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GEA Weekly Update
February 3, 2009

National News

Senate Takes Up HR 1, American Recovery and Reinvestment Act of 2009

On Monday, February 2, the Senate began consideration of the economic stimulus package, HR 1. Several amendments will be offered by Senate Committees to the House measure, which the Senate hopes to complete this week.

The Senate Appropriations Committee approved its version of the appropriations provisions in the House bill on January 27. The Senate funding proposal, S. 336, includes:

- $10 billion for loan guarantees for renewable energy power generation and transmission
- $14.2 billion in funding for DOE's Energy Efficiency and Renewable Energy programs, including $2.6 billion for research, development and demonstration programs to accelerate deployment of renewable energy technologies including geothermal

The Senate Finance Committee also approved its amendment to the tax provisions of the House Bill. Among its provisions, the Finance amendment would:

- Extend the production tax credit for new geothermal plants through December 31, 2013
- Authorize an additional $1.6 billion for Clean Renewable Energy Bonds
- Remove the cap on residential tax credits for geothermal heat pumps
- Provides a 30% investment tax credit for investment in the manufacture renewable energy technology

One of the significant differences between the House and Senate tax provisions is that HR 1 includes a provision that would allow renewable developers to elect to receive direct grants in lieu of the renewable electricity production credit. The Senate Bill does not include a similar provision, but Senator Bingaman has announced a floor amendment that would add a similar program to the Senate Bill, see story below.

If the Senate is able to complete action on HR1, which most likely will require 60 votes to ensure passage, the House and Senate are expected to act quickly on resolving the differences between their two measures.

The goal is still to have a final stimulus package for the President to sign by President's weekend in mid-February.

Bingaman Promotes New Financing Plan for Producers of Renewable Energy

Press Release—February 3, Senator Bingaman Promotes New Financing Plan for Producers of Renewable Energy; Proposal Would Protect Taxpayers, Create/Preserve Jobs

Chairman Bingaman is urging Congress to include a creative new incentive program for renewable energy in the economic recovery package. The plan would stimulate renewable energy production by offering an alternative to tax equity financing, while ensuring protection for the American taxpayer.

To help meet President Obama's goal of doubling renewable energy production in three years, Bingaman plans to advance a proposal to enable renewable energy producers to claim a 30 percent cash grant from the U.S. Treasury Department in lieu of the 30 percent investment tax credit. Under this plan, the Treasury Secretary would award the grant only after determining that the producer has taken adequate actions to protect American taxpayers.

Bingaman, a senior member of Senate Finance Committee, noted that domestic demand for solar, wind and other renewable resources has grown rapidly over the past few years, and faster growth is anticipated in the near future -- especially with the expected enactment of a national Renewable Electricity Standard.

(Bingaman also authored a clean-tech manufacturers' tax credit to boost America's renewable energy industry. That provision already is part of the bill Senate Finance Committee reported last week.)

Because of the current economic situation, the availability of tax equity for renewable energy projects has dropped dramatically. About three-quarters of companies that were involved last year in providing tax-equity financing are no longer involved in such deals

"The squeeze in the tax equity market threatens to severely slow down the construction of new facilities for renewables. I strongly support the current Senate package, which would enable firms to carry back their tax credits for five years. But I also would support doing more, as long as we protect the American taxpayer.

"This grant proposal threads the needle by offering an opportunity for developers to monetize the production and investment tax credits, but does so in a commonsense way. Of course, no one is forced to accept a grant under my proposal; any project developer can still choose to go the traditional PTC or ITC route," Bingaman said.

Bingaman contrasted his approach with a provision in the House stimulus bill, which would allow for similar grants, but would be administered through the Department of Energy and not require participating firms to make tradeoffs to participate. "The House approach to addressing renewable energy financing is inadequate because it fails to protect the taxpayer, and because it needlessly involves the Department of Energy," Bingaman continued. "My proposal finds common ground by offering an alternative to financing through the tax equity markets, in a manner that protects the taxpayer and doesn't create a refundable tax credit in disguise."

Congress has generally not permitted corporate taxpayers to refund tax credits, Bingaman noted. "Despite my strong, longtime support for renewable energy production, I can't justify breaching that longstanding and fundamental principle of U.S. tax policy.

"In addition," Bingaman said, "we must especially ensure that we aren't subsidizing non-U.S. firms that have never even paid into the Treasury in the first place. I do not see why, for example, our Treasury should pay out 30 percent of project costs to a foreign developer who has never paid taxes in the U.S., unless that developer provides something in exchange."

By giving Treasury the opportunity to negotiate an interest in exchange for the grant, Bingaman's proposal offers an elegant solution to this policy challenge.

His proposal is modeled on the Emergency Economic Stabilization Act (EESA), which created the Troubled Asset Relief Program (TARP). Under EESA, Treasury can purchase troubled assets from financial institutions under the TARP program only if Treasury adequately protects taxpayers in exchange. EESA gives Treasury broad discretion to determine how best to carry out this mandate, subjecting the Treasury only to a "reasonableness" requirement.

Similarly, the Bingaman proposal does not presuppose a one-size-fits-all approach, but rather gives the Treasury Secretary broad discretion to determine how best to protect U.S. taxpayers -- a warrant, senior debt, or other interest.

Bingaman developed this approach in consultation with several renewable energy project developers and financiers, and industry representatives have praised it as a workable solution.

Additionally, Bingaman intends for utility-scale solar projects to benefit from his proposal. Because of their longer project build-out durations, utility-scale solar projects are effectively left out under the House provision.

Joe Berwind, founder of Alternative Energy Investing, one of the nation's leading independent analysts of alternative energy stocks, said, "I have been gravely concerned with the sharp and precipitous fall-off in tax-equity funding, the lifeblood supporting the growth of the renewable energy industry. Sen. Bingaman proposes to get renewable energy projects rolling again by stimulating the method which these projects are financed. This plan also protects the U.S. taxpayer and strikes us as effective in promptly reigniting growth in renewable energy funding in both its design and structure."

Edward Fenster, CEO of SunRun, Inc. (one of the fastest-growing and largest suppliers of residential solar power in the country) pointed out that "Congress just passed an eight-year solar tax credit because long-term certainty and stability are essential to encourage investment in renewable energy. Sen. Bingaman's plan to increase the tax credit carry-back period and to create a grant program that serves only as a backstop are good stimulus proposals because they will jump-start the financing market in a way that is complementary, not disruptive, to current long-term policy."

See *http://energy.senate.gov/public/index.cfm?FuseAction=PressReleases.Detail&PressRelease_id=2d88670f-4045-4ac8-b9e1-1fedce29e75c&Month=2&Year=2009&Party=0*.

