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National News

BLM Draft EIS for West Chocolate Mountains Could Mean Geothermal Development

The Bureau of Land Management, which has identified 1,026 acres of public land in the West Chocolate Mountains Renewable Energy Evaluation area as suitable for three 50-MW geothermal power plants, released a draft environmental impact statement (EIS) on the area — a total 21,000 acres of federal land. The [draft is open for public comment](#) through September 29.

The decisions on the West Chocolate Mountains area — how it should be managed and whether it will be designated for development — will help determine the future of other areas where several projects can be sited close together, Ray Brady, leader of BLM's energy policy team in Washington, D.C. [told press](#).

Western Geothermal Partners requested a lease on a 640-acre section in 2005, which would be awarded under the terms of the draft EIS. Geothermal energy and solar energy are both considered potential energy sources for the area, which has sufficient transmission lines. The nearby Chocolate Mountains Aerial Gunnery range, where military pilots have trained since World War II, prohibits structures over 50 feet, which would rule out wind energy projects.

Blue Ribbon Panel Draft Report Provides Geothermal Investment Recommendations to DOE

A draft report detailing discussions and recommendations by experts on obstacles to geothermal energy and the role of the Department of Energy's (DOE) Geothermal Technologies Program (GTP) [is now available, and DOE is seeking comments by August 5](#). DOE is expected to use the report's recommendations, and the comments it receives on them, in formulating future spending and budget priorities.

The Geothermal Blue Ribbon Panel Report reflects the results of a geothermal Blue Ribbon Panel assembled by GTP on March 22–23, in Albuquerque, NM. The draft report makes specific recommendations for areas that should and should not be funded by DOE.

Panelists recommended that GTP work to invest in exploration activities and enhanced geothermal system (EGS) technologies, reduce costs, and explore known geothermal resource areas.

Policy recommendations included a cost-shared drilling program and a more streamlined permitting process.



The panel recommended against investment in low-temperature, coproduced, geopressured, and sedimentary resources, as well as geothermal education and workforce development.

To comment, send an e-mail to: DOE.Geothermal@ee.doe.gov with the subject line: "Geothermal Blue Ribbon Panel Report. Again, comments are due by August 5th.

Congress Considering Bills Affecting Geothermal Development in House and Senate

Both chambers of Congress continue discussion around two bills affecting aspects of the development of geothermal energy. In the Senate, The Geothermal Exploration and Technology Act of 2011, S.1142, proposed by Senator Jon Tester, would establish a revolving loan program with a sliding-scale cost-share formula to incentivize geothermal drilling.

"This bill is of particular interest to my home state of Alaska, since it will allow for co-leasing of geothermal production at the time that permits are issued for drilling of oil and gas wells," [Senator Lisa Murkowski said](#) at last week's Senate Energy and Natural Resources Committee hearing on the bill.

But, the Administration/DOE are still not sure about the bill. DOE equivocated in their testimony last week. While they recognized the problem exploration drilling poses to geothermal development, according to their statement "The Administration is still reviewing the bill; there are serious technical concerns that would need to be addressed. Any new program should be consistent with applicable laws and structured to mitigate risks and costs to the taxpayer."

Meanwhile, The Exploring Geothermal Energy on Federal Lands Act, H.R. 2171, proposed by Rep. Raul Labrador was approved by the House Natural Resources Committee last week along with three other renewable energy bills. The bill would streamline the environmental review process for some potential geothermal project areas. Limitations in size and site disturbance would determine whether a project would be exempt from permitting prior to test wells — all production wells would still require full environmental impact statements.

The Committee said in a press statement: "As part of House Republicans' American Energy Initiative, the House Natural Resources Committee passed with bipartisan support four bills, H.R. 2170, H.R. 2171, H.R. 2172 and H.R. 2173, to create jobs and increase renewable energy production on federal lands and water. The bills streamline burdensome regulations and cumbersome government permitting processes that have greatly slowed renewable energy development on public lands."

Walter Snyder, geosciences professor at Boise State University further specified: "What it allows them to do is get out there quickly and drill what are called slim holes," [he told press](#). Snyder, also director of the Intermountain



West Geothermal Consortium, explained the holes are just big enough for developers to allow for thermometers and other equipment in evaluation of sites.

