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GEA Weekly Update
January 26, 2009

National News

Full House Consider Stimulus Bill; Senate Finance Committee Schedules Mark-up — Major Geothermal Provisions Included in Both Measures

With the Inauguration now completed, Congress and the Obama Administration are settling in to complete action on a massive economic stimulus bill in the coming weeks. The legislation includes major provisions for renewable technologies, including geothermal energy.

In the House last week, Committees adopted provisions that have now been combined into HR 1, the American Recovery and Reinvestment Act of 2009. The House Leadership hopes to bring up the rule for considering the bill before the full House of Representatives Tuesday, January 27, and with its approval begin considering the bill the following day.

Key provisions in HR 1 include:

- A $400 million appropriation for the Department of Energy specifically for geothermal energy research, development, demonstration and deployment;
- Extension of the production tax credit's placed in service date for new geothermal projects from 2011 to 2014;
- An increase in Clean Renewable Energy Bonds for municipal utilities, coops, and public power entities by $1.6 billion;
- Cash grants for renewable projects on-line in 2009 and 2010 in lieu of tax credits, under certain conditions;
- Expansion of the DOE Loan Guarantee program to include commercial renewable energy projects and electric transmission systems, and appropriation of $8 billion for these loan guarantees;

The full text of HR 1 is available on the House Appropriations Committee web site at: http://appropriations.house.gov.

Meanwhile, the Senate Finance has scheduled a mark-up of its version of the stimulus legislation for the Tuesday, January 27, as well. The Senate bill contains many tax provisions similar to the House but adds a

30% advanced energy manufacturing credit and instead of a grant program offers other tax provisions designed to make the PTC and ITC more useable.

Draft materials on the Senate Finance bill are available at:
http://finance.senate.gov/sitepages/legislation.htm.

Renewable Energy Offices Will Expedite Projects

Press Release—January 16, Secretary Kempthorne Authorizes BLM to Establish Special Offices to Expedite Development of Renewable Energy

In a move aimed at accelerating the development of renewable energy on public lands, Secretary of the Interior Dirk Kempthorne today issued a Secretarial Order that authorizes the Bureau of Land Management to establish coordination offices that will expedite the permitting of wind, solar, biomass, and geothermal projects, along with needed electrical transmission facilities, on BLM-managed lands. The Secretary's action advances the Interior Department's efforts to achieve the goal that Congress set in Section 211 of the Energy Policy Act of 2005, which calls for the development of 10,000 MW of non-hydropower renewable energy projects on the public lands by 2015.

"At a time when America is crying out for renewable forms of energy, it is critical that the Federal government expedite the development of wind, solar, biomass, and geothermal resources on public lands," said Secretary Kempthorne. "This is another step forward in this Administration's effort to create a diverse portfolio of domestic energy supplies for the future."

The to-be-established energy offices, known as Renewable Energy Coordination Offices, will be designated by the BLM and will initially be located in those states where the greatest interest has been shown in renewable energy development: Arizona, California, Nevada, and Wyoming. "These new offices will not only support the timely processing of renewable energy project applications, but also will ensure that renewable energy projects and electrical transmission facilities comply with all environmental laws and regulations," BLM Director Jim Caswell said. Among those laws are the National Environmental Policy Act of 1969, the Endangered Species Act of 1973, and the National Historic Preservation Act of 1966. The Renewable Energy Coordination Offices will be staffed by BLM employees from a variety of natural resource disciplines, and will also receive staff support from the U.S. Fish and Wildlife Service and other bureaus within the Department of the Interior.

The Order issued today by Secretary Kempthorne authorizes the BLM Director to allocate resources that support the processing and permitting of renewable energy projects on public lands; to develop best environmental management practices for these projects; to recover costs in the processing of renewable energy applications; and to improve coordination with other Federal agencies, including the Department of Energy and the Environmental Protection Agency, as well as state agencies, in order to facilitate the processing and permitting of renewable energy projects on public lands.

The BLM manages more land – 256 million acres – than any other Federal agency. This land, known as the National System of Public Lands, is primarily located in 12 Western states, including Alaska. The Bureau, with a budget of about $1 billion, also administers 700 million acres of sub-surface mineral estate throughout the nation. The BLM's multiple-use mission is to sustain the health and productivity of the public lands for the use and enjoyment of present and future generations. The Bureau accomplishes this by managing such activities as outdoor recreation, livestock grazing, mineral development, and energy production, and by conserving natural, historical, cultural, and other resources on public lands.