Clinton Appoints Stern as Special Envoy for Climate Change

From *EESI Climate Change News*, Secretary Clinton Appoints Special Envoy for Climate Change

On January 26, Secretary of State Hillary Clinton named Todd Stern as a Special Envoy for Climate Change. Secretary Clinton stated that the unprecedented role "will serve as a principal advisor on international climate policy and strategy. He will be the Administration's chief climate negotiator. He will be leading our efforts with United Nations negotiations and processes involving a smaller set of countries and bilateral sessions." She added, "With the appointment today of a Special Envoy we are sending an unequivocal message that the United States will be energetic, focused, strategic and serious about addressing global climate change and the corollary issue of clean energy." A former advisor in the Clinton Administration from 1993 to 1998, senior White House negotiator in the Kyoto Protocol negotiations from 1997 to 1999, and advisor to the Secretary of Treasury from 1999 to 2001, Stern has most recently served as a lawyer and environmental expert at the Center for American Progress. In acceptance of his role, Stern said, "The time for denial, delay and dispute is over. The time for the United States to take up its rightful place at the negotiating table is here . . . We will need to engage in vigorous, creative diplomacy to dramatically reduce emissions."

For additional information see:
http://www.google.com/hostednews/afp/article/ALeqM5iSzqM24oSqHm-NEFw2HBshQSoMZg
http://www.reuters.com/article/politicsNews/idUSTRE50P3U920090126
http://voices.washingtonpost.com/44/2009/01/26/stern_appointed_climate_change.html?hpid=topnews
http://www.state.gov/secretary/rm/2009a/01/115409.htm

Geothermal Market, Government Support to Rise Steadily in 2009

An article from *Renewable Energy World* looks at the projected development of the geothermal industry in 2009. New projects, government support, and potential from added geothermal sources such as enhanced geothermal technologies all add to the prospects, the article said.

The article pointed out that although there are a lot of new projects, many need to find new sources of funding after the financial services market crash. Vancouver's Magma Energy Corp., the article mentioned, raised US $26 million through a share offer. The article cited many new projects that are going ahead as planned, and indicated that growth will be steady in 2009.

"Clearly renewable energy now is a strong buzz word in the Obama administration, and geothermal is playing a strong role in that. The draft economic stimulus package apparently has something like US $440 million set aside for geothermal projects. So the outlook is fairly positive, but it is funding dependent," Richard Putnam, the treasurer of Provo-based Raser Technologies, was quoted.

See http://www.renewableenergyworld.com/rea/news/story?id=54597.

Company News

Nevada Geothermal Power: Blue Mountain Construction Updated

Press Release Highlights— February 2, Update on Blue Mountain 'Faulkner 1' Geothermal Power Plant Construction, First Major Power Plant Components Delivered

VANCOUVER, B.C. — Nevada Geothermal Power Inc. (NGP) (TSX-V: NGP, OTC-BB: NGLPF) today provided an update on the construction activities at its Blue Mountain geothermal power project. Blue Mountain's 'Faulkner 1' includes the construction and operation of a 49.5 MW (gross) binary cycle geothermal power plant.

"NGP is on track to successfully develop the 'Faulkner I' geothermal power plant at Blue Mountain. NGP is accomplishing landmark milestones and realizing our objective of becoming a significant and profitable geothermal power producer," stated Brian Fairbank, President and CEO of Nevada Geothermal Power Inc.

The power plant construction under an Engineering Procurement Construction contract with Ormat Nevada Inc., a subsidiary of Ormat Technologies Inc., (NYSE:ORA) is proceeding on schedule and within budget with the following status report:

- All foundations for the power plant equipment and the cooling tower are complete;
- Switch yard and piping foundations are underway;
- Cooling tower is under construction;
- Access road improvements are complete;
- Electrical system, plant control, maintenance, administration office building is under construction;
- On January 22, 2009, Ormat delivered first components for the power plant, including isopentane storage tank, condensers and diffusers for the three Ormat Energy Converters (OEC's).

To view the progress of construction and equipment arrival at Blue Mountain, please click on link below,

http://www.nevadageothermal.com/i/PhotoGallery/BMNov-Jan2009/slideshow.html, or go to our website: http://www.nevadageothermal.com/ and click on the Gallery section.

Raser: Geothermal Resource Holdings Increases 37,000 Acres in Oregon

Press Release—February 3, Raser Significantly Adds to Its Oregon Geothermal Resource Holdings with 37,000 Acres

PROVO, Utah -- Raser Technologies, Inc. (NYSE: RZ) announced today that it has entered into a long-term lease agreement with private land owners covering 37,000 acres of geothermal resources in Southeastern Oregon. The terms of the lease agreement were not specified, but include surface and other rights necessary to build geothermal power plants. The property includes a number of hot springs and wells that indicate the presence of significant geothermal resources. "Working with the University of Utah's Energy and Geoscience Institute, Raser has determined this area is one of the more significantly promising geothermal systems," stated Brent M. Cook, CEO of Raser. "We believe this is a vast resource area of mid temperature binary potential."

"Well logs of drilling in the area over the last few decades in combination with our work done during the past 13 months in this area reveals heat and flows of geothermal fluids indicating that this is potentially a significant resource for geothermal development," stated Richard Clayton, Raser's Executive Vice President. "The land is ideally located in southern Oregon so that the power generated from the resource can be sold into either the Oregon or California renewable energy markets."

See http://www.tradingmarkets.com/.site/news/Stock%20News/2156330/.

Renewable and Climate Change News

Pelosi, Others Optimistic About Climate Change Bill

From *Sustainable Energy Coalition/SUN DAY Campaign*, Growing Optimism for U.S. Climate Change Bill:

Early indications suggest that 2009 may yield the most dramatic policy response to climate change in U.S. history. House Speaker Nancy Pelosi has said that a bill would be ready before the Copenhagen conference. Henry Waxman, chair of the House Energy and Commerce Committee, said a bill should be ready by May. The White House is also making early moves to address climate change. However, Senate Republicans prevented a cap-and-trade bill from coming to a vote last year and Democratic lawmakers are not all united. To further complicate the debate, more members of Congress now support carbon taxes after years of lawmakers focusing primarily on a cap-and-trade approach.

See http://www.worldwatch.org/node/6000.

Obama Overturns Two Policies on Climate Change

From *Climate Change Business Journal Weekly News*, Obama Reverses Key Bush Climate Change Policies

President Barack Obama has taken major steps towards reshaping the nation's energy and climate change policy by overturning two components of the Bush Administration's climate change position. In an executive order signed on January 26, Obama instructed the U.S. Environmental Protection Agency (EPA) to reconsider whether the state of California should be granted a waiver from the Clean Air Act and thereby given the authority to regulate greenhouse gas (GHG) emissions from motor vehicles. Bush's EPA had denied the waiver. In a second executive order signed the same day, Obama directed the U.S. Department

of Transportation (DOT) to issue guidelines for achieving an average fuel efficiency of 35 miles per gallon in U.S. motor vehicles by 2020 at the latest.

Obama's actions received mixed response from government officials, not in all cases along partisan lines. "Allowing California and other states to aggressively reduce their own harmful vehicle tailpipe emissions would be a historic win for clean air and for millions of Americans who want more fuel-efficient, environmentally friendly cars," said California Governor Arnold Schwarzenegger, a Republican. Senator George Voinovich (R-OH) took a more negative view, commenting "I am fearful that today's action will begin the process of setting the American auto industry back even further." He added, "The federal government should not be piling on an industry already hurting in a time like this."

