

Geothermal Energy Weekly

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



National News

Senate Climate Bill Expected Next Week

A couple of weeks ago, Senators Kerry, Lieberman and Graham were ready to introduce potentially breakthrough climate legislation. Sen. Graham then reacted to a decision by Senate Leadership to take up immigration legislation by backing away from a deal on the climate bill. This week, Sen. Graham called for a pause in moving climate legislation.

But, Sen. John Kerry (D-MA) and Sen. Joe Lieberman (I-CT) say they are planning to forge ahead with or without Sen. Lindsey Graham (R-SC) and introduce an energy bill next week, according to politico.com and other sources. The stakes are high after an oil spill in the Gulf of Mexico which they say will help rather than hurt support for the legislation. At the same time, provisions are included that allow expansion of offshore drilling as well as revenue sharing for the coastal states that allow it, which may pose problems in passing the legislation as many senators oppose expanded offshore test wells. Graham told press his support would ride on those provisions.

The question comes down to whether they can garner the 60 votes needed to invoke cloture, or end debate on the bill. Virtually all Senate actions seem to come down to 60 votes. With some Democrats wavering, efforts to identify Republican supporters are in high gear.

The senators are optimistic. "We are more encouraged today that we can secure the necessary votes to pass this legislation this year in part because the last weeks have given everyone with a stake in this issue a heightened understanding that as a nation, we can no longer wait to solve this problem which threatens our economy, our security and our environment," Kerry and Lieberman said in a joint statement. "Our optimism is bolstered because there is a growing and unprecedented bi-partisan coalition from the business, national security, faith and environmental communities that supports our legislation and is energized to work hard and get it passed."

The Senate Energy and Natural Resources Committee unanimously approved nine amendments on energy efficiency, carbon capture, and research and development to be added to the proposal. These would set efficiency standards for streetlights and establish energy-saving targets for air conditioners, heat pumps, furnaces and buildings, projected by the committee to save 33 billion kilowatt-hours of energy and 22.5 million megatons of carbon dioxide emissions by 2020.

But, next week, while climate legislation is unveiled, the Senate Energy Committee will be focused on the accident in the Gulf of Mexico involving the offshore oil rig Deepwater Horizon. The hearing scheduled for Tuesday will be the first time BP officials have testified before Congress on the accident and ongoing clean-up in the Gulf.

But eventual support from Sen. Graham still appears likely, based on his statements. "When it comes to our nation's policy on energy independence and pollution control, I don't believe any American finds the status quo acceptable," Graham said in a statement. "Many senators from both parties have stated that Congress should set energy and carbon pollution policy, not the EPA. I could not agree more. Therefore, we should move forward in a reasoned, thoughtful manner and in a political climate which gives us the best chance at success. Regrettably, in my view, this has become impossible in the current environment."

"I believe there could be more than 60 votes for this bipartisan concept in the future," he added. "But there are not nearly 60 votes today and I do not see them materializing until we deal with the uncertainty of the immigration debate and the consequences of the oil spill."

See <http://www.eenews.net/Greenwire/2010/05/07/1>, <http://www.politico.com/news/stories/0510/36837.html>, <http://www.eenews.net/Greenwire/2010/05/06/10>, and <http://www.eenews.net/Greenwire/2010/05/06/1>.



Company News

Calpine Corp.: First Quarter 2010 Results Posted

Press Release, May 5 --Calpine Corporation (NYSE:CPN) today reported first quarter 2010 Adjusted EBITDA of \$282 million, compared to \$331 million in the prior year first quarter, and first quarter 2010 Adjusted Free Cash Flow of \$(13) million, compared to \$13 million in the first quarter of 2009. Net loss for the quarter was \$47 million, or \$0.10 per diluted share, compared to net income of \$32 million, or \$0.07 per diluted share, in the 2009 period. The company also reaffirmed its 2010 annual guidance and its significant hedge position for the balance of the year.

"Over the last several months, we have made significant strides toward achieving our long-term strategic objectives, while also remaining on track to meet our full year 2010 guidance. In short, we continue to execute on our near-term operating and financial performance goals, as well as advancing execution on our long-term strategic plan," said Jack Fusco, Calpine's President and Chief Executive Officer.

"The operating initiatives we implemented in 2009 continue to deliver improved results, as evidenced by the meaningful reduction in operating and administrative costs during the quarter, while our generation volume increased by more than two million MWh compared to the first quarter of 2009. Our ability to effectively hedge commodity price risk to protect our 2010 Commodity Margin has enabled us to achieve financial performance that keeps us on track to meet our full-year guidance despite the decline in natural gas prices," said Fusco.

"With respect to longer-term initiatives, we continue to proactively identify value-enhancing opportunities for our customers and for our shareholders," Fusco added. "Last month, we announced two transactions - the sale of our plants in Colorado to our customer there and the acquisition of Conectiv Energy - that demonstrate our financial discipline and our intent to manage the company for the long-term, including positioning the company for growth in competitive, mature markets that provide favorable opportunities for wholesale power generation."

For more, see <http://phx.corporate-ir.net/phoenix.zhtml?c=103361&p=irol-news&nyo=0>.

Ormat Technologies: First Quarter 2010 Results Posted

Press Release, May 5 -- Ormat Technologies, Inc. (NYSE: ORA) today announced financial results for the first quarter 2010.

For the three months ended March 31, 2010, total revenues were \$82.7 million, compared to \$99.3 million in the first quarter of 2009. Revenues from the Electricity Segment rose 6.5% from the first quarter of last year, and, as previously noted, revenues from the Product Segment were down from last year's exceptional highs.

For the quarter, the Company reported net income of \$1.8 million or \$0.04 per share (basic and diluted), compared to net income of \$14.5 million, or \$0.32 per share (basic and diluted), for the same period a year ago. The decrease is principally attributable to a reduction in our Product Segment revenues and gross margins, and a decrease in our Electricity Segment gross margins.

Commenting on the results, Dita Bronicki, Chief Executive Officer, stated: "Electricity Segment revenue increased 6.5% as a result of an increase in generation to approximately 917,000 MWh from 875,000 MWh last year. The increase in generation is the result of additional capacity and solid performance from all facilities other than North Brawley and Puna."

"From an earnings perspective, we expected the first half of the year to be challenging due to a decrease from very high revenues and gross margins in our Product Segment in 2009, lower revenues from Puna and lower revenues and high operating costs from North Brawley. Based on the progress that was made in repair work in Puna, we expect revenues to improve in the second quarter. In North Brawley, we expect generation to ramp up towards the end of the year."

For more, see <http://www.ormat.com/news>.

Raser Technologies: Video Update Released on Relationship with Hyundai Heavy Industries

Press Release, April 30 — Raser Technologies, an energy technology company, released a video today to provide an update on the relationship between Raser and global industrial manufacturer Hyundai Heavy Industries, a global leader in grid-electrical equipment and renewable energy generation equipment.

The two companies recently completed meetings at Raser's headquarters in Provo Utah, to further discussions for greater cooperation in the production of clean renewable energy and manufacturing of plug-in electric vehicles. The meetings came following prior meetings held a year ago in Korea when Dr. Min invited Raser Chairman, Kraig Higginson, and Vice President David West to meet to discuss cooperation between the two companies in light of the global trend toward electric transportation to meet the growing demand for clean energy and transportation.

In talks, the two companies expressed a shared vision to work together to deliver clean renewable energy to power electric vehicles as the world moves from petroleum to electricity for transportation. In 2006, the two companies signed an agreement for greater cooperation enabling Hyundai Heavy Industries to manufacture Raser's advanced electric motors and generators for electric vehicles and renewable energy power generation.

In addition to being one of the world's leaders in electric transmission equipment, Hyundai Heavy Industries is also a manufacturer of wind turbines and photo-voltaic solar panels and plans to expand manufacturing and distribution in the U.S. and globally.

The two companies also discussed ways to cooperate in manufacturing Raser's electric vehicle technology for application in trucks and SUVs, the highest selling class of vehicles in the U.S.

To see the "HHI" update video visit http://www.rasertech.com?p=3113&shareadraft=baba3113_4bda3208a4ad1.

ThermaSource: ThermaSource Inc., Hires New Chief Operating Officer, Gerald Hamblin

Press Release, May 5 -- ThermaSource, Inc. is pleased to announce the hiring of Gerald ("Jerry") Hamblin as Chief Operating Officer. Mr. Hamblin comes to ThermaSource with over 33 years of experience in the geothermal industry in areas such as planning, well design, program evaluation, rig management and engineering.

Mr. Hamblin spent 30 years of his career at Unocal where he oversaw engineering and the drilling operations in parts of the US, Indonesia, and the Philippines. He has also managed projects for Philippine Geothermal, Inc., Ormat, Sierra Geothermal Power, CalEnergy, Calpine, NCPA and was the Drilling Manager for The Geysers and Salton Sea Fields. In addition to his experience in the field, Mr. Hamblin also holds two patents that have helped advance the geothermal drilling industry. He was also a member of teams that planned the expansion of the Awibangkok field and the exploration of the Sarulla project in Indonesia. Mr. Hamblin attended Stanford University.

Chief Executive Officer, Louis Capuano, Jr. said, "Jerry brings a vast amount of drilling and operational experience to our team. We believe that the addition of Jerry will prove to be valuable to ThermaSource and will increase our drilling, operational and project management capabilities greatly."

For more, see <http://www.prnewswire.com/news-releases/thermasource-inc-hires-new-chief-operating-officer-gerald-hamblin-92857034.html>.



