the potential shutdown. "Should it become necessary to implement our contingency plans, you will receive formal notice from your manager regarding the designation of your position and furlough status," he told employees.

Clearly, in just a few months, the battleground of the new Congress sees climate change on the front lines. And the CR is just the beginning. If Congress can work out a deal to keep the government running for this fiscal year, it will still need to raise the national debt ceiling in May, which will be another opportunity for riders to emerge. At that point they will need to agree on funding bills for FY 2012 by the end of September.

No matter what the outcome may be on climate change and similar riders in the CR, it will be just one battle in what could be a long, drawn-out war.

Mark Udall, Tom Udall Introduce Renewable Energy Standard Legislation

Senators Continue Long Fight to Enact National RES Press Release [\[Full story\]](#), Washington DC, April 6 — U.S. Senators Tom Udall (D-NM) and Mark Udall (D-CO) today continued their fight to enact a federal Renewable Energy Standard (RES) by introducing legislation that would require utilities to generate 25 percent of their electricity from wind, solar and other renewable energy sources by 2025.

The bill would set the first national threshold for utilities to provide a certain percentage of their electricity from renewable resources - with a 6 percent requirement by 2013, followed by gradual increases thereafter to meet the 25 percent by 2025 goal.

The senators first introduced a similar initiative in 2002 while members of the House of Representatives. The two eventually built a coalition in the House and won passage of an RES amendment in 2007. Tom and Mark Udall, who are first cousins, first introduced the legislation in the Senate after being elected in 2008, and are joining forces again in hopes of finally passing a national RES into law.

"Americans want to put our nation on a path towards energy independence, and this bill is our best chance to get America running on homegrown energy while creating good jobs for hardworking Americans," said Tom Udall. "Studies show that a federal RES would reduce energy bills, revitalize rural America, slow global warming and strengthen our energy security. With American innovation and ingenuity, we can put our people to work in a thriving, clean energy economy."

"I was proud to lead the effort in Colorado to pass one of the country's first Renewable Electricity Standards - and it has helped the state create over 30,000 new good-paying jobs and spurred the growth of one of the strongest renewable energy sectors in the country," said Mark Udall. "We can do the same thing across the country with a robust national RES. A national RES would unleash innovation, helping America compete for renewable energy manufacturing jobs and lead in the global economic race."

GOP 2012 Budget Plan Calls for Expanded Oil-and-Gas Production

A 2012 budget proposal unveiled Tuesday and authored by House Budget Committee Chairman Paul Ryan (R-Wis.) would [boost oil and gas production](#) while cutting incentives for other energy technologies. Although it does not specify which incentives would be cut, Republicans have been critical of those for renewable energy. "This budget removes moratoriums on safe, responsible energy exploration in the United States, ends Washington policies that drive up gas prices, and unlocks American energy production to help lower costs, create jobs, and reduce dependence on foreign oil," the proposal says. Details on the proposed House FY 2012 Budget: <http://budget.house.gov/fy2012budget/>.

Breaking News: Geothermal Credit Extension Bill Introduced

Yesterday, representatives Dean Heller (R-NV) and Earl Blumenauer (D-OR) introduced a bill to extend geothermal tax credits (bill number HR 1384). Look for additional news coming soon from the offices of the representatives and from GEA.



Company News

Capricorn: Caldera Geothermal Acquires 8,575 Acres of New Geothermal Leases in Nevada

Press Release ([Full story](#)), April 3 — Capricorn Business Acquisitions Inc. ("Capricorn") (TSX VENTURE:CAK.P), a capital pool company, is pleased to convey an update received from Caldera Geothermal Inc. ("Caldera"), with whom Capricorn has signed a binding letter of intent to complete a Qualifying Transaction as disclosed in its press release dated April 8, 2010 and amended as disclosed in its press release dated December 9, 2010. Caldera is pleased to announce the acquisition of two key geothermal lease parcels totalling 8,575 acres at the 2011 Bureau of Land Management geothermal lease auction held in Reno, Nevada on March 22, 2011. These new leases bring Caldera's total geothermal lease holdings to 28,448 acres. The total cost for the parcels was USD \$54,170.

