



GEO THERMAL ENERGY ASSOCIATION

209 Pennsylvania Avenue SE, Washington, D.C. 20003

Phone: (202) 454-5261 Fax: (202) 454-5265

www.geo-energy.org

GEA Weekly Update July 7, 2008

National News.....	2
DOE Announces Solicitations for \$30.5 Billion in Loan Guarantees.....	2
G-8 Summit Leads to Debate on Climate Change Strategy.....	2
Company News.....	3
Ormat Secures Contract for New Zealand Geothermal Plant.....	3
Raser Technologies Receives Power Generation Units for New Mexico Project.....	4
Nevada Geothermal Power Updates Status of Senior Secured Credit Facilities.....	4
Renewable and Climate Change News.....	5
BLM Reverses Earlier Call to Hold Solar Lease Applications.....	5
Global Investment in Renewable Energy Surges.....	5
Western Governors Plan Climate Change Initiative for Next President.....	6
International News.....	6
Australia: Geothermal Power Plant Planned for Western Queensland.....	6
Djibouti: New Investment Group Joins REI Geothermal Project.....	6
Tanzania: Geothermal Drilling Ready to Begin.....	7
Notices and Employment Opportunities.....	7
Financial Assistance Funding Opportunity Announcement, U. S. Department of Energy National Energy Technology Laboratory (Applications Due July 10).....	7
Nicaraguan Energy Ministry Seeks Offers to Develop San Cristobal Volcano (Bids Due July 31).....	8
Release of Forseo's "Investor's Guide to Geothermal Energy" (August).....	9
FOA, U.S. DOE, Enhanced Geothermal Systems Research, Development, and Demonstration (Applications Due August 12).....	9
Rio Tinto Alcan and the International Business Leaders Forum, Prize for Sustainability (Responses Due September 12).....	10
Federal Loan Guarantees for Projects that Employ Innovative Energy Efficiency, Renewable Energy, and Advanced Transmission and Distribution Technologies (Applications Due December 31).....	11
Engineering Manager, Western GeoPower, Inc.....	12
Requests for Proposals (RFPs).....	12
RFP for Partnerships for a Clean and Sustainable China, U.S. DOE (July 11).....	12
RFP for U.S. and China Clean Energy Partnership, U.S. Agency for International Development (July 17).....	12
RFP for Renewable Energy Certificates, Defense Energy Support Center (August 4).....	13
RFP for Renewable Energy, Arizona Public Service (August 13).....	13
RFP for Renewable Energy, Tucson Electric Power Co. and UNS Electric (September 5).....	13
RFP for Energy Frontier Research Centers, U.S. DOE (October 1).....	13
RFP Climate Change and Sustainability Conferences, U.S. EPA (December 9).....	14
Upcoming Events.....	14
2008 Reznick Group Renewable Energy Business Symposium—The Crossroads of Technology and Finance in Renewable Energy, July 14–16 (Denver, CO).....	14
GEA "Geothermal 101" Workshop, July 23 (Ritz-Carlton @ Battery Park, New York City).....	15
FREE Geothermal Energy Webcast Featuring Prominent Keynote Speakers (July 23).....	16
California Geothermal Summit, California Geothermal Energy Collaborative, July 30 (Embassy Suites Hotel, Sacramento, CA).....	16
11th Annual Congressional Renewable Energy, Energy Efficiency EXPO, and Forum, Sustainable Energy Coalition, July 31 (Washington, DC).....	17

Geothermal Technologies Workshop, Western Area Power Administration, August 11-12 (Everett, WA)	18
Renewable Energy Philippines 2008, August 28–30 (Manila, Philippines)	18
GEA Trade Show/GRC Annual Meeting, October 5–8 (Reno, NV)	19
XVI Annual Congress of the Mexican Geothermal Association, November 14 (Morelia, Mexico)	19
2nd African Rift Geothermal Conference, November 25–29 (Entebbe, Uganda)	20

National News

DOE Announces Solicitations for \$30.5 Billion in Loan Guarantees

Highlights from Press Release—June 30, [DOE Announces Solicitations for \\$30.5 Billion in Loan Guarantees](#)

The U.S. Department of Energy (DOE) today announced three solicitations for a total of up to \$30.5 billion in federal loan guarantees for projects that employ advanced energy technologies that avoid, reduce or sequester air pollutants or greenhouse gas emissions.

In a Fiscal Year (FY) 2008 loan guarantee implementation plan sent to Congress in April, DOE outlined plans to issue its second round of solicitations concurrently no later than June 2008 for energy efficiency, renewable energy and advanced transmission and distribution projects (up to \$10 billion); nuclear power facilities (up to \$18.5 billion); and advanced nuclear facilities for the “front-end” of the nuclear fuel cycle (up to \$2 billion). Later this summer, DOE intends to issue a solicitation for loan guarantee applications for advanced fossil energy projects (up to \$8 billion).

“Loan guarantees from the Department will enable project developers to bridge the financing gap between pilot and demonstration projects to full commercially viable projects that employ new or significantly improved energy technologies,” Jeffrey F. Kupfer, the Acting Deputy Secretary of Energy, said.

Selection criteria for the clean energy projects under these solicitations will focus on a project’s ability to avoid, reduce or sequester air pollutants or greenhouse gas emissions; the speed with which the technologies can be commercialized; the prospect of repayment of the guaranteed debt; and the potential for long-lasting success of these technologies in the marketplace.

Applications for fiscal year 2008 are due on or before December 31, 2008. See announcement under **Notices and Employment Opportunities** for more information.