Renewable Energy and Climate Change

DOE Announces Awardees for the Industrial Energy Efficiency Grand Challenge

From Sustainable Energy Coalition/SUN DAY Campaign: The U.S. Department of Energy has announced that 48 research and development projects across the country have been selected to receive a total of \$13 million to fund the development of transformational industrial processes and technologies that can significantly reduce greenhouse gas emissions throughout the industrial sector. The funding will be matched by more than \$5 million in private industry funding to support a total of \$18 million in projects. American industry accounts for more than 30 percent of the energy used nationwide, is responsible for 27 percent of the country's carbon emissions, and supports nearly 13 million core manufacturing jobs.

See <http://www.energy.gov/news/8943.htm>.

Gulf Spill Could Mean Stronger Reforms for Oil/Gas Industry

The oil and natural gas industry has cause for concern that the offshore disaster in the Gulf of Mexico may lead to additional regulation of onshore drilling, according to eenews.net. "It's clear that the political forces are gathering to consider this incident and to make a series of decisions or proposals for regulation or legislation and so forth," Richard Ranger, a senior policy adviser with the American Petroleum Institute told press. The Interior Department is currently finalizing reforms to drilling leases on federal lands. The BP PLC's Deepwater Horizon spill is seen by some to justify expansion of oil and gas production in the nation's interior regions.

Brendan Bell, a federal policy analyst with UCS's Clean Vehicles program stated. "The unfolding disaster in the Gulf of Mexico is a vivid reminder that America's oil dependence puts our environment, national security and economy at risk. This spill should be a wakeup call for Washington to finally get serious about curbing America's oil addiction." He added, "Boosting fuel economy to 42 miles per gallon by 2020 would save more oil every day than 40 BP gulf oil spills. The real ticket to reducing our oil dependence is stronger fuel economy standards, more clean homegrown biofuels, and a 21st century transportation system."

See <http://www.eenews.net/ll/2010/05/06/1> and http://www.ucsusa.org/news/press_release/response-to-oil-spill-savings-0383.html.



State News

California: PUC Votes To Put Use of Tradable Renewable Energy Credits On Hold

The Public Utilities Commission voted 4-1 to stop utilities from using tradable renewable energy credits to meet their renewable power obligations, reversing a decision made in March, according to the *San Diego Union Tribune*. Most of the credits come from outside California, and utilities use them to meet the 20% renewable power source requirement, which is needed by the end of the year.

Utilities and Gov. Arnold Schwarzenegger say limits on out-of-state green credits would increase the price for consumers, while proponents say that without a requirement for a big share of power to come from California, jobs will be lost to other states.

PUC member Dian Grueneich voted against the reversal, stating that the decision could cost consumers and that the March vote, which came after four years of debate, would encourage local green-energy jobs.

See <http://www.signonsandiego.com/news/2010/may/06/puc-votes-stop-use-renewable-energy-credits/>.

California: CPUC Approves Two Geothermal Contracts

Press Release, May 6 - The California Public Utilities Commission (CPUC) today approved renewable energy contracts for Southern California Edison and Pacific Gas and Electric Company (PG&E), furthering the state's progress towards its renewable energy goals.

Through its 20-year power purchase agreement (PPA) with Ram Power, Inc. and Orita Geothermal, LLC, Edison will procure renewable generation from a new geothermal facility in Imperial County, Calif. The Orita 1 facility has an expected initial capacity of 50 megawatts (MW), which may be expanded to 100 MW. This facility should produce approximately 400 gigawatt-hours (GWh) of energy per year beginning in 2013. The CPUC also authorized Edison to execute two additional PPAs with similar terms and conditions for future projects from these developers.

In addition, the CPUC approved a PPA between PG&E and the Geysers Power Company, LLC that adds 50 MW of geothermal capacity from the geothermal resource area in the Sonoma and Lake Counties in Calif., to PG&E's renewable energy portfolio. The PPA also extends the delivery terms for 375 MW already under contract. Under the PPA, PG&E will receive between 2,000 and 3,500 GWh of Renewables Portfolio Standard-eligible energy through 2022.

The CPUC's Renewables Portfolio Standard program requires investor owned utilities, energy service providers, and community choice aggregators operating in California to obtain 20 percent of their retail sales from renewable energy sources by 2010. On November 17, 2008, Governor Schwarzenegger signed an Executive Order (S-14-08), which established a 33 percent by 2020 RPS goal.

For more information on the CPUC, please visit www.cpuc.ca.gov.

Colorado: New Legislation Promotes Geothermal Energy

On April 30, Gov. Ritter signed Senate Bill 174 promoting geothermal energy in Colorado. The bill requires property taxes on geothermal energy facilities to be assessed by the state using the income approach, allows cooperation between levels of government to finance studies and projects, and streamlines the process for obtaining geothermal drilling permits. The bill protects the rights of surface land owners and geothermal rights owners and establishes a process for resolving disputes. It was sponsored by Sen. Gail Schwartz and Reps. Christine Scanlan and Tom Massey

"Senate Bill 174 will help Colorado to begin to realize the potential of geothermal energy," Gov. Ritter said in a statement. "Geothermal is a great clean renewable energy source, that can be a base load provider and help to bring the benefits of the New Energy Economy to rural Colorado."

"Geothermal energy will diversify Colorado's energy portfolio. This bill will improve cooperation between the federal, state, and local governments, strengthen Colorado's energy sector, and create jobs for Coloradans," Sen. Schwartz said. "I would like to thank Chaffee County for their efforts on this bill and the broader water community for the work on protecting existing geothermal water rights and those in the future."

"Geothermal is an exciting clean energy movement with the potential to exceed even solar and wind in supplying the US's electricity needs in the future. In fact, the state Capitol will be moving towards using it next year for the building's energy needs," said Rep. Scanlan. "I am pleased that we have made a commitment to strengthen this energy sector."

See http://www.thegovmonitor.com/world_news/united_states/colorado-legislation-promotes-geothermal-energy-29679.html and <http://coloradosenate.org/home/press/renewable-bill-becomes-law-at-renewed-building-site>.

Idaho: Ormat Seeks Two Geothermal Leases Near Magic Reservoir

Ormat Technologies, Inc. is seeking leases for two geothermal projects at Magic Reservoir for a total of 2,840 acres. If granted, this would be the company's first project in Idaho. "Geothermal resources in Idaho are an important piece of the nation's energy future that we're looking to explore and develop in a thoughtful, responsible way," BLM Idaho State Director Peter Ditton told press.

The current applications are for leasing only, and drilling and operations would be considered under a separate application. Comments should be submitted via e-mail to rebecca_lange@blm.gov by June 3.

See <http://www.istockanalyst.com/article/view/StockNews/articleid/4091044>.

New Mexico: Drilling Partner Selected for Lightning Dock Geothermal Project

Raser Technologies has selected Barbour Well, Inc., of Henderson, Nevada to drill its Lightning Dock geothermal power project in New Mexico. Raser has completed an internal review on what is expected to be its second geothermal plant. The project is anticipated to generate 15 MW of power, to be delivered to Salt River Project Agricultural Improvement and Power District in Arizona under a 20-year PPA. Financing is provided by the Evergreen Clean Energy under an agreement signed in December 2009, and the company also hopes to receive a \$22 million grant under the American Recovery and Reinvestment Act of 2009.

"We are extremely anxious to get moving on our next geothermal project," Raser CEO Nick Goodman told press. "The Lightning Dock resource has attracted attention from the geothermal industry since the 1970's. It has been heavily studied with numerous temperature gradient holes and hot water wells. We are looking forward to making significant progress on our next plant."

See <http://www.brighterenergy.org/9627/news/geothermal/raser-selects-drilling-partner-for-second-geothermal-project/>.



International News

Australia: Tax Breaks Proposed for Geothermal Exploration

Proposed changes to Australia's tax laws will allow geothermal energy explorers a A\$1.1 billion (\$1 billion) resource exploration tax rebate package, according to *Reuters*. However, it would not come into effect until July of next year.

"This decision will go a long way to helping Australia's emerging geothermal energy industry play a major role in the transition to a low emission energy supply system," Brad Page, chief executive of the Electricity Supply Association of Australia told press.

"[The tax break is] what we asked for and we are very pleased," Susan Jeanes, head of the Australian Geothermal Energy Association said in a statement.

See <http://in.reuters.com/article/oilRpt/idINSGE64402U20100505> and <http://www.businessgreen.com/business-green/news/2262478/australia-heats-geothermal>.

Australia: Senergy Establishes Geothermal Drilling Team

Senergy has established a geothermal drilling team in Australia, according to renewableenergyfocus.com. There are 12 geothermal wells currently planned in the country.

"Senergy is well placed to capture opportunities in the embryonic geothermal market. We have extensive experience of advanced drilling techniques including coiled tubing drilling and managed pressure drilling in a range of on and offshore environments such as HPHT, deepwater and hard rock drilling," Pat Neve, Senergy's Director for Asia Pacific told press. "We are also able to capitalize on our invaluable wealth of experience working in the UK Continental Shelf, particularly in Scotland's North Sea."

"By the very nature of its geology, Australia is perfectly situated to have one of the most active geothermal sectors in the world. We expect to see the geothermal market grow over the coming years and are committed to expanding our own specialist team in support of this increased activity," according to Kris Johnstone, Head of the Team.

See <http://www.renewableenergyfocus.com/view/9205/senergy-establishes-geothermal-drilling-team-in-australia/>.

Canada: CanGEA Sees Opportunity in British Columbia's Clean Energy Act

Press Release, May 3 — The Canadian Geothermal Energy Association (CanGEA) welcomes British Columbia's recently released Clean Energy Act and sees opportunity in its ambition. The Act, which has drawn fire for skirting Utility Commission approval on major energy projects, will have greater Ministerial authority to advance renewable energy projects while providing clean and reliable power for the province.