From BLM Newsbytes "Secretary Kempthorne authorizes BLM to establish special offices to expedite development of renewable energy" (BLM national news release, 1/16/09) To help speed development of renewable energy on public lands, former Secretary of the Interior Dirk Kempthorne issued a secretarial order that authorizes the Bureau of Land Management to establish coordination offices to expedite the permitting of wind, solar, biomass, and geothermal projects, along with needed electrical transmission

facilities, on BLM-managed lands. The offices will initially be located in those states where the greatest interest has been shown in renewable energy development: Arizona, California, Nevada, and Wyoming. http://www.blm.gov/ca/st/en/info/newsroom/2009/january/WO0914_Renewable_Offices.html "Big Nevada power line proposed" (Associated Press in San Francisco Chronicle, 1/20/09) Company plans 347-mile power line "from Yerington in the north to Jean in the south, giving Las Vegas and Southern California access to geothermal power resources in northern Nevada ... Separately, the company has applied to the federal Bureau of Land Management for a 200-foot right of way. The transmission line would interconnect with Vulcan's planned line that would run from Fernley to Bishop, Calif.

See http://www.blm.gov/wo/st/en/info/newsroom/2009/january/NR_01_16A_2009.html.

Inaugural Address Promises Action on Climate Changes

From EESI Climate Change News, Obama Promises Action on Climate Change in Inaugural Address

On January 20, President Barack Obama delivered his inaugural address and directly addressed climate change by stating that the United States will "roll back the specter of a warming planet." Obama went on to say, "We will harness the sun and the winds and the soil to fuel our cars and run our factories. And we will transform our schools and colleges and universities to meet the demands of a new age. All this we can do. And all this we will do." Obama's first action to meet this promise could come from his $825 billion economic stimulus package. Michael Levi of the Council on Foreign Relations said, "There is no question in my mind that there will be measures from the stimulus bill aimed at, among other things, cutting emissions."

For additional information see:
http://www.google.com/hostednews/afp/article/ALeqM5gYEWx1kYRmbe5Bv7mAMC8txSQMzw and
http://www.businessgreen.com/business-green/news/2234692/obama-demands-action-tackle.

Company News

Ormat: Contract Signed for Costa Rica Geothermal Plant

Press Release—January 21, Ormat Technologies Secures a $65 Million Contract for a New Geothermal Power Plant in Costa Rica

Ormat Technologies, Inc. (NYSE: ORA) today announced that it has signed a contract with Banco Centroamericano de Integracion Economica ("BCIE") for the supply, supervision of installation, start-up and testing of Las Pailas Geothermal Plant, a new geothermal power plant that is to be constructed in Las Pailas Field, Costa Rica.

The plant will be utilized by Instituto Costarricense de Electricidad ("ICE"), the Costa Rican national electricity and telecommunications company. The contract is valued at approximately $65 million and supply of the power plant is expected to be completed within 18 months from the contract start date.

BCIE, a major regional development bank founded in 1960, has contributed to the transformation of Central America into a dynamic region.

This is the second order for an Ormat geothermal power plant in Costa Rica for operation by ICE. ICE has been operating an Ormat 18 MW binary geothermal power plant in Miravalles V since 2004. Ormat has been actively designing, supplying, upgrading and operating geothermal power solutions in Central America since 1999.

Dita Bronicki, CEO of Ormat Technologies, said, "We are very pleased to receive this repeat contract for a geothermal project in Costa Rica and to be able to contribute to the Country's effort to move closer to

independence from fossil energy sources. The award of these contracts demonstrates the trust that BCIE and ICE have in our ability to contribute experience and knowledge to the development of this new geothermal field, and we look forward to delivering a high performing power plant on schedule and once again work with ICE's geothermal team."

Ms. Bronicki concluded, "We view this milestone as a demonstration of the effectiveness and reliability of Ormat's solutions and it further reinforces the applicability of our renewable energy solutions to the world electricity markets."

The Pailas plant will mark the fifth geothermal power plant with total capacity of over 150 MW erected and upgraded in Central America by Ormat. The new plant will use water-cooled condensers and will utilize the hi-performance, hi-efficiency organic turbine developed by Ormat for geothermal and recovered-energy applications.

See http://www.ormat.com/relation.php?did=84.