For press releases from the Department of Energy, visit http://www.energy.gov/news/press_releases.htm.

G-8 Summit Leads to Debate on Climate Change Strategy

This year’s G-8 summit began today in Japan and the issue of climate change quickly emerged as a key topic as the head of the European Commission called on leaders of the world’s wealthy nations to be the first to act in setting targets to reduce greenhouse gases, according to an International Herald Tribune article.

Debate circled around which nations should take more actions to curb global warming. Leaders of China and India, both major emitters of greenhouse gases, say that although they are interested in lowering their emissions, it is up to the developed countries to take the lead in the fight against global warming, the article said. While on the other end of the spectrum, George W. Bush continues to call on developing nations to be held to the same emission-reduction standards as the developed nations.

"I've always advocated that there needs to be a common understanding and that starts with a goal. And I also am realistic enough to tell you that if China and India don't share that same aspiration, that we're not going to solve the problem," Bush told the press.

According to the article, the G-8 nations contribute 40 percent of global carbon dioxide emissions. Jose Manuel Barroso, European Commission President, told the press that the G-8 nations must reach agreement among themselves on climate change measures and avoid taking the approach that "I will do nothing unless you do it first," which he called a "vicious circle."

For the complete article, visit <http://www.iht.com/articles/ap/2008/07/07/asia/AS-G-8-Climate-Change.php>.

Company News

Ormat Secures Contract for New Zealand Geothermal Plant

Press Release—July 1, [Ormat Technologies Secures a \\$42 Million Contract for a Geothermal Power Plant in New Zealand](#)

Ormat Technologies, Inc. (NYSE: ORA) today announced that two of its subsidiaries entered into a supply contract and a construction contract with Contact Energy LTD of New Zealand for Centennial Binary Plant, a new geothermal power plant that is to be constructed in the Tauhara Geothermal Field in New Zealand. The contracts are valued at a total of approximately \$42 million and construction of the power plant is expected to be completed within 23 months from the contract date.

Contact Energy is New Zealand's largest geothermal power plant owner and operator as well as the country's largest wholesaler and retailer of natural gas and LPG. Contact Energy generates about 28% of the country's total electricity capacity, including approximately 27% of the retail electricity market share and supplies electricity and gas to around 635,000 customers across New Zealand. Contact Energy already has one operating geothermal binary power plant that was supplied by Ormat in 2005

Ormat has been actively designing and supplying geothermal power solutions in New Zealand since 1986. The Centennial plant will mark the twelfth geothermal power plant with total capacity of over 250 MW erected in the country by Ormat. The new plant will use air-cooled condensers and will allow 100% geothermal fluid reinjection, which serves both to sustain the reservoir and to produce electrical power with virtually no environmental impact. The geothermal power plant utilizes the hi-performance, hi-efficiency organic turbine developed by Ormat for geothermal and recovered-energy applications.

Dita Bronicki, CEO of Ormat Technologies, said, "We are very pleased to receive this repeat contract from Contact Energy and are excited for the opportunity to once again work with the company's geothermal team. The award of these contracts demonstrates the trust that Contact Energy has in our ability to contribute experience and knowledge to the development of this new geothermal field, and we are looking forward to delivering a great performing power plant on schedule."

Ms. Bronicki concluded, "These contracts increase our geothermal products backlog by \$58 million for the second quarter and \$134 million since the beginning of the year, including \$50 million that is still subject to notice to proceed. We view this milestone as a demonstration of the effectiveness and reliability of Ormat's solutions and it further reinforces the applicability of our renewable energy solutions to the world electricity markets."

For press releases from Ormat, visit <http://www.ormat.com/news.php?did=137>.

Raser Technologies Receives Power Generation Units for New Mexico Project

Press Release—July 2, [Raser Receives First Power Generation Units for New Mexico Project](#)

Raser Technologies, Inc. today announced that it has begun taking delivery of the UTC Power, a United Technologies Company, geothermal power generating units ordered for the first commercial scale geothermal power plant to be built in the state of New Mexico. The New Mexico site is a well studied, known geothermal resource which has provided direct use geothermal fluids to a local greenhouse operation for many years.

Additionally, it is anticipated that a UTC generation unit will be installed and operational in the greenhouse facility in the next two weeks by the local greenhouse owner. "This pilot installation will give UTC and Raser valuable early operational information during hot summer months, using the water from this specific geothermal resource," stated Steve Brown, Raser's Executive Vice President of Construction.

Raser's New Mexico project is located on approximately 2,500 acres. The surface area is privately owned by the greenhouse owner and leased to Raser in conjunction with a BLM geothermal lease for the resource. Recent flow tests of previously drilled well 55-7 indicate temperatures of 308 degrees F. Raser's geothermal plant is planned to have a gross generation capacity of approximately 14 megawatts (MW) when configured under Raser's proprietary geothermal power plant design. The project with its 50 UTC modular generation units is expected to produce net generation between 10 and 11 MW or enough electricity to power approximately 5,500 homes in the Phoenix area. Net generation takes into account the station usage or parasitic load needed to pump the geothermal fluids throughout the plant. It is expected that power generation during the cooler months will exceed generation during the warmer months.

Raser recently announced that it had entered into a power purchase agreement with the Salt River Project Agricultural Improvement and Power District (SRP), the third largest public power utility in the nation, to start delivering up to 10 MW of the clean renewable energy from its Lightning Dock plant in Hidalgo County, New Mexico by December 2008.