General Motors Corp. (GM) issued a statement saying that "GM is working aggressively on the products and the advanced technologies that match the nation's and consumer's priorities to save energy and reduce emissions…We're ready to engage the Obama Administration and Congress on policies that support meaningful and workable solutions and targets." United Auto Workers Union Legislative Director Alan Reuther commented that Obama's actions "will certainly be challenged in court and take a long time to resolve."

Countries Launch International Renewable Energy Agency

From *EESI Climate Change News*, International Renewable Energy Agency Launched

On January 26, the International Renewable Energy Agency (IRENA) was launched at a Founding Conference held in Bonn, Germany. Primarily led by Germany, Denmark and Spain, the conference attracted over 120 government delegations, and resulted in a total of 75 nations, including both developing and industrialized countries, signing the Agency's founding treaty; the United States has not yet signed. Germany's Federal Environment Minister, Sigmar Gabriel, stated that now was the perfect time for IRENA's launch. "Climate change and the financial crisis demand a clear focus on future oriented and sustainable technologies such as renewable energies," he said. The role of IRENA will be to remove existing barriers for renewable energy development and to "facilitate access to all relevant information including reliable data on the potential of renewable energy, best practices, effective financial mechanisms, and state-of-the-art technological expertise." Hans Jorgen Koch, the Danish Deputy Secretary in the Ministry of Energy and Climate Change, said IRENA is also meant in part to exploit the weaknesses of the International Energy Agency (IEA). "For ten years the IEA has underestimated the competitiveness of renewable energy sources," Koch said.

For additional information see: http://www.guardian.co.uk/environment/2009/jan/26/irena-renewable-energy-summit, http://www.dw-world.de/dw/article/0,,3976247,00.html, http://www.businessgreen.com/business-green/news/2234994/international-renewables-agnecy, and http://www.irena.org/.

State News

California: Utilities Seeking to Fill Renewables Mandate

Major utilities in California are scrambling to meet the state renewable energy requirement, according to an article from pe.com, and the state's energy structure is being revised. Meeting the goal of 33% by 2020 will require adding 20,000 MW of renewable power to the state grid, enough to power 15 million homes, the article said.

Environmental concerns about development as well as financial market problems are creating problems in some areas, but many parts of the inland desert are seen as a great place to develop. "Because the California desert, particularly the Mojave Desert, is such a great place to develop solar and because of the proximity of large urban areas, there is probably more solar development going on in Southern California than

anywhere else in the world," Terry O'Brien, the California Energy Commission's deputy director of siting, transmission and environmental protection, told press.

"In my opinion, Imperial County will be the renewable capital of the country," Vince Signorotti, vice president of land management for Terra-Gen, a renewable-energy development company looking for solar and geothermal sites in the area, was quoted.

A provision in the state mandate allows utilities that can't deliver 20% renewable energy to its customers next year can make up for it by contracting on projects still in earlier stages. Southern California Edison is relying on this, Vice President Stu Hemphill told press.

See http://www.pe.com/localnews/inland/stories/PE_News_Local_S_renewables26.3d2d943.html.

Idaho: State Looks Toward Increasing Geothermal Development

An article on idahobusiness.net addresses the fact that Idaho is behind other states as far as development of geothermal energy. Idaho received a little over $2.9 million from the royalties program in the last two fiscal years, while California received more than $14.5 million and Nevada received $9 million, the article said, citing the January 2009 GEA report *Geothermal Revenue Under the Energy Policy Act of 2005*. The state has plenty of geothermal potential, but currently, there is only one commercially operated geothermal power plant.

U.S. Sen. Mike Crapo (R-Idaho) is interested in geothermal development support at the federal level. Idaho's congressional delegation will be working on legislation this year to increase financing capabilities for geothermal projects to give developers more control of the resource and help speed the process, the article said.

See http://www.idahobusiness.net/archive.htm/2009/02/02/Geothermal-royalties-not-so-hot-in-Idaho.

Oregon: OIT Holds Groundbreaking Ceremony for Geothermal Well

On January 24 the Oregon Institute of Technology held an official groundbreaking ceremony for a geothermal well to power the entire university campus, according to heraldandnews.com. John Lund, director of the OIT Geo-Heat Center, has been working toward the project for over three decades. The plant will save OIT $500,000 a year in energy costs and is an important demonstration of geothermal use in the area.

State and federal finances are funding the $8.5 million project, as well as other grants and tax credits. The new well will be up to 6,000 ft deep and tap water sources as hot as 300°F. Between 1.5 and 3 MW of electrical power are expected. U.S. Sen. Ron Wyden, D-Ore., has cited efforts to set aside $30 million in federal funds to study geothermal energy. He told press he is pleased that OIT project is getting off the ground.

See http://www.heraldandnews.com/articles/2009/01/26/feature_of_the_day/doc497c152d64224255971428.txt.

Utah: Governor Wants Utah to be Premier Renewable Energy Destination

Gov. Jon Huntsman wants Utah to become the "premier destination in America for renewable energy," he said in the State of the State address, according to ksl.com. A new Utah Renewable Energy Zones Task Force report shows Utah has some of the best potential in the nation for harnessing wind, geothermal and solar energy. Several renewable energy-related bills will test the governor's goal this session, the article said.

See http://www.ksl.com/?nid=148&sid=5446747. The UREZ Phase 1 *report is available at http://geology.utah.gov/sep/renewable_energy/urez/pdf/mp-09-1low.pdf.*

International News

Australia: WA Announces Preferred Applicants for Geothermal Exploration

Mines and Petroleum Minister Norman Moore has released the list of preferred applicants for geothermal exploration in the Perth Basin, according to wabusinessnews.com. The applicants are expected to develop energy primarily for the state's power needs and will help the state's economy.

The preferred applicants are:

- Green Rock Energy Limited/University of Western Australia - one area in Perth
- Green Rock Energy Limited/Worlsey Alumina Pty Ltd - three areas
- Green Rock Energy Limited/ARC Energy Limited - eight areas
- Green Rock Energy Limited - three areas
- AAA Energy Pty Ltd - one area
- Austral Iron Pty Ltd - one area
- New World Energy Solutions Pty Ltd - nine areas
- Granite Power Limited - two areas
- Geothermal Power Limited - three areas
- Torrens Energy Limited - two areas
- Thermal Resources Pty Ltd - three areas

See http://www.wabusinessnews.com.au/en-story/1/70031/Geothermal-energy-a-step-closer-for-WA.

Australia: Panax Reports Geothermal Resource Update

Press Release— January 29, Panax Geothermal reports 111,000 PJ Inferred Resource

Panax Geothermal (ASX:PAX) has announced that a further Inferred Independent Resource assessment has been completed with an Inferred Resource of 53,000 PJ for Rivoli / St Clair Troughs in a volume of rock of 215 cubic kilometers (km3) in GEL 173; and 17,000 PJ for the Rendelsham Trough in a volume of rock of 78 cubic kilometers (km3), covering parts of GEL's 170, 173, 184, and 212.

