



GEOTHERMAL ENERGY ASSOCIATION

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National News

Obama Releases FY 2010 Budget with Renewable and Energy Measures

Press Release—May 18, [Obama Administration Releases FY 2010 Budget: A Brief Look at Renewable Energy and Energy Efficiency Measures](#)

WASHINGTON - Carol Werner, Executive Director of the Environmental and Energy Study Institute (EESI), issued the following statement on the release of the President's FY 10 budget:

So far this year we have seen enactment of a major investment and economic recovery appropriations bill, enactment of appropriations to cover the last half of FY 2009 and the submission in early May of the President's budget request for FY 2010. Throughout this time, President Obama has repeatedly invoked his vision: that investing in the transition to a clean energy economy is critical in helping pull the country out of its severe economic conundrum. There are elements in the FY 2010 budget that clearly speak to that vision, including, for example, new initiatives at the Department of Energy to stimulate science, energy, engineering education and workforce development (RENERGY-SE) and to promote innovation in energy

investments in housing and its financing as well as in enhanced community planning and design (smart growth) that can provide multiple benefits to our local communities through new leadership at HUD.

"Clearly the stimulus and economic recovery bill will provide the greatest boost to changing the outlook for clean energy investments, rather than the proposed FY 2010 budget," said Carol Werner, EESI's Executive Director. "While the proposed budget heads the country in the right direction overall in its increased support for investments in renewable energy and energy efficiency technologies, and should be commended for that, at the same time we were disappointed that EPA's Energy Star program received essentially flat funding. DOE's water power program not only had received no additional investment in the stimulus package but was cut 25% (\$10 million) in the proposed FY2010 budget and yet these technologies offer immense near-term benefits. As the country grapples with how to make very significant progress in reducing greenhouse gas emissions in the near term, the willingness of the administration and Congress to invest in accelerating the transition to a clean energy economy will be tested by the FY2011 budget . . . because it will not have the advantage of this year's major stimulus package to bolster it." Below are clean energy budget highlights from DOE, USDA, EPA, DOT, HUD and DOL:

Department Of Energy (DOE):

The President's FY 10 budget request for DOE's Energy Efficiency and Renewable Energy (EE/RE) programs is \$2.3 billion (approximately 8% of the DOE budget) -- an increase of \$140 million (6.4% from FY 09 appropriations). The FY 10 budget is supplemented this year with funds appropriated through the American Recovery and Reinvestment Act of 2009 (P.L. 111-5), which provided an additional \$38.7 billion for DOE, \$16.8 billion of which are specifically budgeted for EE/RE programs. Click here for EESI's full review of the DOE FY 10 budget request.

Department Of Agriculture (USDA):

The President's FY 10 budget request includes \$513 million dollars for USDA Farm Bill Energy Programs (\$391 million in mandatory funds and \$122 million in additional discretionary funds). This represents an increase of \$242 million (89.3% above FY 09 appropriations). Click here for EESI's full review of the USDA FY 10 budget request.

Department Of Transportation (DOT):

The President's FY 10 budget request includes \$73.3 billion for the Department of Transportation (DOT) to fund construction, maintenance, and operation activities for federally-funded highways, railways, public transit systems, and air transportation. This represents an increase of approximately \$1.8 billion (2.5% above FY 09 appropriations). Click here for EESI's full review of the DOT FY 10 budget request.

Environmental Protection Agency (EPA):

The President's FY 10 budget request for the Environmental Protection Agency (EPA) represents the highest level of funding for the agency in its 39-year history: \$10.5 billion in discretionary budget authority, an increase of \$7.6 billion from FY 09 appropriations. Click here for EESI's full review of the EPA FY 10 budget request.

Department Of Housing And Urban Development (HUD):

The President's FY 10 budget request for the Department of Housing and Urban Development (HUD) reflects a new focus on community development and redevelopment as a key part of the solution to climate change and energy independence. The budget request includes \$40 million in community challenge grants to encourage local leaders to make changes to zoning, land use rules, and building codes, and \$2.4 million for a new Office of Sustainable Housing and Communities. Click here for EESI's full review of the HUD FY 10 budget request.

Department Of Labor (DOL):

The President's FY 10 budget request for Department of Labor's (DOL) Employment and Training Administration (ETA) includes programs to help the country's youth move into the growing fields of renewable energy infrastructure, energy efficiency, and home retrofitting. Youth Activities (Title I of Workforce Investment Act of 1998), which received \$1.2 billion under ARRA, would receive level funding from FY 09 appropriations. The Career Pathways Innovation Fund is slated for \$135 million, a \$10 million

increase over the amount awarded in FY 09 appropriations. Click here for EESI's full review of the DOL FY 10 budget request.

Waxman and Markey Will Complete Clean Energy and Security Act Mark-up Before Memorial Day

Press Release—May 15, [Chairmen Waxman and Markey Introduce “The American Clean Energy and Security Act”](#)

Chairman Henry A. Waxman and Subcommittee Chairman Edward J. Markey introduced "H.R. 2454, The American Clean Energy and Security Act." The Energy and Commerce Committee will begin markup of the bill on Monday, May 18, 2009, at 1:00 p.m., and will complete consideration before the Memorial Day recess.

A summary of the May 18 markup is available:

http://energycommerce.house.gov/index.php?option=com_content&view=article&id=1625&catid=141&Itemid=85

A summary of the May 19 markup is available:

http://energycommerce.house.gov/index.php?option=com_content&view=article&id=1627&catid=141&Itemid=85

"The legislation will create millions of new clean energy jobs, save consumers hundreds of billions of dollars in energy costs, promote America's energy independence and security, and cut global warming pollution," said Chairman Waxman. "In support of these goals, this legislation ensures that consumers and industries in all regions of the country are protected. I look forward to working with all members of the Committee to approve this legislation to make America the world leader in new clean energy and energy efficiency technologies."

"This bill marks the dawn of the clean energy age," said Subcommittee Chairman Markey. "This is a once-in-a-generation opportunity to revive our economy and create millions of good-paying clean energy jobs. After months of hearings and discussions with my colleagues, I am pleased that we have produced a bill that has widespread support from all regions of the country."

For this and relevant documents see

http://energycommerce.house.gov/index.php?option=com_content&view=article&id=1622:chairmen-waxman-and-markey-introduce-the-american-clean-energy-and-security-act&catid=155:statements&Itemid=55.

Amendment to Favor Federal Land for Transmission Lines Fails

An amendment from Sen. John Barrasso (R-Wyo.) to draft transmission legislation was rejected by a vote of 11-12 from the Senate Energy and Natural Resources Committee, according to eeneews.net. The provision would have given the Federal Energy Regulatory Commission direction to favor federal lands over private lands for high-priority lines.

The draft bill from Chairman Jeff Bingaman (D-N.M.) would create "high priority" transmission lines and would give FERC authority to implement it. But Bingaman says the amendment may cause further delays and costs. The draft transmission bill is to be a part of comprehensive energy bill.

See <http://www.eeneews.net/eed/>.

Senate Energy Committee Unveils New Majority RES Proposal

While the House Energy and Commerce Committee was taking action on its climate and energy legislation, the Senate Energy Committee also continued work on its version of an energy bill. The Committee has made the full text of their new proposal and a summary available on its web site: <http://energy.senate.gov/public/> (See tab for "Energy Bill 2009"). The following is their summary of the new proposal.

Senate Majority Renewable Electricity Standard Summary

The Standard:

Sellers of electricity must obtain the following percentages of their electricity from renewable energy resources or from energy efficiency improvements:

Year	%
2011-2013	3
2014-2016	6
2017-2018	9
2019-2020	12
2021-2039	15

Utilities selling less than 4,000,000 MWh/year are exempt.

The Calculation:

In calculating the renewable electricity needed to meet the standard we apply the above percentages to the total electricity sold by the seller at retail in any given year, without including the electricity obtained from existing hydropower generators and municipal solid waste generators in that year.

Qualifying Renewables:

Wind, solar, ocean, geothermal, biomass, landfill gas, incremental hydropower, hydrokinetic, new hydropower at existing dams with no generation

Energy Efficiency:

Any state may opt for its utilities to meet up to 26.67% of its requirement by improving energy efficiency in their systems. The items that qualify as energy efficiency savings include: customer facility savings, electricity savings, recycled energy, combined heat and power.