"The new Clean Energy Act opens the way to an exciting new age of economic growth and job creation by unleashing British Columbia's full potential in clean energy" said Premier Gordon Campbell. Indeed there is great potential in the province's renewable energy sector to provide clean energy for tomorrow while creating jobs for today – particularly in the geothermal energy sector. As one of the few base-load renewable energy sources, geothermal power is poised to take advantage of the new Act to replace fossil fuel burning plants and aging hydro facilities.

Blair Lekstrom, Minister of Energy, Mines and Petroleum Resources echoed the Premier's thoughts in saying "The Clean Energy Act builds on the work of the Green Energy Advisory Task Force with a new statutory framework to encourage new investments and jobs, strengthen BC Hydro and secure British Columbia's power needs at low rates for generations to come". CanGEA members Craig Aspinall and Warren Brazier took part in the Green Energy Advisory Task Force which released their findings last week highlighting the vast potential for geothermal energy development in the province under the new Act.

The Clean Energy Act also acknowledges the tremendous opportunity for power export to the United States and neighboring provinces and territories. In light of less favorable options, BC's clean, renewable energy is a highly sought after commodity that other jurisdictions are eager to tap into. For geothermal power there is an added benefit as the industry has the capability of exporting not only power but also capacity – something other energy sources such as hydro cannot to do due to resource foreign ownership concerns.

CanGEA, on behalf of its members, will continue to play an active role in attracting policy reform and incentives to advance the geothermal energy industry within the province and Canada. The Green Energy Act is an important step in promoting the sustainable and responsible development of BC's clean energy resources.

About CanGEA: CanGEA is a national industry association that believes we can provide competitively priced, emissions free, renewable, base-load energy to Canadians and to U.S. export markets. CanGEA works on behalf of our members to facilitate the growth of geothermal power projects and promote publicly listed companies on the Canadian Exchange

See <http://www.renewableenergyworld.com/rea/partner/canadian-geothermal-energy-association-cangea/news/article/2010/05/canadian-geothermal-energy-association-sees-opportunity-in-british-columbias-clean-energy-act>.

Chile: Magma Energy Issued Maule Exploitation Permit

Press Release, May 5 — Magma Energy Corp. (TSX:MXV) announces that it has been issued an exploitation permit enabling development of a 50 MW geothermal operation on the 4,000 hectare Laguna de Maule (Maule) property, 300 km south of Santiago, by the Government of Chile. Maule adjoins the 100,000 hectare Pellado property and together these properties encompass the Mariposa Geothermal Reservoir upon which Magma previously reported a 320 MW Inferred Resource.

Magma is currently drilling the second of five slim holes wells into the Mariposa Reservoir. The first well drilled in 2009 discovered temperatures greater than 200°C at a depth of approximately 650 meters. The 2010 slim hole program, plus related work, commenced in March and is expected to conclude by December at a cost of US\$15 million. The target depth of each of the four slim holes is 1,500 meters. Drilling results will provide sufficient information for Magma to complete more detailed evaluation of the planned Phase 1 50 MW geothermal power plant. Mariposa is within 25 km of two planned hydro power plants and associated transmission lines.

Dr. Catherine Hickson, Magma's Vice President Exploration and Chief Geologist, said, "This geothermal exploitation permit will enable us to proceed directly to construction of our operating plant once we complete our drilling program and studies on detailed capital and operating costs and environmental impacts. I look forward to seeing continuing positive results at Maule in the months ahead."

See <http://www.magmaenergycorp.com/s/NewsReleases.asp>.

El Salvador: Geothermal Generates 22% of Electricity Consumed

In El Salvador, renewables made up 42% of electricity generated in the first quarter of 2010, with 22% from geothermal sources, according to renewableenergymagazine.com. The country's two geothermal plants are operated by LaGeo and located in Ahuachapán and in Berlín. The first has been in operation for 35 years and has an installed capacity of 95 MW, while the second has been operating for 17 years and has an installed capacity of 66 MW. Plans are in the works for further geothermal development in Chinameca, San Miguel, as well as San Pablo Tacachico, La Libertad.

See

<http://www.renewableenergymagazine.com/paginas/Contenidosecciones.asp?ID=14&Cod=5343&Tipo=&Nombre=Latest%20news>.

Indonesia: President Calls for 9000 MW of Geothermal Generation by 2025

Indonesia's president spoke at the World Geothermal Conference in Bali on Indonesia's plans to become the world's leading geothermal nation by 2025, according to smh.com.au. The country has also targeted a reduction in greenhouse gas emissions by 26% in the next decade. The plan calls for 44 plants to be built by 2014, or 4000 MW, with up to 9000 MW by 2025. The government is seeking private sources, mostly foreign investors for funding.

"Nations are striving to liberate themselves from over-dependence on fossil fuels," President Susilo Bambang Yudhoyono said at the conference. "And to many countries, including Indonesia, a large part of the solution to that problem is the successful tapping of vast resources of geothermal energy."

"It's a big challenge," Asclepias Indriyanto, the executive director of the Indonesian Institute for Energy Economics told press. "It will require collaboration between different arms of the Indonesian government and new regulations."

See <http://www.smh.com.au/environment/energy-smart/indonesia-goes-to-ground-for-energy-20100430-tzbv.html>.

Indonesia: Subsidized Geothermal Power Purchase Recommended

In a study, the Japan International Cooperation Agency has recommended geothermal power be purchased by the state-owned PLN from independent power producers at a rate of 11.9 cents and that the Indonesian government subsidize 3.7 cents for every kilowatt-hour purchased.

"As the average power selling price for coal-fired power plants is now at 8.2 cents, we also recommend the government to provide PLN with a subsidy for as much as 3.7 cents per kWh to fill the price gap between geothermal power and coal thermal power," Masahiko Kaneko, executive director at West Japan Engineering Consultants Inc said during the World Geothermal Congress 2010. Kaneko said the proposal would attract investors to develop geothermal resources in Indonesia.

See <http://www.thejakartapost.com/news/2010/05/05/pln-needs-subsidize-geothermal-power.html>.

New Zealand: World's Largest Geothermal Turbine to Open

New Zealand is now home to the largest geothermal turbine in the world, at the Nga Awa Purua Geothermal Power Station constructed just north of Taupo, according to tvnz.co.nz. The plant is set to open next week and will have the capacity to power around 140,000 homes, or about 3% of the country's power needs.

Mighty River Power spokesman Doug Heffernan told press the new turbine is not projected to bring down power prices. "These things don't come cheaply. This cost about \$430 million to build and to keep doing that, we need to generate the revenue to pay for it," says Heffernan. The state-owned enterprise is also seeking resource consents for an additional power station.

Tauhara North No 2 Trust owns a quarter share of the plant and their people are receiving benefits in the form of education grants, health programs, and Te Reo programs. They have said future returns could be worth over \$20 million a year.

See <http://tvnz.co.nz/national-news/world-s-largest-geothermal-turbine-in-nz-3519784> and http://www.nzherald.co.nz/business/news/article.cfm?c_id=3&objectid=10642996.

Nicaragua: Ram Power Signs Letter of Intent for the Sale of 150 MW

Press Release, May 4 – Ram Power, Corp. (TSX: RPG) ("Ram Power"), through its wholly owned subsidiary Polaris Geothermal, Inc., has entered into a Letter of Intent (the "LOI") with Disnorte-Dissur, a Gas Natural Fenosa company ("Disnorte-Dissur") to negotiate a Power Purchase Agreement (the "PPA") for energy that will be produced by a new geothermal power plant under development in Nicaragua.

Under the LOI, Disnorte-Dissur, an energy provider in Nicaragua, will purchase up to 157 megawatts (MW) of power to be developed from Ram Power's Casita San Cristobal geothermal concession (the "Casita Project"). Both final capacity and power rate figures are subject to approval by the Nicaraguan Ministry of Energy and the electricity regulator. The PPA is expected to be signed in 2010.

The Casita Project is located in northwest Nicaragua in the department of Chinandega. Exploration drilling of the Casita Project is expected to begin later this year. Energy deliveries to Disnorte-Dissur will be in several phases beginning in 2013.

"Ram Power is pleased to expand our development plan by furthering the conversion from oil based power in Nicaragua into a renewable based, cost effective operation," said Mario Arana, Director of Ram Power. "Developing the world class geothermal resources of Casita San Cristobal will not only provide jobs, but will also help reduce the cost of power for the citizens of Nicaragua."

Mr. Arana went on to say that, "building upon our experience with the San Jacinto-Tizate Project, this agreement demonstrates the strong market demand for clean, renewable energy, as well as Ram Power's commitment to its continued growth as an international supplier of geothermal power."

See http://www.marketwatch.com/story/ram-power-signs-letter-of-intent-for-the-sale-of-150-mw-from-nicaragua-geothermal-concession-2010-05-04?reflink=MW_news_stmp.

Philippines: EDC Places Top Bid for BacMan Power Plants

At a state auction this week, a unit of Energy Development Corp. (EDC) was the top bidder for the BacMan power plants at \$28.25 million, according to abs-cbnnews.com. With a combined capacity of 150 MW, the plants are located in Albay and Sorsogon.

"The BacMan is the last geothermal power plant that Psalm will bid out by the government as the remaining geothermal contracts to be offered will be to those who will bid as independent power producer administrators," Conrad Tolentino, Psalm vice president of asset management and electricity trading told press.

An article on philstar.com noted that EDC profits went up 68% to P3.8 billion (\$84.5 million) in the first quarter of the year due to boosted electricity sales.

See <http://www.abs-cbnnews.com/business/05/05/10/edc-top-bidder-bacman-power-plants>, <http://thinkgeoenergy.com/archives/4614>, and <http://www.philstar.com/Article.aspx?articleId=572856&publicationSubCategoryId=200>.



