



GEOTHERMAL ENERGY ASSOCIATION

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National News

Republican Party Stance on Renewable Energy

In last week’s issue of the *GEA Weekly Update*, we gave you the Democratic Party stance on renewable energy. This week during the Republican National Convention, gop.com describes its views on energy issues as such:

- The President's Advanced Energy Initiative promotes America's four main sources of electricity: coal, nuclear, natural gas, and renewable sources.
- Nuclear Power is abundant and affordable, clean, and safe.
- President Bush is encouraging the research and development of Clean-Coal technologies, which is by far America’s most abundant and affordable energy resource.
- President Bush's FY2007 budget proposed \$44 million in funding for wind energy research and other alternative and renewable resources.

Johnmccain.com goes further, showing McCain’s views and past efforts. It reads: “Our nation's future security and prosperity depends on the next President making the hard choices that will break our nation's strategic dependence on foreign sources of energy and will ensure our economic prosperity by meeting tomorrow's demands for a clean portfolio. John McCain has made the necessary choices—producing more power, pushing technology to help free our transportation sector from its use of foreign oil, cleaning up our air and addressing climate change, and ensuring that Americans have dependable energy sources. John

McCain will lead the effort to develop advanced transportation technologies and alternative fuels to promote energy independence and cut off the flow of oil wealth to repressive dictatorships like Iran.”

Visit <http://www.johnmccain.com/Informing/Issues/17671aa4-2fe8-4008-859f-0ef1468e96f4.htm>.

DOE Partners with Australia and Iceland for Geothermal Technologies

Representatives from the United States, Australia, and Iceland have signed the charter of agreement to promote geothermal activities, according to newsblaze.com. The U.S. Department of Energy's (DOE) Acting Assistant Secretary for Policy and International Affairs Katharine Fredriksen, Australia's Ambassador to Iceland Sharyn Minahan, and Iceland's Minister of Industry Energy and Tourism Ossur Skarphedinsson met in Reykjavik, Iceland, where they signed the agreement and participated in a two-day geothermal workshop.

This move will promote energy security and address climate change. The countries will work together to identify resources, share knowledge, and advance enhanced geothermal systems (EGS) technology.

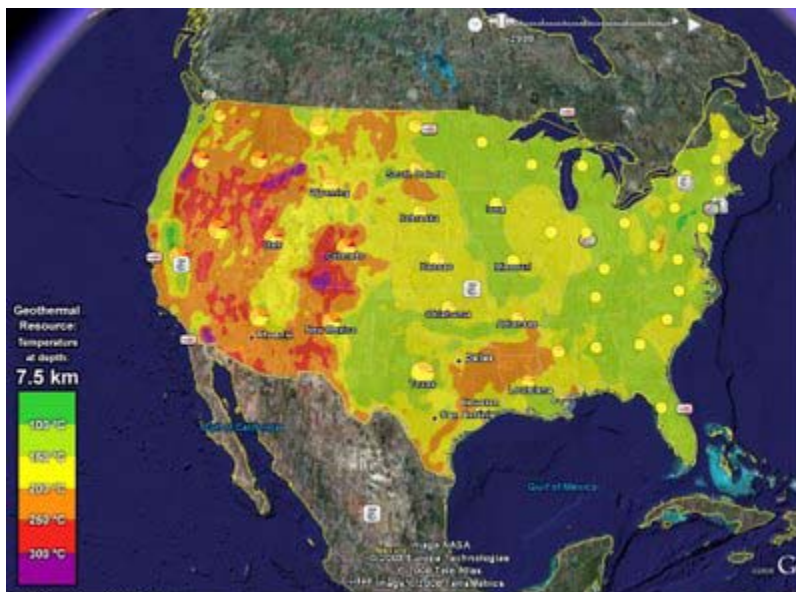
"Enhanced geothermal systems have the potential to be the world's only ever-present form of baseload renewable energy," Fredriksen told press. "This international collaborative will bind the U.S., Australia and Iceland to work together to accelerate the development of geothermal energy, bringing this clean, domestic and natural energy to the market in the near-term to confront the serious challenges of climate change and energy security."

The agreement establishes a steering committee to which each country party appoints two members. The U.S. representatives on the steering committee are DOE Geothermal Program Director Ed Wall and GEA Executive Director Karl Gawell.

See related story with pictures, *Iceland: U.S. DOE Visits Geothermal Plant During Partnership Workshop* under **International News**.

Visit <http://newsblaze.com/story/20080828113811tsop.nb/topstory.html>.

Google.org Provides Interactive Enhanced Geothermal Systems Maps



Google.org has a new geothermal energy feature. You can view information on EGS potential, complete with state-by-state information, available at www.google.org/egs. These maps were produced with methodology used in the MIT study, *The Future of Geothermal Energy*. You may need to download Google Earth at <http://earth.google.com/> in order to use this feature.

Company News

AltaRock Energy: Successful Funding Round Reaches \$26.25m

Press Release—August 19, [AltaRock Energy Closes \\$26.25 Million Private Placement For Developing Engineered Geothermal Technology and Projects](#)

AltaRock Energy Inc. announced today it had closed a \$26.25 million second round of financing that will fund the development and demonstration of technology designed to lower the cost of Engineered Geothermal System (EGS) electricity generation.

The funding is coming from the company's first-round investors, Khosla Ventures and Kleiner Perkins Caufield & Byers, who are joined in this round by Google.org, Advanced Technology Ventures, and Vulcan Capital.

AltaRock CEO Don O'Shei said, "The company could not be more excited about what this financing, being made by such a knowledgeable group of investors, means for us and for the future of renewable energy. The successful implementation of EGS generation will resolve many problems that have slowed the full adoption of environmentally attractive energy solutions."

AltaRock intends to develop EGS in a cost-effective manner in order to provide baseload renewable energy to U.S. power markets, and to meet the renewable portfolio standard needs of utilities in states such as Washington, Oregon, California and Nevada. AltaRock Energy's planned EGS demonstration project will test the company's proprietary technology advancements that are expected to reduce the costs of engineering geothermal fluid flow paths in hot rock. AltaRock has filed applications for a portfolio of U.S. patents in the EGS area, and holds exclusive U.S. licenses for other related intellectual property. Several development projects are expected to follow the demonstration of this technology.

See <http://www.altarockenergy.com/media.html>.

Nevada Geothermal: Blue Mountain Update Available; Construction to Begin

Press Release—August 27, [Nevada Geothermal Power Inc. Provides Update on Blue Mountain Geothermal Power Project](#)

Nevada Geothermal Power Inc. (NGP) (TSX-V: NGP, OTC-BB: NGLPF) is pleased to provide the following update on Phase 1 development activities at its Blue Mountain, Faulkner I, 49.5 MW (gross) renewable energy geothermal power project.

A financing facility for the construction of the 49.5 MW Blue Mountain Faulkner I project in Nevada is expected to close shortly. NGP continues to maintain project timelines and terms with Ormat Technologies.

NGP has all the necessary permits for initial construction work, which is scheduled to commence in September 2008. NGP's wholly owned subsidiary, NGP Blue Mountain I LLC (NGP I), was issued a Limited Permit to Construct from the Public Utilities Commission of Nevada (PUC) at the Blue Mountain geothermal project on July 11, 2008. The grant of permit under the Utility Environmental Protection Act (UEPA) allows NGP I to grade the site and complete the foundations for the geothermal power plant.

Step-out Well 58-15, located 4,600 feet (1,402 m) west of earlier production wells and originally planned for geothermal fluid reinjection, will be completed as a high-temperature production well. Production and injection tests conducted by GeothermEx indicate that Well 58-15 encountered reservoir fluid at 415°F (213°C), the highest temperatures yet measured at Blue Mountain, in a highly permeable zone at 5,600 feet (1,707 metres). The new production well location opens up the possibility of several fill-in production wells between Well 58-15 and other production wells already drilled by NGP.