The two parcels expand Caldera's acreage at its Teels Marsh and Rhodes Marsh properties, which are both "blind" geothermal systems where thermal waters do not reach the surface. Both were identified by subtle surface indicators, including shallow (2m) temperature anomalies. Geoprobe work at Teels Marsh in 2010 confirmed the presence of a geothermal system by finding thermal waters up to 97°C at ~30m depth below the shallow temperature anomalies. Geochemistry from a thermal well at Rhodes Marsh suggests a ~150°C reservoir.

Gradient Resources: Construction to Begin on 60-MW Nevada Patua Binary Plant

Press Release ([Full story](#)), RENO, Nev, March 10 — Gradient Resources ("Gradient"), a vertically integrated developer of geothermal energy projects, announced today that it has executed an engineering, procurement and construction ("EPC") contract with Science Applications International Corporation's (SAIC) [NYSE: SAI] wholly-owned, design-build subsidiary, Benham Constructors LLC, for the delivery of a new 60 (net) megawatt ("MW") modular binary cycle power plant at its Patua project in northern Nevada. SAIC's technology partner for this project is TAS Energy Inc. (TAS), of Houston, Texas.

Gradient's Patua site, near Fernley NV, is the company's first geothermal power plant. Drilling at Patua recommenced in February 2010. Physical construction of the first 60 MW phase of the power plant will begin in the second quarter of 2011; and the anticipated date for commercial operations is the 3rd quarter of 2012.

"Gradient is pleased to achieve this significant milestone in the development of its Patua project," said Craig Mataczynski, CEO. "The opportunity to partner with strong companies like SAIC and TAS will help make the project successful and support continued development of the geothermal industry."

Ormat Technologies: 20-Year PPA Signed for Olkaria III Expansion in Kenya

Press Release ([Full story](#)), April 4 — Ormat Technologies, Inc. (NYSE: ORA) announced today that its subsidiary, OrPower 4, Inc., signed a 20-year power purchase agreement (PPA) amendment with Kenya Power and Lighting Company Limited (KPLC) to purchase an additional 36 megawatts (MW) of clean energy output from a new power plant at the Olkaria complex. The new plant will be constructed adjacent to the existing 48MW Olkaria III geothermal power plant near Lake Naivasha, Kenya. The new power plant is scheduled to come online in 2013.

The PPA amendment includes an option to increase the combined 84MW capacity from the new and existing plants to up to 100 MWs subject to monitoring and assessment of the geothermal reservoir capacity. Ormat built the first 48 MW plant in three stages in parallel to the resource development, allowing the Company to advance revenue generation and long-term resource testing at commercial conditions. The first stage commenced in August 2000 with 8MW and was developed as part of the initial appraisal of the Olkaria III reservoir. This was followed by commercial well drilling and construction of a second and third stage to reach the 48MW target capacity, which was achieved in January 2009.

Ram Power: Fourth Quarter and 2010 Year End Results Announced

Press Release ([Full story](#)), Reno, Nevada, April 1 — Ram Power, Corp. (TSX: RPG) ("Ram Power" or the "Company"), a leading renewable energy company focused on the development, production and sale of electricity from geothermal energy today reported its fourth quarter and audited financial and operating results for the fiscal year ended December 31, 2010. This earnings release should be read in conjunction with Ram Power's MD&A and financial statements, which are available on the Company's website at www.ram-power.com and have been posted on SEDAR at www.sedar.com.

Concurrent with today's release, Walt Higgins, Interim President and CEO of Ram Power, said, "Ram Power is currently in a much better position to execute its strategic business plan. We are taking positive steps to better control our business of developing, producing and selling geothermal energy through the engagement of resource experts and the addition of qualified professionals to the Company's staff. We are very pleased with the results we have seen recently in the development of our San Jacinto resource, and further believe the steps we have taken are in the best interest of our Company and our shareholders."