Ways of Meeting the Standard:

- Produce the specified amount of electricity or efficiency savings itself
- Purchase renewable energy or efficiency savings
- Purchase renewable energy credits or energy efficiency credits from entities who have excess
- Make alternative compliance payments to the Secretary at a rate of 2.1 cents per kilowatt hour
- Payments are made into a fund to be returned to states whose utilities have paid into the fund, for development of renewable resources, or to offset increases in customers' bills

Flexibility Provisions:

- Two or three year ramp up rate to give more time for planning
- Three year lifespan of credits to allow over compliance to be banked for future use
- Waiver for reasons outside the reasonable control of the utility
- Five year waiver of penalty in the event of an act of God, such as a hurricane
- Waiver of requirement for one year for 4% increase in customer rates attributable to federal RES compliance costs in any year as alternative to ACP
- More flexible biomass definition

Geothermal Energy Featured on the Discovery Channel

The Discovery channel showcased geothermal energy on *Shades of Green*, an educational series, according to the Western GeoPower Web site. Power Engineers, the plant designers for the WGP Unit 1 Western GeoPower project in The Geysers in California, discuss the project and show scenes from the project site.

See <http://www.geopower.ca/interviews.htm>.

Company News

Google: Reicher Plugs Enhanced Geothermal at Clean Energy Prize Event

Dan Reicher, director of climate and energy initiatives at Google.org, spoke last week to university students at the announcement of the winners of the Clean Energy Prize, according to news.cnet.com. The event was organized by the Massachusetts Institute of Technology. Reicher singled out enhanced geothermal as the area with greatest potential that has gotten the least recognition: "We have three times the potential of wind...and now we've got the oil and gas companies interested," he said. Reicher said the big advantage of enhanced geothermal is that the source is available nearly everywhere in the U.S. but that the commercialization risk is high. "I don't want to oversell this. We have a long way to go," he said.

In addition to plugging clean energy, Reicher said Google will "very soon" launch PowerMeter, its Web-based home-energy-monitoring software in private beta.

See http://news.cnet.com/8301-11128_3-10240779-54.html.

Nevada Geothermal Power: Walenciak Promoted to Development and Ops VP

Press Release—May 13, [Nevada Geothermal Power Inc. Announces the Promotion of Max Walenciak to Vice President of Development and Operations for NGP's Wholly-Owned U.S. Subsidiary Nevada Geothermal Power Company](#)

Nevada Geothermal Power Inc. (TSX VENTURE: NGP) today announced the promotion of Mr. Max Walenciak, P.E. as Vice President of Development and Operations for Nevada Geothermal Power Company (NGPC) based in Reno, Nevada, which is the wholly-owned U.S. operating subsidiary of Nevada Geothermal Power Inc.

"The appointment is part of a wider strategy to strengthen NGP's organization and management team in order to meet corporate objectives throughout all facets of development and production operations in the United States," stated Brian Fairbank, CEO & President of Nevada Geothermal Power Inc.

Mr. Walenciak has been the Manager of Geothermal Project Development for NGP since May 2007 and has been principally responsible for the successful development and construction of the 50-MW 'Faulkner I' geothermal power plant.

Mr. Walenciak has 30+ years of extensive and diverse project management experience in developing, constructing and operating power plants. His technical and management experience includes geothermal power plants, gas-fired combustion turbine projects, solar power plants, cogeneration plants and nuclear plants.

Mr. Walenciak's geothermal experience includes project development of green field sites, geothermal well testing, power plant and well field design, construction and operation management and project financing support. He has worked on geothermal power projects sized from 2MW to 110MW incorporating direct steam, flash steam and binary cycle type technology.

Mr. Walenciak received a B.S. in Mechanical Engineering from San Jose State University and is a Registered Professional Engineer in California and a Member of the American Society of Mechanical Engineers and the Geothermal Resource Council.

Raser Technologies: Plant Named Geothermal Power Plant of the Year

Press Release—May 14, Raser Technologies' Plant Named Geothermal Power Plant of the Year (Company Recognized as Alternative Energy - Geothermal Plant of the Year for Key Technologies and Developments for Power Generation Plants)

Provo, Utah -- Raser Technologies, Inc. (NYSE:RZ), a leading energy technology company, announced today that its first geothermal power plant was recognized as the Alternative Energy - Geothermal "Power Plant of the Year" at the annual Electric Power Conference, which covers the most important strategic and tactical issues in the power generation industry for coal, gas, nuclear and renewables. Raser received the award in the Alternative Energy - Geothermal category, sponsored by Power Magazine, at the Electric Power Conference's annual Power Plant Awards Banquet in Chicago, on Monday, May 11, 2009.

"We are honored to be recognized by the industry and our peers for our efforts and success in building an exemplary power plant. We are continuing to develop our geothermal resources and thus expand the nation's potential energy supply," said Brent M. Cook, CEO of Raser Technologies. "This industry recognition validates our approach to delivering zero-emissions electricity."

Electric Power, the world's most comprehensive conference covering power generation, is sponsored by Power Magazine and is being held May 12-14, 2009 at the Donald E. Stephens Convention Center, Chicago. More than 500 leading power industry suppliers are attending the 2009 conference. Power Magazine's Plant of the Year award, as well as the PRB Plant of the Year recipient, are all recognized during this conference.

See <http://www.rasertech.com/news>.

Raser Technologies: First Quarter Highlights and Results Announced

Press Release Highlights—May 11, Raser Technologies, Inc. Announces First Quarter Financial Results

Provo, Utah – Raser Technologies, Inc., a leading energy technology Company, today announced financial results for the first quarter ended March 31, 2009.

First Quarter and Subsequent Highlights:

- The Thermo No. 1 geothermal power plant (the Hatch Plant) in Beaver County, UT, began delivering clean, renewable electricity to the City of Anaheim, California in April 2009.
- Utah's Governor Jon Huntsman ceremonially signed two important renewable energy bills at Raser's Hatch geothermal power plant.
- The Company named Benjamin J. Barker as its Vice President of Resource Management.
- Raser unveiled the Hummer H3 Plug-in Hybrid Electric Vehicle (PHEV).
- Raser signed a line of credit agreement, pursuant to which Raser may borrow up to \$15 million.
- Raser restructured its purchase agreements with subsidiaries of United Technologies Corp., obtaining the return of more than \$7 million that had previously been deposited in connection with orders of PureCycle® power systems, subject to certain conditions.
- Non-controlling interest includes the portion of the net loss allocated to a third party that owns a non-controlling interest in Raser's Thermo Subsidiary. For the first quarter of 2009, the total was \$1.0 million.
- The Company entered into a long-term lease agreement with private land owners covering 37,000 acres of geothermal resources in Southeastern Oregon.

- Raser's Hatch plant was awarded POWER Magazine's "Plant of the Year" at the Donald E. Stephens Convention Center in Rosemont, Illinois at an awards banquet on May 11, 2009.
- Raser was named as one of Fast Company magazine's 50 "most innovative companies" for 2009 in its annual selection of the Fast Company 50.

Brent M. Cook, Raser's Chief Executive Officer, commented, "Despite the extraordinary challenges of the last quarter and prior year, the Raser Technologies team began to see the benefits of our 'Well to Wheels' strategy during the first quarter of 2009. We are now delivering clean, renewable power from our Hatch geothermal power plant to the City of Anaheim as part of our 20-year power purchase agreement and we began recognizing geothermal-related revenue early in the second quarter. We developed, constructed, and put this plant into service in record time and built a tremendous base of working knowledge which will benefit our team as we exploit additional geothermal resources and bring more plants online in the future. In addition, we publicly unveiled our revolutionary, electric Hummer H3 garnering widespread media acclaim."

Financial Results:

During the three months ended March 31, 2009, Raser recognized no revenue and no cost of sales compared to revenue and cost of sales totaling approximately \$0.1 million during the same period in 2008. During the first quarter of 2008, the Company completed the ARINC subcontract, which began in October 2006.

Raser management was successful in efforts to reduce operating expenses and to shift certain expenses from cash to equity during the first quarter, positioning the Company to accelerate profitability as its initiatives begin to produce revenue. Total operating expenses decreased 6.0% to \$5.3 million for the first quarter of 2009 compared to \$5.6 million for the first quarter last year. Included in the operating expenses were:

- General and administrative expenses decreased to approximately \$2.5 million during the first quarter of 2009 from approximately \$2.8 million for the first quarter of last year.
- Power project development expenses during the first quarter of 2009 totaled \$2.1 million as compared to \$1.8 million for the first quarter last year.
- Research and Development expense decreased from \$1.0 million in the three months ended March 31, 2008 to \$0.7 million for the three months ended March 31, 2009.
- Non-controlling interest includes the portion of the net loss allocated to a third party that owns a non-controlling interest in Raser's Thermo Subsidiary. For the first quarter of 2009, the total was \$1.0 million.
- In aggregate, non-cash, equity-based expenses and equity-based compensation totaled \$1.2 million during the first quarter of 2009 and \$0.8 million in the first quarter of 2008.