The capacity of Well 58-15 flowing unassisted (unpumped) is estimated by GeothermEx at approximately 5.5 MW, net of parasitic power required for the power plant. Pumping was not considered by GeothermEx because of the higher temperature fluids. However, NGP is working with specialist consultants to assess the viability of pumping Well 58-15 utilizing line-shaft pumps equipped for high temperature service. If pumping proves feasible, Well 58-15 could produce approximately 10 MW (gross) or 7.5 MW (net) of power plant and pump loads.

During drilling, Well 58-15 identified shallow injection potential (the zone has been cased) in the interval between 1200–1600 feet (366–488 m). The shallow permeable zone for injection contains much lower fluid temperatures and is separated from the deep production zone by a 3,000 foot thickness of impermeable rock. The shallow zone will be a primary target for future shallow injection wells to be drilled in the "West Injection Area."

The acid stimulation testing for Well 44-14 has been successfully completed. Well 44-14 will be re-entered and deepened to possibly tap the same deeper fault structure that was intersected in Well 58-14.

Injection Well 13-11 has been drilled to a depth of 7,162 feet (2,183 m); however, the target fault was not found. A sidetrack well, or second leg, will be drilled at an angle to the west from below the casing shoe (2,025 feet, 617 m) to intersect the projected target.

NGP has temporarily suspended drilling at Blue Mountain, having completed its equity contribution for the power project budget. The ThermaSource rig remains at the site, with drilling to resume in September. NGP is on track to complete the project, including resource drilling, transmission line installation, and pipeline and power plant construction by December 31, 2009.

For news releases from Nevada Geothermal, visit <http://www.nevadageothermal.com/s/News.asp>.

Raser Technologies: Company's First Power Plant Will Open This Year

Raser Technologies will open its first geothermal power plant later this year, according to an article on guardian.co.uk. The plant is located near Minersville, Utah, and will power 9,000 homes in Anaheim, California.

The article described Raser's journey from being exclusively a developer of electric motor technology. The change came when Chief Executive Brent Cook joined Raser in 2005. He added geothermal energy as a new pursuit for the company. "In the case of geothermal... the execution of that plan is all in our hands," Cook said, according to the article. "The licensing side of our business requires convincing some other company to take the technology and deploy it into their marketplace, and that's a lot harder to predict."

To speed its growth, Cook said Raser is focusing on small power plants that can be built in just a few months, the article said.

See <http://www.guardian.co.uk/business/feedarticle/7759659>.

Raser Technologies: Seventeen New Leases Added to Geothermal Plans

Press Release—August 27, [Raser Technologies Adds 32,700 Acres To Its Geothermal Resource Portfolio](#)

Raser Technologies, Inc. announced today that it has obtained seventeen new lease agreements covering approximately 32,700 acres of geothermal, surface and other rights in Central Utah.

The signing of these long-term leases increased Raser's holdings in Utah to over 150,000 acres. The specific terms of the various leases were not disclosed but under the lease agreements, Raser has rights to the geothermal resources and certain surface rights for the construction of geothermal wells, piping, power plants and transmission lines.

"These leases are very important to our future development plans," stated Brent M. Cook, Raser's Chief Executive Officer. "We continue to capitalize on the excellent geothermal resource opportunities that currently exist in the Utah market. We believe these new leases will provide some valuable projects and add to our vast geothermal portfolio."

Raser also updated its website to include video of the recently held press conference with Governor Bill Richardson held in Albuquerque, New Mexico, to announce the beginning of the construction phase for the development of its Lightning Dock project. Raser's Lightning Dock project is expected to be the first commercial scale geothermal power plant in New Mexico. The video can be viewed at www.rasertech.com.

For news releases from Raser, visit <http://www.rasertech.com/news.php>.

Sierra Geothermal Power: Investors Comment on Company Growth

Proactive Investors has been following Sierra Geothermal Power Corporation (TSX: SRA) for some time, according to their Web site. Their article on the company recognizes the need for cleaner energy sources, which it says makes for interesting investment propositions.

"SRA has had an eventful few months and has been busy with permitting, conducting transmission studies, negotiating power purchase agreements and drilling," the article says. "The company also released 2Q2008 financial results. For the three and six months ended June 30, 2008, SRA reported a net loss of \$955,676 or \$0.01 per share and \$1,672,579 or \$0.02 per share, compared to a net loss of \$519,764 or \$0.01 per share and \$962,263 or \$0.02 per share for the same periods last year." The article says, "There is no reason for alarm however. The loss increased mainly due to an increase in stock-based compensation expense, which increased to \$473,204 and \$752,102 for the two periods from \$154,799 for both 1Q and 1H2007!"

The article mentions that Sierra Geothermal was ranked in the Top 10 in the TSX Venture Exchange's Clean Tech Sector among TSX Venture Top 50 Emerging Companies.

See <http://www.proactiveinvestors.com/companies/news/729/-sierra-geothermal-power-in-pursuit-of-a-greener-world-with-renewable-energy--0729.html>.

Renewable and Climate Change News

Popular Mechanics Highlights Five Geothermal Projects

In the wake of recent media attention on geothermal energy, largely due to Google.org's investment in enhanced technologies, an article in Popular Mechanics takes a close look at five geothermal projects in the works:

1. Project: Desert Peak EGS, Western Nevada, Ormat Technologies/Department of Energy/others
 - The \$5 million EGS project will attempt to expand the geothermal reservoir already being tapped by Ormat's Desert Peak geothermal plant. In the coming months, water will be injected at high pressure to fracture the hot, dry rock and, if all goes well, will flow through the fissures so that production wells can pump it back to the surface.
 - Desert Peak is a proving ground for EGS. To study rock 4000 ft. beneath the ground, researchers at the U.S. Geological Survey developed a specialized camera called a Televiwer capable of surviving intense pressure and heat. "Desert Peak is an important R&D project," says Ormat chairman Lucin Bronicki. "The idea is to learn from this."

2. Project: Raft River Power Plant, Southern Idaho, U.S. Geothermal
 - Located on the site of a defunct 1970s Department of Energy geothermal project, this \$44 million, 10.5-MW facility began producing commercial power in January.
 - Pumps draw 283 F water from a reservoir 5500 ft. down and pipe it through a heat exchanger that vaporizes isopentane to drive a turbine. Binary power plants such as this have made it possible to generate [electricity](#) from geothermal water previously considered to be too cool.

3. Project: Neal Hot Springs, Eastern Oregon, U.S. Geothermal
 - Despite Oregon's vast geothermal potential, the 26-MW, \$100 million project would be the state's first large-scale geothermal plant.
 - Abundant hydropower in the Pacific Northwest has to date stymied geothermal production. No more. "The Northwest needs new power sources and you can't build any more big dams," Geothermal's Glaspey says.

4. Project: Thermo, Southwestern Utah, Raser Technologies
 - Projected to begin commercial operations in October, the \$40 million facility is the first geothermal plant built in Utah in 20 years.
 - Thermo illustrates how state laws that require utilities to increase green power are boosting geothermal. The municipal utility in Anaheim, Calif., has agreed to buy 10 MW to meet California's renewable portfolio standard. "Renewable portfolio standards are driving a lot of growth," says Raser spokesman Richard Putnam.

5. Project: Oilfield Wastewater Experiment, Rocky Mountain Oilfield Testing Center, Wyoming, Department of Energy/Ormat
 - A portable, 250-kw power plant developed by Ormat will produce electricity from oil-field wastewater.
 - U.S. energy fields could produce 5000 MW of electricity from the water that is typically dumped on the ground while extracting oil and gas. This electricity could be used to power energy fields or even be fed into the grid—putting oil and gas companies in the geothermal business.

See <http://www.popularmechanics.com/science/earth/4279680.html>.

U.S. DOE Announces \$26m to Develop Energy Efficient Processes in U.S.

