

<b>National News.....</b>	<b>4</b>
Senators Wyden and Crapo Introduce Bill to Extend 30% ITC for Geothermal Through 2016.....	4
FERC Issues Final Rule Signaling Major Shift to Regional Transmission Planning and Cost Allocation .....	4
<b>Company News.....</b>	<b>6</b>
Geothermal on the Business News Network .....	6
<b>Renewable Energy and Climate Change.....</b>	<b>6</b>
California Transmission Planning Group Releases Update on Transmission Studies: Geothermal Import Scenario of 750 MW from Nevada-California Under Consideration .....	6
<b>State News .....</b>	<b>7</b>
California: CARB Releases Final Cap and Trade Regulations for Public Review: Geothermal Emissions Exempt from “Compliance Obligation” .....	7
Hawaii: IDG Looking at Sites for Maui Geothermal Plant.....	9
Nevada: BLM Releases Final EIS for the Salt Wells Energy Projects near Fallon .....	9
<b>International News .....</b>	<b>10</b>
Americas .....	10
Chile: Hot Rock Assesses Calerías Geothermal Resource .....	10
Colombia: IDB Grant Sets Path for Geothermal Development .....	10
Guatemala: Country Looking to Increase Geothermal Power Generation .....	11
Mexico: CFE to Reduce Evaporation Reservoir Surface at Cerro Prieto Plant .....	11
Nevis: WIP Begins Construction of Nevis Geothermal Plant.....	11
Europe.....	11
Germany: Traunreut Geothermal Project Underway.....	11
Turkey: High Temperature Geothermal Field Could Save Country Millions .....	12
Pacific.....	12
Australia: Geothermal company in Pre-Open Pending Capital Raising Announcement .....	12
Fiji: Mineral Resources Dep’t Testing Geothermal Levels .....	12
Indonesia: PLN Official Expects 6000 MW Geothermal by 2019.....	12
New Zealand: Temporary Shutdown at Ngawha Station .....	13
Philippines: EDC Seeks Second \$75-M Loan from IFC.....	13

**Notices ..... 13**

New This Week ..... 13

    EIS Received for Salt Wells Energy Projects ..... 13

    NOI/NOP Available, Desert Renewable Energy Conservation Plan ..... 14

    IID Board Resolution on Tax Credit Passes 5-0 ..... 14

    Indonesia Reverse Trade Mission Visits California, Nevada, Washington DC ..... 15

Current Notices ..... 15

    Blue Ribbon Panel Draft Report Available for Comment (August 5) ..... 15

    GEA Annual Meeting and Board Elections Set for August 16, Reno, Nevada ..... 15

    Notice of Availability of the Draft Environmental Impact Statement for the West Chocolate Mountains  
(September 29) ..... 15

**Employment ..... 16**

Employment Opportunities ..... 16

    Research Geologist/Geophysicist, United States Geological Survey ..... 16

    Tenure-line Position, Energy Resources Engineering, Stanford University ..... 16

    Reservoir Engineering Manager – Geothermal, Chevron, Jakarta, Indonesia ..... 17

    Consultant, Geothermal Market in Turkey, EBRD ..... 17

    NREL Seeking Applicants for Geothermal Analysis Group ..... 17

**Requests for Proposals ..... 18**

Proposal Announcements ..... 18

    Industrial Assessment Centers, DOE (August 2) ..... 18

    Clean Energy Program – Columbia, USAID (August 2) ..... 18

    Subcontractors for Geothermal Heat Pump Systems, DOE (August 15) ..... 18

    Call for Research Experiences for Undergraduates (REU) Site Proposals, NSF (August 24) ..... 19

    RE&EE Awards, State Energy Program, DOE ..... 19

    Innovative Manufacturing Initiative for Clean Energy, DOE (August 25) ..... 19

    Request for Information on Geothermal Energy Expansion, HELCO, Big Island, Hawaii (August 31) ..... 20

    Alaska Native Fund (October 15) ..... 20

    Environmental Engineering, Energy for Sustainability, and Environmental Sustainability, NSF (February 17,  
2012) ..... 20

**Events ..... 21**

Happening This Week ..... 21

    EGS Roadmap Workshop, DOE, San Francisco, CA (August 3–4) ..... 21

    National Geothermal Academy, University of Nevada, Reno (June 20 to August 12) ..... 21

New This Week ..... 22

Gradient Resources announces Patua Project Ground Breaking Event ..... 22

Geothermal Operations and Plant Optimization Conference, San Jose, California (September 15–16) ..... 22

GEA Events..... 22

    GEA's First-Ever National Geothermal Summit in Reno, Nevada (August 16–17) ..... 22

    Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA (October 23–26)..... 23

Other Events ..... 24

    Bonding Workshop and Geothermal Unit Training, BLM (August 23–25) ..... 24

    RETECH 2011, The Renewable Energy Technology Conference & Exhibition, Washington DC (September 20–22) ..... 24

    XIX Annual Congress of the Mexican Geothermal Association (September 22–23)..... 24

    CanGEA Events (September and November) ..... 24

    U.S.-Mexico Renewable Energy and Energy Efficiency Policy Roundtable, U.S. DOC, Mexico City, Mexico (September 26–27) ..... 24

    Turkey Renewable Energy and Energy Efficiency Trade Mission, U.S. DOC, Ankara-Istanbul-Izmir (December 5–9)..... 25

    Renewable Energy World North America Conference and Expo, Long Beach, CA (February 14–16, 2012). 26



<http://www.geo-energy.org/updates.aspx>



---

## **National News**

### **Senators Wyden and Crapo Introduce Bill to Extend 30% ITC for Geothermal Through 2016**

Last week, Senators Wyden and Crapo introduced their bill, S. 1413, the Geothermal Tax Parity Act of 2011, to temporarily increase the 30% investment tax credit (ITC) for geothermal to 30% and extend through 2016. The bill has been referred to the Committee on Finance. The House of Representatives introduced two companion bills, [H.R. 1384](#) and [H.R. 2408](#), earlier this year.

### **FERC Issues Final Rule Signaling Major Shift to Regional Transmission Planning and Cost Allocation**

*By John McCaull – GEA Western States Representative — August 1, 2011.* On July 21, 2011, the Federal Energy Regulatory Commission (FERC) issued its Final Rule on Transmission Planning and Cost Allocation ([Order No. 1000](#)). According to the FERC news release, the new order reforms “transmission planning and cost allocation requirements to benefit consumers by enhancing the grid’s ability to support wholesale power markets and ensuring transmission services are provided at just and reasonable rates.”

As FERC Chairman John Wellingoff stated, “This rule is an important step forward, building on FERC’s successful market reforms over the past 15 years. Our action today promotes efficient and cost-effective transmission planning and the fair allocation of costs for new transmission facilities. These changes will provide consumers with greater access to efficient, low-cost electricity.”

In its 2007 [Order No. 890](#), FERC required each public utility to coordinate with interconnected systems, but did not require the development of a comprehensive region-wide transmission plan. Final Rule 1000 places an affirmative obligation on public utility transmission providers to engage in a regional planning process and develop a regional transmission plan that complies with the planning principles outlined in Order No. 890. The regional transmission planning process must consider and evaluate transmission and non- transmission solutions and identify which solutions meet the needs of the planning region.