The Company's net loss applicable to common stockholders was \$6.7 million, or \$(0.10) per basic and diluted share (based on 64.4 million shares) compared to a net loss of \$5.4 million, or \$(0.10) per basic and diluted share (based on 56.0 million shares) in the year-ago quarter.

Mr. Cook continued, "Our initial geothermal revenue will appear during our second fiscal quarter. We are in active discussions with utilities working toward finalizing power purchase agreements for other projects, including potential arrangements we believe could provide pre-payment for power thus providing funds for future power plant construction. In addition, we believe the increased focus on green power in today's political climate could facilitate potential joint ventures and other opportunities, and we continue to explore these opportunities in order to accelerate our progress and create shareholder value."

Mr. Cook concluded, "We anticipate being at or near full capacity at our Thermo No. 1 plant early in the third quarter, generating as much as 14 MW on a gross basis. As we move forward during 2009, Raser is well-positioned to develop a substantial and expanding portfolio of geothermal resources to provide power to several of the western States. We continue to add to our vast resource holdings and believe we have the largest portfolio of undeveloped geothermal resources in the U.S. We expect to leverage the expertise we

have built through our experience and successes with the Thermo No. 1 project to help us to accelerate our construction and well field development efforts on subsequent projects.”

See <http://www.rasertech.com/news>.

Renewable and Climate Change News

FERC Study to Assess Tool for Measuring Reliability of Adding Bulk Energy

The Federal Energy Regulatory Commission has asked the DOE Lawrence Berkeley National Laboratory to assess a tool over the next six months that could be used to evaluate concerns on how much renewable energy could be added to the bulk power system without damaging reliability, according to energywashington.com. A frequency response metric may be suitable, the article said. The metric is based on a currently used measurement of frequency that is used to ensure that all generators within a system stay within 60 Hertz.

FERC’s reliability organization -- the North American Electric Reliability Corporation, recently conducted a major report on “Accommodating High Levels of Variable Generation.” FERC Chairman Jon Wellinghoff has also said a new “Office of Energy Policy and Innovation” will focus primarily on variables integration.

See <http://www.energywashington.com/>.

Western Governors’ Association Prepares to Release Renewable Energy Zone Report: States Assert Rights to Define Environmental Review

By John McCaull, Western States Representative, GEA

May 19, 2009. In late April, the Technical Committee of the “Western Renewable Energy Zone” Project met in Denver with a major decision to make: for a year the WREZ committees had worked to produce a report indicating the best renewable energy zones in the western U.S. At issue before the Committee was a set of wildlife and habitat “exclusion” maps prepared under the auspices of the WGA’s “Wildlife Corridors Initiative.” The results of the wildlife habitat mapping exercise were made public in March, and the overlay of these data layers into the WREZ maps threatened to dramatically reduce areas suggested as appropriate for renewable energy development.

The Western Governors' Association and U.S. Department of Energy launched the Western Renewable Energy Zones initiative in May 2008. The WREZ seeks to identify those areas in the West with vast renewable resources to expedite the development and delivery of renewable energy to where it is needed. Renewable energy resources are being analyzed within 11 states, two Canadian provinces, and areas in Mexico that are part of the Western Interconnection.

On June 29, 2008, the Western Governors adopted the “Wildlife Corridors Initiative Report.” In adopting the report, the Governors established the Western Governors Wildlife Council (WGWC) “for the purpose of coordinating and overseeing implementation of the report, so that we can identify key wildlife corridors and crucial wildlife habitats in the West, and conserve these lands—and the vast wildlife species that depend upon them—for future generations.” As illustrated in the WGWC Charter and their membership roster, this Council is made up of state fish and game agency representatives.

According to the work plan of the WGWC, the growing debate over where, when and how to site utility-scale renewable energy facilities without causing undue environmental harm was an appropriate venue to try out the analytical mapping tools envisioned for wildlife habitat protection. As the work plan states,

“The WGA Western Renewable Energy Zone project (WREZ) will be a pilot for applying the wildlife corridors recommendations. In particular, WGA, in coordination with the WGWC, should ensure that development of the renewable energy zones 1) includes identification of relevant wildlife corridors and crucial habitat..., and 2) considers appropriate policies and actions to avoid, minimize, or mitigate impacts in these sensitive areas.”

Unfortunately for the consensus-driven nature of the WREZ process, the actual unveiling of the habitat maps by the WGWC caused chaos at the state level. For instance, in Arizona most of their solar development potential (designated by January 2009 “qualified resource area” maps) was suddenly eliminated. Qualified Resource Areas were identified by WREZ “as areas with a high density of developable renewable energy resources after screening for known technical and environmental limitations for which data are available...” For California, huge swaths of desert were now indicated as “off limits” to renewable energy development, including known geothermal resources areas around the Salton Sea in Imperial County. For Utah, approved wind and geothermal development areas were suddenly brought in question under the assumption that the WGWC wildlife maps indicated where it would not be possible to “avoid, minimize or mitigate” project impacts to species and habitat.

Two questions quickly arose: what is the data supporting these new exclusion maps, and what was everyone’s understanding on how they would be used? The first thing to note is that WGA had gone through an exhaustive process to develop “avoid and exclude” areas for federal lands based on a series of legal and policy prohibitions that would make development either inappropriate or legally prohibited. This exclusion list was reviewed thoroughly by the Geothermal Energy Association (GEA) as a member of the Technical Committee and the various work groups, and it was considered as consistent with state-level exclusion methodologies such as California’s Renewable Energy Transmission Initiative (RETI) and Nevada’s Renewable Energy Transmission Access Advisory Committee. To the surprise of many WREZ participants, including the states, the new maps proposed for approval by the Technical Committee went far beyond what the law currently requires for avoiding certain areas based on habitat concerns.

The reaction to the wildlife maps from states participating in WREZ was swift and conclusive: it was not their understanding, nor was it appropriate, to layer in a new set of exclusions for wildlife protection that had not been properly vetted through the WGA process, and that directly conflicted with the methodology of established programs such as RETI and RETAAC. In addition the basic use of the data by WGWC – i.e. the data showed areas where it would be impossible to avoid or mitigate impacts – quickly reviewed numerous flaws in the extent and “granularity” of the data.

After considerable debate, the WGA Technical Committee decided not to move forward with including the new wildlife mapping data in their soon to be issued Phase 1 Report. Instead, each state asserted its right to clearly decide how to use data generated by its own fish and wildlife agencies for purposes of planning where, and where not, to encourage renewable energy development. In the Draft Phase 1 WREZ Report, the renewable energy zones will be depicted as “hubs or circles” on a map with GWh estimates using the agreed upon “avoid and exclude” filters adopted last year by the Technical Committee. The western states “REZ” map will also have state by state footnotes which give information for how each state has, or will, designate zones within their respective states.

The next hurdle will be what to do with the WGWC work. Clearly, each state representative to the WREZ Steering and Technical Committees must have a broader, balanced view of the uses of this data, which is also representative of state policy and practice. According to Karl Gawell of the GEA, “The WGWC data and maps need to be thoroughly reviewed for scope and applicability to the WREZ process. This review needs to occur with the Governor’s office of each state, and have the consensus support of the affected industries and the environmental community. It is clear that this issue will come up again in the subsequent phases of WREZ.”

State News

California: Supervisors Grant Permit to Coso for Water Use

The Inyo County Board of Supervisors agreed to grant the Coso Operating Company a permit to pump water from its Hay Ranch property for injection into its geothermal power plant at meeting last week, according to inyoregister.com. The meeting was for the supervisors to hear arguments regarding an appeal by the Little Lake Hunting Club against the county decision to grant Coso a Conditional Use Permit. The supervisors voted 4 to 1 to grant the 30-year permit.

See <http://www.inyoregister.com/content/view/120879/1/>.

Colorado: Gov. Ritter Announces Plan for Stimulus Bill Funds

Press Release—May 13, [Gov. Ritter Announces Plan for Recovery Act Investments in Colorado's New Energy Economy](#)

Gov. Bill Ritter and state energy officials today outlined a sweeping plan to create jobs and significantly advance the New Energy Economy under provisions of the American Recovery and Reinvestment Act.