From Sustainable Energy Coalition/SUN DAY Campaign:

U.S. Department of Energy (DOE) Principal Deputy Assistant Secretary of Energy Efficiency and Renewable Energy John Mizroch today announced over \$26 million in federal funding over three years, subject to Congressional appropriations, cost-shared development of energy-efficient industrial processes in the steel and other energy-intensive industries. These projects support the Energy Policy Act of 2005 goal of reducing the energy intensity of U.S. manufacturing industries by 25% in 10 years as well as contributing significant reductions in greenhouse gas (GHG) and other emissions.

See <http://www.energy.gov/news/6486.htm>.

UN Climate Talks Begin in Ghana

From EESI Climate Change News:

On August 21, United Nation (UN) climate talks began in Accra, Ghana, where 1600 delegates and environmental experts from 160 countries met to draft language for a treaty due to be adopted next year. "The clock is ticking," said Ghanaian President John Kufuor. "We need more than rhetoric to make progress in the next 12 to 18 months. Climate change makes development harder and more expensive." While the 1997 Kyoto Protocol focused on reducing emissions in industrial countries, the new agreement will incorporate funding mechanisms and technology transfer to developing countries to help them grow in climate-friendly ways.

Concerns discussed included deforestation, flood prevention, drought-resistant crops, greenhouse gas emissions and defenses against rising sea levels. "Progress on substance ... must be swifter, the level of ambition by both developed and developing countries higher, and the measures to reduce CO2 emissions stronger," said Kim Carstensen, director of the World Wildlife Fund's Global Climate Change Initiative.

For additional information see <http://africa.reuters.com/wire/news/usnLL702642.html>, <http://ap.google.com/article/ALeqM5hExozDqB-mXGnpa1pMx7yUs6BLmAD92MO7H00>, http://afp.google.com/article/ALeqM5isWchF3RSIANEuNOHhuyL-te_FA, and http://news.xinhuanet.com/english/2008-08/22/content_9600062.htm.

Twelve States Sue EPA Over Refinery Carbon Emissions

From Sustainable Energy Coalition/SUN DAY Campaign:

New York and 11 other states are suing federal environmental regulators over greenhouse gas emissions from oil refineries, the New York attorney general's office said on Monday. The suit, led by New York Attorney General Andrew Cuomo, charges that the Environmental Protection Agency violated the federal Clean Air Act by refusing to issue standards, known as new source performance standards, for controlling global warming pollution emissions from oil refineries.

See <http://www.planetark.com/dailynewsstory.cfm/newsid/49947/story.htm>.

State News

California: Research Puts State at 5th in Renewables; Groups Call for RPS Increase

From Sustainable Energy Coalition/SUN DAY Campaign

According to the newest data, California is falling behind other states in terms of building new renewable energy projects such as wind farms and solar power plants. Data released today by Environment California Research & Policy Center shows California in fifth place behind Texas, Iowa, Minnesota and Colorado in terms of new large-scale renewable energy projects developed in states with Renewable Portfolio Standards (RPS). Environmental groups gathered today with top policy makers to call for removing barriers to renewable energy development and increasing the state's RPS goal to at least 33% by 2020.

See <http://www.environmentcalifornia.org/newsroom/energy/energy-program-news/california-takes-5th-place-in-race-to-develop-renewable-energy-groups-call-for-rps-increase>.

California: Mexican Border States Join Fight for Climate Change

From EESI Climate Change News:

On August 14 at an annual U.S.-Mexican Border Governors Conference held in Hollywood, Los Angeles, California and six Mexican border states, Sonora, Baja California, Chihuahua, Coahuila, Nuevo Leon and Tamaulipa, joined with Pacific Gas & Electric (PG&E) and the California Climate Action Registry (CCAR) in a Memorandum of Understanding (MOU) to combat climate change. "There is no divide to the air that we all breathe, or the clean water that we all depend on," said Arnold Schwarzenegger, California Governor and chair of the group. "There is no divide between our common desire to make the border region an economic powerhouse."

The theme of this year's conference was Building Green Economies, and both Schwarzenegger and Juan Rafael Elvira Quesada, head of the Mexican Secretariat of the Environment and Natural Resources, discussed the need for collaboration. The Mexican border states have joined the Western Climate Initiative and Quesada proposed the creation of state climate change plans to cooperatively deal with the impacts of global warming. The plan would include greenhouse gas emission inventories at the local, state and regional levels, and the adoption of California's low-carbon air quality standard by the Mexican states. "Now, our work is complicated, it's never-ending and it requires constant coordination and collaboration," said Schwarzenegger. "But this organization has shown time and time again that it is ready to rise to any challenge."

For additional information see http://ap.google.com/article/ALeqM5g_nF0ECT_kt76-ICS0SeNhEgDZhOD92IDPLO0, <http://www.ens-newswire.com/ens/aug2008/2008-08-14-095.asp>, http://news.xinhuanet.com/english/2008-08/16/content_9371606.htm, and <http://abclocal.go.com/kfsn/story?section=news/environment&id=6328333>.

International News

Australia: Draft Geothermal Industry Development Framework Released

Details of the Australian Government's \$50m Geothermal Drilling Fund to support "proof-of-concept" projects involving deep drilling have been released.

According to the GDP fact sheet, it aims to:

- accelerate the development of the geothermal industry;
- encourage growth and successful innovation by Australian geothermal companies by increasing the numbers and variety of proofs of concept;
- accelerate the capacity to produce electricity from a variety of sources of geothermal heat energy;
- increase investor or private sector confidence in the geothermal industry;
- firmly establish Australia as the world leader in enhanced geothermal systems; and
- generate national benefit for the Australian economy.

The program provides dollar-for-dollar matching grants up to a limit of \$7 million for eligible geothermal proof-of-concept projects involving deep drilling.

For the Geothermal Drilling Program Fact Sheet, visit http://www.ret.gov.au/energy/Documents/GDP_factsheet_20080813.pdf. For the Geothermal Drilling Program Information Guide, visit http://www.ret.gov.au/energy/energy%20programs/RenewableEnergyFund/Geothermal_drilling_program/Pages/GeothermalDrillingProgram.aspx.

Australia: Code for Reporting of Geothermal Estimates Released

The Australian Code for Reporting of Exploration Results, Geothermal Resources and Geothermal Reserves and its associated Lexicon was released on 20 August 2008 at the AGEG-AGEA Geothermal Energy Conference. This Code is a joint initiative between the Australian Geothermal Energy Group (AGEG) and the Australian Geothermal Energy Association (AGEA).

“The Australian Geothermal Code Committee (AGCC)...was established in 2007 to produce and maintain a methodology for Public Reporting of the estimation, assessment and quantification of Geothermal Resources and Reserves that will promote transparency, consistency and confidence,” the document explains.

To see the introduction to this Code and for download of PDF copies, visit http://www.pir.sa.gov.au/geothermal/ageg/geothermal_reporting_code.

Iceland: U.S. DOE Visits Geothermal Plant During Partnership Workshop

The Geothermal Partnership Workshop, which took place last week in Reykjavik, Iceland, saw the formation of a partnership between the U.S., Iceland, and Australia for the promotion of advanced geothermal technologies (see story, *DOE Partners with Australia and Iceland for Geothermal Technologies*, under **National News**, page 2). While there, members of the DOE took an organized tour of local power plants. Pictures below are taken at the Reykjanes Power Plant.

Ed Wall, recently appointed
Director of the DOE Geothermal
Technology Program Office:



Allan Jelacic, Senior Scientist at the
Geothermal Technology Division, DOE:



Steve Chalk (left), Deputy Assistant Secretary for Renewable Energy at the DOE:



Nevis: Iceland Group to Provide Geothermal Training for Nevisians

Nevis Premier Joseph Parry is looking into professional geothermal studies for interested Nevisians, according to *Caribbean Net News*. Parry made this announcement after a trip to Iceland, where he met with the United Nations University Geothermal Training Programme, a group that has assisted developing countries with geothermal potential since 1979.