The rule establishes three **requirements for transmission planning**:

- Each public utility transmission provider must participate in a regional transmission planning process that satisfies the transmission planning principles of [Order No. 890](#) and produces a regional transmission plan.



- Local and regional transmission planning processes must consider transmission needs driven by public policy requirements established by state or federal laws or regulations. Each public utility transmission provider must establish procedures to identify transmission needs driven by public policy requirements and evaluate proposed solutions to those transmission needs.
- Public utility transmission providers in each pair of neighboring transmission planning regions must coordinate to determine if there are more efficient or cost-effective solutions to their mutual transmission needs.

The rule also establishes three requirements for **transmission cost allocation**:

- Each public utility transmission provider must participate in a regional transmission planning process that has a regional cost allocation method for new transmission facilities selected in the regional transmission plan for purposes of cost allocation. The method must satisfy six regional cost allocation principles.
- Public utility transmission providers in neighboring transmission planning regions must have a common interregional cost allocation method for new interregional transmission facilities that the regions determine to be efficient or cost-effective. The method must satisfy six similar interregional cost allocation principles.
- Participant-funding of new transmission facilities is permitted, but is not allowed as the regional or interregional cost allocation method.

The rule also contains reforms that recognize that **incumbent transmission providers** may rely on regional transmission facilities to satisfy their reliability needs or service obligations. The rule requires each public utility transmission provider to amend its tariff to require reevaluation of the regional transmission plan to determine if delays in the development of a transmission facility require evaluation of alternative solutions, including those proposed by the incumbent, to ensure incumbent transmission providers can meet reliability needs or service obligations.

Order 1000 will help ensure that transmission planning occurs in a transparent and inclusive planning process. In addition, it requires regional planning processes to consider and plan for how to achieve existing public policies such as state renewable energy portfolio standards, state and federal efficiency mandates and EPA clean air rules. The Order takes effect within 60 days of publication in the *Federal Register*. Transmission providers must make compliance filings on most issues within one year of the effective date. Interregional transmission coordination and cost allocation compliance filings are required within 18 months of the effective date. Public utility transmission providers must consult with stakeholders in the region in developing and implementing their compliance filings.



---

## **Company News**

### **Geothermal on the Business News Network**

To view "Investing in Geothermal" on the Business News Network, visit: <http://watch.bnn.ca/headline/july-2011-/headline-july-6-2011/#clip496320>.

---

## **Renewable Energy and Climate Change**

### **California Transmission Planning Group Releases Update on Transmission Studies: Geothermal Import Scenario of 750 MW from Nevada-California Under Consideration**

*By John McCaull – GEA Western States Representative — August 1, 2011.* The California Transmission Planning Group (CTPG) is a forum for conducting joint transmission planning studies consistent with Federal Energy Regulatory Commission (FERC) Order 890 principles, and for coordinating CTPG members' transmission planning activities. The CTPG members include both transmission owners and transmission operators.

In 2010, the CTPG with the assistance of stakeholders developed a statewide transmission plan for consideration by the state Balancing Authority Areas (BAA)'s and other decision makers. The purpose of the 2010 CTPG Study was to develop a state-wide transmission plan that identified the transmission infrastructure needed to reliably and efficiently meet by year 2020, the state's 33% RPS goal. In 2011, the CTPG has continued the study of the state's 2020 transmission infrastructure needs by building upon the work completed in 2010. The CTPG developed a 2011 Work Plan, and recently provided stakeholders with an update on their progress.

The CTPG is currently in "Phase 2" of their 2011 Study Plan. In Phase 2, the CTPG is perform transmission planning studies which will reflect the results of their effort to verify the modeling of existing and under construction renewable generation projects, include renewable resource development portfolios sufficient to meet the state's 33% Renewable Portfolio Standard (RPS) for year 2020, and model scenarios defined by specific sets of system conditions. The study results will be used to refine the determination of the "high potential" and "medium potential" transmission upgrades as well as identifying upgrades within the previously-identified high potential transmission corridors.

Of interest to the geothermal industry is the "Northwest Nevada Import" scenario. As the graphic below indicates, this import scenario examines the system impact of importing up to 750 MW of geothermal from Northwest Nevada, and some wind and solar resources from Northern California.

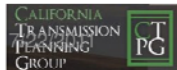
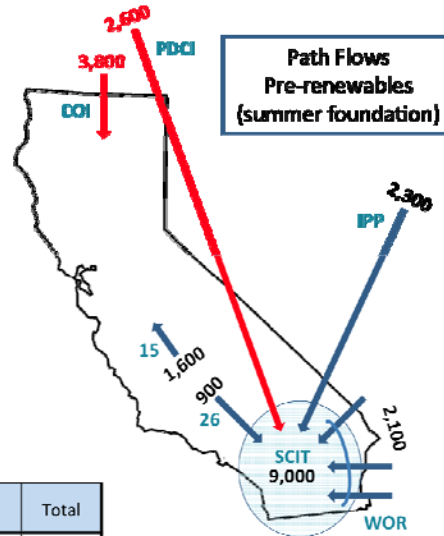


# 3 & 4. Northwest Nevada Import

- **Renewables from NW NV / NE CA**
  - July, 4PM
  - 750 MW geothermal from Northwest Nevada
  - 200 MW wind & 50 MW solar from Northeast California
- **Load: 2020 summer peak 72,591 MW**  
1-in-10 in N. CA with 1-in-2 in S. CA
- **Path flows pre-renewables:**
  - Scenario 3. stress COI (4,800 n-s) & PDCI (3,100 n-s)
  - Scenario 4. summer foundation
- **Net Short renewable resources:**

	GWh	%
Discounted Core	23,017	51
Scenario Specific	6,345	14
RETI Best CA CREZs	15,769	35
<b>Total</b>	<b>45,131</b>	

	Wind	Solar Thermal	Solar PV	Bio	Geo	Total
Installed Capacity (MW)	5,425	2,795	5,423	212	1,213	15,068
Disptached (MW)	TBD	TBD	TBD	TBD	TBD	TBD
Annual Energy (GWh)	15,437	6,657	12,325	1,569	9,143	45,131



The Geothermal Energy Association is participating in the CTPG stakeholder process, and will report in the coming months on the results of the CTPG Study Plan.

## State News

### **California: CARB Releases Final Cap and Trade Regulations for Public Review: Geothermal Emissions Exempt from “Compliance Obligation”**

By John McCaull – GEA Western States Representative — August 1, 2011. In a long-awaited decision, the California Air Resources Board (CARB) has released what will likely be the final version of proposed regulations to implement a [“California Cap On Greenhouse Gas Emissions And Market-Based Compliance Mechanisms.”](#) Public comments on the proposed “15 day modifications” will be accepted until August 11, 2011.

The AB 32 [Scoping Plan](#) identifies a cap-and-trade program as one of the strategies California will employ to reduce the greenhouse gas (GHG) emissions that cause climate change. AB 32’s goal is to reduce GHG emissions to 1990 levels by the year 2020, and ultimately achieve an 80% reduction from 1990 levels by 2050. Under cap-and-trade, an overall limit on GHG emissions from capped sectors will be established by the cap-and-trade program and facilities subject to the cap will be able to trade permits (allowances) to emit GHGs.