Richard Clayton, Raser's Executive Vice President, discussed the importance of geothermal power and energy, saying, "Geothermal power from the UTC binary closed loop plants provides a reliable base load energy resource to utilities with zero emissions and the least intrusive impact to the environment. Raser has long stated its belief in the need for more, clean, non-polluting electricity. We are especially pleased to develop the first commercial geothermal power plant in the state of New Mexico on this promising resource."

The project area was purchased by Raser in 2007 and has been a site of considerable study and well drilling activity for many years. Mr. Clayton concluded, "It is great to see this resource being developed. Raser's rapid deployment strategy and construction methods combined with a wonderful, proven resource will provide much needed and timely electricity for an energy starved region of our country."

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

Nevada Geothermal Power Updates Status of Senior Secured Credit Facilities

Press Release—July 3, [Nevada Geothermal Power Updates Status of US\\$145 Million Senior Secured Credit Facilities for the Construction of 49.5 MW Blue Mountain Geothermal Power Plant](#)

Nevada Geothermal Power Inc. (NGP) today updated the status of the US\$145 Million Senior Secured Credit Facilities for the construction of the 49.5 MW Blue Mountain Faulkner I project in Nevada. The loan facility has been increased to US\$145 million from US\$140 million to provide contingency funds for the construction of NGP's geothermal power project in Nevada.

The banking syndicate led by Morgan Stanley and Glitnir Capital Corp. continue with their due diligence and documentation for the loan, which is expected to close over the next several weeks. NGP continues to work with Ormat Technologies to maintain project timelines and terms.

Blue Mountain, located 30 km (20 miles) west of the town of Winnemucca, Nevada. Phase 1 at Blue Mountain is expected to commence power generation in late 2009.

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

Renewable and Climate Change News

BLM Reverses Earlier Call to Hold Solar Lease Applications

The Bureau of Land Management has called off a May decision to hold applications to build solar plants, according to an AP news article. The decision had been opposed by industry officials, environmental groups, and political figures, prompting BLM to respond by allowing applications to continue while performing an environmental impact report on solar plants.

BLM had wanted to halt applications until the report was complete in May 2010, but announced a reversal of the decision.

The solar industry reacted that BLM was already slow in processing the applications, other industries would take the land in the meantime, and that investment in the industry would suffer, the article said.

The report will include Arizona, California, Colorado, Nevada, New Mexico, and Utah.

For the complete story, visit

<http://ap.google.com/article/ALeqM5iExnDc6JtBahwnAVhIreGyjciHOOD91M00H83>.

Global Investment in Renewable Energy Surges

According to a United Nations agency, global investment in renewable energy jumped about 60 percent to \$148 billion in 2007 leading many to call it a “green gold rush,” stated an uk.reuters.com article. The UN Environmental Programme released its Global Trends in Sustainable Energy Investment 2008 report on Tuesday, citing that investments in energy sources like wind, solar, and biofuels rose three times faster than it had originally predicted.

According to the report, clean energy accounted for 23 percent of all new installed capacity in 2007 and public investment in renewable energy via the markets more than doubled to \$23.4 billion, up from \$10.6 billion in 2006.

Although most of the new investments came from the United States and the European Union, China, India, and Brazil also brought in \$26 billion last year. Now, those three developing countries account for 22 percent of all new renewables investment, the article said.

The renewable energy sector is expected to grow to \$450 billion in 2012 and up to \$600 billion by 2020, the UN Environmental Programme told the press.

For the complete article, visit <http://uk.reuters.com/articlePrint?articleId=UKL0167778920080701>.

Western Governors Plan Climate Change Initiative for Next President

Western governors say that in the next 12 months they will work together to craft a climate change initiative for the next president, according to a denverpost.com article. With the current lack of any comprehensive federal policy to address the climate change, the governor's feel that they are in a position to assist the next administration, stated the article.

"We are the most energy-relevant region in the world when you take a slice of western Canada right through the Western United States, and who isn't going to listen to this part of the world speak out on energy issues?" Utah Governor Jon Huntsman Jr. told the press.

The climate-policy recommendation will build on an initiative launched by the governors last year. It will be crafted with the help of the staffs and policy experts in each of the member states as well as 71 research universities, the article said.

Colorado Governor Bill Ritter told the press that the group has "an opportunity to help set the stage for the development of a national energy policy with a new administration." He also added that in addition to engaging the research universities, it would be critical to engage the private sector.

For the complete article, visit http://www.denverpost.com/news/ci_9758767.

International News

Australia: Geothermal Power Plant Planned for Western Queensland

Clean Energy Australasia, a Brisbane-based company, has proposed to build a geothermal plant in western Queensland, said an article on abc.net.au. The company is seeking assistance from the State Government to help see the project through.

According to the article, the \$50 million plant could supply 5 MW of power to the proposed area, making it the first major pilot plant of its kind in Australia. Clean Energy Australasia is the main contender for the project, which could be producing power within three years if native title approvals and an exploration permit go through, the article said.

The State Government is ready to promote the geothermal and solar industries to help ensure a clean energy future for Queensland, stated the article. "We're very keen to promote a cleaner, greener energy future for Queensland and geothermal and solar will play a big role," Mines and Energy Minister Geoff Wilson told the press.

For the complete article, visit <http://www.abc.net.au/news/stories/2008/07/03/2293002.htm>.

Djibouti: New Investment Group Joins REI Geothermal Project

To help the problems of energy shortage in Djibouti, IFC InfraVentures and Reykjavik Energy Invest (REI) have signed a joint agreement to explore and develop geothermal energy in the country, according to an ABC newswire article. The project is in the geothermal area of Lake Assal, the lowest point in Africa.