Following last week's announcement of an Inferred Resource of 41,000 PJ for the Penola Trough in GEL 223, Panax is pleased to report a total Inferred Resource of 111,000 PJ.

A resource assessment for the Tantanoola Trough is in progress.

Advanced nature of Panax resource: Panax is currently completing the required works to proceed with classifying part of the Inferred Resource for the Penola Trough, as an 'Indicated Resource' and/or as a 'Measured Resource'. This work is currently being conducted by HDRPL and will become available for release later this quarter.

Panax's understanding is that no other Australian Hot Sedimentary Aquifer ("HSA") projects are currently in a position to calculate 'Indicated' or 'Measured' geothermal resources, highlighting the advanced nature of the Penola Project within the national geothermal scene.

A renewable energy source of national import: The above resource results show that the Limestone Coast Geothermal Project has the potential to become a renewable energy project of national importance. This is especially so because of the envisaged rapid development schedules combined with the excellent location with respect to the national transmission grid.

Panax is scheduled to embark on demonstrating the potential by drilling its first production well, Salamander 1, in mid 2009. The completion of this well is expected to lead to the conversion of part of the geothermal resources to geothermal reserves.

See http://www.proactiveinvestors.com.au/companies/news/746/panax-geothermal-reports-111000-pj-inferred-resource-0746.html.

Australia: Geothermal Energy to Power University of WA

WA's first geothermal mine will be outside Perth at the University of Western Australia, according to news.com.au. Scientists will dig 2.5 km down for heating and cooling purposes, and data from the project will also be used for a desalination plant to use geothermal energy to create fresh water.

See http://www.news.com.au/perthnow/story/0,21598,24980590-2761,00.html.

Hungary: MOL Ups Stake in Geothermal Energy Company CEGE

Hungarian oil and gas group MOL has increased its 33% stake to 50% in the geothermal energy company Central European Geothermal Energy, according to youroilandgasnews.com. Founded in July 2008, ownership was originally split equally between MOL, the Australian Green Rock Energy International, and the Icelandic Enex. CEGE's mission seeks a position as market leader in geothermal energy in Hungary "through the exploration, production and sales of geothermal energy, the construction of geothermal power plants and technologies for directly supplying thermal heat," the article said.

See http://www.youroilandgasnews.com/hungary+mol+ups+stake+in+geothermal+energy+company+cege+to+50%25_22701.html.

Nevis: Energy Commissioner Tours Geothermal Drilling Site

On January 24, AABA Energy Commissioner Bruce Zagers toured geothermal drilling sites on the island of Nevis, according to sknvibes.com. He told press a large geothermal reservoir has been identified. Construction of the plant is set to begin in April, the article said. Energy will be supplied to neighboring Dutch islands, St. Kitts, the U.S. and British Virgin Islands, and Puerto Rico, among other islands.

See http://www.sknvibes.com/News/NewsDetails.cfm/8265.

Notices and Employment Opportunities

California Division of Oil, Gas, & Geothermal Resources Offices Furloughed

Effective February 6, California Division of Oil, Gas, & Geothermal Resources offices will be closed on the first and third Friday of each month. Please call 916-322-1110 (Northern California including Mono County) or 714-816-6847 (Southern California) for on-demand field tests or emergencies. They apologize for any inconvenience this may cause.

Employment: Chief Reservoir Engineer, CalEnergy

Collects and processes information on well-field and plant performance, diagnoses well problems and designs procedures to fix them. Requires a leadership role in data collection and problem solving. Uses advanced interpretation techniques of reservoir simulation to provide essential information for the resource

department's function of reservoir development and forecasting. The data is also used to support plant operations and comply with governmental reporting.

Qualifications:
Bachelor's degree or higher in engineering, preferably petroleum. At least fifteen years of related experience and/or additional resource engineering-related training. Geothermal resource engineering experience is required and some petroleum engineering experience in oil and gas is also desired.

To apply for this position and to view a complete job description, please visit our web site at www.calenergy.com.

Employment: Director of Geothermal Resources, CalEnergy

This position manages and directs the geothermal resources of the company. Responsibility of all geothermal well fields in which MidAmerican Energy Holdings Company has a interest, including the operating well fields of the Salton Sea (Imperial Valley, CA). and non-operating prospects in inventory and of development projects. This position manages the drilling and resource departments, including drilling operations on a 24/7/365 basis and other well maintenance work as required. This position is also responsible for providing a broad range of technical and scientific support to power generation operations, including resource and drilling operations, environmental compliance, development and other departments as required. As the top resource orientated technical position in the company, this position represents the company for resource technical issues in manners such as testimony before legal or regulatory agencies such as the California Energy Commission or the California Department of Oil, Gas and Geothermal Resources, or discussions to partners, financial institutions, trade groups, or environmental groups on well field related issues.

Qualifications:
Minimum of a bachelor's in engineering, earth sciences or related field. Have advanced degrees, training, and certifications specific to resource related topics. Has a minimum of 10-15years of demonstrated application of a diverse technical knowledge in all resource disciplines including reservoir engineering, drilling engineering, production engineering, reservoir modeling, geology, geophysics and geochemistry. Must have excellent skills in economics and planning. Must have shown successful managerial leadership in the fields of reservoir engineering and earth sciences, with a minimum of 10 years of management experience in this area. Must have working knowledge of geothermal power plant operations in relation to their relative effect or demands on the resource/well field operations in relation to plant operation. Knowledge of thermodynamics and metallurgy required. Advanced spreadsheet and computer database skills a must.

To apply for this position and to view a complete job description, please visit our web site at www.calenergy.com.

Employment: Senior Environmental Coordinator, CalEnergy

The senior environmental coordinator works with operating unit personnel to ensure awareness of and compliance with environmental regulations, policies and procedures and requirements of the company, assisting the operating group in the development of solutions to environmental issues. Monitors chemical, physical and biological hazards that could be present. Investigates environmental incidents and reports incidents to appropriate regulatory agencies. Assists with the development and delivery of environmental procedures and training. Implements environmental compliance self-inspections and recommends appropriate action to facility management. Recommends improvements in processes, design, procedures and operations to minimize environmental incidents. Maintains close contact with environmental health and safety, laboratory, operations and maintenance and other company departments. Assists in maintaining facilities' environmental licenses, permits and authorizations.

Qualifications:
Bachelor's degree in chemistry, environmental sciences or related field and 3-5 years environmental experience or equivalent work 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.) Five years of related experience. Background working in all environmental media. Demonstrated air, water, or waste/land use experience is required. A broad diversity of environmental work experience in private industry, governmental, and consulting is preferred.

To apply for this position and to view a complete job description, please visit our web site at www.calenergy.com.

Participants Sought for ESP Design Meeting (February 11, 2009)

Participants sought for an all-day design meeting for the ideal ESP, to be held in Palo Alto on Wednesday, February 11.