Courses that are available from the group in Iceland are Geological Exploration, Borehole Geology, Geophysical Exploration, Borehole Geophysics, Reservoir Engineering, Chemistry of Thermal Fluids, Geothermal Utilization and Drilling Technology. Participants would take the six-month training course in Iceland, then return home to carry out projects on the island. Deputy Director, Ludvik Georgsson told Parry and his delegation that some graduates of these courses have gone on to become leading specialists in geothermal research and development in Africa, Asia, Central America and Eastern Europe, the article stated.

See <http://www.caribbeanetnews.com/news-10106--35-35--.html>.

Philippines: Energy Demand to Double by 2030

Energy Secretary Angelo Reyes of the Philippines presented energy demand projections at an Asian Institute of Management Policy Center conference, according to *inquirer.net*. By 2030, the country's energy demand will almost double, from 28.07 to 51.31 metric tons of oil equivalent, Reyes said.

Reyes said most of the demand, 41.9%, will come from the transport sector. This is followed by residential at 24.5%, industry at 23.6%, commercial sector at 9%, and agriculture the remaining 1.1%.

To meet the demand, the country will need to develop local energy resources, Reyes said. Five petroleum exploration service contracts were awarded last May, projected to save \$1.4 billion in oil import. He also talked about the need to expand geothermal production, mentioning three geothermal service contracts awarded last month. These projects have the potential to result in 100 MW of additional power, or \$77.75 million in savings, the article said.

Visit <http://www.inquirer.net/specialfeatures/power/view.php?db=1&article=20080829-157477>.

Philippines: Ormoc Mayor Speaks on Behalf of EDC Project

Ormoc City Mayor Eric Codilla spoke up about plans for a geothermal power plant in Negros Occidental, according to thenewstoday.info. He vouched for the environmental consciousness of the Energy Development Corporation (EDC), saying he has been a resident of Ormoc for 45 years, with geothermal plants in operation since the 70s.

Codilla said that the cutting of trees is inevitable, but will be restored reforestation projects of the EDC.

"What is good with the geothermal power plant operating in our area is that we have sufficient power supply, even the storms cannot interrupt the power supply sourced from the geothermal power plant. EDC is an expert in geothermal power plants and as an Ormocananon, I could vouch that geothermal power is okay," Codilla said.

See

<http://www.thenewstoday.info/2008/08/29/nothing.to.fear.about.geothermal.power.plant.says.ormoc.mayor.html>.

Russia: Kamchatka Plant to Add 2.5 MW

Engineers in Kamchatka plan to add 2.5 MW of capacity to the Pauzhetskaya geothermal power plant by adding a binary unit, according to russia-ic.com.

See <http://www.russia-ic.com/news/show/6952/>.

Notices and Employment Opportunities

GEA Board Nominations Open

GEA Members are invited to nominate individuals to stand for election to the GEA Board of Directors. Four elected seats will be voted on at the GEA Annual Members Meeting on October 5 in Reno, Nevada.

The Board has appointed a nominating committee composed of Ann Robertson-Tait (art@geothermex.com) John Pritchett (john.w.pritchett@saic.com) and Joe Greco (jgreco@terragenpower.com) who will be meeting next week to prepare a slate of nominees for election to the Board. Members who wish to nominate a candidate can contact Karl Gawell, GEA's Executive Director, by email at karl@geo-energy.org, or any of the members of the nominating committee by email as noted above.

Nominations need to be received by Tuesday, September 9, 2008.

Employment: Senior Geologist, VP Exploration, Sierra Geothermal

Responsibilities:

- o design and manage exploration programs
- o lead new project generation
- o prepare and manage budgets
- o develop geological and resource models
- o site exploration and production/injection wells
- o manage and build the geological team

Requirements:

- o M.Sc. Geology, professional certification status
- o over 10 years proven experience in exploration & development of geothermal resources preferred
- o oil & gas or mining background will be considered
- o strong structural understanding
- o strong geophysical and geological interpretive skills
- o strong computer skills and familiarity with 3D software
- o good multitask management and reporting skills

Location: Vancouver, BC with expected travel to the United States and project sites

Please send resumes to Chris@redfishtech.com.

Nominations for Platt Global Energy Awards (Due September 12)

2008 marks the tenth birthday of the Platts Global Energy Awards—ten years in which the Awards have grown in stature, evolved in quality, and come to be recognized by the energy industry at large as the hallmarks of excellence, the prizes everyone wants to win. The number of awards has grown steadily over the past ten years, from around fourteen annual awards to eighteen today.

Nominations are due before September 12, 2008. Nominate today at www.globalenergyawards.com.

Nominations for Rio Tinto Alcan and the International Business Leaders Forum, Prize for Sustainability (Due September 12)

Rio Tinto Alcan and the International Business Leaders Forum seek nominations for the Rio Tinto Alcan Prize for Sustainability. The prize recognizes organizations demonstrating a comprehensive approach to addressing, achieving and further advancing economic, environmental and/or social sustainability. First prize is \$1 million. Responses due 9/12/08.

For more info, go to: <http://www.alcanprizeforsustainability.com/intro.php>.

Truckhaven Geothermal Leasing Area ROD Available, BLM

Notice of Availability of Record of Decision for the Truckhaven Geothermal Leasing Area Final Environmental Impact Statement, California AGENCY: Bureau of Land Management, Interior.

The BLM has announced the availability of the Record of Decision (ROD) for the Truckhaven Geothermal Leasing Area, Imperial County, managed by the El Centro Field Office. The El Centro Field Manager has signed the ROD, which constitutes the final decision of the BLM.

The appeal period will end 30 days after publication of this notice (Friday, August 1, 2008) in accordance with 43 CFR 4.411(a).

Copies of the ROD are available upon request from the Field Manager, El Centro Field Office, Bureau of Land Management, 1661 S. 4th Street, El Centro, CA 92243 or via the Internet at <http://www.ca.blm.gov/elcentro>. Copies of the ROD are available for public inspection at the following locations:

- Bureau of Land Management, California State Office, 2800 Cottage Way, Suite W-1834, Sacramento, CA 95825.
- Bureau of Land Management, El Centro Field Office, 1661 S. 4th Street, El Centro, CA 92243.
- Bureau of Land Management, California Desert District, 22835 Calle San Juan De Los Lagos, Moreno Valley, CA 92553.

For Further Information Contact: John Dalton, Truckhaven Geothermal Leasing Area EIS Project Manager, at (951) 691-5200, Bureau of Land Management, 22835 Calle San Juan De Los Lagos, Moreno Valley, CA 92553; john_dalton@ca.blm.gov.

Supplementary Information: The Truckhaven Geothermal Leasing Area encompasses approximately 14,731 acres of Federal minerals in western Imperial County, California, north of State Route 78 and generally west and south of County Highway S-22. The area is part of the California Desert Conservation Area. The main issues addressed in the Final EIS were geothermal resource leasing, recreation, and special status species. Three alternatives were analyzed in the Final EIS: (1) No action, which would not lease any geothermal resources; (2) leasing only lands with existing noncompetitive lease applications; and (3) the proposed action, which would offer all BLM managed lands within this area for lease, subject to certain stipulations and mitigation measures to be applied either at lease issuance or at the development stage.

After careful consideration of all factors, including balancing the need for renewable energy, the need to protect biological, cultural and visual values, and the need to maintain areas for recreational opportunities associated with the Ocotillo Wells State Vehicle Recreation Area, the BLM has selected Alternative 3 as the preferred alternative. Some areas will be required by stipulation to unitize as appropriate in order to consolidate production facilities and, thereby, minimize surface impacts. Two power plants are anticipated to be constructed within the planning area, which would involve an initial disturbance of approximately 502 acres. Following construction, approximately 95 acres would be reclaimed, leaving approximately 405 acres disturbed by roads, well pads, pipelines, and the two plants. Various site-specific Conditions of Approval will be imposed at the development stage to protect other resources and uses.