This is the first investment venture of the newly developed fund IFC, the article stated. As co-developer with REI, IFC InfraVentures will provide 35 percent of project costs. A \$100 million fund, it will support development of infrastructure in poor countries. Rashad Kaldany, Director for Infrastructure of IFC told the press, "This first transaction for IFC InfraVentures is important to moving this innovative approach forward."

Djibouti is estimated to have up to 800 MW of geothermal potential.

For the complete article, visit

http://www.abnnewswire.net/press/en/53842/IFC_And_Reykjavik_Energy_Invest_Inaugurate_New_IFC_In_frastructureFund_For_Developing_Countries_With_Investment_In_Djibouti.html.

Tanzania: Geothermal Drilling Ready to Begin

Many studies have shown that geothermal potential in Tanzania measures at about 650 MW and preparations are now underway to develop the use of geothermal energy in the country, according to a Daily News newswire article. Part of this development will be the start of drilling at Songwe, located west of Mbeya, in order to establish available thermal gradient rates.

Prof Abdul Mruma, CEO of Geological Survey of Tanzania, told the press that Songwe is one of three potential sources of geothermal energy out of the 50 available in the country. The three sites combined have an estimated potential of 45 MW.

The other two sites are in the Luhoi area, which is within the lower Rufiji basin in Coast Region and Lake Natron in Manyara Region, the article said.

For the complete article, visit <http://dailynews.habarileo.co.tz/business/index.php?id=5634>.

Notices and Employment Opportunities

Financial Assistance Funding Opportunity Announcement, U. S. Department of Energy National Energy Technology Laboratory (Applications Due July 10)

Funding Opportunity Number: DE-PS26-08NT00319

Where to Submit

Applications must be submitted through Grants.gov to be considered for award. You cannot submit an application through Grants.gov unless you are registered. Please read the registration requirements carefully and start the process immediately. Remember you have to update your CCR registration annually. If you have any questions about your registration, you should contact the Grants.gov Helpdesk at 1-800-518-4726 to verify that you are still registered in Grants.gov.

Registration Requirements

There are several one-time actions you must complete in order to submit an application through Grants.gov (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with the Central Contract Registry (CCR), register with the credential provider, and register with Grants.gov). See <http://www.grants.gov/GetStarted>. Use the Grants.gov Organization Registration Checklist at <http://www.grants.gov/assets/OrganizationRegCheck.pdf> to guide you through the process. Designating an E-Business Point of Contact (EBiz POC) and obtaining a special password called an MPIN are important steps in the CCR registration process. Applicants who are not registered with CCR and Grants.gov should allow at least 21 days to complete these requirements. It is suggested that the process be started as soon as possible. IMPORTANT NOTICE TO POTENTIAL APPLICANTS: When you have completed the process, you should call the Grants.gov Helpdesk at 1-800-518-4726 to verify that you have completed the final step (i.e. Grants.gov registration).

Microsoft Vista and Office 2007 Compatibility

Grants.gov is currently incompatible with both the new Microsoft (MS) Vista Operating System and the new Microsoft (MS) Office 2007 versions of Word, Excel, and Power Point. In order to create and submit

your application to Grants.gov, you must find a computer with a previous version Microsoft Operating System, such as Windows XP. If you attach a file created using MS Office 2007, you will not get an error message when you submit the application, HOWEVER, your entire application will not be able to be processed or accepted at Grants.gov and will not reach DOE. Grants.gov can accept applications with attachments created in MS Office 2007 if the attachments are saved in the prior format. See the http://www.grants.gov/assets/Vista_and_office_07_Compatibility.pdf for detailed instructions on how to do this. A file created in MS Office 2007 can be identified by the "x" at the end of the file extension, for example "sample.docx" for a Word file. Contact Grants.gov at 1-800-518-4726 with any questions.

Questions

Questions relating to the registration process, system requirements, how an application form works, or the submittal process must be directed to Grants.gov at 1-800-518-4726 or support@grants.gov. Part VII of this announcement explains how to submit other questions to the U.S. Department of Energy (DOE).

Application Receipt Notices

After an application is submitted, the Authorized Organization Representative (AOR) will receive a series of five e-mails. It is extremely important that the AOR watch for and save each of the emails. It may take up to two (2) business days from application submission to receipt of email Number 2.

When the AOR receives e-mail Number 5, it is their responsibility to follow the instructions in the e-mail to log on to IIPS and verify that their application was received by DOE. The titles of the five e-mails are:

- Number 1 – Grants.gov Submission Receipt Number
- Number 2 – Grants.gov Submission Validation Receipt for Application Number
- Number 3 – Grants.gov Grantor Agency Retrieval Receipt for Application Number
- Number 4 – Grants.gov Agency Tracking Number Assignment for Application Number
- Number 5 – DOE e-Center Grant Application Received

The last email will contain instructions for the AOR to register with the DOE e-Center. If the AOR is already registered with the DOE e-Center, the title of the last email changes to:

- Number 5 – DOE e-Center Grant Application Received and Matched

This email will contain the direct link to the application in IIPS. The AOR will need to enter their DOE e-Center user id and password to access the application.

Nicaraguan Energy Ministry Seeks Offers to Develop San Cristobal Volcano (Bids Due July 31)

The Nicaraguan government is considering offers of at least \$30,000 made before July 31 to develop at the San Cristobal Volcano.