The proposal, submitted for approval to the U.S. Department of Energy this week, lays out how the Governor's Energy Office will direct \$49 million from the Act to create jobs, develop clean energy sources, reduce energy costs for residents and cut emissions of greenhouse gases while injecting the state's economy with critical investments that will lead Colorado forward.

"This proposal will further extend the reach of Colorado's expanding New Energy Economy," Gov. Ritter said. "It will boost our clean energy industry and its workforce far beyond the short-term life of the Act and cement Colorado's growing role as a national leader in building a secure energy future. This plan advances our overall strategy of creating jobs, strengthening communities and supporting businesses and innovation."

Details of the proposal are available in a new report, "Governor's Energy Office Strategic Goals and Objectives for American Recovery and Reinvestment Act Funding of the State Energy Program" available the Governor's recovery website and the Governor's Energy Office site (links below).

The proposal will allocate State Energy Program recovery dollars into seven key areas, including \$19 million to reduce financial barriers to rapid deployment of renewable energy and energy efficiency projects. The funds will increase access to capital and credit and will leverage further investment dollars to assist projects stalled by the economic slowdown.

The state must receive approval from the U.S. Department of Energy for its plan before implementation. Pending approval, the Governor's Energy Office will be soliciting proposals in coming weeks for projects that could be funded by the Recovery Act.

The overarching strategy of the state's recovery plan for the New Energy Economy will focus on three broad areas:

- Increasing access to capital for clean energy development and efficiency projects;
- Dramatically enhancing access to information for residents and business owners so they can more simply ascertain their options for adopting renewable energy and conservation practices;
- Increasing access to services so more options and jobs tied to green energy initiatives are available across Colorado.

Other components of the state's plan include:

- Bolstering the market for renewable energy through expanded rebates and grants to homeowners and businesses as well as expanded renewable energy workforce training.
- Expanding energy efficiency programs for homeowners, including more training to support advanced energy codes, energy efficiency in new home construction as well as improving efficiency in existing homes through expansion of programs such as Insulate Colorado, which aids homeowners in upgrades that cut energy consumption.
- Expanding and improving energy efficiency in existing commercial buildings and increasing implementation of high performance design in new commercial buildings.
- Improving public outreach so home and business owners can easily identify options and financial incentives to improve energy efficiency and incorporate renewable energy.

"This plan will direct the resources of the American Recovery and Reinvestment Act in a way that sustains and expands the New Energy Economy, while maximizing job creation and retention," said Tom Plant, director of the Governor's Energy Office. "The ARRA resources give us the opportunity to accelerate Colorado's pace in leading the country to a clean and secure energy future."

The Governor's Energy Office will also guide \$80 million in recovery dollars designated by the federal government for weatherization improvements to income-qualified residents of the state. Partnering agencies in Colorado have already begun initial spending to prepare for the major increase in weatherization work that will create jobs across the state and cut energy costs for those who most need the savings.

See www.colorado.gov/recovery and www.colorado.gov/energy.

Colorado: Hybrid Geothermal System Possible at Ski Base

The Base Area Urban Renewal Area Advisory Committee is discussing a hybrid geothermal/natural gas-fired boiler system to boost a snowmelt system beneath Steamboat's new ski base, according to steamboatpilot.com. "It's all preliminary at this point," redevelopment coordinator Joe Kracum told press. "But one thing we'll look at is using a ground source heat pump as a base level (source of energy) and then using a boiler" to supply the remaining energy needs. The committee will discuss the feasibility of the system, which would involve higher capital costs but would offer lower operating costs and reduced carbon emissions.

See http://www.steamboatpilot.com/news/2009/may/14/geothermal_still_play_ski_area_base/.

Indiana: Ball State Breaks Ground on Geothermal System

On May 9, Ball State University broke ground on a campus geothermal heating and cooling system, according to energycurrent.com. The system, when complete, is projected to slash Ball State's energy costs by an estimated \$2 million annually and cut carbon emissions by approximately 80,000 tons per year, reducing the university's carbon footprint by half.

"Sen. Lugar's office was instrumental in connecting us early on with geothermal experts from Oak Ridge National Laboratory as well as the National Renewable Energy Laboratory (NREL), who confirmed not only that such a system is feasible on campus, but also that it offers tremendous energy savings for Ball State in the future," President Jo Ann M. Gora told press.

Ball State's Board of Trustees approved the plan in February, and state officials approved redirection of \$41.8 million in bond funds that were intended to replace the university's four aging, coal-fired boilers. The project is estimated to cost between \$65 million to \$70 million.

Gora, Lugar, and Muncie Mayor Sharon McShurley, Sen. Sue Errington, Representative Dennis Taylor, and director of the Indiana Office of Energy Brandon Seitz were among the attendees at the groundbreaking.

See <http://www.energycurrent.com/index.php?id=3&storyid=17971>.

Mexico: Los Humeros II Geothermal Plant Plans Underway

Press Release—May 15, Alstom-Built Geothermal Power Plant will Provide Cost-Effective, Reliable and Environmentally Friendly Electricity to Mexico; The project will reduce the country’s CO2 emissions by 230,000 tonnes per year, further establishing Alstom’s role as a clean power producer

Alstom has won a €45 million turnkey contract with Mexico’s Comisión Federal de Electricidad (CFE) to supply a geothermal power plant including key equipment in Mexico.

When completed in October 2011, the Los Humeros II geothermal power plant will supply reliable, cost-effective and environmentally friendly electricity to Mexico's eastern Puebla state.

“Los Humeros II geothermal project represents the return of Alstom to the geothermal market since 2000 when four units of 25MW were built in Los Azufres, Mexico” said Guy Chardon, Senior Vice President Alstom Power Thermal Products. “Alstom’s Geothermal line builds on the group’s proven solutions such as steam turbines, generators, pumps and control systems to expand its renewable offering to its customers.”

Geothermal steam is located some 2-3 km beneath the earth’s surface and extracted to feed the turbine of a geothermal power plant. The resulting energy is low in greenhouse gases, provides base load energy* and is immune to fluctuations in fuel prices, since it requires no fuel.

Los Humeros II and its associated facilities will have a guaranteed net capacity of 25 MW. Alstom will supply the complete engineering, procurement and construction (EPC), including the geothermal steam turbines, air cooled turbogenerator, turbine control and digital control system, a high voltage electric 115kv substation, a direct contact condenser, hotwell pumps, cooling tower, fire protection system, HVAC***, civil works, project management and leadership, mechanical BoP** engineering and site supervision. The turbine will be produced at Alstom's local manufacturing facility in the municipality of Morelia, Michoacan state.

Mexico is the fourth largest geothermal energy producer worldwide after the U.S., the Philippines and Indonesia. This latest project represents Alstom’s return to the fast-growing geothermal market, which is currently present in 70 countries worldwide. From its Morelia manufacturing site, Alstom is preparing geothermal solutions for countries rich in geothermal fields such as the U.S., Mexico, Chile, Indonesia, Iceland, Turkey, Philippines and New Zealand.

In addition to the four 25-MW units to the Los Azufres geothermal power plant in Michoacan state won in 2000, Alstom was also awarded another contract in 1998 to supply two 5.5-MW units to the Las Tres Virgenes geothermal power plant in Baja California Sur.

See

http://www.power.alstom.com/pr_power_v2/2009/may09/49347.EN.php?languageId=EN&dir=/pr_power_v2/2009/may09/&idRubriqueCourante=32205.

Nevada: Reno Council to Pursue Geothermal Companies

Councilman Dave Aiazzi won support last week to pursue geothermal companies to headquarter their offices in Reno, according to rgj.com. The Nevada Legislature is working on bills to provide incentives for new energy development. “We have a president who wants to invest in renewables,” Aiazzi told press. “We have a very powerful senator. And we have geothermal power that could be built in the counties and we get the research and headquarters,” he told press. “This is a win, win for Nevada.”

Chuck Alvey, chief executive officer of the Economic Development Authority of Western Nevada, told the council that attracting clean energy companies has been the top priority for his agency, adding that 23 energy companies are considering moving their offices to Reno and that his agency is checking 400 more energy company leads.

See <http://www.rgj.com/article/20090513/NEWS/90513056/1321/news>.

Nevada Legislature to Consider Renewable Energy Options

Nevada's legislature is looking at bills to attract renewable energy industry companies to the state, according to rgj.com. Major options are:

Senate Bill 395, sponsored by Gov. Jim Gibbons

- Purpose: To transform Nevada from a state that spends \$9 billion on fuel costs and importing energy to a renewable energy exporter.
- Abatements: The original bill called for an abatement of 50% of a new renewable energy producer's property taxes, excluding revenue meant for public schools. Gibbons later submitted an amendment that would allow for a 100% abatement of property taxes for 10 years.