GEA: Building A Geothermal Generation, Students Offered Free Membership in Geothermal Web

Press Release, Washington, DC (April 4, 2011) – The Geothermal Energy Association’s (GEA) Geothermal Web has, from its inception, brought together a public network of geothermal energy industry leaders to emphasize the growth of geothermal energy as a green, renewable, sustainable energy source and showcase geothermal opportunities throughout the United States.

Now, the [Geothermal Web](#) is opening to bring the next generation of geothermal leaders into the industry by offering complementary membership to the Geothermal Web for all students. Membership in the Web allows students to harness their interest in geothermal energy while connecting with other students, geothermal supporters, and company representatives around the nation. This month the Geothermal Web [features students](#) from McGill University, University of California, and Southern Methodist University and new students will be featured each month.

“The Geothermal Web, originally conceived as tool for industry, has become an invaluable resource for both industry professionals and academics alike,” said Ryan Libbey, an MSc Candidate at McGill University in Earth and Planetary Sciences. “Perhaps what excites me most about the Geothermal Web is that it aids in bridging these two, often isolated, realms.”

The Geothermal Web includes a student resources section which highlights GEA reports and information guides and links to external reports and Web sites which offer useful information for students interested in geothermal energy. Students in the Geothermal Web also have access to many job openings in the geothermal sector posted from GEA members and can attend a Geothermal Job Fair at the GEA National Geothermal Summit in Reno, NV on August 17.

“It is an exciting time to be involved with the geothermal industry with a growing emphasis on green technology and the possibility to apply new and emerging technologies to geothermal systems,” said Andrew Fowler, a graduate student in the Department of Geology at the University of California, another new student member of the Geothermal Web.

The Geothermal Energy Association invites students to join the Geothermal Web by registering with a simple [online application](#). Students can also follow the geothermal industry, hone networking skills, and connect with others in the geothermal community by joining GEA on [Facebook](#), [Twitter](#) and [LinkedIn](#). Students who would like to be featured should contact Kathy Kent at Kathy@geo-energy.org for more information.



Renewable Energy and Climate Change

Renewable Energy Provided 11% of Domestic Energy Production in 2010

Electricity from Non-Hydro Renewables Grows 16.5% While Nuclear Power's Share Drops — Press Release, Sun Day Campaign, April 5 — Washington DC – According to the most recent issue of the "Monthly Energy Review" by the U.S. Energy Information Administration (EIA), nuclear power and renewable energy sources are now neck-in-neck with nuclear power's share of domestic energy production dropping while that from renewable sources growing rapidly. The share of domestic U.S. energy production derived from renewable energy sources (i.e., biomass/biofuels, geothermal, solar, water, wind) rose to 10.92% in 2010, up from 10.65% in 2009. By comparison, nuclear power's share of domestic energy production dropped from 11.48% in 2009 to 11.26% in 2010.

Looking at the full energy sector (i.e., electricity, transportation, thermal, and other end-uses), overall domestic production of renewable energy, including hydropower, increased by 5.6% in 2010 compared to the previous year. However, non-hydro renewables increased by 11.6% from 2009 to 2010. Among renewable energy sources, biomass and biofuels combined accounted for 51.98% of the total, followed by hydropower (30.66%), wind (11.29%), geothermal (4.68%), and solar (1.38%). Comparing 2010 production to that in 2009, wind energy increased by 28%, biomass/biofuels by 10%, and solar and geothermal by 4% each. Hydropower dropped by 6%.

Looking at just the electricity sector, the latest issue of EIA's "Electric Power Monthly," with full-year data for 2010, reveals that non-hydropower renewable energy sources (i.e., biomass, geothermal, solar, wind) increased by 16.5% over 2009 and provided 4.08% of net U.S. electrical generation. Renewables, including hydropower, accounted for 10.32% of net electrical generation. During 2010, solar increased by 45.8%, wind grew by 28.1%, geothermal expanded by 4.4%, and biomass increased by 3.7%. Among the non-hydro renewable sources, wind accounted for 56.3%, biomass for 33.6%, geothermal for 9.3%, and solar for 0.8%. Nuclear power's share of net electrical generation dropped from 20.22% in 2009 to 19.59% in 2010.