Nicaragua's Energy Ministry posted a statement on their Web site at

<http://www.mem.gob.ni/media/file/ADQUISICIONES/CONVOCATORIA%20LICITACION%20CASITA.pdf>.

The documents, in Spanish, can be obtained from:

MINISTERIO DE ENERGIA Y MINAS

Del Portón del Hospital Bautista 1 c. Abajo, 125 vrs. al lago. Apartado postal CJ-159.

Managua, Nicaragua

PBX: (505) 222-5576 Fax: (505) 222-4629

For more information, contact:

- Lic. Iván Cortés, Dirección General de Electricidad y Recursos Renovables, correo electrónico: ivan.cortez@mem.gob.ni
- Ing. Magdalena Pérez, correo electrónico: magdalena.perez@mem.gob.ni
- Lic. Aura María González correo electrónico: aura.gonzalez@mem.gob.ni. Pagina web: www.mem.gob.ni

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

"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:

- capital costs & cost affecting factors
- financing instruments & incentives
- associated risks & risk mitigation tools
- geoscientific & technology barriers and solutions
- 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).

Scope: 80-100 pages in A4 format

Price: 280 EUR (excl VAT) per copy

Early-Bird Special: 15% discount for payment before 31 July 2008

Publication Date: August 2008 anticipated

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>.

FOA, U.S. DOE, Enhanced Geothermal Systems Research, Development, and Demonstration (Applications Due August 12)

Announcement Number: DE-PS36-08GO98008

Initial estimated total funding for this award is listed at \$10,500,000 in FY'2008; with additional anticipated funds of \$79,000,000 in FY'2009 and FY'2010, subject to change and Congressional appropriations. There are also distinctions between funding for two topic areas covered in this FOA. Please see the FOA for detailed funding information.

Geothermal energy is an abundant, reliable, ubiquitous, base load, indigenous renewable energy source. Only the hydrothermal portion of the geothermal resource has been developed commercially around the world. There are a significant number of hydrothermal systems that do not have adequate productivity for economic production. To address the development of Enhanced Geothermal Systems (EGS), DOE recognizes that there will be challenges requiring new technology development in the form of R&D, field testing, and verification in order for EGS to enter the marketplace. DOE is seeking to partner with geothermal stakeholders to alleviate some of the risks of EGS development through this Funding Opportunity Announcement (FOA) covering two key topic areas. This integrated FOA will allow DOE to develop new sensors, down-hole tools, and mapping capabilities in order to operate at greater depths and higher reservoir temperatures, and to partner with geothermal stakeholders to increase the knowledge and understanding necessary for EGS to advance to a state of commercial readiness. Brief descriptions of both topic areas are as follows:

Topic Area 1: Component Areas R&D

This topic area seeks projects that address key aspects of engineered reservoir creation, management, and

utilization by developing tools and techniques useful to temperatures up to 300°C and depths as great as 10,000 m. Areas of interest include: zonal isolation; down hole pumps; fracture characterization; image fluid flow; tracers and tracer interpretation; high temperature logging tools and sensors; and stimulation prediction models. These technology improvements are discussed in greater detail in the report, An Evaluation of Enhanced Geothermal Systems Technology, posted on the DOE website: http://www1.eere.energy.gov/geothermal/pdfs/evaluation_egs_Tech_2008.pdf.

Topic Area 2: System Demonstrations

This topic area seeks projects that will successfully characterize a geothermal system with low natural productivity, develop a plan to stimulate the productivity of the system, stimulate a well in the system and monitor the productivity or injectivity of the well in relation to other wells available in the system. The projects will allow testing and validation of stimulation techniques for improving productivity of wells or increasing inter-well connectivity at existing geothermal fields. Use of available or experimental technologies from geothermal, petroleum or other relevant industries will be considered.

Applications for this Funding Opportunity Announcement must be accessed, completed, and submitted through Grants.gov at <http://www.grants.gov> to be considered for award. Questions regarding the content of the announcement should be submitted through the “Submit Question” feature of the DOE Industry Interactive Procurement System (IIPS) at <http://e-center.doe.gov>.

VERY IMPORTANT: To complete and submit applications through Grants.gov, there are several actions you must complete (e.g., obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number, register with the Central Contract Registry (CCR), install the PureEdge Viewer, register with the credential provider, and register with Grants.gov). Applicants are highly encouraged to register as soon as possible and should allow at least 21 days to complete the registration process. When done, call the Grants.gov Helpdesk at 1-800-518-4726 to verify successful registration. Registration Instructions are found on the Grants.gov web site at <http://www.grants.gov> and in the Funding Opportunity Announcement.

Should you have questions regarding the operation of Grants.gov, please contact the Grants.gov Contact Center at support@grants.gov or 1-800-518-4726. Contact Center hours of operation are Monday–Friday from 7:00 am to 9:00 pm Eastern Standard Time.

Visit <https://e-center.doe.gov/iips/faopor.nsf/3b3cff0a4a1f243485256ec100490e1a/c6ac09127a4b508b8525746c005f950d?OpenDocument> for information and instructions. The full announcement can be found at [Announcement DE PS36-08GO98008.pdf](#). Additional information is available at [Document: Enhanced Geothermal Systems Research, Development, and Demonst...: 06/19/2008](#).

Rio Tinto Alcan and the International Business Leaders Forum, Prize for Sustainability (Responses 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>.