California is working closely with six other western states and four Canadian provinces through the [Western Climate Initiative](#) (WCI) to design a regional program that can deliver GHG emission reductions within the region at costs lower than could be realized through a California-only program. To that end, the ARB rule development schedule is being coordinated with the WCI timeline for development of a regional cap-and-trade program.

The rulemaking process requires CARB to finalize the regulation within one year of the [initial public notice](#), which means the regulation must be finalized by October 28th, 2011. Of particular interest to the geothermal industry is the amended language in the regulations that exempts geothermal power plants from any “compliance” obligation (i.e. the requirement to purchase, obtain and/or retire “allowances”) under the cap and trade program.

During the last two years of the rulemaking process, the Geothermal Energy Association (GEA) worked closely with CARB and other interested parties to make the case that greenhouse gas emissions from geothermal power plants should not be covered under the cap and trade program. GEA’s basic contention for an exemption from cap and trade was twofold:

1. Geothermal power plants produce a relatively small amount of greenhouse gases. These emissions are related to the natural geologic systems that are utilized for geothermal power production, and there is inadequate research to quantify net emissions. Further, research shows that non-condensable gas content in geothermal steam, including carbon dioxide concentrations, might even be reduced due to utilization of the geothermal resource for power production; and
2. Most of the methodologies developed for measuring and abating greenhouse gas emissions are related to combustion processes for electricity production. In comparison, it has not yet been determined whether geothermal emissions should be classified as anthropogenic, nor have we developed a clear scientific basis of assessing non-combustion emissions without adequate base-line data on natural emissions.

The CARB staff considered GEA’s comments, and produced the following staff decision and associated regulatory language *“to specify that emissions from geothermal generating units and geothermal facilities do not hold a compliance obligation. Stakeholders submitted comment letters stating that emissions from geothermal facilities should not be classified as fugitive or process emissions, and should therefore not have a compliance obligation. Based on stakeholder comments, staff concluded that although geothermal facilities must report, they will not hold a compliance obligation. ARB will monitor their activities via the CEC renewable programs.”*

The regulations now contain Section 95852.2(a)(9) that exempts:

*“(9) Emissions from geothermal generating units and geothermal facilities, including geothermal geyser steam or fluids”*



## Hawaii: IDG Looking at Sites for Maui Geothermal Plant

Innovations Development Group is looking at developing a [50-MW geothermal power plant on Maui](#). Company representatives discussed this and other renewable energy resources on the island at a public meeting. The company plans to answer Hawaiian Electric Co.'s call for a proposal to develop renewable energy sources on the island. IDG CEO Patricia Brandt said they have a couple unnamed potential partners, and that the company would give millions of dollars annually to community projects. Each test drill would cost \$5 million, Brandt said. IDG representatives are looking at two or three sites for their project, all located at Haleakala.

## Nevada: BLM Releases Final EIS for the Salt Wells Energy Projects near Fallon

[Press Release, July 25](#) -- The Bureau of Land Management (BLM) Stillwater Field Office released the final environmental impact statement (EIS), which analyzes the proposed Salt Wells Energy Projects, which consists of three energy projects proposed by Sierra Pacific Power Company, Ormat Technologies, Inc., and Vulcan Power Company.

Copies of the Salt Wells Energy Projects Final EIS are available in the BLM Carson City District, Stillwater Field Office at 5665 Morgan Mill Road, Carson City, NV 89701. The Final EIS is also available on line at:

[www.blm.gov/nv/st/en/fo/carson\\_city\\_field.html](http://www.blm.gov/nv/st/en/fo/carson_city_field.html)

Publication of a notice of availability of the EIS in the Federal Register on July 22, 2011, initiated a 30-day review period that will conclude August 22, 2011. Members of the public may submit written comments to the BLM, 5665 Morgan Mill Road, Attn: Colleen Sievers, Carson City, NV 89701; or by email to: [saltwells\\_eis@blm.gov](mailto:saltwells_eis@blm.gov).

Together, the three projects, referred to as the Salt Wells Energy Projects, could include up to five commercial geothermal power plants with a maximum total net output of 160 megawatts, which is enough electricity to power 48,000 homes. The Salt Wells Energy Projects would include a new 22-mile transmission line with associated facilities. All power generated from these projects would remain in Nevada.

The proposed facilities would be sited on a combination of private property and public land managed by the BLM and the U.S. Bureau of Reclamation. The project area, encompassed by the three proposals, covers approximately 24,000 acres, and could result in about 70 wells, 32 of which have been previously approved, with associated pipelines.

The EIS analyzes a variety of alternatives to limit impacts to the environment and surrounding communities. Issues of most concern to the public are related to water supplies for cooling, bird species that use the Carson Lake area, and the interests of Fallon Naval Air Station in avoiding community encroachment and interference with flight operations. If the proposals are approved, during construction and operation of the project the companies would be required to abide by the BLM's Geothermal Leasing Stipulations and Conditions of Approval.



In addition, all three companies would be required to develop a plan to outline the specifics of how to construct, operate, and maintain their project and each company would have to implement Best Management Practices as outlined in the EIS.

The BLM is responsible for the development of energy resources on BLM-administered public lands in an environmentally sound manner, and has produced a Final EIS analyzing the environmental, social, and economic impacts of the proposed projects. The proposed development would build the infrastructure necessary to produce and transmit geothermal energy and provide reliable electric capacity to consumers in the Fallon area.

If approved, the Salt Wells Energy Projects would provide a new renewable energy source and contribute to meeting numerous state and federal laws supporting the development of renewable energy. The Energy Policy Act of 2005 encourages the development of renewable and alternative energy resources, including geothermal energy, as part of an overall strategy to develop a diverse portfolio of domestic energy supplies. Furthermore, the Nevada Renewable Portfolio Standard, a state law, requires 25 percent of electricity be produced from renewable sources by 2025.

---

## **International News**

### **Americas**

#### **Chile: Hot Rock Assesses Calerías Geothermal Resource**

Hot Rock has assessed the [Calerías geothermal resource as capable of producing 185 MW](#) over 30 years, enough to power 250,000 Chilean homes. The assessment was independently reviewed by Dr Subir Sanyal of GeothermEx. Drilling is planned to begin in 2012.

“Calerías is very prospective, being located near a volcanic centre providing heat,” said Dr Mark Elliott, Hot Rock’s executive chairman. “The project is also strategically located close to existing transmission grid inter-connection points with direct access to the large urban electricity market in Santiago and private customers such as the nearby El Teniente mine, the largest underground copper mine in the world.”

#### **Colombia: IDB Grant Sets Path for Geothermal Development**

Colombia is promoting investment in renewable energy, and is doing extensive research at sites of what will potentially be its first geothermal power plant. It will use a [\\$2.7 million grant from the Global Environment Facility \(GEF\)](#), and administered by the Inter-American Development Bank (IDB), to develop a regulatory framework and to update the country’s database on non-conventional renewable energy resources. ISAGEN is contributing \$850,000, and the Ministry of Mines and Energy is contributing \$200,000.



A second component of the project, to be carried out by ISAGEN, will assess technical, environmental and social studies as well as determine the geothermal potential in the sites of the Macizo Volcanico del Ruiz. The studies may lead to a 50-megawatt geothermal plant, Colombia's first geothermal project.