Renewable and Climate Change News

Letter to Obama from 116 Groups Proposes Steps on Climate Change

Press Release— January 21, 116 Businesses, Organizations and Activists Offer President Obama Recommendations for First Steps on Climate Change

In a letter delivered to President Barack H. Obama on his first full day in office, 97 businesses and organizations - joined by 19 individual activists – outlined recommendations for administrative actions that the new White House can take immediately to address climate change.

Stressing that "these recommendations are not intended to be comprehensive and there is much more that can - and must - be done," the groups proposed the following first steps:

- Direct the U.S. Environmental Protection Agency to initiate a rulemaking under the Clean Air Act declaring that carbon dioxide emissions are endangering public health.
- Reverse the Bush Administration's denial of a waiver for California of the Clean Cars Standard under the Clean Air Act and allow it to regulate carbon dioxide emissions from automobiles.
- Direct the National Highway Traffic Safety Administration to raise fuel economy standards for cars, light trucks and SUVs to at least 45 miles per gallon over the next decade and a half.
- Direct that greenhouse gas emissions be considered whenever the federal government examines the environmental impact of its actions under the existing National Environmental Policy Act.
- Create a national carbon registry, requiring mandatory reporting of greenhouse gases.
- Begin to make the federal government a carbon-neutral enterprise.

See http://social.tidaltoday.com/content/press-release-116-business-organizations-and-activists-offer-president-obama-recommendations.

Renewables Lead Nation in New Electrical Generating Capacity, EIA Says

Press Release— January 23, For the First Time, Renewable Energy Accounts for Largest Share of Annual Increase in U.S. Electrical Generating Capacity

Washington DC -- For the first time ever, non-hydroelectric renewable energy, led by wind power, was the leading source of new electric generating capacity in the United States, according to a newly-released report "Electric Power Annual 2007" from the U.S. Energy Information Administration.

The study found that in 2007, electric power generation increased 2.3%, from 4,065 million megawatt-hours (MWh) in 2006 to 4,157 MWh in 2007.

Total net summer capacity increased 8,673 MW.

Wind capacity accounted for 5,186 MW of this new capacity.

Thus, for the first time ever, renewable energy sources, other than conventional hydroelectric capacity, accounted for the largest portion of capacity additions.

Net generation produced by renewable energy sources, excluding hydroelectric generation, grew by 9.0% as compared to 10.5% growth in 2006. Renewable energy accounted for 2.5% or 105 million MWh of total net generation in 2007. This marks the fourth consecutive year in which renewables' share of total net generation has increased.

In 2007, wood and wood derived fuels accounted for 39 million MWh or 0.9% of total net generation. These fuels continued to be the largest sources of renewable generation, accounting for 37.1% of total net renewable generation, excluding conventional hydroelectric generation.

Wood and wood derived fuels have maintained fairly stable output levels averaging 38 million MWh per year.

Other biomass supplied 17 million MWh of net generation. It has declined from a 23 million MWh peak in 2000 to 17 million MWh in 2007.

Wind generation was the second largest renewable energy source, contributing 34 million MWh or 0.8% of total net generation in 2007. It is rapidly gaining a larger share of total renewable generation. In 2007, wind accounted for 32.7% of total net generation from non-hydroelectric renewable sources, as compared to 4.3% in 1997.

The annual growth in solar thermal and photovoltaic generation has been sufficient for this renewable source to account, on average, for 0.5% of all non-hydroelectric renewable energy.

Geothermal power plants contributed 15 million MWh of net generation and accounted for approximately 0.4% of total net generation in 2007. Geothermal has maintained fairly stable output levels averaging 15 MWh per year.

Conventional hydroelectric power continues to decline as a share of total net generation. It declined 14.4% from 289 million MWh in 2006 to 248 million MWh in 2007. In 2007, conventional hydroelectric generating capacity accounted for 6.0% of total net generation, as compared to 10.2% in 1997.

The decline in conventional hydroelectric generation is consistent with the drought conditions, which according to the National Climatic Data Center (NCDC) prevailed over the West and Southeast for much of the year. According to NCDC, evaporation caused by above normal summer temperatures exacerbated drought conditions in these regions. Moreover, precipitation was below average in the Southeast and the mountain snowpack in the Rocky Mountain and Western States was significantly below normal levels.

The report "Electric Power Annual 2007" was issued by the U.S. Energy Information Administration on January 21, 2009 and be found on-line at: http://www.eia.doe.gov/cneaf/electricity/epa/epa_sum.html.