Federal Loan Guarantees for Projects that Employ Innovative Energy Efficiency, Renewable Energy, and Advanced Transmission and Distribution Technologies (Applications Due December 31)

Solicitation Number: DE-PS01-08LG00001

This solicitation announcement 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 United States 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. Attachment E sets forth illustrative lists of each of these project types. 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 [Announcemnt DE PS36-08GO98008.pdf](http://www.lgprogram.energy.gov/keydocs.html). Visit <http://www.lgprogram.energy.gov/keydocs.html> for more information..

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 be 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)

RFP for Partnerships for a Clean and Sustainable China, U.S. DOE (July 11)

The U.S. Department of State requests proposals for China Request for Assistance. Through this initiative, DOS seeks proposals from U.S. and Chinese organizations to assist in areas including reducing greenhouse gas emissions; advancing sustainable economic growth; reducing poverty; creating new investment opportunities; building local capacity; and improving economic and energy security. \$6.79 million expected to be available, up to 15 awards anticipated. Responses due 7/11/08.

For more info, go to:

<http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=41879>.

Refer to Sol# S-OES-08-RFA-003. (Grants.gov 6/2/08)

RFP for U.S. and China Clean Energy Partnership, U.S. Agency for International Development (July 17)

The U.S. Agency for International Development requests proposals for the U.S. and China Clean Energy Partnership. This program will support public-private partnership activities that assist China in achieving its national energy efficiency goals and reduce its growing contributions to greenhouse gas emissions, while at the same time addressing China's local and regional air pollution and unsustainable energy consumption patterns. \$2 million expected to be available, 1 award anticipated. Responses due 7/17/08.

*For more info, contact Praveena ViraSingh at pvirasingh@usaid.gov or go to:
<http://www07.grants.gov/search/search.do?oppId=41898&flag2006=false&mode=VIEW>.
Refer to Sol# USAID-RDMA-CHINA-486-08-008-RFA. (Grants.gov 6/4/08)*

RFP for Renewable Energy Certificates, Defense Energy Support Center (August 4)

The Defense Energy Support Center solicitation SP0600-08-R-0417 for supply of renewable energy certificates for various Department of Defense and Federal Civilian agencies is now available.

Total contract quantity is 193,092,728 kWh in renewable energy certificates for ultimate transfer to Department of Interior, NASA Kennedy Space Center, Air Force Reserve Command, Air Mobility Command, Kirtland Air Force Base, Air Education & Training Command, Internal Revenue Service, Air Combat Command Food and Drug Administration, National Institute of Standards of Technology, and Air Force Special Operations Command.

Technical data and final pricing proposals are due by noon local Ft. Belvoir, VA time on August 4, 2008. The delivery date for all accounts is September 30, 2008, except for NASA Kennedy Space Center, which is January 7, 2009.

For more information, contact Jezabel Avilés at Jezabel.Aviles@dla.mil or Leslie Simpson at leslie.simpson@dla.mil or visit <http://www.desc.dla.mil/DCM/DCMSolic.asp?SolicID=1333>.

RFP for Renewable Energy, Arizona Public Service (August 13)

The Arizona Public Service seeks at least 35,000 MWh and up to 1,000,000 MWh from renewable energy resources. Notice of Intent to Bid is due 7/11/08, final proposals due 8/13/08.

*For more info, contact Gordon Samuel at RenewableRFP@aps.com or go to:
<http://www.aps.com/aps/rfp/renewable2008/default.html>.*

RFP 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 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 Climate Change and Sustainability Conferences, U.S. 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)

Upcoming Events

2008 Reznick Group Renewable Energy Business Symposium—The Crossroads of Technology and Finance in Renewable Energy, July 14–16 (Denver, CO)

Reznick Group is pleased to announce the first in a series of business symposiums created for key decision makers in renewable energy business and technology.

The Crossroads of Technology and Finance in Renewable Energy will explore the critical relationship between technology and finance in the successful development of renewable energy projects and infrastructure. It is designed for leaders looking to improve their understanding of renewable energy technologies, transactions, valuations and business issues and capital structures. It will provide a unique opportunity for developers, investors, power producers, technology firms and others to come together and learn important new information in the rapidly changing renewable energy industry.

Speakers include:

- Congressman Mark Udall (D-CO)
- John Geesman—American Council on Renewable Energy
- Matt Ringer—National Renewable Energy Laboratory
- Ted Schultz—Duke Energy
- John Eber—JP Morgan
- Saf Dhillon—U.S. Geothermal Inc.
- Jigar Shah—SunEdison
- Patty Hargreaves—Mondial Energy Inc.

For more information or to register, please visit the website at http://www.reznickgroup.com/sub_main.php?document_id=92&ion_id=5&subpage=14.

GEA “Geothermal 101” Workshop, July 23 (Ritz-Carlton @ Battery Park, New York City)

Come hear leading experts discuss a fast growing renewable energy industry considered to have massive untapped energy potential. Space is limited, reserve your spot today!