“Against the backdrop of the on-going nuclear disaster in Japan and the pressure for financial belt-tightening at home, the U.S. government's latest energy statistics once again confirm that limited federal dollars are far better invested in rapidly expanding renewable energy technologies and not in the black hole that is nuclear power,” said Ken Bossong, Executive Director of the SUN DAY Campaign.

Wind Now as Cheap as Natural Gas, says AWEA

At a finance workshop in New York, representatives of the American Wind Energy Association (AWEA) told investors the [average 20-year PPA for wind is now even with natural gas](#) at 6 cents per kilowatt-hour. The lowered cost is attributed to industry competitiveness and technological breakthroughs over the past year or so. "Costs have dropped dramatically, even over the last 18 to 24 months," said Elizabeth Salerno, AWEA's chief economist and data analysis director.

AWEA reps said that wind turbines assembled in the United States now get 50% of their content domestically, a figure that has doubled in the last five years, easing delivery of equipment, while projected future wind demand is pushing companies to slash operating costs. About 5,116 MW of installed wind capacity was added to the U.S. grid in 2010.

State News

Colorado: BLM, State Collaborate for Geothermal Development

The [Bureau of Land Management and the Colorado Department of Natural Resources have signed an MOU regarding geothermal resources](#) that ensures information exchange between agencies when nominations to lease geothermal parcels are received. Lessees will also be notified of state and federal laws and regulations related to water rights, rights-of-way issues and protection of existing geothermal features. "The Bureau supports renewable energy development on public lands to meet the nation's energy needs," said Helen Hankins, Bureau of Land Management Colorado State Director. "By working with the state, we want to make it easier to take advantage of opportunities for geothermal energy development."

International News

Europe

Austria: Combined Use Suggested for CCS and Geothermal

Frank Schilling of the Karlsruhe Institute of Technology, Germany offered a possibility for [combining the use of carbon capture and sequestration \(CCS\) and geothermal energy](#) as he spoke to press at the EGU Assembly in Vienna. Geothermal could enhance the storage potential of CCS, he said, by replacing hot water in thermal aquifers with carbon dioxide, and returning cold water to higher levels, making leakage of carbon dioxide less likely, as well as decreasing the pressure, which would allow for additional storage space.

Pacific/Asia

China: Edge on U.S. Energy Industry Increases

China's advancements in renewable energy are [spurred by the China Development Bank Corp.](#), which holds nearly twice the assets of the World Bank. It has agreed to lend \$35.4 billion to China solar and wind companies in 2010, compared to the \$4 billion in grants and \$16 billion in loan guarantees to American solar and wind. The U.S. now lags behind both China and Germany in the field it has termed the "next Sputnik."

Indonesia: Chevron May Expand Capacity of Geothermal Bloc; EDC and WWF to Spread Philippines' Geothermal Success

Chevron [may increase the capacity of its geothermal power plant](#), Yanto Sianipar, Vice-President for Policy, Government and Public Affairs told press. "We are evaluating the possibility of increasing the capacity of the bloc we are operating," he said. The company plans to conduct a geology, geophysics and geochemical exploration at its geothermal field in Lampung. Chevron supplies 60% of Indonesia's geothermal energy.

Meanwhile, Energy Development Corporation (EDC) and World Wide Fund for Nature, Philippines (WWF-Philippines) have joined forces for the Ring of Fire initiative to [expand the success that the Philippines has seen in the field of geothermal development](#) to Indonesia and potentially to other parts of Asia. The goal of the initiative is to increase installed geothermal capacity by 150% by 2015 and by 300% by 2020. Environmental issues, energy security, and climate change will also be addressed. EDC's 50-MW Mindanao 3 geothermal project in North Cotabato will serve as a benchmark for future projects. "We will actively participate in the Indonesian Geothermal Round Table Discussion to share our expertise and help address relevant policy, awareness, capacity and financing issues affecting the industry," EDC President and COO Richard B. Tantoco said.