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



Notices

New This Week

BLM Seeks Comments on Geothermal Lease Applications North of Magic Reservoir (June 3)

Press Release, May 3 — The Bureau of Land Management (BLM) Shoshone Field Office is asking for comments or concerns about two geothermal leases requested for public lands at the north end of Magic Reservoir as part of its consideration under the National Environmental Policy Act. Comments should be submitted by June 3, 2010

and will be used to determine whether special stipulations to the leases will be needed, should the BLM decide to issue them.

The requested parcels are located near Highway 20 at the north end of Magic Reservoir in Blaine and Camas counties. The total area under consideration is 2,840 acres. The management plans currently in effect for these lands were amended to allow for geothermal energy activity by the 2008 programmatic environmental impact statement (PEIS) for geothermal leasing in the Western United States.

The BLM Idaho Renewable Energy Support Team is reviewing these applications as part of a Bureau-wide effort that recognizes the importance of renewable energy resources on the public lands. RE support teams and RE coordination offices allow the BLM to focus staff resources on processing geothermal, wind and solar energy applications and applications for electric transmission facilities on public lands.

For more, see http://www.blm.gov/id/st/en/info/newsroom/2010/may/blm_considers_geothermal.html. To submit comments, concerns or issues specific to these leases, or with other questions, contact Rebecca Lange, BLM Idaho State Office (208) 373-3861, or email at Rebecca.Lange@blm.gov. Additional information about the applications is also available on the BLM.

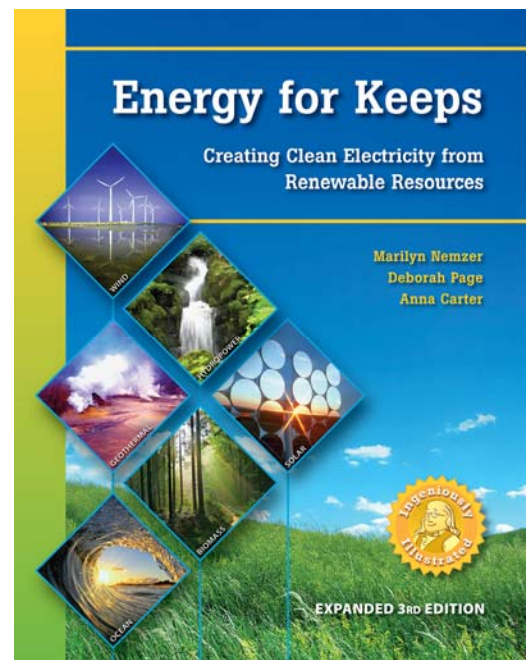
Notices

Award-Winning *Energy for Keeps* Introduces Expanded 3rd Edition

Energy for Keeps: Creating Clean Electricity from Renewable Resources is an illustrated guide for everyone who uses electricity. From students to energy policymakers, it helps readers of all ages understand the energy issues that now loom large in our daily news. With clear language and engaging illustrations, this book covers all renewable energy sources, the science of electricity generation, energy history, environmental considerations, and energy conservation and efficiency.

This not-too-technical book truly explains all the renewables in a comprehensive, impartial and even-handed manner. It includes biomass, geothermal, hydro, ocean, solar and wind. In its prior editions, *Energy for Keeps* won the 2004 Innovation Award by the Interstate Renewable Energy Council and the 2006 Green Power Leadership Award by the U.S. Environmental Protection Agency, the U.S. Department of Energy, and the Center for Resource Solutions.

Marilyn Nemzer, M.A., developer and editor of *Energy for Keeps*, has produced award-winning energy education projects and materials since 1990. She serves on several state and national advisory boards that focus on energy and the environment, is a trustee of the Marin County Board of Education and directs the Geothermal Education Office and the Energy Education Group. She is joined by lead write Deborah Page and technical editor Anna Carter. *Energy for Keeps* is available at www.energyforkeeps.org.



Nomination Period Open, 2010 Green Power Leadership Awards (May 18)

Nomination forms must be received by 5:00 PM PDT on Tuesday, May 18, 2010.

Sponsored by the U.S. Environmental Protection Agency, the U.S. Department of Energy, and the Center for Resource Solutions, the Green Power Leadership Awards are competitive awards that recognize outstanding commitments and achievements in the green power marketplace in the following three award categories:

- Market Development. The Center for Resource Solutions recognizes individuals, companies, or other renewable energy industry leaders that have helped build the market for green power.

- Purchasers. The U.S. Environmental Protection Agency recognizes leading partner organizations that have helped further the green power market by making leading green power purchases and increasing awareness among stakeholders.
- Suppliers. The U.S. Department of Energy recognizes exceptional achievement among green power suppliers to end-use customers in supporting increased market deployment of renewable energy technologies.

The Awards will be presented on October 20, 2010, in conjunction with the Renewable Energy Markets 2010 Conference in Portland, Oregon.

Please see the 2010 Green Power Leadership Awards Web site for nomination details:

http://www.renewableenergymarkets.com/gpla_details.shtml. For additional information on the Renewable Energy Markets 2010 Conference see: www.renewableenergymarkets.com

BLM Seeking Public Comments on Nevada Geothermal Exploration Proposal

The Bureau of Land Management is accepting written comments following an environmental assessment (EA) for the Coyote Canyon/Dixie Meadows Geothermal Exploration. The two projects, proposed by Terra-Gen Power Dixie Development Company are in the western portion of Dixie Valley. Comments will be accepted through May 10 and should be sent to: Desna Young, planning and environmental coordinator, Stillwater Field Office, 5565 Morgan Mill Road, Carson City, NV 89701. Comments may also be submitted via email to desna_young@blm.gov.

Email should include "Coyote Canyon/Dixie Meadows" in the subject line. The EA and supporting documents are posted at http://www.blm.gov/nv/st/en/fo/carson_city_field/blm_information/nepa.html. A printed copy of the EA can be provided upon request. A copy of the EA is also available in the BLM Carson City District Office during the comment period.

The Department of Energy Wants to Hear Your Stories

Energy Empowers (<http://www.eereblogs.energy.gov/energyempowers>) is all about your stories from the clean energy economy. This blog and multimedia site, run out of DOE's Office of Energy Efficiency and Renewable Energy, seeks to put a human face to the people, places, technologies and developments that will define our energy future – showing everyone that these advancements are real, growing and becoming part of our communities around the United States. We encourage everyone working in the energy space to visit and share their own success stories at <https://www1.eere.energy.gov/pnp/stories/stories.aspx>.

These stories can include DOE and ARRA projects, but we are also eager to see communities, private citizens and businesses taking the initiative in building America towards a clean energy future.

DOE Geothermal Technologies Database Available On-Line

The Geothermal Technologies Program's (GTP) projects database details various GTP-funded projects throughout the United States. You can search this database by keyword, state, project title, technology, awardee, partner, Funding Opportunity Announcement (FOA) number, or funding source. For each project you will find a profile that includes background information, objectives and milestones, and a listing of participants.

See <http://apps1.eere.energy.gov/geothermal/projects>

NREL Announces New Poll on Renewable Energy Finance

The National Renewable Energy Lab (NREL) recently announced the availability of its new quarterly poll on RE Finance. The project, the RE Project Finance Tracking Initiative (REFTI) is designed to assess trends and barriers in project finance, the effectiveness of government incentive programs, and best practices in RE project finance. Access to good data is critical to thorough analysis and policymaking. Please help by participating in NREL's questionnaire. Any questions or concerns regarding the poll or data confidentiality can be directed to Michael Mendelsohn, Senior Financial Analyst at NREL.

DOE Loans Programs Office Offers Email Updates

From the DOE Loans Programs Office: The U.S. Department of Energy's Loan Programs Office invites you to sign up for our email list. On a periodic basis, we will forward program updates including announcements of solicitations, conditional commitments of loan guarantee and closings, and upcoming events in our web-based seminar series. You will find the subscription form on-line at: www.usaenergyadvisors.com/DOE/doe-newsletter-signup.htm

Please feel free to contact DOE's Loan Program Help Desk at doehelpdesk@usaea-connect.com, or 614-324-5940. Or visit DOE's Loan Program on-line at: www.lgprogram.energy.gov for additional information about the Loan Program. Our mailing list is secure and is not distributed or disclosed in any way.



Employment

Added This Week

Geophysicist, Calpine, The Geysers, California

Essential Duties and Responsibilities:

Continuously evaluate and update the state of seismicity in The Geysers. Report to management and staff on the progress of such evaluations. Interface with researchers at the national laboratories (e.g. Lawrence Berkeley National Laboratory), the U.S. Geological Survey and universities conducting investigations of Geysers seismicity and related phenomena (e.g. subsidence). Assist in the planning and execution of drilling programs and injection strategies. Assist in the evaluation of geothermal reservoir performance.

1. Evaluation of induced seismicity in The Geysers steam field. This will be an ongoing effort to constantly upgrade and update our understanding of the relationship between seismic activity and production/injection.
2. Report to staff and management on the progress of seismic evaluation.
3. Interface with researchers at the national laboratories, the USGS and universities conducting studies of induced seismicity in The Geysers. Facilitate the exchange of information useful in advancing knowledge of Geysers seismicity.
4. Work with Resource and Reservoir Engineering staff to evaluate injection strategies with respect to their potential effects on seismicity. Conduct and/or assist in the design of reservoir injection tests to evaluate effects on seismicity of various injection strategies.
5. Supervise the work of consultants in preparing periodic reports on Geysers Seismicity in fulfillment of stipulations in use permits and environmental documents.
6. Assist in the planning and execution of injection strategies.
7. Participate in the planning and execution of drilling programs for new wells, redrills of existing wells and workovers. Develop drilling targets and casing program recommendations.
8. Develop (with the assistance of Resource staff) a working knowledge steam field reservoir geology and geochemistry. Acquire proper field techniques of obtaining geochemical samples.
9. Assist in evaluating potential geothermal properties acquisitions.
10. Conduct or assist in geotechnical evaluations of potential landslides and mitigate risks to Calpine assets in the Geysers.