To read the testimony submitted to the Senate Energy Committee on S. 1142, go to:

http://energy.senate.gov/public/index.cfm?FuseAction=Hearings.Hearing&Hearing_ID=e19bfc09-eac6-2e88-9fb2-35dae0d2af83. To read more about the legislation approved by the House Resources Committee, go to:
<http://naturalresources.house.gov/News/DocumentSingle.aspx?DocumentID=251553>

GEA Briefs Geothermal Reverse Trade Mission Visitors from Indonesia

The Geothermal Energy Association (GEA) recently participated in a Financing and Best Policy Practices Roundtable hosted by the U.S. Trade and Development Agency (USTDA) for its Indonesia Geothermal Power Development Reverse Trade Mission. In a presentation to the trade mission's Indonesian delegates GEA presented on the various federal and state-level policy incentives that are driving the current development of geothermal resources in the U.S. About 30 individuals were present at the roundtable event, including representatives from the Indonesian Institute for Clean Energy and the Indonesian Ministry of Energy and Mineral Resources as well as a large number of representatives from branches of Indonesia's provincial government. Additionally, representatives from Indonesia's state owned utility, PLN, and Pertamina Geothermal Energy (PGE) as well as Chevron Geothermal were also present.

Indonesia's geothermal energy potential has recently been estimated to be as much as 28,000 MW. In order to take advantage of this abundant renewable energy resource the Indonesian government has set a goal to have a total installed geothermal capacity of 9,500 MW by 2025.

Company News

GEA: Nominees Announced for Inaugural GEA Honors Awards

Winners to be named at the GEA National Geothermal Summit in Reno, Nev. on August 16 — Washington, DC (July 18, 2011) – The Geothermal Energy Association has announced the nominees for the inaugural [GEA Honors](#), designed to recognize the individuals and companies that have made significant contributions to the development of the geothermal industry. Winners will be named at an awards dinner on August 16 in Reno, Nev. in conjunction with the first ever [GEA National Geothermal Summit](#).

GEA Honors will be awarded to GEA member companies in three distinct areas: Technological Advancement, Economic Development and Environmental Stewardship. A Special Recognition Honor is open to the entire industry.



“It’s our duty as an association to highlight the efforts of companies and individuals that are advancing geothermal energy by leading the innovation, development and promotion of the industry through community engagement, education, and job creation,” said GEA’s Kathy Kent. “We are thrilled that we received such a strong response in GEA Honors’ inaugural year, and we look forward to honoring all of these nominees at our awards dinner at the GEA National Geothermal Summit next month.”

Technological Advancement – *Awarded to an individual or company that has developed a new, innovative or pioneering technology to further geothermal development.*

- Atlas Copco Gas and Process Division
- Enel Green Power North America Acoustical Energy Dissipaters aka “Silencers”
- GeoTek Energy LLC’s Gravity Head Energy Technology
- Nevada Geothermal Power’s Blue Mountain Faulkner 1 Plant
- Star Energy “Wayang Windu” facility in West Java
- TAS Energy Inc. New High Efficiency Binary Expander

Economic Development – *Awarded to an individual or company that has made a substantial contribution to the development of local, regional or national markets through the development of geothermal systems.*

- GeoGlobal Energy LLC’s GGE Chile SpA
- Ormat Technologies, Inc.
- Ram Power Corp’s San Jacinto-Tizate Geothermal Project
- Science Applications International Corporation (SAIC)

Environmental Stewardship – *Awarded to individual or company that has fostered outstanding environmental stewardship through the use of geothermal systems. These award nominations were evaluated by and will be presented in conjunction with the [Environmental and Energy Study Institute \(EESI\)](#).*

- EnergySource LLC/Hudson Ranch 1
- NV Energy
- Northern California Power Agency (NCPA)

Special Recognition – *Awarded to individuals and companies for outstanding achievement in the geothermal industry.*

- Charlene Wardlow, Ormat
- Dan Schochet, Ram Power
- Geothermal Development Associates
- Hezy Ram, Ram Energy, Inc.
- Jonathan Weisgall, MidAmerican Energy Holdings Company
- Larry Nickerson, Ormat



- Marilyn Nemzer, Geothermal Education Office
- POWER Engineers
- Wendell Howard, Geothermal Resource Group
- Wendy Calvin, University of Nevada Reno, Great Basin Center

The GEA National Geothermal Summit will bring together business and policy leaders to address the most pressing issues for the industry, including: outlooks for Washington D.C. and the western states, building new transmission projects in the west, new renewable energy policy developments in California, and moving geothermal forward on public lands. An Expo Hall will feature government agencies, universities and leading geothermal developers from the growing geothermal industry. For the event agenda or to register, 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. Requests for media credentials should be directed to Adam Daley, The Rosen Group, at 646.695.7043 or adam@rosengrouppr.com.