Japan: Geothermal Resources Can Bridge Energy Gap

Japan's [geothermal resources could replace 100% of its planned nuclear power generation capacity in the coming decades](#), Managing Director of Mumbai-based Geosyndicate Power, Varun Chandrasekhar told press. "It cannot ignore this important vast resource, given the advantage of having all the turbine and geothermal power plant manufacturing giant companies, like Mitsubishi Corp, Fuji Electric and Toshiba, on its board," he said. Chandrasekhar said that Japan's immediate emergency is to make up for the energy gap following the recent earthquake and tsunami. All four of its nuclear power plants in Fukushima failed, causing the sudden shortage of 2.8 GWe.

New Zealand: Geothermal Power Equipment Order to Come from Toshiba

The [Te Mihi power plant in Taupo will receive a supply of geothermal equipment from Toshiba Corp.](#) The Japanese company will deliver two 83-MW geothermal turbines for about 8 billion yen. The turbines will be designed and manufactured in Yokohama and will be supplied with a generator and condenser. The contract was signed with the joint venture of Australia's McConnell Dowell, Canada's SNC-Lavalin and Parsons Brinkerhoff of the United States.

Philippines: Kalinga Supports Geothermal Project Potential; Northern Negros Plant Temporarily Recommissioned

The provincial government of [Kalinga has given its support of a planned geothermal power project](#), recognizing the economic benefits to the region that are offered by Chevron Geothermal Philippines Holdings, Aragon Power and Energy Corporation, and Guidance Management Corporation. Kalinga also recognizes the geothermal service contract issued by the DOE. Resolution No. 040 was approved by both the Sangguniang Panlalawigan (SP) as well as by Governor Jocel Baac. Measures will ensure responsible mining, respect of culture, and local employment.

Meanwhile, Energy Development Corp. has announced the [temporary recommissioning of the Northern Negros Geothermal Power Plant for three months](#) in order to generate electricity from the steam generated during testing. The 49-MW plant has been temporarily shut down in November for technical tests. Studies were completed in March on 61% of the geophysical stations in the area, and the company plans to conduct an initial assessment of the quality of the data before completing the survey.

Geothermal Heat Pumps and Direct Use



New Geothermal Heat Exchanger Being Tested in Oklahoma City

Over a dozen companies representing Oklahoma's geothermal heat pump industry began research this week to [test new technology they hope will make ground source heat pumps more affordable](#). The project is ongoing in Oklahoma City's Hope Crossing subdivision, the largest Habitat for Humanity and geothermal neighborhood in the U.S. The Ditch Witch prototype will use a new heat exchanger designed by Holland-based Geothex that can function in shallower holes, making it more efficient and will hopefully reduce the cost of installation. "That's the holy grail of geothermal: finding a way to lower the cost," Oklahoma Gas and Electric Co. spokesman Tim Hartley said. Once installed, the energy usage will then be monitored for two years.



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

Notices

New This Week



CORRECTION to Last Week's GEW

Please note an error in the Geothermal Energy Weekly of March 24, in ***International News***. It was inaccurately stated that Andes Power Peru (APP) is an investment group that it is a joint venture partner of Hot Rock.

APP is a Peruvian geothermal development company that has no relationship with Hot Rock. It does however have a technical assistance agreement with West Indies Power (WIP) to develop geothermal in Peru.

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>.