Agenda:

9:00-9:05

Welcome and Introduction, Jonathan Weisgall, President, GEA and Vice President MidAmerican Energy

9:05-9:20

Opening Keynote Remarks: Assistant Secretary of Energy, Andy Karsner, Invited

9:20-11:45

Basic Introduction to Geothermal Energy

- *Understanding the geology behind geothermal energy:* Paul Brophy, President, EGS Inc. and Geothermal Resources Council
- *Geothermal reservoir assessments:* Arnar Hjartarson, Geothermal Reservoir Specialist- Glitnir

Short Break Expected

- *Drilling:* Lou Capuano, President- ThermaSource
- *Power plant technology:* Lucien Bronicki, Founder and Chairman- Ormat

Lunch/Luncheon Address: 12:00-1:30

12-12:30: Lunch- served in the Skyline Vista

12:30-1:30: Luncheon Address

Dan Reicher, Director for Climate Change and Energy Initiatives- Google.org
Ólafur Ragnar Grímsson, President of Iceland

1:30-2:45pm

- *Geothermal Finance Issues and Perspectives:*
 - Dita Bronicki, CEO- Ormat
 - Charles Arrigo, Director, Sustainable Energy- Glitnir
 - Josh Haacker, Principal- U.S. Renewables Group
 - Christopher Smith- Merrill Lynch

2:45-2:55

- *US Market Review:* Karl Gawell, Executive Director- GEA

2:55-3:15

- *World Market Review:* Subir Sanyal, President- GeothermEx

3:15-3:30: Afternoon Break- Dessert will be served

3:30-5:00

- *Project showcase:*
 - UTC Power- John Fox, PureCycle Geothermal Product Manager
 - Google.org- Charles Baron, Climate and Energy
 - Terra-Gen Power- Steve Doyon, Senior Vice President and Head of Development
 - Western GeoPower, Inc.- Thomas Drolet, CEO
 - Raser Technologies- Michael Hayter, Director of Geothermal Development
 - Iceland America Energy, Magnus Johannesson, CEO
 - Ormat- Paul Thomsen, Public Policy Manager
 - Geysir Green Energy- Nanna Baldvinsdottir, Head of Marketing and Relations
 - Vulcan Power- Steve Munson, CEO
 - Enel North America- John Snow, Director of Resource Development

To register, go to http://geo-energy.org/financeWorkshop/work_shop.asp.

FREE Geothermal Energy Webcast Featuring Prominent Keynote Speakers (July 23)

The Geothermal Energy 101 Webcast is provided for free by the Geothermal Energy Association and will take place Wednesday, July 23. The schedule is as follows:

9:00 a.m. to Noon (ET)

- Opening Keynote Remarks by Assistant Secretary of Energy, Andy Karsner.
- Geothermal Energy 101 session led by experts in the field. Topics to include: geology behind geothermal, geothermal reservoir assessments, drilling, and power plant technology.

12:30 p.m.-2:00 p.m. (ET)

- Luncheon Keynote addresses by The President of Iceland, Olafur Ragnar Grimsson and Director for Climate Change and Energy Initiatives, Google.org, Dan Reicher.

**Note: for registrants not in Eastern Time zone, webcast will be archived to watch at your convenience.

To register, visit <http://www.visualwebcaster.com/event.asp?id=49057>.

If you have any questions, contact Kathy Kent at kathy@geo-energy.org.

California Geothermal Summit, California Geothermal Energy Collaborative, July 30 (Embassy Suites Hotel, Sacramento, CA)

What does the future hold for the geothermal community?

What should we focus on to fast-track geothermal energy in the state?

How can we more effectively partner with other renewable technologies?

The California Geothermal Energy Collaborative encourages you to participate in the Summit -- and join us in welcoming speaker, Ed Wall, the new Manager of DOE's Geothermal Program Office.

REVISED AGENDA

8:30 a.m. - Attendee Check-in

9:00 a.m. - Welcome – *William Glassley, CGEC Executive Director*
Summit Moderator – Karl Gawell, Geothermal Energy Association

9:10 a.m. - Future Direction of State and Federal Geothermal Research
Gerry Braun, California Energy Commission; CGEC R&D Plan, William Glassley, CGEC; Allan Jelacic, DOE; and Ed Wall, DOE Geothermal Program Manager

10:00 a.m. - Climate Change, RPS, and other federal and state policies affecting geothermal energy
V. John White, CEERT; Jonathan Weisgall, MidAmerican; Barbara Boxer staff member (invited)

10:30 – 10:45 - Break

10:45 a.m. - Moderated Discussion: Geothermal Energy, Climate Change, Research Direction, and Integrated, Cross-cutting Systems - getting the maximum contribution.
Discussion Leaders: Carol Bruton, Simbol Mining Corp. and Mack Kennedy, LBNL

11:30 a.m. – 1 p.m. - LUNCH

1 p.m. - Keynote Speaker: TBD

1:40 p.m. - Transmission and Renewable Energy - RETI Process, and Western Governors Association Initiative Reports
John McCaull, Geothermal Energy Association and Andy Horne, California State Assoc. of Counties (CSAC)

2:20 p.m. - Direct Use, Heat Pumps and Small Power: Their Role in the California Energy Landscape
Rick Phelps, High Sierra Energy Foundation

2:50 – 3:10 p.m. Break

3:10 p.m. - Status and Outlook: BLM Leasing and the PEIS
Kermit Witherbee, BLM Leasing Plans; Jack Peterson, BLM PGEIS

3:40 p.m. - Is there a consensus about the future direction/priorities for the CGEC?
Moderated Discussion with audience participation

4:00 p.m. - Adjourn

Registration Fee - \$85.00

Late Registration Fee after July 21 - \$160

Registration

(Limited seating available)

Registration fee is payable by check to the Geothermal Education Office or a Visa or MasterCard credit card. Please note: your credit card statement will show a charge from California Study.

Registration Processing is being handled by Marilyn Nemzer, Geothermal Education Office.

To obtain a registration form email: GEO.nemzer@gmail.com or go to:

<http://ciee.ucop.edu/geothermal/documents/2008CGECSummitFlyer.pdf>.

For general questions concerning the workshop, contact CGEC Administrative Manager Judy Fischette at fischette@sbcglobal.net.