GEA: Geothermal Web Highlights Next Generation of Experts

Featured students represent the future of an industry poised for growth — Washington, DC (July 19, 2011) — This month, The Geothermal Energy Association (GEA) [recognizes students](#) poised to lead the next generation of geothermal energy on the [Geothermal Web](#), a public database connecting companies and individuals supporting, developing, and using geothermal energy.

Geothermal development in the United States is booming, and so is the need for a new generation of industry experts. Projects in advanced stages of development in Nevada, California and Utah alone have the potential to create more than 2,500 full-time positions.

“America is in need of clean, reliable, domestic sources of power, and geothermal energy has the potential to meet that need,” said GEA’s Kathy Kent. “The industry is eagerly looking for tomorrow’s shining stars that are capable of driving geothermal development into the next generation, and the Geothermal Web is proud to feature this promising group of students.”

From Stanford to Iceland, these young minds are impacting the industry beyond their years:

- **Andrew Fowler (University of California/ Davis, Calif.):** Andrew is in the geology program studying for an M.S. in Geochemistry, focusing on the evolution of fluid/rock interactions in geothermal systems in Reykjanes, Iceland, and Long Valley Caldera, Calif.



- **Scott Bennett (University of California/ Davis, Calif):** Scott is working on his Ph.D., focusing on the role that shearing plays in the ability to successfully rift a continent.
- **Sarah Pistone (Stanford University/ Palo Alto, Calif.):** Sarah is working towards an M.S. degree in Energy Resources Engineering.
- **Mark McClure (Stanford University/ Palo Alto, Calif.):** Mark is a Ph.D. student focused on modeling hydraulic stimulation in EGS.
- **Thomas Freeman (Utah State University, Logan , Utah):** Thomas is working on his Master's degree in geology and working with Project Hotspot and the Snake River Geothermal Drilling Project.
- **Rob Kenner (University of North Dakota/ Grand Forks, N. D.):** Rob is an M.S. student in Geology currently conducting research on heat flow and EGS resources in Minnesota.
- **Andres Ruzo (Southern Methodist University/ Dallas, Texas):** Andres is studying for a Ph.D. in Geophysics and is conducting research in energy finance.
- **Zach Frone (Southern Methodist University/ Dallas, Texas):** Zach is a Ph.D. student interested in focusing his research on the development of EGS and its potential in the Eastern U.S.
- **Kelly Blake (Temple University/ Philadelphia, Penn.):** Kelly recently completed her M.S. thesis on geophysical image log analysis of the Coso Geothermal Field.
- **Ryan Libbey (McGill University/ Canada):** Ryan is studying for his M.S. in Earth and Planetary Sciences, working on modeling mineralization phenomena in active geothermal reservoirs from Iceland and New Zealand. He is also involved in a study related to Enhanced Geothermal Resources in the Adelaide Geosyncline, Australia.
- **Jared Peacock (University of Adelaide, Australia):** Jared is working on his Ph.D. in Geophysics and is developing 4D monitoring of enhanced geothermal system fluids with magnetotellurics.
- **Sam Scott (Reykjavik Energy Graduate School of Sustainable Systems, Iceland):** Sam recently completed his M. S. in Sustainable Energy, focusing on hydrothermal fluid geochemistry.

The Geothermal Web emphasizes the growth of geothermal energy as a green, renewable, sustainable energy source and brings together a public network of geothermal energy users meeting energy needs through power production, heating, cooling, and agriculture. Geothermal Web members educate consumers about the benefits of geothermal energy by showcasing geothermal opportunities and the adoption of greener practices.

The Geothermal Web is an inclusive network open to every sector of the geothermal industry and to anyone supporting the expanded use of geothermal energy. With a newly launched website at www.geothermalweb.org, members will have access to the Geothermal Web database and are entitled to use the Geothermal Web seal, issued by GEA to companies and individuals in the geothermal industry, for their support of this green energy.