Current Notices

Global Geothermal Installed Capacity Could Double, Says Pike Report

Press Release [\[Full story\]](#), March 7 — As global energy demand increases and efforts to curb greenhouse gas emissions intensify, an increasing number of countries throughout the world are looking to tap geothermal resources to drive low carbon development. A clean, base load source of power, geothermal offers consistent electricity production nearly 24 hours a day with little to no emissions. According to a new report from Pike Research, escalating investment in geothermal power could result in a 134% increase in total geothermal capacity between 2010 and 2020, from 10.7 GW to 25.1 GW, under a high-growth forecast scenario. Under a more conservative business-as-usual forecast scenario, the cleantech market intelligence firm estimates that geothermal power capacity would increase 34% to 14.3 GW by 2020.

“Worldwide potential for geothermal energy is immense,” says senior analyst Peter Asmus, “but geothermal remains an underutilized resource and represents only a small fraction of the global renewable energy portfolio. Improved access to resource data, more efficient drilling processes, increased understanding about the industry’s potential, and improving access to financing are driving expanding interest in the sector.”

Asmus adds that the current installed capacity of 10.7 GW is spread across 26 countries with a combined output of approximately 67 terawatt hours (TWh) of electricity. Currently, the United States is the global geothermal leader with 3.1 GW of installed capacity, and seven countries represent 88% of the world market. While conventional geothermal resources account for nearly all online capacity today, enhanced geothermal systems (EGS) and co-produced wells both offer opportunities for expansion outside of rift zones or volcanically active regions throughout the world.

For Students! Princeton Review and Entrepreneur Magazine Rank Top 16 Green MBA Programs

Princeton Review and Entrepreneur Magazine have [released their first rankings of the top 16 green MBA programs in the U.S.](#) Columbia University, Duke University, Stanford University, and New York University were not surprising to see on the list, but some of the lesser-knowns include Portland State, Babson College, and Bentley University. The rankings considered green curriculum, local impact, and faculty and student rankings.



Employment

New This Week

Director – Business Development, GeoTek, Midland, Texas

Salary Commensurate with Skills and Experience

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.

Responsibilities:

- Identify and develop relationships with companies within the geothermal industry that offer a strategic advantage to further the commercialization of GeoTek technology.
- Develop business strategies and market research to leverage geothermal technology and capability into new markets.
- Identify growth opportunities and M&A targets.
- Direct new area investments in exploratory research to develop future growth platforms.
- Create innovative business model and technology applications
- Work directly with management team to develop funding opportunities for GeoTek.

Requirements:

- Bachelor's degree in Finance, Engineering or Marketing. MBA a plus.
- 10+ years experience in a senior level business development position within the renewable energy industry.
- Excellent networking experience/capability, with outstanding communication skills.
- Dynamic; self motivated; entrepreneurial individual with a drive to succeed.
- Track record of success in start-up or rapidly growing companies.

Qualified candidates should submit a resume to info@geotekenergy.com

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.

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.

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, 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

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.

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.

Senior Level Assistant Site Manager, Operations and Maintenance

Contact: 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 Phone: +61 00 11 73858 0237

Vice President Geology, Western US

Please send resumes to Bstevens@stmassociates.com

Geothermal Openings, NREL, Boulder, CO

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

Drilling Manager, NV

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

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

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

Project Manager

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

Development Manager

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

Project Manager Geothermal Exploration, Europe

Contact: droberts@penderfinancial.com

Requests for Proposals



New This Week

Invitation to Bidding, EEPSCO, Consumables for Geothermal Drilling, Ethiopia

The Ethiopian Electric Power Corporation (EEPSCO) 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.

Advertisements are available on the UNDB and dgMarket websites. (4/7/11)

RFP, Renewable Energy, Arizona Public Service—April 19 Web Conference

[Arizona Public Service Co. is seeking renewable energy](#) through a request for proposal for small renewable projects. Projects must be between two and 15 megawatts and reach commercial operation by Dec. 31, 2013, for solar and wind projects and by Dec. 31, 2014, for all other technologies. Geothermal, biogas, landfill gas, biomass, solar, wind, hybrid wind and certain hydropower technologies are eligible. Interested parties are encouraged to participate in a bidder's WebEx conference April 19, 2011. Additional information about the WebEx conference and the RFP is available online at www.aps.com/rfp.