Senate Bill 358, sponsored by State Senate Majority Leader Steven Horsford, D-North Las Vegas

- Purpose: To jump start a renewable energy economy in the state by streamlining regulations, fostering innovation and employing a variety of incentives to attract both large and small-scale renewable energy developers.
- Abatements: Provides a 75% property tax abatement for 20 years on new renewable energy producers and for 10 years for manufacturers of renewable energy equipment. Taxes meant for public schools cannot be abated. Unlike Gibbons' bill, SB 358 would require companies to hire two-thirds of their workers from within the state.

Assembly Bill 522, sponsored by Assemblywoman Marilyn Kirkpatrick, D-Las Vegas

- Purpose: To restructure the way the state uses tax abatements to draw renewable energy developers in such a way that ratepayers see a direct financial benefit and to streamline renewable energy regulation.
- Abatements: Of the three bills, this measure provides the least generous tax abatements. Renewable energy developments would be eligible for 50% abatements on property and sales taxes for five years if they purchase 30% of their materials in the state and for two years if they do not. Protects taxes for public schools from abatement.

See

<http://www.rgj.com/article/20090512/NEWS11/905120345/1321/news/Nevada+Legislature+debates+renewable+energy>.

Texas: House Approves Geothermal Energy Bill

House Bill 4433 by state Rep. Eddie Rodriguez, D-Austin, cleared the House and is now headed to the Senate, according to impactnews.com. It natural gas and oil can be produced incidentally during geothermal energy production, removing a potential obstacle to geothermal energy in Texas, the article said. House Bill 4433 is available at

<http://www.legis.state.tx.us/BillLookup/History.aspx?LegSess=81R&Bill=HB4433>.

See <http://www.impactnews.com/central-austin/recent-news/4443-house-approves-state-senators-bills-on-motor-buses-and-telecommuters>.

International News

Australia: Two Geothermal Companies Eligible for Renewable Energy Grants

Geothermal companies Petratherm and Geodynamics have each met the federal government's eligibility criteria for grants under the Renewable Energy Demonstration Program, according to news.com.au. After assessment, the outcomes for each will be announced in August. Geodynamics has applied for a \$90 million grant for a commercial demonstration plant at Cooper Basin, while Petratherm, with joint venture partners Beach Petroleum and TRUenergy Geothermal, seeks \$62.8 million for a 30-MW commercial demonstration project at Paralana.

See <http://www.news.com.au/adelaidenow/story/0,22606,25486995-5016955,00.html>.

Australia: Geothermal Power Plant Work Delayed

Geodynamics has said work on a geothermal plant at Innamincka could be delayed for up to nine months, according to abc.net.au. The company has so far been unable to stop water and steam flowing from a test well, but is waiting for the proper equipment to arrive.

See <http://www.abc.net.au/news/stories/2009/05/12/2568416.htm>.

Indonesia: Price Dispute Stalls Work on Geothermal Plant

PT Medco, is about to break ground on a 330-MW geothermal plant in Northern Sumatra, according to reuters.com. The \$800-million project will be funded by Ormat Technologies (NYSE:ORA) and Japan's Itochu.

J. Purwono, director general of electricity at the ministry, told reporters PT Medco and PLN are involved in a dispute over the price of electricity derived from the project, the article said. Negotiations have stalled, holding up the project. Indonesia's energy ministry has asked the firm to resolve the dispute. "We want this project to be built quickly because it is very important for Indonesia," Purwono told reporters, adding, "We badly need more power plants."

See <http://www.reuters.com/article/mnGreenInvesting/idUS100063083920090514> and <http://in.reuters.com/article/oilRpt/idINJAK4470520090513>.

Nevis: Administration to Release Geothermal Contract to Public

The geothermal contract between geothermal developers West Indies Power Nevis Ltd. and the Nevis Island Administration will be made available to the public, according to nevispages.com. "The people of this country will get a chance to examine its contents and this generation and future generations will be able to judge us as to whether we were able to get the best agreement for the people of Nevis," legal advisor to the NIA Patrice Nisbett said at a public ceremony.

"I believe that geothermal resource energy will not only bring clean, cheap and green energy to the people of Nevis and the wider Caribbean but it will ensure that Nevis will become energy independent. That will enable us to attract businesses to Nevis and would generate employment and revenue for our country," Nisbett said. He added that the agreement meets the Geothermal Resource Development Ordinance which was passed in the Nevis Island Assembly in July 2008.

See <http://nevispages.com/index.php>.

New Zealand: Contact Energy Delays Geothermal Project

Contact Energy Ltd is delaying plans for a 220-megawatt plant at the Te Mihi geothermal steam field near Taupo due to the economic recession, according to Bloomberg.com. The plan will be reviewed later this year, Contact spokesman Jonathan Hill told press. It is unknown whether the previous target of having the plant generating electricity by 2011 will be met.

See <http://www.bloomberg.com/apps/news?pid=20601081&sid=atov6Rhh9HDY&refer=australia>.

Philippines: President Confirms Authority of DOE on Tiwi-Makban Areas

On May 1, President Arroyo announced Proclamation 1793, confirming the authority of the Department of Energy to explore and enter agreements at the Tiwi-Makban geothermal areas, according to businessmirror.com.ph. The President also directed the DOE to ensure that the transition will not disrupt operations at the field. Aboitiz Power Corp. won the bid to operate the Tiwi-Makban geothermal complex on July 30, 2008, with the highest bid price of \$446.888 million.

See <http://businessmirror.com.ph/home/economy/10131-gma-confirms-authority-of-doe-on-tiwi-makban-geothermal-areas.html>.

UK: Tory Leader Pledges Support for Deep Geothermal Energy

Tory leader David Cameron has pledged support for deep geothermal energy projects in Cornwall, Yorkshire, and the North East, according to newenergyfocus.com. If his party takes office he will provide generous incentives to get deep geothermal technology going, Cameron said on a visit to Cornwall. "We will introduce incentives to kick-start investment in this technology, creating green technology jobs and generating low carbon electricity for the UK."

Cornwall is set to host a 3-MW demonstration project. Several 50-MW geothermal power stations could follow across the country.

See

http://newenergyfocus.com/do/ecco.py/view_item?listid=1&listcatid=32&listitemid=2641§ion=Carbon%2CIndustry%2COn-site%20%26%20Micro.

Notices

Hannon Armstrong Announces Advisory Services for DOE Loan Guarantees

The American Recovery and Reinvestment Act expanded DOE Loan Guarantees and U.S. Treasury Tax Grants, providing renewable energy project developers a path for project funding, according to the Hannon Armstrong Web site. The company has launched an advisory service offering for industry members seeking to apply.

Vice President of Analytics and Structuring Nate Rose told press, "The outcomes vary rather substantially from existing project finance models, and vary between solar, wind, geothermal and biomass projects."

"Given our team's experience with DOE and OPIC loan guarantees, and our appreciation of how challenging this process is, we decided it makes sense to expand our Federal finance offer to include not just the application and its negotiation, but also the monetization of the capital required with this new structure," said Jeffrey Eckel, President and CEO.

See http://www.hannonarmstrong.com/index.php?option=com_content&task=view&id=28.

Palinpinon-Tongonan Philippine Geothermal Plants Up for Bid

On May 11, the Power Sector Assets and Liabilities Management Corporation opened bidding on the 192.5-MW Palinpinon and 112.5-MW Tongonan geothermal power plants, according to pia.gov.ph. The two are being sold as a package. Bidders have until May 22 to submit a letter of interest, and the submission deadline is August 12.

The Palinpinon plant consists of two power stations. Palinpinon I was commissioned in 1983, with three 37.5-MW turbines. Palinpinon II consists of three plants commissioned in 1993, 1994, and 1995.

The Tongonan plant consists of three 37.5-MW units commissioned in 1983.

See <http://www.pia.gov.ph/default.asp?m=12&r=&y=&mo=&fi=p090512.htm&no=40>.

FOA for Advanced Research Projects Agency–Energy, DOE (June 2)

This is the first solicitation for the Advanced Research Projects Agency–Energy (ARPA–E), a new organization within the Department of Energy (DOE). It includes \$150 million for geothermal energy.

This solicitation was created specifically to foster research and development (R&D) of transformational energy-related technologies.