Comments on the Truckhaven Geothermal Leasing Area Draft EIS received from the public and via internal BLM review were incorporated into the Final EIS. These comments resulted in corrections, clarifying text, and the addition of new data used in the analysis of impacts. The Final EIS Truckhaven Geothermal Leasing Area addresses comprehensive, long-range decisions for the use and management of geothermal resources in the planning area and management of other resources and uses potentially affected by geothermal resource management decisions. The ROD for this project addresses only BLM's decisions for public lands and resources administered by BLM.

Truckhaven Geothermal Record of Decision:
<http://www.blm.gov/ca/st/en/fo/elcentro/truckhaven.html>

Truckhaven Geothermal Notice of Availability in the Federal Register:
<http://frwebgate4.access.gpo.gov/cgi-bin/PDFgate.cgi?WAISdocID=620148110373+1+1+0&WAIAction=retrieve>

Truckhaven Geothermal News Announcement:
http://www.blm.gov/ca/st/en/info/newsroom/2008/august/CDDNews0860_NOA_Truckhaven_ROD.html

Employment: Vice President of Business Development, Ormat Technologies

Ormat Technologies has an immediate opening for a full time Vice President of Business Development located in Reno, NV. The ideal candidate will 10+ years in sales, marketing and business development in the energy/renewables industry.

Position Title: Vice President, Business Development
Department: Business Development
Location: Corporate Office
Reports to: President/COO

Position Summary: The Vice President of Business Development is responsible for overseeing the Business Development function in North America.

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
- Ability to 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.

Other Responsibilities

- Provide ongoing training and development to business development team to obtain a high level of performance

Education, Experience and Skills Required

- Bachelor degree, ideally in business or engineering disciplines
- 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

Physical Requirements

- In office: walking and standing 20% of the time, seated 75% of the time
- Ability to stand, walk and sit for varied degrees of time associated with travel

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

Employment: Sales Manager, Ormat Technologies

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

Position Title: Manager of Sales, Geothermal Development

Department: Business Development

Location: Corporate Office Reno, NV

Reports to: Director, Geothermal Development

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

Essential Functions

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

Other Responsibilities

- o Work flexibly within a dynamic, multidisciplinary team.

Education, Experience and Skills Required

- o Minimum of 10 years experience in a similar position.
- o 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.
- o Experience in marketing or application engineering.
- o Experience working directly with customers in a sales organization with strong communication and interpersonal skills.

Physical Requirements

- o Must be able to travel regularly

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

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

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

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

Application at www.ncpa.com, submit to NCPA HR, 651 Commerce Dr., Roseville, CA 95678. Open until filled.

Forseo to Release "Investor's Guide to Geothermal Energy" (end of September)

“The Investor’s Guide to Geothermal Energy” provides a comprehensive and market driven insight into all important aspects of geothermal business and project development. It serves as a practical reference tool for the financial community, for stakeholders from the industry, and for novices to geothermal energy.

Each project stage, from site identification, exploration, site development, power plant construction to operation and maintenance is looked at from an investor’s point of view, including capital costs & cost affecting factors, financing instruments & incentives, associated risks & risk mitigation tools, geoscientific & technology barriers and solutions, and investment opportunities and market drivers.

Recognized experts and leading geothermal companies are sharing their insight to make this publication the first of its kind. Sterr-Kölln & Partner is the main contributor to the content of the publication. The target groups are investors and lenders, project developers, utilities, consultancies, insurance companies and other market players. The publication is endorsed by the IGA (International Geothermal Association) and SEFI (Sustainable Energy Finance Initiative).

For more information please contact Birgit Eggl at birgit.eggl@forseo.de or visit <http://www.forseo.eu/english/publications/the-investor-s-guide-to-geothermal.html>.

Employment: Engineering Manager, Western GeoPower, Inc.

Western GeoPower, Inc. (WGPI) has an immediate opening for a full time Engineering Manager to be located in our Healdsburg, CA office. WGPI is looking for a flexible and entrepreneurial person who can assist in a variety of tasks to grow WGPI into world class renewable power developer/operator. The ideal candidate will possess 5+ years of technical design, project engineering and operational support in the geothermal power industry. Must have geothermal power and experience working in the Geysers and Salton Sea or similar geothermal field. H2S abatement strategies, steam quality, production/injection systems and plant operations are all a plus.

The Engineering Manager will report to the Operations Manager and be responsible for the following key tasks:

- Technical support for Project Permitting
- Technical oversight of the Detailed Engineering Contract (power plant and gathering system)
- Evaluation of Value Engineering and Technical Betterment Projects
- Technical support for Project Construction issues (technical support for WGP's Construction Manager)
- Technical support for New Development Projects
- Technical support for future Plant Operations, Reporting, Plant Optimization, Environmental Compliance, Safety and Training

To apply for the position, please send a Word formatted resume to Redfish Technology
Chris@redfishtech.com.

Requests for Proposals (RFPs)

Request for Renewable Energy, Tucson Electric Power Co. and UNS Electric (September 5)

Tucson Electric Power Company and UNS Electric RFP seek up to 150,000 MWh from eligible renewable energy resources and associated credits to meet Arizona's RPS requirements. Responses due 9/5/08.

For more info, contact Carmine Tilghman at ctilghman@tep.com or go to: <http://www.uesaz.com/Wholesale/>. (Green Power Network 6/7/08)

RFP for Transportation, GHG and Decision Making, National Academy of Sciences (September 9)

The National Academy of Sciences, Transportation Research Board, requests proposals for Incorporating Greenhouse Gas Emissions into the Collaborative Decision Making Process. The objective of this initiative is to develop a transportation project evaluation process to help stakeholders balance the need to reduce delays caused by conflicting demands with the need to produce transportation solutions that support community, economic, and environmental goals. Responses due 9/9/08.

For more info, contact Stephen Andrie at sandrie@nas.edu or go to: <https://www.fbo.gov/?s=opportunity&mode=form&id=92932e54b64e248af4e75a043c53f419&tab=core&cvview=0>. Refer to Sol# SHRP2C09. (FBO 7/31/08)

Request for Comments, Australian Draft Geothermal Industry Development Framework (September 12)

The Australian Federal Government's Draft Geothermal Industry Development Framework (GIDF) was released on 20 August 2008. Comments on the draft Framework can be provided by email to Energy.Profiles@ret.gov.au. Comments are due by Friday 12 September 2008. For background and to download the draft GIDF, visit http://www.ret.gov.au/energy/clean_energy_technologies/energy_technology_framework_and_roadmaps/geothermal_industry_development_framework_and_technology_roadmap/Pages/GeothermalIndustryDevelopmentandTechnologyRoadmap.aspx.

Request for Renewable Energy, Ohio (September 12)

Dayton Power & Light seeks a minimum of 38,000 MWh of eligible renewable energy resources and/or renewable energy certificates (RECs) to meet Ohio RPS requirements. Preference will be given to Ohio-based resources. Responses due 9/12/08.

For more info, contact Shirish Desai at Shirish.desai@dplinc.com or go to <http://www.dplinc.com/>. (Green Power Network 8/15/08)

Request for Renewable Energy, Northern California Power Agency (September 23)

The Northern California Power Agency (NCPA) is accepting proposals for up to 58MW of Eligible Renewable Resources, Landfill Gas supplies, and other renewable energy sources to meet the expected long-term electric power needs of its Members.

This RFP is limited to those parties who currently have rights in, own, or propose to develop Eligible Renewable Resource electric generating facilities, own and operate landfill facilities, or have rights to other renewable energy sources which NCPA may use to develop an Eligible Renewable Resource electric generating facility. Responses due 9/23/08.