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 and copy to pngugi@gdc.co.ke

Any updates on this EOI will be posted on the GDC website: 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

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

Proposal Announcements

Nevada Accepting Land Nominations for January 2012 Geothermal Lease Sale

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.

Comments Sought on Senate CES White Paper (April 11)

Senator Jeff Bingaman, D-New Mexico and Senator Lisa Murkowski, R-Alaska, Chairman and Ranking Member, respectively, of the US Senate Committee on Energy and Natural Resources released a white paper on questions and design elements of a Clean Energy Standard (CES). The purpose of the white paper is to solicit comments from parties interested and affected by a CES, with responses due by 5pm on Monday, April 11. Submittals must be e-mailed to Clean_Energy_Standard@energy.senate.gov no later than 5 p.m. (EST) on April 11th, 2011. For further instruction on submitting a response, see related documents [on the Committee web site](#).

Immediate Drilling Rig & Crew Availability (March–April 2011)

Rig 77 - 2007 Model 200,000 lb. capacity rig & crew. Depth capacity +/- 5000' + with 4 1/2" drill pipe; square set derrick, double drum table drive unit (18" flip up hydraulic table), & pipe handling system. Conventional drilling with (2) 600 HP Mud pumps (2008 with Tier 3 Engines). Approximately 15' Clearance KB. You can view pictures, footprint and rig inventory at: <http://www.barbourwell.com/rigs1.html>.

Contact for rates and scheduling:

Steve Zarcone, Director of Business Development, Barbour Well, Inc.

260 Sunpac Ave. Henderson, NV 89011, 805-207-6407

www.barbourwell.com

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 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>

Partner Sought for Hot Oil and Gas Wells, Mississippi

Rich McAdoo (rlmcadoo@continentalenergy.com) is seeking local operators or parties with access to properties with hot oil or gas wells (shut-in or production) located in Mississippi. If you are looking for a financial and technical partner to develop coproduction of geothermal fluids with oil and gas in Mississippi, send him an email.

Events

Happening This Week

An Overview of Geothermal Energy, AAPG 2011 Annual Convention & Exhibition, Houston, Texas (April 10)

This year the Energy & Minerals Division of the American Association Petroleum Geologists will hold a Pre-Convention Short Course on geothermal energy at the AAPG 2011 Annual Convention & Exhibition. The course is focused on geothermal in the oil/gas producing states and the O&G industry in general. Date: Sunday, 10 April.

Time: 8:00 a.m. –5:00 p.m. Fee: Professionals \$200, students \$100 (limited). Information and updates at:

www.AAPG.org/Houston2011



GEA Events

Calendar of 2011 GEA and GEA-Sponsored Events

Look for more information on these upcoming events at <http://geo-energy.org/events.aspx>. For sponsorship and speaking opportunities, contact Kathy Kent at Kathy@geo-energy.org.

- May 4: GEA Geothermal Energy Showcase and International Forum, Washington, DC
- May 13–17: Climate Ride, with GEA's bicycle team the Geothermal Rock and Rollers, NYC to DC
- August 16–17: GEA National Geothermal Summit, Reno, NV
- October 23–26: GEA Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA

Geothermal Energy Technology and International Development Forum, Washington, DC (May 4)

This event will be held Wednesday, May 4, 2011, at the Ronald Reagan Building and International Trade Center, Washington, DC, and is developed in conjunction with supporting agencies; U.S. Department of Energy and U.S. Department of Commerce. For more information, including the preliminary agenda and registration, visit:

http://www.geo-energy.org/events/May2011_ShowcaseForum.aspx.

GEA will be holding a one-day “Geothermal Energy Technology and International Development Forum” in Washington, DC on Wednesday, May 4, 2011 at the Ronald Reagan Building and International Trade Center. The program seeks to showcase geothermal projects, trends, and governmental policies in the U.S. and around the world. Topics covered will include; the geothermal market today, projects under development in the U.S. and internationally, outlook for the future of the geothermal market , jobs and money, new technologies, and federal agency support at home and abroad.