The concept paper opening date is May 12 at 8:00 am EST; the closing date is June 2 at 8:00 pm EST.

See Funding Opportunity Announcement Number DE-FOA-0000065. For the link to the full announcement, go to <http://www07.grants.gov/search/search.do?opId=47045&mode=VIEW>.

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 Opportunities

Director of Development, California Operations, CalEnergy

CalEnergy Operation Corporation is an international leader in the development and production of energy from diversified fuel sources including geothermal, natural gas and hydroelectric. CalEnergy is currently looking for a Director of Development for California-based operations.

This individual will direct, coordinate and exercise functional authority over all activities associated with the development of the new geothermal power plants and other platform development opportunities:

- Administers the project construction contract, manages the use of consultants, and has fiscal responsibility for all costs to build the new plants.
- Directs and oversees the integration of the new plants into the current Imperial Valley operations consistent with the organization's policies and objectives. Qualified candidates will have a bachelor's degree in engineering, business administration, or related field or equivalent work experience.
- Eight years experience in managing power plant development and installation projects or power plant operations including three years supervisory responsibilities.
- Excellent oral and written communication skills, including presentation skills.
- Effective interpersonal skills and leadership abilities.

To apply for this position and view a complete job description please visit www.calenergy.com.

Land Development Manager, Major Geothermal Power Company, California

Operating geothermal power plant in Northern California with ongoing expansion initiatives seeks Development Manager to lead the overall development efforts for the business including coordination of activities on a recently-acquired adjacent geothermal lease (820 acres).

The Development Manager will be asked to assume leadership of the current development activities and to manage the overall effort focused on obtaining necessary permits and approvals to begin construction and drilling activities in search of additional steam resources.

Responsibilities will include:

- Coordinate overall permitting effort amongst key regulatory agencies (CEC, BLM, County, etc.),
- Manage lead CEQA/NEPA contractor and ensure timely and quality work product,
- Manage legal counsel to ensure timely and quality advice and coordination,
- Manage and/or engage additional subcontractors as necessary,
- Coordinate with plant Compliance Manager to ensure compliance with all environmental and safety regulations throughout the development process,
- Coordinate with plant Drilling Supervisor to ensure that the drilling program is developed with the overall development timeline, scope and plan,
- Interface with landowner(s) that hold private surface rights to the geothermal mineral lease,
- Review and authorize development invoices, budgets, capital requests, etc., and
- Oversee the ongoing development effort to ensure safe, environmentally-compliant, and cost-effective results.

Contact:

Mike Erney

Project Director – Alternative Energy

The Carmon Group

(216) 328-9060 EXT 102

michaelerney@carmongroup.com

www.linkedin.com/in/michaelerney

Senior Account Manager for Geothermal Energy

A Fortune 100, multi-billion dollar electronics, engineering and renewable energy company seeks a Senior Account Manager responsible for the sales of geothermal renewable energy. This is a newly created position so there are very few walls and the territory will be wide open for this individual. They are seeking an individual with a minimum of 2 years experience in selling renewable energy, specifically sales of geothermal renewable energy. The candidate basically can live anywhere in the U.S. as long as they are open to travel, by airplane and car.

Our client offers a competitive base salary as well as a lucrative commission structure. Furthermore, they offer full health, dental, and vision benefits (which start day one of employment) as well as a 100% matching 401k plan up to 6% employee contribution, and excellent incentives such as a company car, cell phone, laptop, expenses, and much more.

Contact Information:

Apply to Position AMRE

E-mail resumes to: sherryl@swaffordresources.com

Fax resumes to: 281-858-5852

Senior Director, Business Development, Major Geothermal Company

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

Essential Functions:

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

Education, Experience, and Skills Required:

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

Contact:

Paige Carratturo

Executive Recruiter

Richard Wayne & Roberts

877-236-0899 (direct)

206-855-9746 (fax)

paige@rwr.com

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

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

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

Contact:

Ana Karina Rubi de Reyes, Oficial de Consultorias, BCIE-Tegucigalpa, Honduras

Tel. +504-240-2243, Ext. 5214

Fax. +504-240-2228

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

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.

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

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.

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.

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 Smart Grid Demonstrations, DOE, American Recovery and Reinvestment Act

The U.S. Department of Energy announces its intent to request proposals for Smart Grid Demonstrations. Through this RFP, DOE seeks regionally unique demonstrations to verify smart grid technology viability, quantify smart grid costs and benefits, and validate new smart grid business models, at a scale that can be readily adapted and replicated around the country. Areas of interest include: Smart Grid Demonstrations, Synchrophasors, and Energy Storage. \$615 million expected to be available, up to 36 awards anticipated. Closing date to be announced with release of RFP. For more info, contact Keith Carrington at keith.carrington@netl.doe.gov or go to:

<http://www07.grants.gov/search/search.do;jsessionid=9x3VJydGP2TfWHPRK9mfnpLqsWpm1TQmDJTzS6XLDp1QJKpb2SM!-1267850137?oppId=46836&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000036. (Grants.gov 4/16/09)

RFP for State Energy Program, DOE

The U.S. Department of Energy requests proposals for the State Energy Program (SEP). This program provides formula grants to State and Territorial energy offices to design and carry out renewable energy and energy efficiency priorities. \$25 million expected to be available, up to 56 awards anticipated. Due dates based on state/territorial program years. For more info, contact Lisa Kuzniar at lkuzni@netl.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46791>. Refer to Sol# DE-FOA-0000073. (Grants.gov 4/14/09)

RFP for Contribution of Cost Share for Transportation Related Recovery Act RFPs, CEC

The California Energy Commission requests proposals for the American Recovery and Reinvestment Act Cost Share: Alternative and Renewable Fuel and Vehicle Technology Program. Through this RFP, the CEC will contribute cost share to applicants who are submitting proposals to the Federal government in response to a transportation-related Recovery Act funding opportunity announcements. All projects must be based in California. Eligible Recovery Act solicitations include, but are not limited to: Transportation Electrification (Round 1), DOE, DE-FOA-0000028; Energy Efficiency and Renewable Energy Research – Electric Drive Battery and Component Manufacturing Initiative, DOE, DE-FOA-0000026; Clean Cities (Rounds 1 and 2), DOE, DE-PS26-09NT01236-04; and Transit Investments for Greenhouse Gas and Energy Reduction, DOT, FTA-09005-TIGGER-TRI. \$176 million expected to be available, due dates vary by solicitation. For more info, contact Sarah Williams at skawilli@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/transportation.html#PON-08-010>. Refer to PON-08-010.

RFP for Renewables Purchase in Southwest, U.S. Navy

The U.S. Department of the Navy announces its intent to request proposals for the purchase of competitively priced renewable electrical power through power purchase agreements at Naval and Marine Corps installations in the Naval Facilities Engineering Command Southwest AOR. The Navy seeks systems that are constructed, owned, operated, maintained and repaired by the successful offeror(s) on Government property located within the installation boundaries. Up to 5 awards anticipated. The RFP will be issued “within the next month.” For more info, contact Russell Dominy at Russell.dominy@navy.mil or go to: https://www.fbo.gov/?s=opportunity&mode=form&id=2d9716078bff363ae320d7e111d4b2d0&tab=core&_cview=1. Refer to Sol# N6258309R0085. (FBO 4/17/09)

RFP for Technology and National Research Priorities, American Recovery and Reinvestment Act

The National Institute of Standards and Technology requests proposals for the Technology Innovation Recovery Act Measurement Science and Engineering Research Grants Program: Providing the Technology Infrastructure to Address National Priorities. Priority research areas include, but are not limited to: Energy, environment and climate change; manufacturing; and physical infrastructure. \$35 million expected to be available, up to 60 awards anticipated. Responses accepted on a continuous basis. For more info, contact Christopher Hunton at christopher.hunton@nist.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46063>. Refer to Sol# 2009-NIST-ARRA-MSE-RESEARCH-01. (Grants.gov 3/16/09)

RFP for Source Reduction, EPA (May 26)

The U.S. Environmental Protection Agency, with the exception of Region 8, requests proposals for the Source Reduction Assistance Grant Program. SRA supports pollution prevention/source reduction and resource conservation projects that reduce or eliminate pollution at the source. Areas of interest include,

but are not limited to: Projects that use source reduction to reduce pounds of hazardous wastes/substances; water conservation, energy conservation; and reduction of greenhouse gases. \$1.170 million expected to be available, up to 30 awards anticipated. Responses due 5/26/09. For more info, including Regional contacts and priorities, go to: <http://www.epa.gov/p2/pubs/grants/srap09.htm>. Refer to Sol# EPA-HQ-OPPT-09-08. (Grants.gov 4/27/09)