Qualifications:

1. Strong academic background in seismology, supported by a sound geological background, especially in structural geology and petrology.
2. Highly developed computer skills. Expertise with databases, spreadsheets, mapping programs, etc.
3. Ability to represent Calpine at community meetings in which steam field seismicity may be a major topic. Presentation skills, in particular, ability to convey technical concepts to "laymen" are a necessity.
4. Ability to clearly, effectively and concisely communicate, both orally and in writing, at all levels within the Corporation.

Education:

M.S. or PhD. degree in Geology/Geophysics required from an accredited academic institution that has an active Geology Department.

Experience:

Minimum of three to five years in the following experience is considered highly desirable:

1. Prior work experience with a resource based company, state or federal geological survey or national laboratory.
2. Participation in study or studies relating to induced seismicity.
3. Geological/geophysical field work, including installation/maintenance of seismic array, geologic mapping or geotechnical studies.

To apply online, see

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

Employment Opportunities

Program Manager, Office of Geothermal Technologies, U.S. DOE, Washington, DC (June 1)

Job Summary:

The U.S. Department of Energy is an excellent, family friendly employer and an exciting place to work. Our overarching mission is to advance the national, economic and energy security of the United States, to provide scientific and technological innovation in support of that mission; and to ensure the environmental cleanup of the national weapons complex. Winning more R&D awards than any private sector organization and twice as many as all other federal agencies combined, DOE is the Nation's top sponsor of research and development in fields such as alternate fuel vehicles, energy efficiency, gene research, supercomputers and microelectronics.

Key Requirements:

- * U.S. Citizenship
- * Background and/or Security Investigation required.
- * Position involves travel

Duties:

The mission of the Office of Geothermal Technologies Program (OGT) is to provide the overall policy, management, and direction necessary for a balance program of technology planning, research, development, test, analysis, evaluation, and communication that will increase the viability of geothermal technologies. The outcome of these efforts will be to provide clean, competitive, reliable power options for use in all energy supply and end-use sectors of the economy.

The OGT Program represents and provides the national leadership in geothermal technologies for the formulation and execution of national energy policies and programs, and is responsible for the establishment of priorities and maintaining program balance among sub-programs with the Office. The OGT Program works closely in partnership with the U.S. geothermal energy industry to advance the technology, reduce development and operating costs, and maintain a competitive position in domestic and international markets for renewable energy.

The incumbent manages and directs the development, implementation, and evaluation of a national program that involves geothermal technologies including technology planning, research, development, demonstration and regulatory strategies. The incumbent also identifies and interprets legislative requirements for the OGT Program, and manages the implementing activities that satisfies these needs. Oversees the development and implementation of geothermal technology transfer plans; the review, evaluation, and modification of technology transfer performance; and coordinates with the Federal Energy Management Program to demonstrate these technologies at DOE sites and federal facilities.

The incumbent manages and works closely in partnership with the U.S. industry, academia, and national laboratories to advance the technology, market, and policy needs to create and maintain a robust industry for the development of geothermal technology.

For more information, visit http://www1.eere.energy.gov/office_eere/jobs.html.

Project Engineer, Magma Energy, Reno, Nevada

Position Summary:

In line with Company policy and accepted government and industry guidelines, provide engineering design and construction expertise and direction in support of Magma's advanced stage development projects. As Senior Project Engineer the candidate shall be responsible for managing geothermal power plant development projects from feasibility stage through detailed design, construction and commissioning. This includes technical oversight, scope development, managing all aspects of design and engineering and ensuring that project development activities are conducted to the highest standards of safety and health, conforming to Magma Energy Corp's mission, goals and objectives for safety and health.

Major Responsibilities and Essential Duties:

- Responsible for the design and construction of new projects and the preparation of conceptual studies for geothermal exploitation and expansions.
- Retain the required contractors and service providers to undertake aspects of the design and construction of the projects' infrastructure as well as the preparation of conceptual project studies for geothermal expansions.
- Manage employees and consultants involved with exploration, construction and expansion work.
- Prepare daily, weekly and monthly reports and schedules as required and take on other duties related to the ongoing operations or projects of the Company as may be reasonably required and assigned from time to time.
- Interact with project staff and business unit managers as required to ensure that corporate guidelines and procedures are followed.
- Work effectively with other functional areas in a proactive manner, maintaining a customer-focused perspective

Job Specific and/or Technical Skills Required:

- University degree in mechanical or chemical engineering (electrical may be considered) combined with professional registration (PE) in the State of Nevada (preferred).
- Minimum of 10 years practical experience, with a strong emphasis and grounding in engineering design including experience working in an engineering consulting environment and managing engineering consultants and contractors.
- EPC or EPCM experience working on projects from conceptual stage through construction and commissioning is essential.
- Proven record in contract administration and in supervision of engineering and construction services.
- Candidate must have a solid technical background and be able to understand and ideally develop heat and mass balance models for power plants.
- Experience with geothermal power plant engineering and operations is an asset but is not essential;
- Candidate shall have first-hand experience with corrosion control and mitigation systems in geothermal plants.
- Must be able to develop and maintain project schedules using Microsoft Project or other scheduling software.
- Preparation of daily, weekly and monthly reports and other duties related to the ongoing operations or projects may be required and assigned from time to time.
- Excellent communication skills (both written and verbal) and team leadership skills are important and the ability to manage employees and consultants involved with exploration, construction and expansion work. Spanish would be an asset.
- Interacting with project staff and business unit managers as required ensuring that corporate guidelines and procedures are followed.
- Frequent travel may be required but work will initially be focused on project development activities at the facility in Fallon Nevada

Software Knowledge Requirements:

- Microsoft Office Suite
- Microsoft Project

Contact: Kim Borgna, Magma Energy, at 775.787.7050 ext. 2006 or kborgna@magmaenergycorp.com

Geothermal Operations Manager, CalEnergy Operating Corporation, Calipatria, CA**Purpose of Position:**

The geothermal operations manager is accountable for the development and execution of the CalEnergy Operating Corporation (CEOC) Operations Business Plan. This individual develops the department's annual budget and is accountable for CEOC power generation revenues and operations sites. The geothermal operations manager develops and implements long range plans, provides leadership and direction to plant operating personnel and is responsible for the overall safe, environmentally clean and effective performance of power production facilities for CEOC. Responsibilities and duties are carried out in accordance with the company's policies and procedures, as well as all applicable governmental regulations and guidelines. Work is performed under the direction of the president of CalEnergy Generation U.S.

Direct Reports:

- Operations site managers
- Technical trainer
- Administrative specialist

Primary Job Duties and Responsibilities (Essential Job Functions):

- Adhere to, support and enforce all safety and environmental rules, policies and procedures, regulations and statutes.
- Develop both long and short term strategic operating direction and establish implementation plans to achieve targeted goals.
- Commit the sale of megawatts to established buyers to maximize company profit.
- Perform administrative activities necessary for the effective management of the department, including employee safety, selection and development of employees, salary administration, budget administration, employee counseling and motivation, organization goals and objectives and planning, organizing, integrating, measuring and reporting the work performed within the department.
- Maintain focus on critical plant parameters and programs.
- Make recommendations and decisions that support the company goals and business needs.
- Define, communicate, and acquire resources needed to most effectively operate the facilities.
- Define technical support needed.

Qualifications:

- Bachelor's of science degree in electrical, mechanical, chemical, industrial or petroleum engineering from an accredited university or equivalent training/experience. (Typically six years of related, progressive work experience would be needed for candidates applying for this position who do not possess a bachelor's degree.)
- Six or more years of related experience in plant operations and maintenance with five or more years of experience at the managerial level is required.
- Knowledge of PC software applications including spreadsheet, word processing, and database.
- Effective verbal and written communication skills, including presentation skills.
- Effective analytical, problem solving and decision-making skills.
- Ability to prioritize and handle multiple tasks and projects concurrently.
- Ability to read and interpret written documents such as accounting reports, safety rules, policy manuals, and professional periodicals/journals. Ability to write routine reports, business correspondence and manuals. Ability to effectively present information and respond to questions from groups of managers, clients, customers, and employees at all levels.
- Ability to define obscure and incomplete problems, collect data, establish facts, and draw valid conclusions. Able to conceptualize and develop creative alternatives to problem resolution. Capability of interpreting an extensive variety of technical instructions in written, oral, diagram or schedule form. Ability to deal with abstract and concrete concepts.
- A valid California's driver license is required upon employment.

Contact Lori Rinkert, Sr Recruiter, MidAmerican Energy at 415-281-2707 or lsrinkert@midamerican.com

Environmental & Permitting Manager, Provo, UT

Job Summary: This position is primarily responsible for obtaining, coordinating and managing all of the company's permitting and environmental compliance activities.