State News

Alaska: Energy Authority Sets Goal for 50% Renewables by 2025

The Alaska Energy Authority published a report, titled *Alaska Energy—A First Step Towards Energy Independence*, which sets a goal for 50% of the state's electricity to come from renewable sources by 2025, according to sustainablebusiness.com. The report identified and prioritizes option for communities in Alaska to develop their own renewable resources. Some available resources in the state are hydroelectric, geothermal, wind, ocean and solar power.

See http://www.sustainablebusiness.com/index.cfm/go/news.display/id/17527; the report is available at http://www.akenergyauthority.org/alaska_energy.html.

California: Environmental Group Files Lawsuit Against Sunrise Power Line

The Center for Biological Diversity has filed a lawsuit with the California Supreme Court against Sempra Energy's planned high-voltage transmission line in Southern California, according to easybourse.com. The accusation is that state regulators are not following environmental protection laws to design the project in a way that will produce the fewest greenhouse gas emissions and avoid undeveloped areas.

The plan was approved by the California Public Utilities Commission and is set to be built as soon as possible, the article said.

See http://www.easybourse.com/bourse-actualite/marches/environmental-group-sues-to-block-sempra-s-sunrise-power-602007.

California: Pickens Interviewed on Renewable Opportunities

Geothermal energy was one of the resources discussed in an interview with T. Boone Pickens on mydesert.com. The interview centered on Pickens's efforts with SunLine's natural gas bus line in Coachella Valley, California. The oil tycoon discussed other relevant efforts in renewable energy in the area. A small excerpt from the interview:

Question: We live in one of the sunniest, windiest places in North America. Just to the south of here, near the Salton Sea, are geothermal resources that are only at the beginning of being tapped. Is the Coachella Valley well-set to take advantage of a national transformation to cleaner, domestic energy?

Pickens: No question you are uniquely positioned. The resources you have here are unusual. You've got a hot sun, but that again can be turned to an advantage for you. You've got to have leadership, to start with. You've got the resources; now get somebody to manage them. That person will cause it to happen.

Question: The Coachella Valley needs to diversify its economy beyond tourism and stalled building construction. How can we become leaders here not only in usage of wind and solar and geothermal, but perhaps lead the way in research and development, and capture the dollars that governments might grant toward those areas?

Pickens: You've got the schools here. Again, I think it all goes back to leadership. The leadership has to understand the resources. Once you understand the resources, then you start to look for financial resources to help you develop what you have. Someone has to be a visionary.

Question: Will the budget problems in both California and Washington affect getting grant money to move on these green energy initiatives?

Pickens: California's budget, that's another thing. But if you're talking about the federal budget, it looks like they are going to spend the money. They are going to do whatever it takes. And I think there will be resources available to you for wind, solar and geothermal.

See http://www.mydesert.com/article/20090125/NEWS01/901240377/1026/news12.

International News

Ethiopia: Trial Site Producing Geothermal Energy

A trial site in Tendaho, Ethiopia is producing 7.3 MW of geothermal energy, according to nazret.com. Other sites in the country have also been identified, with a potential 1,000 MW combined production potential, Yiheyes Amdeberhan from the Geological Survey department of the Ministry of Mines and Energy told press.

See http://nazret.com/blog/index.php?title=new_geothermal_energy_sites_discovered_i&more=1&c=1&tb=1&pb=1.

Indonesia: PLN Seeks Loans for Java-Bali Projects

The Indonesian state electricity firm PT PLN will build two power plants in the Java-Bali system, according to thejakartapost.com. Another 43 plants will be built by private contractors.

"PLN has secured loans amounting to US$1.148 billion from the World Bank to finance a project in Cisokan, West Java, and $200 million from JBIC (Japan Bank for International Cooperation) to fund a project in Asahan," Energy and Mineral Resources Purnomo Yusgiantoro told press.

A total $17.3 billion in investment is needed and $13.5 billion is expected to come from private contractors.

Indonesia has the world's largest geothermal reserves, with an estimated capacity of up to 27,000 MW of electricity - equal to around 40% of the world's geothermal reserves. The existing 18 operational plants produce a combined 1,050 MW.

See http://old.thejakartapost.com/detailbusiness.asp?fileid=20090122.M04&irec=3.

Indonesia: Mud Geysers Erupt at Geothermal Drilling Project

Hot mud geysers at the site of a geothermal drilling project at Mataloko village in Ngada regency have flooded nearby plantations and destroyed cropland, according to *The Jakarta Post*. Head of the communications agency for East Nusa Tenggara province Eduard Gana told press his office was checking the extent of the damage on the local area along with help from Ngada regency authorities.