### **Guatemala: Country Looking to Increase Geothermal Power Generation**

Guatemala hosts two geothermal power plants owned by Ormat Technologies, a collective 20 MW, and the [country is interested in developing more of its geothermal power](#) potential. The government is offering tax breaks on equipment brought in to geothermal plants as it tries to decrease use of imported oil. Yossi Shilon, Ormat's representative in Guatemala told press Ormat plans to expand its operations there.

### **Mexico: CFE to Reduce Evaporation Reservoir Surface at Cerro Prieto Plant**

In response to complaints concerning environmental and health impacts against its [720 MW Cerro Prieto geothermal power plant](#), state-run power company Comision Federal de Electricidad (CFE) is designing a USD 72.6m project to reduce the surface of the evaporation reservoir. The company will also contract a laboratory to assess any emissions. The project will be complete in 2018.

### **Nevis: WIP Begins Construction of Nevis Geothermal Plant**

Last week, West Indies Power began [construction of the 8.5-MW Nevis geothermal power](#) plant at Springhill. Workers will take about two months to complete site clearing, surveying, geotech testing, drill pad and power pad construction, and production drilling is scheduled to begin in September. Kerry McDonald, CEO of WIP, stated "It has been a long time coming but WIP is pleased to begin the construction of the Nevis Geothermal Plant that will bring low cost reliable electricity to the people of Nevis in 2012." The single flash plant will have the capacity to be expanded to 13 MW.

## **Europe**

### **Germany: Traunreut Geothermal Project Underway**

Preliminary work is beginning by at the site of a [geothermal power plant in Traunreut, Upper Bavaria](#). Initial drilling operations will commence in September. The plant will have a capacity of up to 5 MW of electrical and 12 MW of thermal, district-heating power from two 5,000-m wells.

Insurance broker Dr. Schmidt & Erdsiek GmbH & Co. KG in cooperation with Munich Re provided cover for the exploration risk. Grünwald Equity Geothermie GmbH's Managing Director, Dr. Raimund König, commented: "Thanks to fruitful cooperation with Munich Re and Dr. Schmidt & Erdsiek GmbH, the exploration risk policy provides the best possible investment protection for our company, given the present situation and current state of knowledge, and taking the premium into account." Grünwald Equity Geothermie GmbH is planning a series of five geothermal power plants.



### **Turkey: High Temperature Geothermal Field Could Save Country Millions**

A [newly launched geothermal field](#) in the Aegean province of Manisa is considered capable of producing 100 million kWh of electricity annually and heating 7,000 homes. The Kavaklidere geothermal field could cut Turkey's energy imports by USD 40 million. Exploration of the field by the General Directorate of Mineral Research and Exploration showed temperatures reaching 287°C, the highest in Turkey and some of the highest in the world.

"Turkey's energy production from geothermal resources currently stands at 95 MW," said Minister of Energy and Natural Resources Taner Yildiz at the launching ceremony for the field. "By 2023, Turkey intends to have an installed capacity of 600 MW generated from geothermal resources," Yildiz added.

### **Pacific**

#### **Australia: Geothermal company in Pre-Open Pending Capital Raising Announcement**

KUTh Energy has been [granted a trading halt by the ASX](#) and will announce a capital raising, possibly at the geothermal project in Tasmania where KUTh own a special exploration license in the Lemont area. Extensive magnetotelluric geophysical survey work in 2008-2010 showed large electrically-conductive features, meaning the area is a deep, hot, naturally-fractured rock system and could be suitable for EGS development.

#### **Fiji: Mineral Resources Dep't Testing Geothermal Levels**

Work is ongoing as the Mineral Resources Department seeks to establish whether geothermal energy production is viable. Feasibility studies and exploration work is producing good results, and if a drilling program is successful, mining could begin, Mineral Resource Mining Manager Venasio Nasara [told press](#).

#### **Indonesia: PLN Official Expects 6000 MW Geothermal by 2019**

Mochamad Sofyan, head of the new and renewable energy division at state utility PLN expects an additional 6,000 MW from new geothermal projects by 2019 (up from 1,200 MW) and another 6,100 MW from large and small hydro plants (up from 4,000 MW). An increasing number of foreign and local firms in Indonesia are investing in geothermal, hydro and biomass power projects, he told press: "If I had enough time, I would be meeting investors every day," he said.

New geothermal development in Indonesia has the benefits of a market that needs its energy needs met and new interest from investors. Itochu, Sumitomo and Marubeni of Japan, and Britain's International Power have invested in green power, and French firms are expected to invest about \$2 billion in geothermal projects. Paul Butarbutar, South Pole's country director for Indonesia, [told Reuters](#) his firm had won approval for 3 geothermal projects totaling 330 MW.



### **New Zealand: Temporary Shutdown at Ngawha Station**

Geothermal operator Top Energy closed the Ngawha Power Station for repair after a computer failure. The failure created a pressure buildup that burst safety disc devices designed for that purpose. "They've done exactly what they are supposed to do, they sensed an overpressure and burst. Now it's just a matter of replacing those discs," Russell Shaw, chief executive of Top Energy. Shaw [told press](#) the failure was the first of its kind at the station and that Top Energy would investigate the cause.

### **Philippines: EDC Seeks Second \$75-M Loan from IFC**

Geothermal producer Energy Development Corp. is working to secure a loan worth \$75 million from International Finance Corp. for its planned power projects. This would be the second IFC loan of the same amount. "With our close to P10 billion cash in hand, we have a fully funded business plan, particularly to move rapidly on the 86-megawatt Burgos wind project," EDC president and COO Richard B. Tantoco [told press](#).

EDC's current projects, expected to be completed by 2015, are: the 150-MW Bacman geothermal plant and the 86-MW wind farm in Burgos, Ilocos Norte (2012); the 40-MW Tanawon and 20-MW Nasulo geothermal projects (2013); 50-MW Mindanao 3 geothermal project (2014); 40-MW Rangas geothermal project and 40-MW Kayabon project (2015).



<http://www.geo-energy.org/updates.aspx>

---

## **Notices**

### **New This Week**

#### **EIS Received for Salt Wells Energy Projects**

The EPA has received a final EIS (Doc. No. 20110231) regarding the Salt Wells Energy Projects and a proposal to implement three, separate geothermal energy and transmission projects in Churchill County. Contact Colleen Sievers at 775/885-6168. For other environmental impact statements received by the EPA visit:

<http://www.utilityproducts.com/news/2011/07/1466980106/epa-receives-eiss-for-soil-restoration-geothermal-energy.html>



**NOI/NOP Available, Desert Renewable Energy Conservation Plan**

The Federal and State Renewable Energy Action Team (REAT – California Energy Commission, California Department of Fish and Game, U.S. Bureau of Land Management, and U.S. Fish and Wildlife Service) has launched the joint environmental review for the Desert Renewable Energy Conservation Plan (DRECP), aimed at streamlining permitting of renewable energy facilities in the California desert.

The REAT is preparing a joint Environmental Impact Report and Environmental Impact Statement (EIR/EIS) for the DRECP, and the Bureau of Land Management's proposed amendment to the California Desert Conservation Area (CDCA) Plan.

The Notice of Intent (NOI) was published in the Federal Register today (can be found at <http://www.gpo.gov/fdsys/pkg/FR-2011-07-29/pdf/2011-19175.pdf>).