There will also be a small exhibition area featuring leading companies in the geothermal energy industry.

This event has been developed in conjunction with the U.S. Department of Energy and the U.S. Department of Commerce and is open to the geothermal industry. The “Geothermal Energy Technology and International Development Forum” will be widely attended with over two-hundred industry leaders, foreign diplomats, financiers and government officials expected to participate.

Confirmed speakers to date include:

- **Allyson Anderson**, Professional Staff, Senate Committee on Energy and Natural Resources
- **Karl Gawell**, Executive Director, Geothermal Energy Association
- **Halley Dickey**, Director of Geothermal Business Development, TAS
- **Jonathan Weisgall**, VP, Legislative and Regulatory Affairs, MidAmerican Energy Holdings Co.

- **Josh Nordquist**, Project Manager, Ormat Technologies
- **Mark Taylor**, Lead Analyst, CCS and Geothermal, Bloomberg New Energy Finance
- **Mike Ronzello**, Geothermal Business Development Manager, Pratt & Whitney Power Systems
- **Dan Jennejohn**, Research Associate, Geothermal Energy Association
- **Craig Mataczynski**, CEO, Gradient Resources
- **Kevin Wallace**, Senior Project Manager and Renewables Market Manager, POWER Engineers
- **Bob Manasse**, Enel Green Power North America, Inc.
- **U.S. Department of Energy, Geothermal Technology Program**
- **Thomas Zich**, Emabond Solutions
- **Robert Hunt**, Linear Power
- **Jamie Merriman**, U.S. Trade and Development Agency
- **Doug Dougherty**, President, Geothermal Exchange Organization
- **Noam Ayali**, Partner, Chadbourne and Parke LLP

Wednesday, May 4, 2011

7:30 am Registration

9:00 am – 12:15 pm Morning Session

12:15 – 1:15 pm Luncheon

1:15 – 5:00 pm Afternoon Session

This event will be located at the Ronald Reagan Building and International Trade Center, Atrium Hall, 1300 Pennsylvania Ave., NW, Washington, DC, USA.

For more information, including the full agenda, visit: For more information, including the preliminary agenda and registration, visit: http://www.geo-energy.org/events/May2011_ShowcaseForum.aspx. With any questions, please feel free to email Kathy Kent at kathy@geo-energy.org. For media credentials, please contact Garret Drexler at 646-695-7042 or garret@rosengrouppr.com.

GEA Team to Power Brita Climate Ride—Your Contributions Needed (May 13-17)

GEA has assembled a team 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 join our team or contribute to help us reach the donation goal at: <http://climateride.donordrive.com/index.cfm?fuseaction=donorDrive.team&eventID=501&teamID=5027>

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.

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 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>.

Why Should You Attend GEA Events?

As the national trade association for the geothermal industry, the Geothermal Energy Association (GEA) strives to create and deliver educational events involving the full range of the geothermal industry, reflecting the dynamic growth of the geothermal market, and communicating the benefits of geothermal energy to all. GEA events offer important opportunities to learn and network within the geothermal community, and to inform and educate companies and organizations outside today's industry that are interested in learning more about geothermal energy. The revenue generated from GEA events is used to advance the goal of the GEA, "to expand the production and use of geothermal energy in the United States and around the world." The revenue supports

GEA's workshops and events, communications activities, outreach efforts, policy related activities and analysis, internet publications, and other initiatives designed to help achieve this goal. ONLY GEA puts your dollars to work in all of these ways to advance the future of the geothermal energy industry. And, GEA does not sell your email or postal address to junk mailers or spammers. To keep track of new events and changes to this calendar go to: www.geo-energy.org.

Other Events

CGEC Events Announced for Spring 2011

May 26-27, 2011: California Geothermal Energy Collaborative Summit, Mammoth Lakes, CA
See <http://cgec.ucdavis.edu/>

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

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>

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

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

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

GEOHERMAL ENERGY WEEKLY

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

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