See http://www.thejakartapost.com/news/2009/01/23/mataloko-mudflow-eruptions-steady-and-rising.html.

Hungary: CEGE Plans Investments in Geothermal Plants

Central European Geothermal Energy Ltd. (CEGE) plans investment projects in several geothermal power plants, according to portfolio.hu. The investments are worth over HUF 10 billion and will be carried out over the next four to five years in Hungary. CEGE Chief Executive Attila Kujbus told press geological tests would take about three years before the building of the power plants could start.

See http://www.portfolio.hu/en/cikkek.tdp?cCheck=1&k=2&i=16736.

Notices and Employment Opportunities

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.

Funding Opportunity, California Energy Commission (January 30, 2009)

The California Energy Commission's Public Interest Energy Research Renewable (PIER) program announced a competitive grant solicitation for funds to further accelerate the state's renewable energy portfolio. The goal of this grant program is integration within a single community of multiple renewable energy technologies, including wind, solar, biomass, biogas, geothermal, energy storage, combined heat and power, energy efficiency, etc. Projects in Exploratory, Pilot, or Implementation stage are all eligible for funding. A pre-proposal workshop will be held at the California Energy Commission on December 22nd at 10 am. Prime Applicants should be based in California and must be empowered to act on behalf of a specific community in the matters of RESCO planning and implementation.

To see the full solicitation, visit http://www.energy.ca.gov/contracts/PON-08-004/PON-08-004_Application_Manual.pdf. The deadline to submit proposals is January 30, 2009, 4:00 pm PST.

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 is under one 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

Great Basin Transmission Opens Bids for Transmission Rights in Idaho, Nevada

Press Release—November 6, Great Basin Transmission Announces Open Season for the Southwest Intertie Project

Great Basin Transmission, LLC announced on November 6 an Open Season to receive proposals for the purchase of long-term point-to-point transmission rights on the Southwest Intertie Project (SWIP). Successful bidders in the Open Season will secure firm transmission rights to support financing of new generation resources and to allow existing generation resources to transport their output to attractive liquid markets in the West.

The SWIP is a proposed above-ground 500 kV AC transmission line stretching over 500 miles between southern Idaho and southern Nevada. As much as 1,850 MW of north-to-south transmission capacity and 1,850 MW of south-to-north transmission capacity will be available for purchase during the Open Season.

The SWIP will provide a new energy pathway connecting the existing high voltage transmission infrastructure near Twin Falls, Idaho and the existing systems in northern Nevada and the Las Vegas area. It will provide direct interconnection and/or viable access to multiple transmission providers in the West which may include Arizona Public Service, Idaho Power, Los Angeles Dept. of Water and Power, Nevada Power (NV Energy), PacifiCorp, Salt River Project, Sierra Pacific Power (NV Energy), Southern California Edison, and Western Area Power Administration.

The SWIP is being developed in phases and is well advanced such that the first phase connecting southern Nevada with northern Nevada is expected to begin construction in 2009 and achieve commercial operation as early as 2010.

GBT is developing the SWIP in response to the growing needs of the Desert Southwest and the Northwest. The SWIP will also provide an important pathway for renewable energy resources to reach major load centers.

GBT will conduct the Open Season in a transparent and nondiscriminatory manner. Entities wishing to secure long-term point-to-point transmission rights on the SWIP may submit proposals for consideration. To ensure a fair and open process, generation affiliates of GBT will not submit proposals in the Open Season.

For more details regarding the SWIP and the Open Season please visit the dedicated website at: http://www.SWIPOS.com. Any party interested in participating in the Open Season is encouraged to register at the website to ensure they receive all communications related to the Open Season. Questions may be submitted via email at SWIP@SWIPOS.com.

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 Geothermal Workforce Education Development and Retention, DOE (January 30)

Information from RFI- GO39004.pdf may be used to develop a funding vehicle or action plan to address challenges in geothermal education, workforce development, and retention.

The U.S. Department of Energy's Geothermal Technology Program (GTP) is working with industry and educators to address important challenges in the geothermal program under authorities such as 42 U.S.C. Section 7381(b) of the Department of Energy Education Enhancement Act, and the Energy Policy Act of 2005, Section 931(a)(2)(C). Glitnir Geothermal Research's 2008 United States Geothermal Energy Market Report asserts that human capital will be a bottleneck to advancing geothermal energy technology and could delay development of Enhanced Geothermal Systems (EGS) technology.