Three public scoping meetings are planned in August:

- August 16, 2011, 7–9 p.m., Doubletree Ontario Hotel, Lake Gregory Ballroom, 222 N Vineyard Ave., Ontario, CA 91764
- August 24, 2011, 2–4 p.m., California Energy Commission; Hearing Room A; 1516 Ninth St.; Sacramento, CA 95814
- August 24, 2011, 7–9 p.m.; California Energy Commission; Hearing Room A; 1516 Ninth St.; Sacramento, CA 95814

For questions regarding this DRECP, or the NOP, please contact Kristy Chew, Desert Renewable Energy Conservation Plan, CA Energy [Commission916/654-4818kchew@energy.state.ca.us](mailto:Commission916/654-4818kchew@energy.state.ca.us). For information about the DRECP, please see [www.drecp.org](http://www.drecp.org).

**IID Board Resolution on Tax Credit Passes 5-0**

*GEW* reported last week that Board members of the Imperial Irrigation District of California adopted a resolution to support the efforts of the geothermal industry and district staff in a ten-year extension of the Treasury's 1603 Cash Grant in Lieu of Production or Investment Tax Credits program. Director John Pierre later stated the IID Resolution that was in the July 19, 2001 Board package passed 5-0.



## **Indonesia Reverse Trade Mission Visits California, Nevada, Washington DC**

In last week's *GEW*, "GEA Briefs Geothermal Reverse Trade Mission Visitors from Indonesia" described GEA's involvement with the USTDA tour in Washington DC. The newsletter neglected to mention several companies who were also part of the mission, including Calpine, Ormat Technologies, and TerraGen. Calpine arranged a tour conducted by employee volunteers, as well as meetings, at the Visitors Center at The Geysers. More on the reverse trade mission is available at: <http://www.indonesiageothermal.govtools.us/>

## **Current Notices**

### **Blue Ribbon Panel Draft Report Available for Comment (August 5)**

The Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE) Geothermal Technologies Program assembled a geothermal Blue Ribbon Panel on March 22-23, 2011 in Albuquerque, New Mexico for a guided discussion on the future of geothermal energy in the United States and the role of the DOE Program. The Geothermal Blue Ribbon Panel Report captures the discussions and recommendations of the experts. DOE has made the draft Blue Ribbon Panel report available on-line, and is seeking comments by August 5th. The link to DOE's web site is: <http://www1.eere.energy.gov/geothermal/brp.html>. To comment, send an e-mail to: [DOE.Geothermal@ee.doe.gov](mailto:DOE.Geothermal@ee.doe.gov) with the subject line: "Geothermal Blue Ribbon Panel Report"

### **GEA Annual Meeting and Board Elections Set for August 16, Reno, Nevada**

The Geothermal Energy Association plans to hold its annual members meeting and elections for the GEA Board of Directors at the upcoming GEA Annual Meeting, which will take place from 3:00pm to 4:45pm, August 16 in Reno, NV at the Grand Sierra Resort and Casino. The GEA Annual Meeting will immediately precede the Geothermal Summit and will feature a presentation by GEA's Executive Director and staff on highlights of 2011 and outlook for 2012. Nominated for election to the Board are: Domenic Falcone (Falcone Associates), John W. Pritchett (SAIC), John McKinsey (Stoel Rives), and Mike Long (Ram Power). The meeting is open to the public.

### **Notice of Availability of the Draft Environmental Impact Statement for the West Chocolate Mountains (September 29)**

BLM's California Desert District Office, working with Ecology and Environment, Inc. has prepared an environmental impact statement (EIS) addressing solar and wind energy ROWs and geothermal leasing in the West Chocolate Mountains Renewable Energy Project Area in Imperial County. The BLM must receive written comments on the Draft CDCA Plan Amendment and Draft EIS within 90 days following the date the Environmental Protection Agency publishes its Notice of Availability for the Draft EIS in the Federal Register. (Notice posted July 1, 2011).



Comments related to the West Chocolate Mountains Renewable Energy Evaluation Area may be submitted by any of the following methods:

\* E-mail: [wcm\\_comments@blm.gov](mailto:wcm_comments@blm.gov). Show citation box

\* Fax: (951) 697-5299. Show citation box

\* Mail: Bureau of Land Management, California Desert District Office, 22835 Calle San Juan de Los Lagos, Moreno Valley, California 92533-9046, Attn: Peter Godfrey. Show citation box

For more information visit: [prepared an environmental impact statement \(EIS\)](#)

Click here to read the draft EIS: <http://www.blm.gov/ca/st/en/fo/elcentro/nepa/wcm.html>

---

## **Employment**

### **Employment Opportunities**

#### **Research Geologist/Geophysicist, United States Geological Survey**

The USGS in Menlo Park, California, has an opening for a Research Geologist/Geophysicist to conduct research in support of geothermal energy assessments, with a focus on the structural, geomechanical, thermal, and hydrologic properties of fault-hosted hydrothermal systems. Detailed information on the position can be found at <http://tinyurl.com/USGSGeothermalJob>. Individuals must apply online at <http://www.usajobs.gov/> to receive consideration. For more information about the USGS, visit: <http://www.usgs.gov/ohr/great.html>.

#### **Tenure-line Position, Energy Resources Engineering, Stanford University**

The Department of Energy Resources Engineering at Stanford University [invites applications for a tenure-line faculty appointment](#). The position is at the assistant professor level. It is desired that the selected candidate be able to start by January 2012.

The Department of Energy Resources Engineering focuses on a wide range of activities related to the recovery of the Earth's energy resources (e.g., hydrocarbons, geothermal, and renewables). The Department also has active research programs on carbon sequestration and clean energy conversions. ERE offers degrees in both energy resources engineering (B.S., M.S., Ph.D.) and petroleum engineering (M.S., Ph.D.). The ideal candidate should have research and teaching interests beyond traditional petroleum engineering disciplines.

We seek scholars with a Ph.D. in a relevant field with novel and innovative research interests in energy resources, such as in one or more of the following areas:

1. Energy systems modeling and optimization, for example integration of energy recovery and carbon sequestration



2. Engineering of enhanced geothermal systems
3. Recovery of unconventional energy resources, such as coalbed gas, shale gas or gas hydrates
4. Renewable energy resources

Please apply online at <https://academicjobsonline.org/ajo/jobs/685/> in electronic format (pdf only) with the following application material:

- cover letter
- curriculum vitae
- a statement outlining research and teaching interests
- the names of three references including e-mail addresses
- copies of up to five selected papers published in refereed journals over the past three years

We will begin reviewing applications on April 15, 2011 and will continue until a suitable candidate is identified.

### **Reservoir Engineering Manager – Geothermal, Chevron, Jakarta, Indonesia**

Chevron Asia Pacific Exploration and Production is accepting online applications for the position of Reservoir Engineering Manager located in Jakarta, Indonesia. To learn more about this exciting position and to apply visit [www.chevron.apply2jobs.com](http://www.chevron.apply2jobs.com) and search by requisition 081116435. All applicants must apply via the Chevron online application process.