Essential Functions:

- Works with department heads in the project planning process to coordinate and manage all of the company's permitting and environmental compliance activities.
- Prepares and submits all federal, state and local permit applications across department lines e.g. drilling, air, storm water, water rights, CUP, Haz Mat, ROW, construction, etc.
- Prepares and tracks permitting budget.
- Procures the services of and manages environmental contractors who perform permit related activities e.g. Phase I, EA, cultural resource and wildlife surveys, hydrologic and soil studies, etc.
- Prepare compliance matrices (punch list) to be utilized by on-site personnel in maintaining regulatory/permit compliance.
- Provide regular training to on-site managers and personnel to allow them to correctly and effectively comply with regulatory/permit requirements.
- Conducts environmental site reviews, manages permit issues, incident reporting, as well as auditing contractors and other on-site third parties for compliance to regulatory requirements.
- Continually evaluate the status of permitting and compliance activities of each project and plant site with the objective of ensuring that all required environmental permits are in place and that all the requirements and applicable Federal, State and Local rules are in compliance.
- Regularly travels to project locations as well as to meet with stakeholders.
- Management of Occupational Health and Safety.
- Coordinates and collaborates with other departments of the corporation in establishing and carrying out responsibilities.
- Maintains appropriate communications within area of responsibility.
- Consults with all segments of management responsible for policy or action. Ensures compliance within area of responsibility. Makes recommendations for improving effectiveness of policies and procedures.
- Assumes other activities and responsibilities from time to time as directed.

Qualifications:

- Bachelor's Degree in related field e.g. environmental engineering, environmental science or other related science discipline.
- Five or more years related experience in permitting and environmental compliance.
- Demonstrated success in environmental permitting and regulatory compliance activities, particularly working with; BLM and other federal agencies, state agencies; e.g. oil & gas, state engineers, AQ and environmental quality and local rural governments.
- Excellent technical writing skills.
- Strong negotiation skills.
- Proficient in Microsoft Word and Excel. GIS and Primavera a plus.
- Geothermal renewable energy experience is preferred but not required.

Competencies:

To perform the job successfully, an individual should demonstrate the following competencies to perform the essential functions of this position.

- Strong work ethic, with a high level of energy and commitment to the position.
- Effective leadership skills which demonstrate the ability to participate in strategic thinking and problem solving.
- Excellent communication and presentation skills, both oral and written, with the ability to communicate with individuals at all levels both internally and externally.
- Well-developed interpersonal skills. Ability to get along with diverse personalities. Tactful, mature.
- Ability to establish credibility and be decisive—but able to recognize and support the organization's preferences and priorities.
- Ability to function effectively and efficiently in a fast-paced and changing environment with multiple priorities and objectives.

Compensation will include base salary and performance-based stock incentive based on level of experience. We also offer a full range benefit package.

Further information on Raser may be found at: www.rasertech.com.

Resumes can also be directly submitted to: jobs@rasertech.com.

Renewable Energy Mechanical/Systems Engineer, Idaho International Laboratory

Idaho National Laboratory is seeking a Renewable Energy Mechanical Systems Engineer. This position will involve the assessment of the overall design and operation of geothermal power plants, as well as individual processes and components within a plant. It will also support development of power system performance assessments and designs. The candidate must be able to apply and interpret standard theories, principles, methods, concepts, tools, and technologies associated with electrical power generation from renewable power sources. Work will include evaluation of the effects of innovative concepts and components on power generation costs. The candidate will make preliminary selections and adaptations of technical alternatives. The candidate will provide technical support to the DOE and Work for Others (WFO) customers which will vary in nature, but will include planning, engineering design, data analysis and analytical support activities as well as monitoring of DOE field research projects. In addition to interfacing with customers, the candidate is expected to document, report and present results on work performed, contribute to program progress reports, participate in peer review work of others and manage individual cost and schedule performance metrics. The candidate will contribute to development of new capabilities within the division as well as contribute to scientific and technical products such as patents, software, journal papers, reports, proceedings, and policies. The candidate may also contribute to the development of intellectual property leading to patents, publications, and/or copyrights.

Qualifications

S&E Scientist/Engineer 2. A PhD in Mechanical Engineering with relevant experience in power generation is preferred. Applicants with a MS in Mechanical Engineering with two years of relevant post graduation experience in power generation or a related field will be considered. Applicants with Chemical Engineering degrees and documented experience in Geothermal Power Plant design and operations will be also considered, though a Mechanical Engineer degree is preferred. Ability to obtain and maintain and Department of Energy Q security clearance. Must be a United States citizen.

Job ID: #5414, Interested Candidates, 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 Specialist, SMU Geothermal Laboratory

Project Specialist (Grants/Contracts Specialist for Geothermal Lab) – (Job ID 1371) – (\$20.00 - \$30.00 an hour) – This is a part time position of approximately 20-30 hours per week. The Project Specialist will work with faculty, staff and students on grants/contract related to geothermal energy.

Primary duties and responsibilities include, but are not limited to:

- Overseeing the solicitation of grants including finding new grants, submitting applications, contracting, budgeting, and working with faculty staff, and student projects associated with the grants;
- Assisting with the development of project strategies and timeline, as well as overseeing progress on project;
- Writing, submitting and presenting project summaries and contract reports to the agency;
- Overseeing administration of grant paperwork and monthly requirements for payroll, budgets, supplies, invoices, and travel;
- Serving as liaison and conduit of information for other SMU offices, government agencies and other institutions;
- Assisting in the planning and coordination of the Geothermal Energy Utilization Conference, including developing the marketing strategy to achieve desired attendance of 200+ and sponsorship coordination and solicitation;
- Responding to requests for information via email and telephone.

Bachelor's degree is required, preferably in Science. Masters of Science in a science field is highly desirable.

Job ID 1371 details at:

https://access.smu.edu/ps/ps/EMPLOYEE/HRMS/c/HRS_HRAM.HRS_CE.GBL?Page=HRS_CE_HM_PRE&Action=A&SiteId=1.

Project Manager

Summary: Responsible for implementation of all aspects of project development from project inception through turn-over to engineering for final design and construction and provide assistance after turn-over to engineering as needed. Will manage multi-disciplinary teams, focused on executing company developmental plans and achieving project goals.

Duties and Responsibilities:

- The PM's two fundamental responsibilities are preparing and maintaining project schedules and budgets. As necessary the PM draws on resources (Development, Senior Scientists, top management) to meet the master project schedule and budget as approved by top management.
- Responsible for oversight, facilitation and implementation of all aspects of project development from initial prospect evaluation to turn over to engineering for final design. Key project factors (schedule, budget) are set by top management. PM's role is to ensure that top management policy is met.
- Negotiates contracts and other agreements related to the sale and transmission of electricity.
- Assists in preparation of financial documents to raise funding necessary to fund project
- Manages Project Development team
- Manages Consultants through the selection process, task assignment, coordination of actions, and quality control.
- Oversee all project land/lease acquisition activities, including contract negotiations.
- Oversees selection of transmission line routes, locations and corresponding transmission agreements
- Provide support to geoscience, drilling, legal, finance, engineering and other departments as needed.
- Meets with government officials and public as necessary.

Supervisory Responsibilities:

- Oversee various project managers, engineers and consultants to facilitate the timely completion of geothermal projects. Direct staff will consist of 3-6 employees.

Qualifications:

- Bachelor's degree (B.A. /B.S.) in related field or equivalent preferred.
- Six or more years related experience.
- A broad understanding of permitting on federal lands, drilling, resource development, power plants and transmission systems.
- Ability to gather project information sufficient to create very detailed project development schedules and to build detailed project budgets and financial models to facilitate implementation of the schedules.

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

Development Engineer

Job Title: Development Engineer

Summary: Responsible for taking the lead on negotiating the technical sections and provisions in all major project contracts and agreements including; Power Purchase Agreements, Transmission Service Agreements, Interconnection Agreements, EPC contracts and project financing agreements.

Duties and Responsibilities:

- Work closely with the VP of Project Development and Legal Department to develop and negotiate the technical provisions in all major project contracts and agreements including PPAs, TSAs, LGIAs, EPC contracts and project financing agreements.
- Negotiate the technical provisions of the major project contracts.
- Coordinate with Management to acquire the technical information required to negotiate all major contracts and agreements.
- Provide progress reports to upper management

Qualifications:

- Demonstrated strong negotiation skills
- Minimum 10-15 years of power plant engineering and construction experience, geothermal or other renewable energy experience desired.
- Minimum of 5 years experience negotiating major contracts for the development of power plant projects.
- Strong knowledge of power plant O&M requirements including scheduling & dispatching energy, metering, maintenance & outage planning.
- Strong knowledge of Nevada and California Utility requirements and concerns with negotiating with Independent Power Producers.
- Strong knowledge of ISO requirements (particularly Nevada and California)
- Strong knowledge of selling power and Renewable Energy Credits on the open market.
- Self starter, excellent problem solving skills, excellent people skills
- Proficient oral and written communication skills
- Proficient computer skills
- Bachelor degree in engineering or equivalent

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

Project Manager Geothermal Exploration, Europe

Job Description

We are a new geothermal energy company, focused on the exploration and development of geothermal power resources in Europe. In 2010, we will be expanding our investigations of several regions that may host economic geothermal resources. Our principals are based in Canada and the US and have successfully developed oil & gas, mining and geothermal resources.

We require a project manager with field experience in geothermal exploration to coordinate in-country staff, consultants and contractors. This individual will have broad responsibility for project planning and management, budgets, liaising with government agencies, characterizing resources with appropriate exploration methods, and preparing detailed reports to describe a number of geothermal aquifers and their relative potential.

We are now interviewing candidates for this assignment. This is a contract position based in Europe that will require in-country and international travel. The initial term of this contract will be one year with the potential of extension for a second year. We will provide an excellent compensation package to the right person including equity incentives. This is an attractive and rewarding opportunity for an entrepreneurial professional.