The limited capability for meeting this need is further illustrated by the current lack of formal university degree programs. The Federal government and industry, together, must address the growing inadequacy of workforce competencies due to the small size of the existing geothermal industry and the competition for human resources, as the geothermal industry competes with the oil and gas industry for qualified personnel.

For more information and to access the full document, marked: RFI- GO39004.pdf, visit https://e-center.doe.gov/doebiz.nsf/d76fbc2948188228852256d98006c63b6/207e92a51852a6c0852575060079e008?OpenDocument.

RFP for Renewables Research, California Energy Commission (January 30)

The California Energy Commission requests proposals for Renewable Based Energy Secure Communities RD&D. Objectives of this RFP include but are not limited to: Making improvements at existing renewable energy facilities to provide peak capacity and increased reliability; expanding renewable distributed generation technologies to help provide electric generation in high-demand, high-congestion areas; developing renewable energy technologies, products, and services that provide more affordable electricity and reliability; and conducting longer term research on advanced renewable technologies that will help meet tomorrow's electricity needs. Responses due 1/30/09.

For more info, go to: http://www.energy.ca.gov/contracts/pier.html. Refer to PON# 08-004.

RFP for Geothermal Resource Evaluation, City of Glenwood Springs, CO (January 30)

The City of Glenwood Springs is evaluating options to derive beneficial uses of the geothermal resources located under and near the City for the benefit of its citizens. This first phase of work is focused on examining the technical aspects of the options and determining the estimated relative costs of those options. The City understands there are legal considerations with developing these options and would like the selected party to identify the legal issues associated with the options but not address them at this time. If the recommended options to be pursued are predicated on any assumptions concerning ownership or water use, they must be enumerated in the final report. Funding for this first phase of analysis has been budgeted to a maximum of $75,000 by the City Council. Additional funding may be available from other sources such as grants. Proposers may wish to assist the City in obtaining outside funds (e.g. grants, rebates, incentives, subsidies, etc.) that may increase the budget and scope for this phase of study.

Questions which arise during the response preparation period regarding issues around this Solicitation, purchasing and/or award should be directed, in writing, via fax, email or U.S. mail, to Ricky Smith, Purchasing Agent, Purchasing Department, City of Glenwood Springs, 101 West 8th Street, Glenwood Springs, Colorado 81601, rdsmith@ci.glenwood-springs.co.us, fax number 970-945-4388. Questions regarding the Scope of Work should be directed to: Mr. Robin Millyard, Public Works Director, City of Glenwood Springs, 101 West 8th Street, Glenwood Springs, CO 81601, Phone-970-384-6409, Fax-970-945-8582

RFP for Development of Poncha Hot Springs, City of Salida, CO (January 30)

RFP# 2008-001, Proposal for: The City of Salida ("the City") owns approximately 145 acres south of Poncha Springs, CO commonly known as "Poncha Hot Springs" (the Property). The City is seeking proposals for the development of the Property, including the geothermal hot springs present at this site for the benefit of the communities of Salida and Poncha Springs, both within Chaffee County under a lease arrangement. RFP# Closing Date & Time: January 30, 2009 at 4:00 PM.

Instruction to Proposers: Proposals are solicited from experienced developers whose ability to finance the project is a requirement. Please submit a resume of qualifications and relevant experience with proposals.

Proposers will be judged by the quality and completeness of the package of offerings. All associated aspects which are standard considerations in analysis of a successful land development shall be addressed, including but not limited to design and development of structures, infrastructure, market study, pro forma financials, etc. In addition, the City wishes the development to match its priorities with regard to sustainable building, increasing outdoor recreational opportunities, attracting visitors to the area, and complimenting the existing Salida Hot Springs Aquatic Center.

Purpose: To develop the Poncha Hot Springs property utilizing the inherent assets of the property to their fullest capacities. Some of the issues which should be addressed include, but are not limited to:

- Use of the geothermal springs sourced on the Property
- Ingress / Egress of the Property
- Project infrastructure including utilities, wastewater treatment, roads, parking, communications, pedestrian pathways, signage
- Geotechnical / Environmental Reports
- Site Considerations and Proposed Highest and Best Use Concept
- Project Feasibility via Market Study

Contact Information: For information about this RFP, please contact Mike Copp, Interim City Administrator at administrator@cityofsalida.com.
Delivery Information: to Mike Copp, City Hall, 124 E Street, P.O. Box 417, Salida, CO 81201 by 4:00 PM, January 30, 2009.

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)

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, Feburary 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 develop 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