### **Consultant, Geothermal Market in Turkey, EBRD**

The European Bank for Reconstruction and Development is considering a wide range of renewable energy proposals in Turkey, some of which are in the geothermal sector, and as such requires a consultant to provide an assessment of the Geothermal Market in Turkey. See <http://www.ebrd.com/pages/homepage.shtml> and <http://www.balkans.com/open-news.php?uniquenumber=91332>

### **NREL Seeking Applicants for Geothermal Analysis Group**

NREL seeking applicants with geothermal or related technical backgrounds that have strong analytical skills and good writing/communication skills. Apply for the positions online at [http://www.nrel.gov/employment/job\\_openings.html](http://www.nrel.gov/employment/job_openings.html).



---

## **Requests for Proposals**

### **Proposal Announcements**

#### **Industrial Assessment Centers, DOE (August 2)**

The U.S. Department of Energy requests proposals for Industrial Assessment Centers. Each IAC will provide extensive training for undergraduate and graduate engineering students in industrial processes, energy assessment procedures, and energy management principles. \$2 million expected to be available, up to 30 awards anticipated. Letters of Intent are requested, but are not required, and are due 7/19/11, final proposals due 8/2/11. For more info, go to: <https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0000490&agency=DOE>. Refer to Sol# DE-FOA-0000490. (Grants.gov 6/14/11)

#### **Clean Energy Program – Columbia, USAID (August 2)**

The U.S. Agency for International Development requests proposals for the Columbia Clean Energy Program. This RFP will support increased access to renewable energy sources and energy efficient practices in Colombia through a combination of project development support, technical assistance, and enabling environment reforms. Responses due 8/2/11. For more info, contact Manuel Omar Trigo at [otrigo@usaid.gov](mailto:otrigo@usaid.gov) at [https://www.fbo.gov/?s=opportunity&mode=form&id=68b398592b52fd70e2b65bf34938e2b6&tab=core&\\_cview=0](https://www.fbo.gov/?s=opportunity&mode=form&id=68b398592b52fd70e2b65bf34938e2b6&tab=core&_cview=0). Refer to Sol# 514-11-000003. (FBO 6/23/11)

#### **Subcontractors for Geothermal Heat Pump Systems, DOE (August 15)**

GEO has published three Requests for Proposal for subcontractors to perform tasks as part of the U.S. Department of Energy project to create a national certification standard for all primary personnel involved in the design and installation of geothermal heat pump systems.

RFP 07-08-2011 #1 - Market Research on Personnel Certification Standards

RFP 07-08-2011 #2 - Update of State Regulations Governing Geothermal Heat pump Systems

RFP 07-08-2011 #3 - Development of Job Descriptions of Personnel Involved in Geothermal Heat Pump Systems

Please visit [Request for Proposals](#) on the GHP National Certification Standard project website to review details of each of these opportunities. The deadline for submittal of proposals by prospective contractors is August 15, 2011.



**Call for Research Experiences for Undergraduates (REU) Site Proposals, NSF (August 24)**

Currently, the National Science Foundation (NSF) has an open call for Research Experiences for Undergraduates (REU) Site proposals. The Geothermal Technologies Program (GTP) and NSF REU program are collaborating on this program as a means to expand undergraduate research opportunities in the area of geothermal energy. The goal is to introduce more undergraduate students to renewable energy research and the many opportunities in science and engineering related to geothermal energy.

About REU: The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program.

This solicitation supports of student research through REU Sites. These sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome.

The deadline for REU Site proposals is August 24, 2011. For further details and how to apply, please visit: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5517&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5517&from=fund). If you have any questions, please contact the REU program manager, Esther Bolding at [ebolding@nsf.gov](mailto:ebolding@nsf.gov) or (703)292-5342.

**RE&EE Awards, State Energy Program, DOE**

The U.S. Department of Energy requests proposals for the State Energy Program. This program provides formula grants to State and Territorial energy offices to design and carry out renewable energy and energy efficiency priorities. \$39 million expected to be available, up to 56 awards anticipated. Due dates based on state/territorial program years. For more info, contact Sheldon Funk at [sheldon.funk@netl.doe.gov](mailto:sheldon.funk@netl.doe.gov) or go to: <https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0000507&agency=DOE>. Refer to Sol# DE-FOA-0000507. (Grants.gov 6/23/11)

**Innovative Manufacturing Initiative for Clean Energy, DOE (August 25)**

The U.S. Department of Energy requests proposals for the Innovative Manufacturing Initiative. This RFP will support manufacturing processes and materials to advance the clean energy economy. \$120 million expected to be available, up to 50 awards anticipated. Letters of Intent are required, and are due 8/1/11, final proposals due 8/25/11. For more info, contact [IMIFOA@go.doe.gov](mailto:IMIFOA@go.doe.gov) or go to: <https://eere-exchange.energy.gov/>. Refer to Sol# DE-FOA-0000560. (Grants.gov 6/24/11)



## **Request for Information on Geothermal Energy Expansion, HELCO, Big Island, Hawaii (August 31)**

In a request for information (RFI), Hawaii Electric Light Company [seeks information on expanding geothermal energy on Hawaii](#) Island from stakeholders including potential geothermal developers and interested landowners on next steps that take into account the renewable energy goals and clean energy policy of Hawaii within the state's unique community, cultural, historical, and environmental context. The full RFI is available at <http://GeothermalRFI.heco.com>. Responses requested by August 31.

## **Alaska Native Fund (October 15)**

The Alaska Conservation Foundation requests proposals for the Alaska Native Fund. The Fund seeks to advance Alaska Native priorities for protecting land and sustaining ways of life. The 2011 priority issues include: Climate Change, Food Security, Sustainable Economies, Energy, and Holistic Wellness. \$100K expected to be available, individual awards NTE \$20K. Letters of Inquiry are required, and are due 7/25/11, final proposals due 10/15/11. For more info, go to: <http://alaskaconservation.org/grant-opportunities/alaska-native-fund/>. (Tribal Climate Change Newsletter 6/2011)

## **Environmental Engineering, Energy for Sustainability, and Environmental Sustainability, NSF (February 17, 2012)**

The National Science Foundation requests proposals for the following programs, with responses due 2/17/12. :

- Environmental Engineering. The goal of this program is to encourage transformative research which applies scientific principles to minimize solid, liquid, and gaseous discharges into land, inland and coastal waters, and air that result from human activity, and to evaluate adverse impacts of these discharges on human health and environmental quality. \$9.4 million expected to be available, up to 44 awards anticipated. For more info, contact Paul Bishop at [pbishop@nsf.gov](mailto:pbishop@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501029](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501029). Refer to Sol# PD-12-1440. (Grants.gov 6/8/11)
- Energy for Sustainability. This program supports fundamental research and education in energy production, conversion, and storage and is focused on energy sources that are environmentally friendly and renewable. Sources of sustainable energy include: Sunlight, Wind/Wave, Biomass, and Geothermal. \$9.2 million expected to be available, up to 42 awards anticipated. For more info, contact Gregory Rorrer at [gorrer@nsf.gov](mailto:gorrer@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501026](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501026). Refer to Sol# PD-12-7644. (Grants.gov 6/8/11)
- Environmental Sustainability. This program supports engineering research with the goal of promoting sustainable engineered systems that support human well-being and that are also compatible with sustaining natural systems. \$5.4 million expected to be available, up to 45 awards anticipated. For more info, contact Bruce Hamilton at [bhamilto@nsf.gov](mailto:bhamilto@nsf.gov) or go to: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501027](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027). Refer to Sol# PD-12-7643. (Grants.gov 6/8/11)



---

## **Events**

### **Happening This Week**

#### **EGS Roadmap Workshop, DOE, San Francisco, CA (August 3–4)**

Enhanced Geothermal Systems (EGS) are engineered or enhanced reservoirs created to produce energy from geothermal resources that are otherwise not economical due to a lack of fluid and/or permeability. EGS technology can enhance existing geothermal systems and create new systems where appropriate thermal and geologic characteristics occur. EGS has the potential for accessing the Earth's vast resources of heat located at depth; the United States' potential is estimated at 16,000 GWe by the National Renewable Energy Lab (NREL). In an effort to facilitate development of and overcome the challenges associated with EGS so this vast resource can be developed, the Geothermal Technologies Program (the Program) has invited 17-20 EGS subject matter experts to participate in the upcoming EGS Roadmap Workshop. Input from a diverse group of experts is paramount to develop a robust roadmap and a suitable path forward for the EGS program. The workshop will take place August 3-4 in San Francisco, CA.