RFP for Energy Efficiency and Conservation Block Grants, DOE, American Recovery and Reinvestment Act (May 26 and June 25)

The U.S. Department of Energy request proposals for Energy Efficiency and Conservation Block Grants (EECBG). This program will provide financial assistance to eligible states, cities, counties and Indian Tribes to create and implement strategies to reduce energy use and fossil fuel emissions, and improve efficiency in the building, transportation, and other appropriate sectors. Areas of interest include, are not limited to: Development of efficiency and conservation strategies and programs for buildings and transportation, technical consultant services; building energy audits; energy efficiency retrofits; building codes programs; reduction and capture of methane and greenhouse gases; traffic signals and street lighting; and renewable energy technologies on government buildings. \$3.1 billion expected to be available. Applications from States due 5/26/09. Applications from Local Governments and Tribes due 6/25/09. For more info, contact Lisa Kuzniar at lkuzni@netl.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46340>. Refer to Sol# DE-FOA-0000013. (Grants.gov 3/26/09)

RFP for Community Economic Development, Department of Health and Human Services (May 28)

The U.S. Department of Health and Human Services requests proposals for Community Economic Development (CED) Projects. CED supports Community Development Corporation efforts to assist community economic development activities designed to address the economic needs of low-income individuals and families through the creation of employment and business opportunities in low-income communities. CED focuses on industries that have viable short and long term job outlooks and present no obvious long term risks. One recommended strategy for sustaining growth is creating jobs in high growth sectors which include, but are not limited to, Recycling, Renewable or Alternative Energy, Transportation or Advanced Manufacturing. \$29.1 million expected to be available, up to 47 awards anticipated. Responses due 5/28/09. For more info, contact Rafael Elizalde at OCSGRANTS@acf.hhs.gov or go to: <http://www.acf.hhs.gov/grants/open/HHS-2009-ACF-OCS-EE-0034.html>. Refer to Sol# HHS-2009-ACF-OCS-EE-0034. (Grants.gov 3/9/08)

RFP for Energy Efficiency and Renewable Energy Training Programs, Appalachia (May 29)

The Appalachian Regional Commission requests proposals for Renewable Energy and Energy Efficiency Training and Certification Programs. Funded projects must focus on training and certification programs, supporting the development of trained employees for jobs in the renewable and energy efficiency fields, as well as providing certified installers to the marketplace. Implementation of energy efficiency education curricula, such as USGBC LEED programs, ASHRAE programming, IECC, or other energy efficiency coursework will also be supported. Projects must take place in the ARC Region which includes all of WV and parts of AL, GA, KY, MD, MS, NY, NC, OH, PA, SC, TN, and VA. \$250K expected to be available, up to 10 awards anticipated. Responses due 5/29/09. For more info, go to: <http://www.arc.gov/images/rfp/ARC%20Energy%20RFP%20Training%20and%20Certification.pdf>.

RFP for Renewable Energy and Energy Efficiency for K–12 Schools, Appalachia (May 29)

The Appalachian Regional Commission requests proposals for Renewable Energy and Energy Efficiency for K-12 Schools. This program will underwrite costs of installing renewable energy and energy efficiency equipment in K–12 schools in Appalachia, and provide support for the implementation of associated science, environment, and business curricula in the classroom. Eligible renewable energy equipment includes: Wind, solar, fuel cells, biofuels, and geothermal systems. Projects must take place in the ARC Region which includes all of WV and parts of AL, GA, KY, MD, MS, NY, NC, OH, PA, SC, TN, and VA. \$250K expected to be available, up to 10 awards anticipated. Responses due 5/29/09. For more info, go to: <http://www.arc.gov/images/rfp/ARC%20Renewable%20Energy%20For%20Schools%20Program.pdf>.

RFP for Transformational Energy R&D, DOE, American Recovery and Reinvestment Act (June 2)

The U.S. Department of Energy, Advanced Research Projects Agency (a new DOE Agency created specifically to foster R&D of transformational energy related technologies) requests proposals for Advanced Research Projects. Transformational technologies are defined as those that disrupt the status quo; not merely better than current technologies, but significantly better. This RFP supports the Nation's need to overcome the threats posed by climate change and energy security. Concept papers are required, and are due 6/2/09. Final proposals accepted by invitation only. For more info, contact Bradley Poston at bradley.poston@hq.doe.gov or go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=47045>. Refer to Sol# DE-FOA-0000065. (Grants.gov 4/27/09) (FBO 4/29/09)

RFP for Rural Energy Audits and Renewable Energy Development, DOA, American Recovery and Reinvestment Act (June 9)

The U.S. Department of Agriculture requests proposals for the Rural Business Enterprise Grant Program. USDA seeks proposals from eligible entities to provide energy audits and renewable energy development assistance for agricultural producers and rural small businesses. Individual awards NTE \$100K. Responses due 6/9/09. For more info, go to: <http://www.rurdev.usda.gov/rbs/>. Refer to Sol# RDBCP-09-RBEG-ARRA. (Grants.gov 3/27/09)

RFP for Energy Innovations Small Grant Program, CEC (June 11)

The California Energy Commission requests proposals for the Energy Innovations Small Grant Program – Electricity Program. EISG funds the early development of innovative energy RD&D projects. Projects must target one of the following: Industrial/Agriculture/Water End-Use Efficiency; Building End-Use Efficiency; Environmentally Preferred Advanced Generation; Renewable Generation; Energy-Related Environmental Research; and Energy Systems Integration. Proposed projects must be clearly relevant to California's electric market. Individual hardware awards NTE \$95K, individual modeling awards NTE \$50K. Responses due 6/11/09. For more info, go to: http://www.energy.ca.gov/contracts/smallgrant/09-01_electricity/index.html. Refer to Sol# 09-01.

RFP for American Recovery Program, Department of Commerce (June 30)

The U.S. Department of Commerce, Economic Development Administration (EDA) requests proposals for the EDA American Recovery Program, for projects that advance economic growth by assisting communities and regions experiencing chronic high unemployment and low per capita income to create an environment that fosters innovation, promotes entrepreneurship, and attracts increased private capital investment. Priority consideration will be given to regions that have experienced sudden and severe

economic dislocation and job loss due to corporate restructuring. Applicants may apply for the following programs: 1) Public Works and Economic Development Facilities Program, and 2) Economic Adjustment Assistance Program. Responses due 6/30/10. For more info, including Region-specific contacts, go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=45786>. Refer to Sol# DA03102009RECOVERYACT. (Grants.gov 3/5/09)

RFP for Green Jobs Training, DOL, American Recovery and Reinvestment Act (June 30)

The U.S. Department of Labor announces its intent to request proposals for Recovery Act Competitive Grant Opportunities. DOL anticipates \$500 million will be targeted at research, labor exchange, and job training projects that prepare workers for careers in energy efficiency and renewable energy as defined in the Green Jobs Act: Energy efficient building, construction, and retrofitting; renewable electric power; energy efficient and advanced drive train vehicles; biofuels; deconstruction and materials use; energy efficiency assessment for residential, commercial, or industrial sector, and manufacturing of sustainable products using sustainable processes. \$250 million will be targeted at other high growth and emerging industry sectors. DOL intends to post the RFPs no later than 6/30/09. For more info, go to: <http://www.grants.gov/search/search.do?mode=VIEW&flag2006=false&oppId=46337>. (Grants.gov 3/26/09)

RFP for Environmental Implications of Emerging Technologies, NSF (September 15)

The National Science Foundation requests proposals for Environmental Implications of Emerging Technologies, for research to develop and test the environmental effects of new technologies. Areas of interest include, but are not limited to: The development and refinement of sensors and sensor network technologies; innovative production processes, waste reduction, recycling, and industrial ecology technologies; and evaluation of the effect of increased usage of renewable resources on water supply and land use. Individuals awards generally NTE \$80K each. Responses due 9/15/09. 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 3/23/09)

RFP for Energy for Sustainability, National Science Foundation (September 15)

The National Science Foundation requests proposals for the Energy for Sustainability Program. This program supports research and education in energy production, conversion, and storage, and is focused on energy sources that are environmentally friendly and renewable, including solar, wind and biomass. Average individual awards \$100K. Responses due 9/15/09. For more info, contact Trung Nguyen at tnguyen@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501026. Refer to Sol# PD-09-7644. (Grants.gov 3/6/09)