A limited number of participants are being sought for a one-day design meeting. The goal of the meeting is to develop the criteria for the ideal ESP (e.g., temperature, horsepower, diameter, efficiency, etc). Individuals knowledgeable in down hole submersible pumps and high temperature motors are explicitly sought. Representatives from pump companies are welcome.

Elevated temperatures in confined subsurface environments pose a unique set of challenges not encountered in other areas of energy retrieval. Recognizing this, a geothermal prize is being developed to spurn innovation and accelerate the manufacturing of robust geothermal pumps. The goal is a set of design criteria for an ESP pump that is technically feasible within the next five to seven years.

The initial stages of this prize project are being funded by the Lemelson Foundation. To learn more about this project please contact Lawrence Molloy at Lawrence.Molloy@gmail.com.

Employment: Project Director, Municipal Clean Energy Project, Alliance to Save Energy

The Alliance to Save Energy is seeking a Project Director to start-up and to lead the Municipal Clean Energy Project (MCEP). The MCEP is a new multi-year, national initiative to encourage investment in, and deployment of, energy efficiency and clean energy programs and policies by publicly owned power utilities in the U.S.

The Project Director will have oversight and responsibility for the entire MCEP program, will report to the Vice President of Programs for the Alliance as well as to the MCEP Steering Committee, and will liaise with key project partners.

The successful candidate must have at least five years of program management experience and three years of experience in one of the following areas: publicly owned utilities, municipalities and/or energy efficiency. The candidate must also demonstrate organizational, writing and communications expertise and have the ability to work with senior level executives to both design and lead multi-faceted programs and initiatives. S/he must have a demonstrated ability to build and lead partnerships and/or coalitions. The candidate will work in a fast-paced environment with highly motivated staff in a rapidly growing, energy efficiency-focused organization. The position requires a modest amount of travel, mostly within the U.S. Candidates must have at minimum a Bachelors degree, Masters preferred.

Initial funding has been secured from a major foundation for the development of this initiative and the donor has expressed their interest in the future expansion of the program. Additional proposals have already been submitted to other funding sources. The current funding cycle is through 2011.

The position responsibilities include, but are not limited to, the following:

•Manage MCEP logistics, including budgeting, communications reporting, maintenance of the project web site, and supervision of project personnel and contractors;
•Liaise with the MCEP Steering Committee and project partners;
•Compile, field test and produce "best practice" tool kits for use by MCEP participants;
•Coordinate with project partners in the delivery of MCEP workshops and the tracking of workshop outcomes;
•Manage special events, including a project launch and Municipal Clean Energy Summits;
•Integrate the activities of the MCEP with other leading clean energy policy initiatives.

Salary is competitive based upon experience. The Alliance to Save Energy offers a generous benefits package and a comfortable work environment in downtown Washington DC convenient to Metro. Consideration of candidates will begin immediately and continue until the position is filled. The Alliance is an equal opportunity employer.

Applicants should send a cover letter, resume, salary history and references no later than December 1, 2008 by mail to Dianne Streat, Director of Administration, Alliance to Save Energy, 1850 M Street, N.W, Suite 600, Washington, DC 20036, or via email to dstreat@ase.org. No calls please.

Resource Development Opportunity – Rosebud Sioux Tribe, Rosebud, SD

The Native American Tribe near Mission SD has a deposit of geothermal energy under their large Rosebud Reservation in South Dakota. See U.S. News & World Report, November 7, 2007, DOE map of U.S. Geothermal Hotspots, p. 52, reference to deposit p. 50.

Leigh Bryant-Zarse, the architect, engineer, and consultant in Wisconsin who is submitting this solicitation, attended a meeting of the Tribe Council on September 16, 2008. The Tribe presented him with a resolution to approach developers with free exploration rights on their reservation, and agreed to split 1/10 of 1% of the energy profits for a period of 2 years, if found. These parties are looking for help to develop the resource. The reservation exists under a sole ownership, making it easy to deal with.

Contact: Leigh Bryant-Zarse, Architect-Engineer-Consultant, 1812 Mountain Ave., Wauwatosa, WI 53213-2336, phone and fax: 414-259-1812
Rosebud Sioux Tribe: Chief Rodney Bordeaux, PO Box 430, Rosebud, SD 57570, phone 605-747-2381

Employment: Research Associate II, SMU Geothermal Laboratory

Position: The SMU Geothermal Laboratory, Dallas, Texas, has an opening for a Research Associate II for an appointment of 2 years. The research is supported in part by a grant from GOOGLE.org to SMU. The activities associated with the position relate to the temperature field of the U.S. lithosphere. The outcome is the ability to make sound resource related renewable energy decisions. This research will build on the extensive thermal data sets used to produce the 2004 Geothermal Map of North America by collecting new data and modeling the regional thermal structure.

Qualifications: A PhD in geosciences is strongly preferred or an MS in geophysics and 3 years of work experience. Candidates must demonstrate strong analytical/critical thinking skills to identify issues and information requirements, apply appropriate research and analytical procedures, and review data with a strong focus on attention to detail and accuracy.

Apply online at http://smu.edu/hr/recruit/ search for "geothermal"
Contact: Dr. David Blackwell, blackwel@smu.edu, 214-768-2745

Employment: Geothermal Engineering Analyst, National Renewable Energy Laboratory

Geothermal Engineering Analyst—Requisition #114BR or 115BR—Washington, D.C.

Job/Research Summary: This position performs technology, market and economic analysis, with an emphasis on geothermal energy technology, systems, and infrastructure. Work carried out will support R&D and decision-maker support activities within the Geothermal program through the use of analysis methodologies such as economic feasibility, market transformation, risk, portfolio balance, and cost-versus-benefit. Design novel approaches for systems and infrastructure analysis. Deliver quality products that synthesize the inputs of team members, researchers, market players, and other analysts. Innovate new methods, tools, and approaches that enable greater understanding of geothermal systems.

Job Duties: Combines broad, in-depth knowledge of chemical and/or mechanical engineering with an emphasis on process, heat transfer, and fluids engineering with strong economic analysis capabilities. Performs engineering/economic analyses of geothermal systems and electric transmission in cooperation with research community to gather and understand field data. Documents work in detailed technical memos and internal milestone reports; publishes and presents key results in peer-reviewed journals and at regional, national, and international scientific meetings and conferences. Supports the development of annual operating plans and assists with strategic planning efforts. Works with Department of Energy on technology goals and opportunities.

Minimum Qualifications: Bachelor's Degree in science and/or engineering, or equivalent/relevant education/experience. 3 years of relevant R&D experience.

Preferred Qualifications: Multidisciplinary research exposure to both chemical and mechanical engineering systems, especially those related to the development of cost-effective geothermal systems for utility-scale applications. Familiarity with value chain analysis, risk analysis, and dynamic modeling. Experience in the development and evaluation of applied technology aimed at entering the marketplace. Previous industry experience in renewable energy and geothermal technologies, with experience in related analysis. Established base of contacts with individuals and institutions relevant to energy analysis. Experience working with the federal government. Some experience with computer modeling of energy markets.

Pre-employment drug testing required.
Please visit our website for more information and to apply online: www.nrel.gov/employment/
NREL is an equal opportunity employer committed to diversity and a drug-free workplace.