For more info, contact Dana Griffith at Dana.Griffith@NCPA.com. (Green Power Network 8/15/08)

RFP for Energy Frontier Research Centers, U.S. DOE (October 1)

The U.S. Department of Energy requests proposals for Energy Frontier Research Centers (EFRCs) to accelerate the rate of scientific breakthroughs needed to create advanced energy technologies for the 21st century. The EFRCs will pursue the fundamental understanding necessary to meet the global need for abundant, clean, and economical energy. Through this initiative, DOE seeks to bring together the skills and talents of multiple investigators to enable fundamental research of a scope and complexity that would not be possible with the standard individual investigator or small group research project. \$500 million expected to be available, up to 50 awards anticipated.

Responses due 10/1/08. For more info, contact Emiela Bradford at emiela.bradford@ch.doe.gov or go to: <https://e-center.doe.gov/iips/faopor.nsf/UNID/933104E42D0185E58525742100694C78?OpenDocument>. Refer to Sol# DE-PS02-08ER15944. (Grants.gov 4/4/08)

RFP for Early Stage Clean Energy, New York State Energy Research and Development (October 1)

The New York State Energy Research and Development Authority requests proposals for Early Stage Support for Developers of Renewable and Clean Energy Technologies. Through this initiative, NYSERDA

seeks to create sustainable support networks and infrastructure for early stage renewable and clean energy technology companies and entrepreneurs and provide them with critical opportunities to facilitate partnerships and develop or market products. \$5.77 million expected to be available, individual awards NTE \$1.5 million. Responses due 10/1/08.

For more info, contact Judy Jarnefeld at jj1@nysesda.org or go to: <http://www.nysesda.org/Funding/1216pon.asp>. Refer to PON# 1216.

RFP for Renewable Energy Resources, Public Service Company of New Mexico (October 15)

PNM issued a request for proposals (RFP) for renewable energy projects on July 18, 2008. The RFP is seeking multiple proposals for wind, solar, geothermal and biofuel energy resources. PNM is seeking renewable energy sources that can be available beginning in 2009 and no later than 2011. A prebid conference will be held at the PNM downtown office in Albuquerque and via teleconference on July 30, 2008. RFP Responses due October 15.

All inquiries and other communications relating in any manner to this RFP must be directed in writing, by mail, facsimile or email, to the PNM RFP administrator. The questions and corresponding answers (without identification of the party asking the questions) will be emailed to all parties that have provided a Notification of Intent to Respond ("Notification") to this RFP. Contact information is provided below.

RFP Administrator
Public Service Company of New Mexico
Alvarado Square MS 1006
Albuquerque, N.M., 87158-0001
Phone: 505-241-4700
Fax: 505-241-2202
Email: renewableRFP@pnm.com

The entire RFP can be found at http://www.pnm.com/rfp/renewables/docs/rfp_renewables.pdf.

RFP for Industrial Energy Efficiency Programs, U.S. DOE (October 16)

The U.S. Department of Energy requests proposals for Save Energy Now: State, Regional and Local Delivery. This initiative will support the development and delivery of industrial energy efficiency programs implemented at the local, state and/or regional level. \$9.5 million expected to be available, up to 16 awards anticipated. State and Territorial Energy Offices must be the lead applicant. A Letter of Intent is requested but no required and is due 9/15/08.

Final proposals due 10/16/08. For more info, contact Margo Gorin at ITP_State@go.doe.gov or go to <https://e-center.doe.gov/iips/faopor.nsf/UNID/6033DD40BB42CF468525749600668DC3?OpenDocument>. Refer to Sol# DE-PS36-08GO98033. (Grants.gov 7/30/08)

RFP for Global Climate Change Modeling and Early Career Projects, U.S. EPA (October 21)

The U.S. Environmental Protection Agency requests proposals, under a joint solicitation, for 1) Adaptation for Future Air Quality Analysis and Decision Support Tools in Light of Global Change Impacts and Mitigation, and 2) Early Career Projects. Through this initiative, EPA seeks the development of modeling capability to provide: Insights to the air quality planning community; a capability to account for uncertainty and variability in the projections of a future world that includes global change and; an evaluation of the robustness of predictions made with improved tools when applied to relevant scientific

and policy questions. This research must link from local to the global scale and back for predictions out to 40 years into the future. Additionally, this initiative includes the opportunity for early career projects. \$5 million expected to be available, up to 7 awards anticipated. Responses due 10/21/08.

For more info, contact Bryan Bloomer at bloomer.bryan@epa.gov or go to http://es.epa.gov/ncer/rfa/2008/2008_star_adaptation.html. Refer to Sol# EPA-G2008-STAR-J1 and EPA-G2008-STAR-J2. (Grants.gov 7/22/08)

RFP for Global Climate Change Education, NASA (October 24)

The National Aeronautics and Space Administration (NASA) requests proposals for the Global Climate Change Education (GCCE) project. The GCCE is designed to improve the quality of global climate change and Earth system science education at the elementary, secondary, and undergraduate levels. Funded projects are expected to take advantage of NASA's contributions in climate science to enhance students' academic experiences and/or to improve educators' abilities to engage and stimulate their students. Up to 24 awards anticipated, award range \$150K to \$500K. A Notice of Intent is required and is due 8/29/08, final proposals due 10/24/08.

For more info, contact Diane Clayton at diane.clayton-1@nasa.gov or go to <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId=%7bA0A2FB8B-E96B-7579-5530-2709EE450F3F%7d&path=open>. Refer to Sol# NNH08ZNE005N. (Grants.gov 7/18/08)

Request for Renewable Energy, Massachusetts (December 1)

Taunton Municipal Lighting Plant seeks up to 260,000MWh per year of energy and dependable capacity starting in the calendar year 2009 from eligible renewable resources to meet the Massachusetts RPS requirements. Responses due 12/1/08.

For more info, contact Scott Whittemore at Renewables@TMLP.com or go to <http://personal.tmlp.com/tmlpresp/RFP08-01-renewable-resource/>. (Green Power Network 7/28/08)

RFP for Climate Change and Sustainability Conferences, EPA (December 9)

The U.S. Environmental Protection Agency has issued a Broad Agency Announcement for Conferences, Workshops, and/or Meetings. EPA seeks applicants for the planning, arranging, administering and/or conducting of conferences and workshops in areas including, but not limited to: Economics and sustainability; air and global climate change; and technology. \$500K expected to be available, up to 15 awards anticipated. Proposals due 12/9/08.

For more information, contact Bernice Smith at smith.bernicel@epa.gov or go to http://es.epa.gov/ncer/rfa/2008/2008_baa.html. Refer to Sol# EPA-C2008-BAA. (Grants.gov 12/6/07)

RFP for Energy Efficiency, Renewable Energy, and Transmission Technologies, DOE (December 31)

This solicitation announcement (DE-PS01-08LG00001) invites the submission of applications for loan guarantees under Title XVII of the Energy Policy Act of 2005, 22 U.S.C. 16511-16514 ("Title XVII"), from the United States Department of Energy in support of debt financing for projects in the U.S. that employ energy efficiency, renewable energy, and advanced transmission and distribution technologies that constitute New or Significantly Improved Technologies. This Solicitation is issued in accordance with the terms and conditions of Title XVII and the Final Regulations. All applicants are encouraged to review and become familiar with the requirements of Title XVII and the Final Regulations, the provisions of which govern this Solicitation; copies of these authorities may be found at <http://www.lgprogram.energy.gov/>.

DOE will make no more than \$10 billion in loan guarantee authority available under this Solicitation for projects employing energy efficiency, renewable energy and advanced transmission and distribution technologies that constitute New or Significantly Improved Technologies. The Department's authority to issue this amount of loan guarantees was provided by the Consolidated Appropriations Act, 2008, P.L. No. 110-161 (the "FY08 Appropriations Act"). Under the terms of the FY08 Appropriations Act, the availability of this loan guarantee authority expires on September 30, 2009.