Individuals will have the opportunity to provide input during the public comment period. The Program will announce the release of the draft EGS Roadmap on its [home page](#) and by e-mail to the Geothermal Workshops and Webcasts distribution list. If you are not already part of the distribution list, please consider [subscribing](#). Please send any questions you may have to the EGS mailbox, [EGS@ee.doe.gov](mailto:EGS@ee.doe.gov).

#### **National Geothermal Academy, University of Nevada, Reno (June 20 to August 12)**

This summer the [National Geothermal Academy will hold its inaugural summer session at the University of Nevada, Reno](#). Forty students will be involved in an 8-week geothermal energy education program. Cornell University, Stanford University, Southern Methodist University, West Virginia University, the Oregon Institute of Technology, the University of Utah and Dartmouth will all participate. The Department of Energy awarded UNR a \$995,000 grant for the academy. "Indonesia, New Zealand and Iceland have held similar academies, but this academy is the first in our country," Wendy Calvin, coordinator of the academy and director of the University of Nevada Great Basin Center for Geothermal Energy, said in a statement. "Nevada has great local resources for the academy. The consortium selected our school because of its proximity to drilling sites, power plants and heat sources, as well as for its leadership in multidisciplinary research that has led to discovering new technologies for exploration, production and development of geothermal resources." For more information go to <http://www.unr.edu/geothermal/NGA.htm>



## New This Week

### **Gradient Resources announces Patua Project Ground Breaking Event**

The Ground Breaking at the Gradient Resources Patua Geothermal Project will take place Tuesday, August 16, 2011. Contact Christa Wicks 775-284-2468, or [christa.wicks@gradient.com](mailto:christa.wicks@gradient.com)

### **Geothermal Operations and Plant Optimization Conference, San Jose, California (September 15–16)**

Opportunities include:

- Key note presentations from Alterra US and Iceland, Ram Power, Pacific Gas and Electric and the Geothermal Program Office - US Navy
- Exclusive power plant maintenance and reservoir management workshop
- The latest solutions from PowerChemTech, GE Global Research and Baker Hughes
- Technology updates from Potter Drilling, Veizades & Associates and Global Power Solutions

To register - visit [www.geothermalinsider.com/operations](http://www.geothermalinsider.com/operations) or phone US toll free: 1 800 814 3459 ext 7565

## GEA Events

### **GEA's First-Ever National Geothermal Summit in Reno, Nevada (August 16–17)**

GEA is thrilled to announce the first ever National Geothermal Summit to be held Tuesday, August 16th and Wednesday, August 17th, 2011 at the Grand Sierra Resort and Casino in Reno, NV. "The City of Reno is proud to have 100 megawatts of geothermal power, enough to supply the entire residential load, permitted and being produced within the city limits. We are excited that experts from around the country and world are coming to Reno to learn more about geothermal development," said Reno Mayor Bob Cashell, who will address the geothermal industry at the event.

The Summit will kick off Tuesday, August 16th at 3pm with a GEA Members Meeting and Elections where GEA staff will present 2011 accomplishments and plans for 2012 and beyond and have Board elections. Following the GEA Members Meeting will be Keynote Presentations by high level invitees and a delicious networking dinner where GEA will give out the first Annual GEA Honors Awards. This will be a great evening commencing a great event. Wednesday, the 17th will be a chock full day with Keynote Presentations, two plenary sessions, an Expo, Job Fair, breakout sessions, and end of day closing reception.

Topics for the Summit include Outlooks for Washington and the Western States, Building New Transmission



Projects in the Western States, New Renewable Energy Policy Developments in CA, and Moving Geothermal Forward on Public Lands. An Expo Hall will feature government agencies, universities and leading geothermal developers from the growing geothermal industry. To see the floor plan for the Summit please visit:

<http://www.geo-energy.org/nationalgeothermalsummit/FloorPlan.aspx>.

As part of GEA's National Geothermal Summit (August 16-17, Reno NV) we will focus on jobs in the industry. Companies are invited to provide information relevant to jobs, host a jobs booth rather than a typical Expo booth, and join dialogue and interviews to be recorded to the GEA Web site as a tool for students and job seekers. Please consider sending an HR or other appropriate representative from your company to this event to focus on jobs in the industry — contact Leslie, [leslie@geo-energy.org](mailto:leslie@geo-energy.org) with questions, suggestions, and interest.

For details on attendee registration, event agenda, and floor plan visit <http://www.geo-energy.org/nationalgeothermalsummit/main.aspx>. For information about sponsorship opportunities, please contact Kathy Kent at 202.454.5263 or [kathy@geo-energy.org](mailto:kathy@geo-energy.org). Requests for media credentials should be directed to Adam Daley, The Rosen Group, at 646 695 7043 or [adam@rosengrouppr.com](mailto:adam@rosengrouppr.com).

### **Geothermal Energy Expo® and GRC Annual Meeting 2011, San Diego, CA (October 23–26)**

The GEA Geothermal Energy Expo is the world's largest gathering of vendors providing support for geothermal resource exploration, characterization, development, production and management. It provides a unique opportunity for exhibitors to showcase their projects, equipment, services and state of the art technology to the geothermal community.

“The 2011 Expo is certain to be the largest-ever gathering of the geothermal community,” said GEA Marketing and Events Director Kathy Kent. “Each year the growing geothermal industry comes together for this event and it has become the most vital gathering for companies and leaders developing geothermal resources around the world.” The 2010 Expo in Sacramento featured more than 2,500 attendees from 42 different states and 13 different countries. The sold out Expo Hall featured 162 exhibitors coming from 34 different states and 10 different countries. Please contact Kathy Kent, [Kathy@geo-energy.org](mailto:Kathy@geo-energy.org) for information, registration, sponsorship opportunities, etc.

### **Exhibitor Registration Open for GEA Geothermal Expo**

Washington, DC (March 11, 2011) – Registration for exhibitors at the 2011 GEA Geothermal Expo in San Diego, Calif. from Oct 23-26 has opened at <http://www.geothermalenergy2011.com/>.

### **Sponsorship Opportunities Available for GEA Events**

Your company has the opportunity for high visibility at GEA's 2011 events. In addition to providing the financial support needed for GEA to undertake successful events, GEA events feature media availabilities with sponsors



which garner extensive coverage in mainstream press outlets. Sponsorship details are posted online:

<http://www.geo-energy.org/images/GEA2011SponsorshipOpps9.pdf>.