Responsibilities

- Design and manage the exploration programs
- Prepare and manage budgets
- Manage local staff, consultants and contractors
- Liaise with land owners and local and national governments
- Coordinate geological, geochemical and geophysical studies
- Develop geological and resource models
- Supervise exploratory drilling operations

- Prepare detailed assessments of target geothermal resources
- Prepare funding applications for development and technical assistance

Requirements

- Geology or Geophysics degree, professional certification
- Over 10 years experience in the exploration of geothermal resources
- Oil & gas or mining background will be considered
- Proven leadership and project management abilities
- Proven negotiation and communication skills
- Strong geological and geophysical interpretive skills
- Experience using computer software applicable to exploration
- A problem solver, "get it done" attitude

Location: Europe

Contact: drobot@penderfinancial.com

Senior Director, Business Development, Major Geothermal Company

The Senior Director, Business Development is responsible for overseeing the Business Development function in North America for geothermal market. This role could quickly grow into a VP role and will oversee a sales team currently consisting of 8 sales reps and will grow it by 50%.

Essential Functions:

- Direct and execute the business development strategy to achieve company goals and objectives.
- Identify and develop key strategic partnerships, both internally and externally.
- Responsible for negotiating PPAs and contract changes.
- Evaluate and analyze market expansion opportunities
- Build and lead a business development team that will assist the company towards completion of company goals
- Build relationships with internal departments so that all areas of the company are ready to execute when necessary.

Education, Experience, and Skills Required:

- Bachelor degree in engineering and MBA
 - 10–15 years experience in Sales, Marketing, Business Development or Operations roles (preferably a mix of sales and operations in energy industry)
 - Willingness to travel up to 60% nationally and internationally
 - Ability to negotiate contracts with potential business affiliates
 - Experience in the renewable energy field a strong plus
-
- Proven track record maintaining confidentiality and dealing with company proprietary information

Contact: Paige Carratturo, Executive Recruiter

Richard Wayne & Roberts

877-236-0899 (direct)

206-855-9746 (fax)

paige@rwr.com

<http://www.linkedin.com/in/paigecarratturo>

Geothermal Project Supervisor, Central American Bank for Economic Integration, Costa Rica

The Central American Bank for Economic Integration (Banco Centroamericano de Integración Económica, BCIE) is looking for an expert in geothermal energy to supervise a project in Costa Rica. It is called Las Pailas and it is financed through BCIE.

Contact: Ana Karina Rubi de Reyes, Oficial de Consultorias, BCIE-Tegucigalpa, Honduras
Tel. +504-240-2243, Ext. 5214
Fax. +504-240-2228

Visit the BCIE Web site, www.bcie.org - www.cabei.org



Requests for Proposals

Closing This Week

U.S. China Clean Energy Research Center, U.S. DOE (May 14)

The U.S. Department of Energy requests proposals for the U.S. China Clean Energy Research Center (CERC). This Center will facilitate joint clean energy R&D by teams of scientists and engineers from the U.S. and China, as well as serve as a clearinghouse to help researchers in each country. Priority topics include: Building energy efficiency; clean coal including carbon capture and storage; and clean vehicles. \$37.5 million expected to be available, up to 3 awards anticipated. Responses due 5/14/10. For more info, contact Linda Sapp at Linda.Sapp@hq.doe.gov or go to: <https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000324&agency=DOE>. Refer to Sol# DE-FOA-0000324. (Grants.gov 3/30/10)

RFP Announcements

Geothermal Advanced Project Development Grant, Colorado (May 24)

The GEO is now accepting applications for the Geothermal Advanced Project Development Grant. Funding for geothermal projects in any stage of development, from feasibility analysis to commissioning. Eligible applicants include local governments and independent contractors with demonstrated experience in geothermal development and/or with the support of experts in geothermal energy.

All RFA submissions must be received at grants@state.co.us by 5:00pm on May 24th, 2010. For more information, including the application, go to <http://www.rechargecolorado.com/?/resources/category/funding-opportunities/> and look in the "April Grants" section.

State Energy Program, U.S. DOE (May 18 — August 3)

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

Climate Change Education, NSF (May 24)

The National Science Foundation requests proposals for the Climate Change Education Partnership Program. This program seeks to establish a coordinated national network of regionally or thematically based partnerships devoted to increasing the adoption of effective, high quality educational programs and resources related to the science of climate change and its impacts. \$10 million expected to be available, up to 15 awards anticipated. Letters of Intent due 4/23/10, final proposals due 5/24/10. For more info, contact Karen Oates at koates@nsf.gov or go to: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf10542. Refer to Sol# 10-542. (Grants.gov 2/24/10)

Climate Adaptation and Disaster Resilience – Indonesia (July 26)

The U.S. Agency for International Development, Mission in Indonesia, requests proposals for Climate Adaptation and Disaster Resilience (CADRE). Indonesia is particularly vulnerable to climate change and disasters. CADRE supports projects that address climate change and disasters by efficiently, effectively and sustainably addressing the needs for disaster risk reduction and climate change adaptation together, among vulnerable populations in Indonesia. Multiple awards ranging from \$500K to \$1.5 million anticipated. Concept Papers are due 1/25/10 and 7/26/10. For more info, contact Johanna Gardjito at aps10-005@usaid.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&oppld=50515>. Refer to Sol# APS10-005. (Grants.gov 12/7/09)

Greenhouse Gas Mitigation, Indonesia (September 15)

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

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

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

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

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

**Events****Happening This Week****CGEC California Geothermal Energy Summit, Davis, CA (May 10)**

The California Geothermal Energy Collaborative will be holding the 2010 California Geothermal Forum (formerly called the Summit) on May 10th as part of the UC Davis Energy Institute's UC Energy Week 2010.

Over the last two years numerous changes have affected how California views and uses energy. Attendees will have an opportunity to hear about the current direction of technology, regulations and incentives that affect the use of geothermal energy in the state and Western region.

A Monday evening reception from 5–7 p.m. will be a free event at the UC Davis Conference Center. It will provide an informal venue for participants from all areas of renewable energy to meet and discuss topics of mutual interest.

Draft Agenda:

Morning Session

8:00 – 8:30 Attendee Check-in

8:30 – 8:45 Welcome and Collaborative Update, William Glassley: CGEC Executive Director and Program

Moderator

8:45 - 9:30 Geothermal Energy and Its Role in the U.S. Energy Landscape: Keynote Speaker: Jay Nathwani, Acting Manager, U.S. DOE Geothermal Technologies Program

9:30 – 10:30 Geothermal Power and Transmission Corridors: a Status Report: Moderator Dave Olsen: panel: John McCaull, Geothermal Energy Association; James Avery, Sr. VP of SDG&E (Chair CTPG) or James Shetler, Asst General Manager of SMUD (Vice Chair CTPG); and Keith Casey, CAISO (invited)

10:30 – 10:45 Break

10:45 – 11:45 Geothermal Energy's Role in California's Energy Environment: Moderator Elaine Sison-Lebrilla, SMUD; panel - Gerry Braun, California Integrated Renewables Systems; Paul Douglas, Renewables Policy Div. CPUC (invited)

11:45 – 1:00 p.m. LUNCH

Afternoon Session

1:00 –1:30 Afternoon Keynote Speaker: Mary Nichols, Chairwoman, California Air Resources Board (CARB)

1:30 – 2:15 Incorporating Non-Power Geothermal Applications in California's Energy Portfolio: Moderator Liz Battocletti, Bob Lawrence and Associates; Panel - Dennis Murphy, GroundSource Geo; Dale Roberts, Sonoma County Water District

2:15 – 2:45 Small Power and Distributed Generation: Moderator Toni Boyd, Oregon Institute of Technology and Dale Merrick, Merrick Consulting

2:45 – 3:00 Increasing Geothermal Production using EGS Systems: Susan Petty, AltaRock Energy

3:00 – 3:15 BREAK

3:15 - 4:15 Current Issues Affecting Geothermal Energy in California: Panel Moderator Charlene Wardlow; Panel - Colin Williams, USGS; Cheryl Seath, Bishop Office BLM; Mignon Marks, California Energy Commission,

4:15 – 5:00 Moving Forward - An Open Discussion on Meeting Future Challenges: Karl Gawell, GEA and William Glassley, Program Wrap-up

5:00 Adjourn

Visit <http://cgec.ucdavis.edu/>. Registration is now open at <http://conferences.ucdavis.edu/confreg/index.cfm?confid=485>

Third National Roundtable, U.S. Forest Service, Washington DC (May 11–12)

Third National Roundtable - May 11-12, 2010 in Washington DC (Legacy Hotel, Rockville, MD). This meeting will allow stakeholders to discuss and build upon the synthesized results from the Science Forum and the preceding national and regional roundtables.

From the Meridian Institute: As you may be aware, the U.S. Forest Service is engaged in a collaborative process to engage, educate, encourage meaningful dialogue, and gain as much input as possible from interested stakeholders toward the development of a new National Forest Planning Rule. So far, there have been meetings at both the national and regional level with participation from a broad array of stakeholders. Through this process, we hope that both stakeholders and the Forest Service can explore new ideas, find common understanding, and clearly lay out where disagreements exist. This kind of information will be very valuable to the Forest Service as they develop new regulations that can guide planning across the great diversity of forests that exists.

In order to make this process successful, it is important that participants representing all forest users and interests have an opportunity to engage in these discussions. We would like to invite you to participate in the remaining national roundtable meetings.

The National Roundtables are being convened by the Forest Service with support from the US Institute for Environmental Conflict Resolution (USIECR) and the Meridian Institute. Please pre-register here: www.fsnationalmeetings.eventbrite.com. If you have questions concerning special needs or to request sign language interpretation, contact Danielle Youngblood at (202) 354-6451 or dyoungblood@merid.org at least a week before the scheduled roundtable.