Employment: Sales Manager, Ormat Technologies

Ormat Technologies has an immediate opening for a full time Sales Manager located in our Reno, NV. The ideal candidate will 10+ years in related Sales experience in the energy/renewables industry.

Position Title: Manager of Sales, Geothermal Development; Department: Business Development; Location: Corporate Office Reno, NV; Reports to: Director, Geothermal Development; Position Summary: The Manager of Sales, Geothermal Business Development, will be responsible for the sales and marketing of renewable energy products. The selected candidate will help lead the commercialization and sales efforts for Ormat's latest geothermal supply of geothermal plant equipment, electrical power generation projects, as well as the supply of engineering and construction services for 3rd Party power projects.

Essential Functions: Develop detailed sales and marketing strategies to grow sales within the power generation industry; Conduct market segmentation research, identify lead databases and determine sales channels to establish customer opportunities and spearhead direct sales efforts; Manage customer relationship from initial feasibility trials through to field deployment.

Other Responsibilities: Work flexibly within a dynamic, multidisciplinary team.

Education, Experience and Skills Required: Minimum of 10 years experience in a similar position; Bachelor's degree in Marketing or related field or equivalent experience and/or technical qualifications relevant to the geothermal applications, as well as Engineering and Construction; Experience in marketing or application engineering; Experience working directly with customers in a sales organization with strong communication and interpersonal skills.

Physical Requirements: Must be able to travel regularly

To apply for the position please send a resume to Chris@redfishtech.com.

Employment: Engineer V, Geothermal Experience Preferred, Northern California Power Agency

Performs engineering tasks relating to plant reliability/ performance efficiency, primary technical resource for CMMS, supervises implementation of system/equipment repairs/upgrades, PM for plant efficiency upgrade/retrofit projects, construction mgr for public works projects, supervises plant chemical lab & environ, health/safety staff. First 4–6 months, position assigned to NCPA HQ office/Roseville, then GEO Plant, Middletown, CA thereafter. During initial period in Roseville, temp housing provided if required.

Requires BA in electrical/mechanical engineering; MA preferred; and min 10 yrs exp plant/production engineering, preferably within geothermal industry; 2 yrs experience plant reliability/ maintenance engineering & 2 yrs mgmt. exp preferred. Requires knowledge/experience in industry codes/standards; CMMS, Root Cause Failure Analysis, Reliability Centered Condition Based/Mntc, CBM equip; steam turbine plant monitoring & power plant electrical sys; writing, analyzing/interpreting scientific/tech info.; making presentations and some travel in CA. Starting salary: $96 to $121K plus exc employer benefits inc CalPERs retirement/medical.

Application at www.ncpa.com

Requests for Proposals (RFPs)

RFP for National Geothermal Database, U.S. DOE (February 3)

The U.S. Department of Energy requests proposals for the National Geothermal Database Grant. Through this RFP, DOE seeks the creation of a web-based National Geothermal Database that will serve as a central repository for all publicly accessible geothermal data. $5 million expected to be available, 1 award anticipated. Responses due 2/3/09.

For more info, contact Pete Simon at GO.Geothermal@go.doe.gov or go to: https://e-center.doe.gov/iips/faopor.nsf/UNID/7CAC4E5E3DA165D9852574D30071183E?OpenDocument. Refer to Sol# DE-PS36-08GO98020. (Grants.gov 9/29/08)

RFP for Electric Efficiency Research, California Energy Commission (February 4)

The California Energy Commission requests proposals for Energy Innovations Small Grant Program (EISG) – Electricity Program, to conduct research that establishes the feasibility of new, innovative energy concepts. Project must address one of the following research areas: Industrial/Agriculture/Water end-use efficiency; building end-use efficiency; environmentally preferred advanced generation; renewable generation; energy-related environmental research; and energy systems integration. EISG provides $95K for hardware projects and $50K for modeling projects. Responses due 2/4/09.

For more info, go to: http://www.energy.ca.gov/contracts/smallgrant/08-03_electricity/index.html. Refer to Sol# 08-03.

Request for Renewables, Municipal Energy Agency of Nebraska (February 6)

The Municipal Energy Agency of Nebraska seeks up to 30 MW of long term wind energy resources and associated environmental attributes by the end of 2009 and will consider 2010 projects. The wind projects must interconnect on the Public Service of Colorado or the Rocky Mountain Region transmission system of Western Area Power Administration. Responses due 2/6/09.

For more info, go to: http://www.nmppenergy.org/mean/. (Green Power Network 12/1/08)

RFP for Small Business Technology Transfer, National Science Foundation (February 25)

The National Science Foundation requests proposals for the Small Business Technology Transfer Program (STTR). STTR seeks to stimulate technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal R&D needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. Areas of interest include: Materials for Sustainability, Bio-inspired Materials and Systems, Smart Materials and Structures, and Nanostructured Materials. $5 million expected to be available, up to 35 awards anticipated. Letters of Intent are required and are due 1/14/09, final proposals due 2/25/09.

For more info, contact Cheryl Albus at calbus@nsf.gov or go to: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08608. Refer to Sol# 08-608. (Grants.gov 9/22/08)

RFP for Energy Efficiency, Renewable Energy, and Transmission Technologies, DOE (February 26)

This solicitation announcement (DE-PS01-08LG00001) invites the submission of applications for loan guarantees under Title XVII of the Energy Policy Act of 2005, 22 U.S.C. 16511-16514 ("Title XVII"), from the U.S. Department of Energy in support of debt financing for projects in the U.S. that employ energy efficiency, renewable energy, and advanced transmission and distribution technologies that constitute New or Significantly Improved Technologies. Copies of related regulations may be found at http://www.lgprogram.energy.gov/.

DOE is actively promoting projects that fall within the following three general but distinct project type categories: (1) manufacturing projects, (2) stand-alone projects, and (3) large-scale integration projects that may combine multiple eligible renewable energy, energy efficiency and transmission technologies in accordance with a staged development scheme.

The applicant is requested to specify which, if any, of the following project types and technology categories most accurately represents its project: (1) Alternative Fuel Vehicles, (2) Biomass, (3) Efficient Electricity Transmission, Distribution and Storage, (4) Energy Efficient Building Technologies and Applications, (5) Geothermal, (6) Hydrogen and Fuel Cell Technologies, (7) Energy Efficiency Projects, (8) Solar, and (9) Wind and Hydropower.

With questions, email the LGPO at lgprogram@hq.doe.gov. Please include in the subject line "RETDEE Solicitation Question." Completed applications due February 26, 2009 Full announcement can be found athttp://www.lgprogram.energy.gov/keydocs.html.

RFP for Renewables, Oklahoma Gas and Electric (February 27)

The Oklahoma Gas and Electric Company seeks 300 MW of eligible wind energy resources that will be interconnected to the Southwest Power Pool and operational by 12/31/10. Notice of Intent to Bid due 2/9/09, final proposals due 2/27/09.