RFP for Thermal Transport Processes, National Science Foundation (September 15)

The National Science Foundation requests proposals for the Thermal Transport Processes Program, for engineering research aimed at gaining a basic understanding of the microscopic and macroscopic levels of thermal transport phenomena (heat and mass transfer) underlying energy conversion and conservation, the synthesis and processing of materials, cooling and heating of infrastructure and equipment, and more. An active understanding of thermal transport in energy conversion and conservation processes is vital to reduce the nation's dependence on petroleum. Awards NTE \$100K. Responses due 9/15/09. For more info, contact Theodore Bergman at tbergman@nsf.gov or go to: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13367. Refer to Sol# PD-09-1406. (Grants.gov 3/9/09)

RFP for National Lab Partnerships for Energy Research, DOE (November 9)

The U.S. Department of Energy requests proposals for Experimental Program to Stimulate Competitive Research (EPSCoR); Building EPSCoR-State/National Laboratory Partnerships. This RFP will support collaborative partnerships between National Laboratories and academic or industrial researchers to conduct nationally competitive, energy-related research. \$1.7 million expected to be available, maximum awards generally \$600K. Pre-applications are required and are due 6/5/09, final proposals due 11/9/09. For more info, contact Marilyn Oyler at marilyn.oyler@science.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/33EE94649665FEA8852575A1006CCB0A?OpenDocument>. Refer to Sol# DE-PS02-09ER09-11. (Grants.gov 4/23/09)

RFP for Renewable Energy Resources, Los Angeles (March 11, 2010)

The Los Angeles Department of Water and Power (LADWP) has issued a rolling request for proposals (RFP) designed to seek renewable energy proposals on a continuous basis throughout the year. The rolling RFP calls for proposals for approximately 1,000 GWh per year of renewable energy resources such as solar, wind and geothermal power. This amount represents nearly 4% of LADWP's power sales.

LADWP is looking to acquire renewable energy resources through either immediate ownership of power generation facilities or through long-term power purchase agreements. Under the terms of the new RFP, green power providers can submit their proposal anytime throughout the year. LADWP will open and consider the proposals on a monthly basis, and could then begin evaluation and negotiation of a particular project right away.

LADWP says it will give preference to proposals that offer immediate facility ownership or to long-term PPAs that have an ownership option. Additionally, LADWP is targeting solar projects located in the high deserts of California, close to LADWP's existing transmission system. The application deadline is March 11, 2010.

RFP for Smart Grid Investments, DOE, American Recovery and Reinvestment Act (March 31, 2010)

The U.S. Department of Energy announces its intent to request proposals for the Smart Grid Investment Grant Program. Through this program, DOE seeks to stimulate the rapid deployment and integration of advanced digital technology that is needed to modernize the nation's electric delivery network for enhanced operational intelligence and connectivity. The program will support projects that promote deployment, including development of component technologies. Individual award range anticipated to be \$500K to \$5 million. The RFP will open on or about 6/17/09. Three due dates anticipated: 7/29/09, 12/2/09, and 3/31/10. For more info, contact Donna Williams at Smart-Grid.NOIComments@hq.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/39C0D96768F2083F8525759A0068F216?OpenDocument> <http://www07.grants.gov/search/search.do;jsessionid=9x3VJydGP2TfWHPRK9mfnpLqsWpm1TQmDJTzS6XLDp1QJKpb2SM!-1267850137?oppId=46833&flag2006=false&mode=VIEW>. Refer to Sol# DE-FOA-0000058. (Grants.gov 4/16/09)

Upcoming Events

International Geothermal Days Slovakia 2009, May 26–29 (Slovakia)

From the organizing committee: Geothermal Conference and Summer School under the Auspices of the Minister of Environment of the Slovak Republic and the Minister of Economy of the Slovak Republic to be held on 26th to 29th May 2009 in Častá Papiernička—Slovakia

The idea of the conference is to discuss the situation with respect to the energy and particularly renewable energy issues in the Visegrad Countries, Western and Central/East European countries. From the EC Member States and pre-accession countries, a limited number of experts will be invited as observers. The motto of the event is “National Development of Geothermal Energy Use.” During the Slovakia 2009 – International Geothermal Days, several themes will be introduced and discussed. These are:

- Geothermal District Heating Projects: Technical and Economic Feasibility for Organization in Central European conditions;
- Geothermal Electricity Production: Possibilities, Technical and Economic Feasibility in Central European Region;
- Geothermal Legislation: Organizing Good Legal and Economic Support for Geothermal
- Energy Development in Central European Region;
- Organization of a Successful Development of Geothermal Project;
- Co-generation Geothermal Projects in Combination with other RES or Fossil Fuels;
- Possibilities for Wider Introduction of Agricultural and Industrial Uses of Geothermal
- Energy in Central European Countries;
- Geothermal Energy Use in Spa and Balneology Centers in Central European Region

In addition, an International Course on Organization of Successful Development of a Geothermal Project shall be organized with the aim to enable orientation for the full process of geothermal projects development, needed for definition of necessary legal, financial and organizational support and composition of successful development strategies.

For a tentative program and further details, see <http://www.erdwaerme-zeitung.de/meldungen/internationalgeothermaldayslovakia20098743256789.html>.

GEA: U.S. Geothermal Finance and Development Workshop, June 3 (Seattle, WA)

GEA will hold its next in a highly successful series of Finance and Development Workshops in Seattle, WA on June 3.

“The West has a huge untapped geothermal energy potential,” according to Karl Gawell, GEA’s Executive Director. “This workshop will help realize this potential by encouraging collaboration between leading geothermal developers, finance and investment specialists, government officials, lawyers, and technology experts from around the nation.”

The day-long workshop is being held in cooperation with the Mayor of Seattle’s office and with the support of Gold Level Sponsors Ormat, Pratt and Whitney Power Systems, and Enel North America. It will include an update on the U.S. geothermal market and keynote presentations by the Mayor of Seattle, Greg Nickels, and other notable government and industry leaders.

Panels and discussion will include:

- Project development, including presentation from leading project developers on new geothermal projects and keys to successful development
- Technology, including a basic tutorial on understanding geothermal resources and technology and discussion on new and future developments in geothermal technology
- Finance, including information on the federal stimulus, the status of federal and state incentives, and approaches to project financing
- Community/environmental issues and tribal and power company perspectives, with environmental and tribal leaders speaking to geothermal issues and benefits on a local scale.

For more information please go to www.geo-energy.org or contact Kathy Kent at GEA by emailing kathy@geo-energy.org.

GEA: Direct Use/Small Power Finance Workshop, Oregon Institute of Technology (OIT), August 12-13 (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: Geothermal Energy Expo/GRC Annual Meeting, October 4-7 (Reno, NV)

The 2009 Geothermal Energy Expo and GRC Annual Meeting will be held October 4-7 at the Peppermill in Reno, Nevada. For more information about the Geothermal Energy Expo, visit: <http://www.geo-energy.org>.

Renewable Energy Indonesia 2009 Trade Show, October 14–17 (Jakarta, Indonesia)

Indonesia has 45% of the world's geothermal energy resources. Renewable Energy Indonesia 2009 is the 5th international exhibition for all renewable energy technologies. It will be held at the International Exhibition Centre at Kemayoran, October 14–17, 2009.

For more information: www.pamerindo.com.

XVII Annual Congress and Annual Assembly, Mexican Geothermal Association, November 13 (Mexico)

The Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana) will hold its XVII Annual Congress and Annual Assembly by November 13, 2009, at the CFE (Comisión Federal de Electricidad) offices in Morelia, Mich., Mexico.

Preliminary program:

9:00 – 10:00 hours: Registration
10:00 – 13:00 hours: Technical presentations
13:00 – 14:00 hours: Lunch
14:00 – 17:00 hours: Technical presentations
17:00 – 18:30 hours: Ordinary Assembly

Fees: AGM's members: 750 Mexican pesos (~55 USD). Non-members: 1,100 Mexican pesos (~85 USD). Students and retired: 50%. Fee includes lunch, transactions and coffee breaks.

Deadlines:

Submission of abstracts: July 24
Acceptation notification: August 7
Submission of extended papers: September 4
Pre-registration: November 3

Complete call for papers (in Spanish) at: <http://www.geotermia.org.mx> (See: Congreso 2009)

More information: Luis C.A. Gutiérrez-Negrín (AGM's secretary): l.g.negrin@gmail.com.



GEA Weekly Update

A newsletter for the geothermal industry 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