So far, the Science Forum, one national and multiple regional roundtables have occurred. The results of these meetings will be posted on the Forest Service Planning Rule Website. Tribal collaboration and consultation, and an electronic discussion forum at the Planning Rule Blog are also being utilized to gather input. The national roundtables will include a webcast component with links to the planning rule blog to allow for participation by those unable to attend the events in person; webcasting may also be available for some of the regional roundtables. More information about the process, the Notice of Intent, and these meetings can be found on Forest Service Planning Rule Website.

Secretary Vilsack's charge to the Forest Service gives all stakeholders a unique opportunity to play a vital role in the development of a new National Forest Service planning rule that draws on the best elements of previous rulemaking efforts, while considering new scientific knowledge as well as the evolving values and priorities for forest and ecosystem management. Please join in this exciting endeavor. Thank you! The Meridian Institute Team

Added This Week

Geothermal Industry-BLM Quarterly Meeting, Sparks, NV (May 26)

Geothermal Industry-BLM Quarterly Meeting
Wednesday, May 26, 2010 @ 1:00 pm
John Ascuaga's Nugget
Southern Pacific A & B (Third Floor)

Please note the change in location for this meeting. A floor plan map of the meeting rooms at the Nugget can be found via <http://www.janugget.com/groups/floor-plans.asp>.

Please send agenda requests to Donna Stammers at dstammers@usgeothermal.com

GEA Events

Project Peer Review, DOE Geothermal Technologies Program, Crystal City, VA (May 18–20)

The Geothermal Technologies Program (GTP) will be holding a project peer review May 18-20, 2010, in Crystal City, Virginia. Key investigators involved in geothermal research projects will make short presentations and discuss their research with a panel of peer reviewers. Recently completed, in progress, and new projects will all be represented. On May 18, prior to the review, DOE managers will discuss GTP's challenges, opportunities, and plans for the future in a half-day meeting. DOE requires periodic third-party peer reviews of programs to evaluate their effectiveness, management, productivity, and relevance to DOE goals.

It has been several years since GTP's last peer review and the program is excited to see all its projects and principal investigators together in one place. The program looks forward to productive discussions and feedback on the projects.

The 2010 GTP Peer Review will be held at:
Hyatt Regency Crystal City
2799 Jefferson Davis Highway
Arlington, VA 22202

Visit <http://crystalcity.hyatt.com/hyatt/hotels/index.jsp> for more information. Block rates will be provided to GTP Peer Review attendees.

See http://www1.eere.energy.gov/geothermal/news_detail.html?news_id=15832.

**Note: For anyone attending the DOE GTP program review on May 18–20, GEA will extend the reduced GEA Member/Government Employee rate for admission to the GEA Global Geothermal Showcase and Forum on May 21 in Washington, DC. The program will include a panel of leading research project presentations!*

GEA Global Geothermal Showcase and Forum, Washington, DC (May 21)

GEA will be holding a one-day “Global Geothermal Showcase and Forum” in Washington, DC to showcase geothermal projects and governmental policies in the U.S. and around the world. There will also be a small exhibition area featuring exhibitors to date; GEA, U.S. Department of Commerce, U.S. Department of Energy, Potter Drilling, Perma Works, Emergent Corporation and our Gold Level Sponsor Pratt & Whitney Power Systems. Geothermal Energy is finally being recognized as part of the US' energy future, now we would like to help policy makers understand that geothermal energy is a global market with serious potential to help address global environmental and climate problems.

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 Global Geothermal Showcase and Forum will be widely attended with two-hundred industry leaders, foreign diplomats, financiers and government officials expected to participate.

Confirmed speakers include:

- Jay Nathwani, Technology Manager, U.S. Department of Energy Geothermal Technologies Program
- Chris Miller, Senior Advisor to Senator Harry Reid
- Allyson Anderson, Professional Staff, Senate Committee on Energy and Natural Resources
- James M. Kiiru, Commercial Attache, Embassy of the Republic of Kenya
- Karl Gawell, Executive Director, Geothermal Energy Association
- Nick Goodman, CEO, Raser Technologies
- Jim Slutz, Director, North America, Star Energy
- Halley Dickey, Director of Geothermal Business Development, TAS
- Toni Volpe, President, Enel North America
- Lou Capuano, Jr., CEO, ThermaSource, LLC
- Jonathan Weisgall, VP, Legislative and Regulatory Affairs, MidAmerican Energy Holdings Co.
- C.J. Arrigo, Director, Glacier Partners Corp.
- Jim Echols, Project Acquisition Manager, Magma Energy Corporation
- George Alcorn, CEO, Universal GeoPower
- Josh Nordquist, Project Manager, Ormat Technologies
- Charles Baron, Geothermal Program Lead, Climate and Energy Team, Google.org
- Bernie Karl, Owner, Chena Hot Springs
- Dr. Jefferson Tester, Croll Professor of Sustainable Energy Systems, Cornell University
- Ryan Mulholland, International Trade Specialist, U.S. Department of Commerce
- Mark Taylor, Lead Analyst, CCS and Geothermal, Bloomberg New Energy Finance
- Kerry McDonald, West Indies Power
- Mike Ronzello, North American Sales and Business Development Manger, Pratt & Whitney Power Systems
- Randy Norman, CTO, Perma Works LLC
- Kermit Witherbee, National Geothermal Program Manager, Bureau of Land Management
- Stuart Johnson, Vice President of Geothermal Resources, Ram Power
- Brian Fairbank, President/CEO, Nevada Geothermal Power
- Alexander Richter, Director, Sustainable Energy, Corporate & Investment Banking, Islandsbanki
- Alexandra McCann, Export-Import Bank
- Magnus Gehringer, Senior Energy Specialist, The World Bank
- Carol Werner, Executive Director, Environmental and Energy Study Institute
- Roy Mink, Board of Directors, US Geothermal, Inc.
- Martin O. Saar, Assistant Professor, Gibson Chair in Hydrogeology and Geofluids, University of Minnesota

Dimitrios Zevgolis, GEF Secretariat, Global Environmental Fund

When:

Friday, May 21, 2010

7:30 am Registration

9:00 am – 12:30 pm Morning Session

12:30 – 1:30 pm Luncheon

1:30 – 5:00 pm Afternoon Session

Where:

The Ronald Reagan Building and International Trade Center
1300 Pennsylvania Ave., NW, Washington, DC, USA

GEA would like to say a special thanks to our Gold Level Sponsor, Pratt & Whitney Power Systems. For more information, including the full agenda, visit: http://www.geo-energy.org/workshops/workshop_may21.aspx. With any questions, please feel free to email Kathy Kent at kathy@geo-energy.org.

13th Annual Congressional Renewable Energy + Efficiency EXPO + Forum, Sustainable Energy Coalition, Washington, DC (May 27)

Sustainable Energy Coalition
Cannon House Office Building — Caucus Room
Thursday, May 27, 2009

On May 27, 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 13th annual Congressional Renewable Energy & Energy Efficiency EXPO + Forum. Its theme will be "Renewable Energy + Energy Efficiency = Green Jobs".

This year's EXPO will bring together nearly fifty businesses, sustainable energy industry trade associations, government agencies, and energy policy research organizations 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. A morning news conference will feature Members of the U.S. Congress while afternoon speakers will discuss the role sustainable energy technologies can play in meeting America's energy needs.

The EXPO is free, open to the public, and no RSVPs are required. For more information or to inquire about exhibiting contact Ken Bossong, Sustainable Energy Coalition, 301-270-6477 x.11, kbossong614@yahoo.com.

GEA Geothermal Energy Workshop, Las Vegas, NV (July 22)

GEA is planning a Geothermal Energy and Utilities Workshop on July 22, 2010 in Las Vegas. This event will cater to the large number of utilities that are interested in geothermal energy. Registration opening in mid-April.

Contact: Kathy@geo-energy.org

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

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

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

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

Exhibitor Benefits include:

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

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

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

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

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

Contact: Kathy@geo-energy.org

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**May 2010 Geothermal Lease Sale, BLM, Reno, NV (May 11)**

The next geothermal lease sale is tentatively scheduled for May 11, 2010 at:

Bureau of Land Management

Nevada State Office

P.O. Box 12000 (1340 Financial Blvd.)

Reno, Nevada 89520-0006

See <http://www.blm.gov/nv/st/en.html> and

http://www.blm.gov/nv/st/en/prog/minerals/leasable_minerals/geothermal0/ggeothermal_leasing.html.

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The 2010 GTP Peer Review will be held at:

Hyatt Regency Crystal City

2799 Jefferson Davis Highway

Arlington, VA 22202

From http://www1.eere.energy.gov/geothermal/news_detail.html?news_id=15832.

Clean Energy and Business Development Mission, U.S. Department of Commerce, Indonesia (May 23–25)

Secretary of Commerce Gary Locke will lead a business development trade mission to Indonesia in May focused on clean energy deployment. Interested companies and trade associations can apply at http://www.trade.gov/cleanenergymission/tg_main_002483.asp. The mission should be a great opportunity for the U.S. geothermal industry to further deploy technologies in Indonesia. Contact Ryan Mulholland at Ryan.Mulholland@trade.gov or (202) 482-4693 or email CleanEnergyMission@doc.gov.

Policy Event – Breakfast on Parliament Hill, CanGEA, Ottawa, ON (June 17)

Canadian Geothermal Energy Association
<http://www.cangea.ca/>

CanGEA's Third Annual Conference & Trade Show, CanGEA, Vancouver, BC, (August 9 & 10)

Canadian Geothermal Energy Association
<http://www.cangea.ca/>

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

Canadian Geothermal Energy Association
<http://www.cangea.ca/>

Geothermal Investment Forum and Networking Event, CanGEA, Calgary, AB (December 3)

Canadian Geothermal Energy Association
<http://www.cangea.ca/>

Geothermal Energy Weekly

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

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