Project Types

DOE is actively promoting projects that fall within the following three general but distinct project type categories: (1) manufacturing projects, (2) stand-alone projects, and (3) large-scale integration projects that may combine multiple eligible renewable energy, energy efficiency and transmission technologies in accordance with a staged development scheme. The applicant is requested to specify which, if any, of the below project types and technology categories most accurately represents its project:

Technology Categories

DOE will consider projects derived from the list of technology categories identified below and which fall within one of the three distinct project types described above. Attachment E provides an illustrative list of technologies potentially constituting New or Significantly Improved Technologies that fall within each of these technology categories.

Category 1: Alternative Fuel Vehicles

Category 2: Biomass

Category 3: Efficient Electricity Transmission, Distribution and Storage

Category 4: Energy Efficient Building Technologies and Applications

Category 5: Geothermal

Category 6: Hydrogen and Fuel Cell Technologies

Category 7: Energy Efficiency Projects

Category 8: Solar

Category 9: Wind and Hydropower

To the extent an applicant has questions relating to the application process at any time prior to submission of its application to DOE, the applicant may set forth its question in an email to the LGPO at lgprogram@hq.doe.gov. Please include in the subject line "RETDEE Solicitation Question." Completed applications must be submitted to DOE electronically through the Fed Connect website located at www.fedconnect.net no later than 11:59 pm (ET) on Wednesday, December 31, 2008.

The full announcement can be found at <http://www.lgprogram.energy.gov/keydocs.html>.

Upcoming Events

Geothermal Heating and Cooling Seminars, September 8–11 (Washington, D.C.)

HeatSpring Energy holds geothermal seminars for building professionals and will be hosting seminars in Washington, DC in September.

Geothermal Heating and Cooling Systems

Location TBA

Washington, DC

September 8, Introduction to Geothermal Systems (8 hours)

September 9, Design Overview (Residential focus) (8 hours)

September 10, Commercial Closed Loop Design (8 hours)

September 11, Commercial Open Loop Design (8 hours)

https://www.heatspring.com/catalog_.php

Arizona Geothermal Working Group Meeting, September 19 (Tucson, AZ)

Join us at the Reid Park Zoo's new Platinum LEED facility (1030 South Randolph Way) to learn about the latest local and national activities in geothermal energy development. Agenda topics will include an assessment of Arizona's carbon sequestration potential, Western Governors' Association's Western Renewable Energy Zone Initiative, project updates and more! Look for an agenda soon.

Brita Climate Ride, September 20–24 (New York to D.C.)

Seeking participants from all sectors of renewable energy.

On the eve of the elections, one hundred Climate Riders will cycle from New York City to Washington DC to make a powerful statement about the need for renewable energy legislation and climate change awareness.

Join fellow Climate Riders for a beautiful ride that begins in the urban landscape of Manhattan, then meanders through rural New Jersey, Pennsylvania, and the equine estates of Maryland to the ride finale in Washington, DC. Along the way, expert speakers meet our cyclists each evening to discuss climate science, green technology, and how to reduce our carbon footprint. Meet people committed to resolving the climate crisis, make your voice heard, and benefit an important cause—all on an unforgettable vacation!

To learn more about Climate Ride and our beneficiaries, visit www.ClimateRide.org, or email info@climateride.org.

Featured Event: GEA Geothermal Issues and Outlook Workshop, October 4 (Reno, NV)

Fee: \$150 nonmembers, \$75 GEA–GRC members or government/nonprofit employees. Fee includes refreshments, breakfast and lunch. Participation will be limited to 150 people.

A day-long series of expert presentations and panel discussions examining the status, outlook and issues specific to geothermal energy raised by both federal and state initiatives in each of these topic areas:

- 2009 Federal Outlook for Climate Change, Renewable Energy and Geothermal
- State and Regional Transmission Initiatives and Policies
- Federal Tax Incentives: extensions and emerging proposals
- Federal and State Leasing and Permitting
- Geothermal Resource Assessment, Research and Technology Development
- RPS Legislation and Regulations

Presentations and Panels on these critical subjects will be made by leading state and national experts, including:

- Ryan Pletke, Black and Veatch*
- John McCaull, GEA Western States Representative
- Karl Gawell, GEA
- Jonathan Weisgall, MidAmerican Energy
- Curt Rich, Van Ness Feldman*
- Bob Epstein, Environmental Entrepreneurs *
- Ann Notthoff, NRDC*
- Jerry Fish (or Chris Heaps) and John McKinsey, Stoel Rives LLP
- Sheridan J. Pauker, Wilson, Sonsini, Goodrich and Rosati
- Kermit Witherbee, BLM
- Tracy Parker, U.S. Forest Service*
- Paula Blaydes, Western GeoPower
- Dr. Colin Williams, USGS

- o Ed Wall, U.S. DOE
- o William Glassley, CGEC, formerly CEC
- o Lisa Shevenell, UNR Great Basin Center
- o V. John White, CEERT*
- o Jan-Smutney Jones, IEP*
- o And others

For information or to register, go to www.geo-energy.org, or contact Daniela Stratulat at 202-454-5241 or email Daniela@geo-energy.org.

GEA Annual Members Meeting, October 5, 2008

All GEA Members are invited to The 2008 Annual Members Meeting of the Geothermal Energy Association. It will be held at Noon on Sunday, October 5, 2008 at the Peppermill Resort and Hotel in Reno, Nevada. The meeting will review GEA activities in the past year, elect members to the Board of Directors, and discuss priorities for the year ahead. For more information about the meeting, contact Karl Gawell by email at karl@geo-energy.org, or by phone at 202-454-5264.

Featured Event: Geothermal Energy 2008 Conference and Expo (formerly GEA Trade Show and GRC Annual Meetings), October 5–8 (Reno, NV)

GEA's annual Geothermal Energy Expo (formerly known as GEA Trade Show) brings out the geothermal community for a few days of everything geothermal. Come mingle with the geothermal community in one hall while viewing the world's largest gathering of vendors providing support for geothermal resource exploration, characterization, development, production, and management. Expo exhibitors have a unique opportunity to showcase their products, services, and state of the art technologies to the geothermal community.

**Please note, booth space for the Expo is sold out.

For more information please visit our Expo website: http://www.geo-energy.org/2008_ts/index.htm

To register to attend the Expo please fill out online application at http://www.geo-energy.org/2008_ts/visitors.html. The cost for visitors to the Expo Hall will be \$35 per person per day. Payment will be due on site.

Sponsorship Opportunities: http://www.geo-energy.org/2008_ts/spn_opprtn.html and http://www.geo-energy.org/2008_ts/spn_ts.html

Current Sponsorship List: http://www.geo-energy.org/2008_ts/spn_list.html

In tandem with the Geothermal Energy Expo is the Geothermal Energy Conferences hosted by the Geothermal Resources Council (GRC). GRC Conference participants interface with exhibitors to learn about innovative developments and applications, while exchanging valuable ideas. For more information about the Geothermal Energy Conferences, please visit GRC's website at: www.geothermal.org.

With any questions, please contact Kathy Kent at 202.454.5263, email: kathy@geo-energy.org

NZ Geothermal Workshop & NZGA Seminar 2008, November 11–13 (Taupo, New Zealand)

The NZ Geothermal Workshop will be held November 11–12 and the New Zealand Geothermal Association Seminar 2008 will be held on November 13. Both events will take place at the Great Lake Centre in Taupo, New Zealand.

The events mark the 30th anniversary of the Geothermal Workshop, which is New Zealand's longest running energy conference. This year's workshop will celebrate New Zealand's people and past achievements as well as the exciting future of geothermal energy use around the world. Particular focus will be on New Zealand's contributions to the research, education, and development of geothermal energy.

NZ Geothermal is calling for papers related to the history of achievement and the future potential of geothermal energy as well as paper on all aspects on Wairakei. The paper deadline is August 25 and must be submitted via email to geothermal08@auckland.ac.nz.