For more info, go to: http://www.oge.com/es/rfp/wind2008-rfp.asp. (Green Power Network 12/10/08)

RFP for Alternative Fuels & Clean Cities, U.S. DOE (February 27)

The U.S. Department of Energy requests proposals for Clean Cities FY 09 Petroleum Reduction Technologies Projects for Transportation Sector, for projects covering a range of alternative fuel and transportation-related technology deployment and educational activities. Areas of interest include: 1) Refueling Infrastructure for Alternative Fuels, 2) Incremental Costs of Dedicated Alternative Fuel Vehicles, and 3) Education and Outreach Workshops for Petroleum Reduction Fuels and Technologies. Up to $6 million expected to be available, up to 24 awards anticipated. Responses due 2/27/09.

For more info, contact Janet Laukaitis at janet.laukaitis@netl.doe.gov or go to: https://e-center.doe.gov/iips/faopor.nsf/0ba000b968a07c9885256c3f0067b90d/1a2666e72e53ddbe85257527005b80df?OpenDocument. Refer to Sol# DE-PS26-09NT01236-00.

RFP for Environmental Sustainability, National Science Foundation (March 1)

The National Science Foundation requests proposals for the Environmental Sustainability Program. This program supports engineering research that seeks to balance society's need to provide ecological protection and maintain stable economic conditions. The four principal research areas include: Industrial Ecology, Green Engineering, Ecological Engineering, and Earth Systems Engineering. Responses due 3/1/09.

For more info, contact Bruce Hamilton at bhamilto@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027. Refer to Sol# PD-09-7643. (Grants.gov 12/5/08)

RFP for Environmental Implications of Emerging Technologies, National Science Foundation (March 1)

The National Science Foundation requests proposals for the Environmental Implications of Emerging Technologies Program. This program provides support to develop and test the environmental effects of new technologies and emphasizes engineering principles underlying technology impacts. Innovative production processes, waste reduction, recycling, and industrial ecology technologies are of particular interest. Responses due 3/1/09.

For more info, contact Paul Bishop at pbishop@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501030. Refer to Sol# PD-09-1179. (Grants.gov 12/5/08)

Comments Sought on Draft Documents, Map, Western Renewable Energy Zones Initiative (March 2)

The Western Renewable Energy Zones Initiative urges all interested parties to comment on areas that have been identified through the WREZ process as having high quality and developable renewable resources. The aim of the WREZ initiative is to expedite the development and delivery of electricity generated by renewable energy.

Key Dates and Events:

- Present - April 2009 - ZITA and E&L work groups continue to refine recommendations
- February 2 - March 2, 2009 - Public comment period
- April 23 - 24 2009 - Technical Committee meeting in Salt Lake City, Utah to recommend final REZs, and next steps for Phases 2 - 4 to the Steering Committee
- April TBD - Comment period on revised REZ maps that identify areas with wildlife sensitivities
- April - May 2009 - Steering Committee acts on Technical Committee recommendations
- June 14 - 16, 2009 - WREZ Phase 1report on the identification and mapping of commercial renewables, including REZs, presented to the governors and premiers at WGA's Annual Meeting
- Fall 2009 - Phase 2 conceptual transmission planning report completed. Phase 3 discussion begins among utilities on coordinated procurement. Phase 4 collaborative efforts begin among state and federal agencies in the review of permits for interstate transmission.

For general questions, contact Madeleine West, Energy Program Associate, mwest@westgov.org, 303-623-9378 ext. 125

Several draft documents and a map are available for review and comment. Background on the WREZ project is provided below and can be viewed online at: http://rs6.net/tn.jsp?et=1102433942863&e=001eKTxUuCS9bosPScXmm03jt4vgEMtGWGxxHec00s6q99ERneXH_nquSz2jicR8Z7Fg6WfYyF9Q4VPIQPMwEMH_oW9hXV20VRgvrWKMM-A2henMQwejPltdtqrMtv3eNPmj3e-Z3J9NIsj3VPbFtipDakrurHYafn2fBoHBQGEgs8=.

RFP for Community Action for a Renewed Environment, U.S. EPA (March 16)

The U.S. Environmental Protection Agency requests proposals for the Community Action for a Renewed Environment (CARE) program. CARE is a community-based, community-driven, multimedia demonstration program designed to help communities understand and reduce risks due to toxic pollutants and environmental concerns from all sources. $3 million expected to be available, up to 18 awards anticipated. Responses due 3/16/09.

For more info, contact Dennis O'Connor at oconnor.dennis@epa.gov or go to: http://www.epa.gov/air/grants_funding.html. Refer to Sol# EPA-OAR-IO-09-02. (Grants.gov 12/17/08)

RFP for Combined Heat and Power, California Energy Commission (March 19)

The California Energy Commission requests proposals for the Combined Heat and Power and Combined Cooling, Heating, and Power Grant Solicitation. Through this RFP, the CEC seeks RD&D projects that will advance the science, technology, and market penetration in CA of grid-connected, Combined Heat and Power (CHP) systems, which are closely integrated with prime movers (engines, turbines, and fuel cells). Proposals due 3/19/09.

For more info, go to: http://www.energy.ca.gov/contracts/pier.html. Refer to PON# 08-005.

Upcoming Events

Next Generation Energy Network, February 4, The Harvard Club (New York City)

NextGen presents a networking event for your professionals in energy and commodities featuring Karl Gawell, GEA's Executive Director, as keynote speaker – 7pm cocktails, 8pm speaker. Please RSVP to nextgenRSVP@gmail.com.

Ground Engineering Geothermal Energy, February 5 (London, England)

Ground Engineering Geothermal Energy: Unlocking opportunities, collaborating across disciplines and understanding what works

Thursday 5th February 2009, Earls Court Conference Centre, London SW5

Explore latest approaches to harnessing ground source energy and learn from the experiences others have had in this growing sector. Capitalize on the opportunity to position your firm ahead of the competition and attract new clients to the services you offer.

Key speakers include:
•Duncan Nicholson, Director, Arup
•Aleksandra Sasha Krstanovic, Regional Director, Faber Maunsell
•Brian Mark, Director of Sustainability, Fulcrum Consulting
•Peter Smith, Geothermal Manager, Cementation Skanska
•Dr Robin Curtis, Technical Director, Earth Energy Ltd

Register today to:
•Build relationships in this sector
•Get technical information on the building services and geotechnical challenges of ground source energy
•Hear from leading players within the geothermal field

For more information visit www.gegethormal.co.uk, call 0845 056 8069 or email constructconferences@emap.com. Quote "GEA" when you register

34th Stanford Geothermal Workshop, February 9–11, 2009 (Stanford, CA)

This workshop will bring together Engineers, Scientists and Managers involved in geothermal reservoir studies and developments; provide a forum for the exchange of ideas on the exploration, development and use of geothermal resources; and enable prompt and open reporting of progress.