11th Annual Congressional Renewable Energy, Energy Efficiency EXPO, and Forum, Sustainable Energy Coalition, July 31 (Washington, DC)

The 11th Annual Congressional Renewable Energy & Energy Efficiency EXPO + Forum will be hosted by the Sustainable Energy Coalition in cooperation with Members of the congressional Renewable Energy & Energy Efficiency Caucuses. The day-long event will be held in the Caucus Room of the Cannon House Office Building in Washington, DC on Thursday, July 31.

This year's EXPO will bring together more than three dozen businesses, sustainable energy industry trade associations, and energy policy research organizations to showcase the status and near-term potential of the cross-section of renewable energy and energy efficiency technologies.

As Congress, the Administration, the business community, and American voters search for options to address ever-higher energy prices, increased reliance on energy imports, and the potential threat posed by rising levels of greenhouse gas emissions, the EXPO will help address the role that sustainable energy technologies might play. This will include not only the technical aspects of renewable energy and energy-efficient technologies but also related issues such as economics, current and near-term market potential, model programs in the public and private sectors, institutional and legal barriers, etc.

Attendance is free and no RSVPs are required.

For more information and to register to exhibit, contact:

Ken Bossong

Sustainable Energy Coalition

6930 Carroll Avenue
Suite #340
Takoma Park, MD 20912
301-270-6477 x.23
Kbossong614@yahoo.com
<http://www.sustainableenergycoalition.org>

Geothermal Technologies Workshop, Western Area Power Administration, August 11-12 (Everett, WA)

Western Area Power Administration (Western) is hosting a Geothermal Technologies workshop. The theme is “Electric Utilities’ Roles in Promoting Geothermal Energy Technologies.” It is cosponsored by the American Public Power Association (APPA), the National Rural Electric Cooperative Association (NRECA), and the Utility Geothermal Working Group (UGWG).

The target audiences for the workshop are utility staff who are interested in learning about geothermal technologies—including geothermal heat pumps (GHP) and geothermal power production—who want to compare them with other resource options, or who want to learn how to improve on existing programs. Through class presentations, case histories, and demonstrations, attendees will learn about:

- Cost effectiveness tests of GHP from the utility and customer perspectives
- Case histories of GHP systems energy savings over conventional HVAC systems
- How GHP programs qualify as energy efficiency programs
- New drilling and installation techniques
- Cost comparisons of geothermal power and other resource options

Georg Shultz the Director, Electric Staff Division for the USDA’s Rural Utility Services (RUS), will give an update on the RUS’s work with cooperatives on promoting geothermal technologies in rural areas.

Workshop fees are \$90 for one day and \$125 for both days. Reduced fees for APPA, NRECA, NWPPA, and State Working Group members and Western Customers are \$60 and \$90. If you wish to attend, please fill out the registration form and send a check to made payable to Utility Forum Connection to:

Utility Forum Connection
PO Box 255
Lincoln City, OR 97367

Questions? Contact Guy Nelson, energyguy@utilityforum.com or (541) 994-4670.

Renewable Energy Philippines 2008, August 28–30 (Manila, Philippines)

This is the First International Exhibition & Conference on Renewable Energy in the Philippines.

Renewable energy is getting more and more attention because of global warming. Renewable Energy Philippines 2008 is a link to enable the U.S. Renewable Energy providers, manufacturers, and researchers to go overseas and encourage other countries to invest in environment friendly energy sources.

Asian Development Bank & World Bank will speak on Future Carbon Fund, Carbon Finance Program, and support of CDM Projects.

August 28–30, Hall 3, SMX Convention Center
Metro Manila, Philippines

The exhibition provide a one-stop B2B and technology exchange platform for equipment manufacturers and suppliers, project operators, financing institutions, oil & gas producing companies, state-owned companies and relevant Government Agencies to meet and do business under one roof and venue. Exhibition profile includes all equipment, technology applications and projects available for investment to the following fields of interest:

- Alternative Fuels
- Gas Energy
- Geothermal Energy
- Hydro Energy
- Ocean Energy
- Solar Energy
- Wind Energy
- Others—Battery, Energy Bank, Energy Saving Products, etc.

*For more information, contact: TDC EVENTS INTERNATIONAL INC., 1504 FRANCISCO STREET
BERKELEY, CA 94703*

*USA Contact: Maria Gomez, Tel: +1 305 4365751, Fax: +1 305 4365352, Cel: +1 305 7722549, e-mail:
maria@andinalink.com*

*Latin America Contact: Andrea Valencia, Tel: +571 4821717, Fax: +571 3128782, e-mail:
andrea@andinalink.com*

Web site: www.dp-link.com

GEA Trade Show/GRC Annual Meeting, October 5–8 (Reno, NV)

The GEA Trade Show and GRC Annual Meeting will take place October 5-8 Peppermill in Reno, Nevada. Annually, Geothermal Energy Association hosts a wide range of companies working in the U.S. and abroad within the geothermal power industry at its Trade Show. Last year in Reno/Sparks, Nevada, 71 booths were visited by over 1000 visitors. With dramatic growth underway in geothermal power projects in the U.S. and internationally, we expect the 2008 trade show in Reno to be our largest event yet!

*For more information about the GEA Trade Show, visit http://www.geo-energy.org/2008_ts/index.htm.
For information about the GRC Annual Meeting, go to <http://www.geothermal.org>.*

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.

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.

Scientific Program

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.

Sessions

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.



GEA Update

A newsletter for GEA Members written by Kara Slack, 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