## Other Events

### **Bonding Workshop and Geothermal Unit Training, BLM (August 23–25)**

There will be a geothermal bonding workshop at the BLM Nevada State Office to discuss potential changes to the bonding requirements (agenda will follow soon) on August 23rd (8 am- 4:30 pm) and 24th (8 am-12 pm). Also, the BLM Nevada State Office will be holding a geothermal unit training for industry on August 24th (1 pm -4:30 pm) and 25th (8 am-4:30, dependent upon questions). If you are interested in attending either the bonding workshop and/or unit training, please be sure to specify which event(s) you will be attending. Please let Sheila Mallory ([sheila\\_mallory@blm.gov](mailto:sheila_mallory@blm.gov)) know by July 8th, 2011.

### **RETECH 2011, The Renewable Energy Technology Conference & Exhibition, Washington DC (September 20–22)**

This year, RETECH will be held at the Walter E. Washington Convention Center in Washington DC. For information and to register, visit <http://www.retech2011.com>.

### **XIX Annual Congress of the Mexican Geothermal Association (September 22–23)**

XIX Annual Congress of the Mexican Geothermal Association (AGM)

Los Humeros, Pue., Mexico, 22-23 September 2011

<http://www.geotermia.org.mx>

### **CanGEA Events (September and November)**

For registration and more information on CanGEA events go to: <http://www.cangeaevents.ca>

- September 14–15, 2011 - Toronto, ON, Canada—CanGEA's 4th Annual Conference and Investment Forum. The event will showcase Canadian development, activities of Canadian and international companies, and plug in a comprehensive finance and investment element as part of its Investment Forum.
- November 9th, 2011 – Calgary, AB, Geothermal Power Forum and Networking Event

### **U.S.-Mexico Renewable Energy and Energy Efficiency Policy Roundtable, U.S. DOC, Mexico City, Mexico (September 26–27)**

*From DOC:* Join a senior U.S. Department of Commerce official in Mexico City for a U.S.-Mexico Renewable Energy and Energy Efficiency Policy Roundtable. The forum will help create a policy environment in Mexico capable of attracting renewable energy and energy efficiency (RE&EE) investment from the United States, address restrictions to U.S. RE&EE exports, and introduce U.S. companies to senior-level Mexican officials. In



addition, participating U.S. companies can present their products or services at a technical seminar organized at the Green Expo.

The Government of Mexico has set an ambitious goal of 15% renewable energy production by 2020; this is coupled with a significant interest in energy efficiency improvements. To accomplish these goals, significant investment over the next decade is needed – providing export opportunities for U.S. companies.

Participants in the two-day event will:

- Accompany a senior-level Department of Commerce official to meetings with the Government of Mexico on renewable energy and energy efficiency policy;
- Receive an invitation to an Ambassador's reception to network with Mexican officials and companies;
- Participate in a closed-door U.S.-Mexico Roundtable on Renewable Energy and Energy Efficiency Policy;
- Be invited to showcase products or services at the Green Expo's technical seminar; and
- Receive in-depth market information from the International Trade Administration on opportunities in the Mexican RE&EE market.

Cost is \$500; Participants are responsible for making their own travel arrangements. **Deadline for registration is August 15.** To register for the policy roundtable email: [ryan.mulholland@trade.gov](mailto:ryan.mulholland@trade.gov) or [aliza.totayo@trade.gov](mailto:aliza.totayo@trade.gov).

### **Turkey Renewable Energy and Energy Efficiency Trade Mission, U.S. DOC, Ankara-Istanbul-Izmir (December 5–9)**

Why Turkey? Why Now?

- \_ Turkey's renewable energy investments will exceed US\$ 20 billion during the next 5 years;
- \_ Large Wind Energy Potential Project Developments: 10,000 MW by 2015 and 20,000 MW by 2023.
- \_ Large hydroelectric power plant development potential: 5000 MW by 2015
- \_ Number 2 geothermal energy development potential in Europe and 5th in the world;
- \_ Number 2 in Europe in Solar Energy Potential
- \_ A new Renewable Energy Law passed on December 12, 2010 and increased guaranteed prices for different renewable energy resources;
- \_ Additional incentives provided for parts to be manufactured locally;
- \_ 10 years Power Purchase Guarantee;
- \_ Energy Efficiency Law in place;
- \_ Turkish Government is encouraging U.S. ESCOs to cooperate with Turkish ESCOs;
- \_ U.S. Department of Energy is leading a pilot project to develop 20 Energy Efficiency Projects in Izmir Ataturk Industrial Zone

What can you gain by participating in this TM?



- \_ A senior U.S. Department of Commerce executive will lead the mission and facilitate valuable introductions to key Turkish energy industry decision-makers;
- \_ A U.S. Export-Import Bank representative will travel with the delegation in all three cities and advise the participants on trade finance solutions;
- \_ 10-15 pre-scheduled meetings with potential partners, distributors, end users, or local industry contacts;
- \_ Meetings with key government decision makers and private sector firms;
- \_ Pre-travel webinars on subjects ranging from industry briefings to business practices in Turkey;
- \_ Meetings with CS Turkey's energy specialists in Ankara, Istanbul and Izmir, Turkey;
- \_ Transportation to all mission-organized meetings inside Turkey (all air transportation within Turkey is the responsibility of the mission participant);
- \_ The Trade Mission visit will provide visibility for participating American firms at networking receptions at the U.S. Ambassador's residence and U.S. Embassy press releases;
- \_ Cost for small and medium size firms: \$3.285; large companies: \$4.055.

Who should participate: U.S. renewable energy equipment and systems manufacturers, RE project developers, engineering firms, energy efficiency systems and equipment suppliers, project finance companies, and any other RE & EE companies. To apply, go to: <http://export.gov/california/kern/trademissions/>.

For more information please contact:

Glen Roberts, Director, Bakersfield & Fresno U.S. Export Assistance Centers

2100 Chester Ave., Ste. 110, Bakersfield, CA 93301

Tel: 661 637-0136

[Glen.Roberts@trade.gov](mailto:Glen.Roberts@trade.gov)

[www.buyusa.gov/kern](http://www.buyusa.gov/kern)

Serdar Cetinkaya, Renewable Energy Specialist, American Embassy - Ankara, Turkey

Dir. Tel. +90-312-457-7203

Cell: +90-532-311-6885

[Serdar.Cetinkaya@trade.gov](mailto:Serdar.Cetinkaya@trade.gov)

### **Renewable Energy World North America Conference and Expo, Long Beach, CA (February 14–16, 2012)**

The 2012 Renewable Energy World North America Conference and Expo event will take place February 14-16 in Long Beach, California — please save the date! GEA is on the planning committee and looks forward to highlighting geothermal energy at the event. If you have attended this in the past and would like to discuss next



year's event or offer suggestions for the planning committee please contact Leslie, [leslie@geo-energy.org](mailto:leslie@geo-energy.org) (other questions/comment also welcome).

---

**GEOHERMAL ENERGY WEEKLY**

A newsletter for the geothermal industry written by Leslie Blodgett and Karl Gawell

Copyright © 2011 Geothermal Energy Association

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

Phone 202-454-5261 Fax 202-454-5265

[leslie@geo-energy.org](mailto:leslie@geo-energy.org)