Papers will be presented on recent research relating to geothermal reservoirs including:

* Case Studies: reservoir response to production, effects of injection, scaling characteristics
* Enhanced Geothermal Systems (EGS): current and future activities
* Engineering Techniques: reservoir simulation, empirical methods, well tests, tracers
* Field Management: strategies for exploitation, injection, scale inhibition
* Exploration: geophysics, geochemistry, geology, heat flow studies, outflows
* Drilling and Well Bore Flows: well stimulation, bore flow modeling, hydro-fracturing, scaling
* Low Enthalpy Systems: applications of heat pumps, hot dry rock technology
* Geosciences: application of geophysics, geochemistry, thermodynamics and fluid mechanics.

For more information such as abstract submission, last year's workshop format, and more visit http://pangea.stanford.edu/ERE/research/geoth/conference/workshop.html.

Workshop on Feed-in Tariffs, California PUC, February 10 (San Francisco, CA)

The California Public Utility Commission (PUC) will hold a workshop on "Renewable Feed-in Tariffs" on February 10, 2009 in San Francisco.

The workshop notice is the first formal response by the PUC to the recommendations by the California Energy Commission that the PUC immediately implement a system of differentiated feed-in tariffs for renewable energy projects less than 20 MW.

The workshop is to determine whether the PUC should open an existing docket to include expanding the present feed-in tariff for projects up to 1.5 MW that has been largely ineffectual.

Prior to the workshop, staff will issue a data request that will identify the topics of the workshop and contain questions seeking comment. Contact Jaclyn Marks at jm3@cpuc.ca.gov <mailto:%20jm3@cpuc.ca.gov> or 415-703-2257 for more details.

Wisconsin has also opened a formal docket into Advanced Renewable Tariffs, a system of feed-in tariffs differentiated by technology, size, application, and resource intensity.

Hawaii's Public Service Commission has also opened a docket on feed-in tariffs.

The commissions in both Wisconsin and Hawaii are on expedited schedules. Hawaii's feed-in tariffs are to be implemented by mid-summer.

GeoFund–IGA Geothermal Workshop, February 16–19, 2009 (Istanbul, Turkey)

Partnership International, Inc would like to invite you to the GeoFund - IGA Geothermal Workshop in partnership with the IGA (International Geothermal Association) and the World Bank this February 16-19, 2009 at the President Hotel in the heart of old-city Istanbul, Turkey.

The goal of the Workshop is to educate participant and thereby enable geothermal development via World Bank and IFC GeoFund as well as private sector financing. These GeoFunds will enable the development of bankable geothermal existing and greenfield projects, and help mitigate the risk of explorations in Europe Central Asia region. As outlined by the World Bank's GeoFund initiative, the workshop aims to help educate participants on how to secure these funds for geothermal developments in 2009:

Direct Investment: GeoFund, via the World Bank, will support selected project developers by providing low cost loans, contingent grants and outright grants which would cover part of the project cost through monetization of external benefits. GeoFund via the IFC, the GeoFund will help improve the performance of existing geothermal installations through renovation of existing facilities, and will support bankable business plans greenfield facilities where the resources are promising.

Geological Risk Insurance Window: GeoFund will partially insure project developers/investors against the short-term and medium-term geological risks. This insurance will help mitigate the risks associated with geothermal energy exploration.

For more information, please see that attached Application, or visit the website: http://www.partnership-international.com/GeothermalEnergy.php.

If you are interested in a Best Practice Geothermal Kiosk please visit the website: http://www.partnership-international.com/Geothermal_Kiosk.php.

For information on being a Corporate Sponsor in the workshop – please contract Tracy Mathieu for further information: http://www.partnership-international.com/GeothermalSponsors.php.

Featured Event: Renewable Energy World Conference and Expo North America 2009, March 10–12, 2009 (Las Vegas, NV)

North America's Premier Renewable Energy Conference & Expo Is Now in its 6th Year!

The Renewable Energy World Conference & Expo North America (formerly POWER-GEN Renewable Energy & Fuels) has a proven track record– now in its 6th year– as renewable energy's leading conference. It offers a worldwide audience who will hear papers, panel discussions and presentations during technical

sessions related to technology, markets, business strategies and policy covering the wind, solar, biomass, hydro, geothermal, ocean/tidal/wave, bio-power, bio-fuels hydrogen and energy sectors. There has never been a better time to be a part of the exciting, ever-growing world of renewable energy!

Connecting 5,000 renewable energy power professionals with 300 exhibitors for three days of networking, new business negotiation, and the exchange of important ideas and information impacting the renewable energy industry today.

REenergize with new technologies, new companies, new strategies and new views!

The Geothermal Energy Association will be cosponsoring this event, with panels on geothermal energy soon to come. For more information and to register, visit http://rewna09.events.pennnet.com/fl/.

New Date: Canadian Geothermal Energy Association Conference and AGM, April 22–24, 2009, (Vancouver, B.C.)

The Canadian Geothermal Energy Association (CanGEA) announces their Workshop, Tradeshow, Conference and AGM on April 22–24, 2009 in Vancouver, BC.

CanGEA also announces that its 2009 membership drive has begun. CanGEA welcomes all members interested in advancing the development of Canada's vast resources. In addition, members receive premium benefits on one of the world's most popular geothermal websites.

Visit the Web site for information: http://www.cangea.ca/.

Featured Event: GEA Project Showcase, Newseum, May 6, 2009 (Washington, DC)

GEA will be inviting the DC energy policy and technology community to see geothermal energy projects under development in the West at the Newseum in Washington DC. Leading geothermal companies in the U.S. will show their new geothermal projects either near completion or just coming online. Companies will share footage (video or stills) and talk about their projects. A panel discussion with moderator is also expected to be part of this half-day event. For more information contact Kathy Kent at kathy@geo-energy.org.

Featured Event: GEA Geothermal Finance and Development Workshop, Washington Convention and Trade Center, June 3, 2009 (Seattle, WA)

GEA will hold its next in a highly successful series of Finance and Development Workshops in Seattle, WA on June 3. The agenda of this workshop will include a U.S. Geothermal update, panel of project developers, technology panel, finance panel, community/environmental panel, tribal and power company perspectives, keynote presentations by the Mayor of Seattle and other notable invitees. While encompassing development across the U.S., some presentations will focus on the Pacific Northwest. This event will be promoted nationwide and to the media. For more information contact Kathy Kent at kathy@geo-energy.org.

Featured Event: GEA Direct Use/Small Power Finance Workshop, Oregon Institute of Technology (OIT), August 12-13, 2009 (Klamath Falls, OR)

GEA in cooperation with OIT will host a geothermal direct-use and small power workshop in Klamath Falls, Oregon in the summer of 2009. The format would be an all day workshop with a site tour the following day. Included in the workshop agenda will be the how-to's of financing a small power/direct use project, direct use technology, presentations of small projects and direct use projects today and information

about drilling and exploration for such projects. For more information contact Kathy Kent at kathy@geo-energy.org.

GEA Update
A newsletter for GEA Members written by Leslie Blodgett and Karl Gawell.
For more information contact GEA at: 209 Pennsylvania Avenue SE, Washington, D.C. 20003. Phone: 202-454-5261; Fax: 202-454-5265; E-mail: research@geo-energy.org