Workshop registration began June 1 and online registration will continue until November 4. Discounted rates will be available until early registration closes on October 12.

For more information or to register, please visit <http://www.nzgeothermal08.com/nzgeothermal/index.cfm>.

XVI Annual Congress of the Mexican Geothermal Association, November 14 (Morelia, Mexico)

The XVI Annual Congress of the Mexican Geothermal Association (AGM: Asociación Geotérmica Mexicana) will take place in the city of Morelia, Mexico, on November 14.

The AGM is calling for papers related to geothermics. Please send abstracts to Luis Gutiérrez-Negrín (luis.gutierrez@geotermia.org.mx) before July 25. Ten to twelve papers will be selected for oral presentation during the congress. Papers and presentations can be in Spanish or English.

The AGM is the Mexican association affiliated to the International Geothermal Association (IGA) It holds an annual technical congress and a general assembly, restricted to its membership, usually in a city of Mexico related to geothermics. The events are cosponsored by the geothermal division of the Comisión Federal de Electricidad, whose headquarters is in Morelia.

For more information, please visit the AGM Web site (<http://www.geotermia.org.mx>), and/or send a message to Luis Gutiérrez-Negrín.

Geothermal Finance & Investment Summit, November 17–19 (Palm Springs, CA)

The United States Department of Energy's Edward J. Wall, of the DOE's Geothermal Technology Program Office, will keynote the Geothermal Finance & Investment Summit. The conference will look into geothermal developer perspectives, geothermal transmission, investment perspectives on geothermal energy and challenges faced in the geothermal energy community. This is a great opportunity to learn more about geothermal investment.

Many renewable energy project developers—and investors—are looking to the DOE for a range of issues. Mr. Wall is expected to provide answers and clarity to these market players.

Interest in geothermal development has never been higher—evidenced by the record 400% increase in land lease prices garnered earlier this month at auction by the Bureau of Land Management—as everyone searches for the next big play in renewable energy.

Mike Olson of the U.S. Department of Interior and Kermit Witherbee of the Department of Interior/Bureau of Land Management will also address the summit on issues of the backlog of land leases and the royalty framework. Both issues are considered critical to geothermal energy projects.

As an annual event, the Geothermal Finance & Investment Summit is one place where developers, investors, power purchasers, technology experts and other players are turning to find out where, when and what geothermal projects will happen in the coming year.

Also scheduled to appear:

- Mike Marelli, Manager of Contract Origination & Analysis, Renewable & Alternative Power Department, Southern California Edison, and David Lewis, Director—Competitive Solicitations, Pacific Gas & Electric;
- John C.S. Anderson, Senior Managing Director, John Hancock Financial Services, and Rohan Singh, Vice President, HSH Nordbank;
- John Eber, Managing Director—Energy Investments, JPMorgan Capital Corp.; and Martin Torres, Associate, Morgan Stanley Capital Markets
- Gary Thompson, President & CEO, Sierra Geothermal Power Corp.

Utah Geothermal Lease Sale, BLM, November 18

The Utah State Office has scheduled a proposed competitive geothermal lease sale. The proposed sale will be held in conjunction with the oil and gas lease sale on November 18, 2008.

If you have questions regarding this notice, please call Judy Nordstrom at 801-539-4108; facsimile at 801-539-4200; write to attention at the address on this letterhead; or send electronic mail to judy_nordstrom@blm.gov.

More information available at <http://www.blm.gov/ut/st/en/prog/energy/geothermal0.html>.

2nd African Rift Geothermal Conference, November 25–29 (Entebbe, Uganda)

The second International Geothermal Conference on the African Rift will be held in Entebbe, Uganda. The conference is designed as a forum for the exchange of information on the African Rift Geothermal Resources and for discussion of the current state of scientific knowledge and understanding of all aspects of exploration and development of geothermal resources, including exploration, field and conversion technology, design and construction, environmental considerations, financial, marketing, and operational aspects.

The Scientific Program of the conference consists of Plenary Lectures, Poster presentations, Workshop and Field Trips. The structure and the list of sessions below are preliminary. A number of Keynote addresses will be given by eminent scientists, on subjects relevant to the main themes of the conference (as indicated in this circular). Lectures will be open to all participants and will take place in a large conference hall.

The following will be the themes for oral and poster sessions:

- Session 1: Exploration: Geology, Geophysics, Geochemistry, and Hydrology
- Session 2: Drilling and well design: Shallow and deep, Production and Injection
- Session 3: Field development, Production Technology, Power generation & Operation.
- Session 4: Reservoir Engineering: Well Testing, Injection, and Modeling
- Session 5: Case Histories
- Session 6: Economics and Financing
- Session 7: Environmental, Social, Legal and Institutional Aspects
- Session 8: Direct Use: Agri- and aquaculture, Mineral extraction, Manufacturing, Air conditioning etc.

Contributions

The organizers of ARGeoC2 welcome submission of titles/extended abstracts for oral and poster presentations from all geoscientists, engineers and others involved in geothermal resources exploration and development. Authors may submit papers for publication only, or for presentation and publication in “The Conference Proceedings.” Papers may be selected for presentation in a technical session, or poster session. Selection of papers for presentation will be based on subject material suitability, professional standards of writing, and quality of the illustrations. Time allotted for oral presentations will be 15 minutes each, with an additional 5 minutes for discussion. Oral presentations will be illustrated with LCD Projector in PowerPoint.

For more information and to register, contact Department of Geological Survey and Mines, Plot 21–29, Johnstone Road, P.O Box 9, Entebbe, Uganda. Phone: +256 712 812231, +256 712 835843, +256 773 129941. Fax: +256 414 320364. E-mail: argeoC2@minerals.go.ug or bahati@minerals.go.ug.

RETECH Renewable Energy Technology Conference & Exhibition, February 25–27, 2009 (Las Vegas, NV)

RETECH 2009 is expected to be the largest all-renewables gathering in the U.S. in 2009, with an attendance of over 5,000 people. The event is planned to increase in scale in coming years to 10,000 attendees and 500 exhibitors, which will make it the largest event of its kind worldwide.

Packed with a full-scale Trade Show with press conferences and product launches, an exciting six-track Business Conference, and RETECH Side Events, RETECH 2009 will offer educational and networking opportunities for a wide range of participants. RETECH is managed by ACORE and Partnering Organizations.

RETECH 2009 will be held at the Las Vegas Convention Center in Las Vegas: 3150 Paradise Road, Las Vegas, NV 89109

Visit <http://www.retech2009.com/> for more information.

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

The Renewable Energy World Conference & Expo North America (formerly POWER-GEN Renewable Energy & Fuels) has a proven track record—now in its 6th year— as renewable energy's leading conference. It offers abstract-selected participants the recognition of a worldwide audience on sessions related to technology, markets, business strategies and policy covering the wind, solar, biomass, hydro, geothermal, ocean/tidal/wave, bio-power, biofuels hydrogen and fuel cell sectors. There has never been a better time to be a part of the exciting, ever-growing world of renewable energy!

The Geothermal Energy Association will be cosponsoring this event, with panels on geothermal energy soon to come.

For more information and to register, visit <http://rewna09.events.pennnet.com/fl/>.

Canadian Geothermal Energy Association Conference and AGM, April 16–17, 2009, (Vancouver, B.C.)

The Canadian Geothermal Energy Association (CanGEA) announces their Conference and AGM on April 16–17, 2009 in Vancouver, B.C.

CanGEA's also announces its corporate members website is up and running. Corporate members have access to job postings, committee information (progress, research), presentations, and business opportunities (international JVs, work up for bid, or other geothermal prospects).

Updated library of links and pdfs of Canadian geothermal research papers and documents (from multiple resources), reserves (geothermal energy potential, estimates for Canada), and online advertising opportunities will soon be available.

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



GEA Update

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