From August 16-17, the GEA National Geothermal Summit will convene industry and government leaders in one of the world's most important geothermal business centers, Reno, Nev. Summit attendees will discuss key



opportunities for the geothermal energy industry, as well as challenges to its success and growth. Complimentary admission is available to college students with valid credentials, and the Summit will host a job fair connecting employers with the next generation of professionals. For more information about the Summit, please visit <http://www.geo-energy.org/nationalgeothermalsummit/main.aspx>.

Students who would like to be featured on the Geothermal Web can email Kathy Kent at Kathy@geo-energy.org for more information.

Renewable Energy and Climate Change

DOE to Award Over \$6 Million for Clean Energy Projects on Tribal Lands

Press Release [\[Full story\]](#) — July 21, 2011 — U.S. Energy Secretary Steven Chu today announced 31 tribal energy projects to receive \$6.3 million over two years as part of the U.S. Department of Energy's ongoing efforts to support tribal energy development and continue strengthening the partnership with Tribal Nations. These competitively selected projects will allow Native American Tribes to advance clean energy within their communities by developing strategic energy plans, expanding the skills and knowledge of tribal members, and improving the energy efficiency of their buildings. These investments will help tribal communities to save money and reduce energy waste, expand the use of clean energy technologies, and promote economic development.

"Tribal Nations are well-positioned to take advantage of the benefits of clean energy and energy efficient technologies," said Secretary Chu. "Projects such as these will save energy and money, create long-term clean energy jobs, and spur economic development in tribal communities nationwide."

FERC Issues New Order on Transmission Planning and Cost Allocation

The Federal Energy Regulatory Commission (FERC) has [issued a new order on transmission planning and cost allocation](#), which promotes regional transmission planning and provides more clarity for cost allocation. The rule establishes three requirements for transmission planning and is expected to help renewable projects.

Under the rule, public utility transmission providers must utilize a regional planning process. Local and regional processes must establish procedures to consider public policy requirements under state or federal laws. And third, such providers must coordinate with neighboring transmission planning regions on efficiency and cost-effective solutions.



State News

California: IID Supports Extension of Geothermal Production Tax Credits

Board members of the Imperial Irrigation District of California this week adopted a resolution to support the extension of geothermal production tax credits:

Ten-Year Extension of the 1603 Cash Grant in Lieu of Production or Investment Tax Credits Program:

WHEREAS, the American Recovery and Reinvestment Act of 2009 allowed taxpayers eligible for the federal renewable electricity production tax credit to take the federal business energy production or investment tax credit or to receive a grant from the U.S. Treasury Department, and,

WHEREAS, renewable energy tax incentives have spurred technological innovation and enhanced the viability and deployment of geothermal resources in the Imperial Valley, and,

WHEREAS, Imperial County has one of the highest unemployment rates in the state and the growth and development of the geothermal industry is a catalyst for local job creation and advancement opportunities in the next decade and the future beyond, and,

WHEREAS, cash grants in lieu of tax energy production or investment tax credits are proven to be a more effective, efficient tool in achieving larger renewable energy policy goals, and.

WHEREAS, the lack of predictable United States tax incentive programs have failed to encourage sustainable renewable energy industry investment in the Imperial Valley, and,

WHEREAS, Congress created the Treasury Grant Program to foster and promote the development of clean, renewable energy, maximize the use of our abundant natural resources, enhance our national security and reduce our reliance on foreign sources of energy.

NOW, THEREFORE, BE IT RESOLVED that the Imperial Irrigation District Board of Directors hereby lends its unstinting support to the efforts of the geothermal industry and district staff in extending the Treasury's 1603 Cash Grant in Lieu of Production or Investment Tax Credits program for a period of 10 years.

PASSED AND ADOPTED this 19th day of July, 2011.

Hawaii: New Company Hopes to Purchase HEI, Shift Energy Use to Geothermal

Ku'oko'a, a new company [hopes to implement a plan to shift the state's energy consumption](#) from imported oil to renewable energy, mostly geothermal energy, within 10 years. The plan is estimated at \$35 billion and involves purchasing Hawaiian Electric Industries, which provides power to 95% of the state, and delivering geothermal energy from the Big Island to the other islands via underground cables. While Hawaiian Electric has said it would



not comment on any purchase offer, the company has earned several prominent supporters. Investors and board members include T.J. Glauthier, DOE's No. 2 official from 1999 to 2001; R. James Woolsey, CIA director from 1993 to 1995; Rob Robinson, a Hawaii venture capitalist and professor at the University of Hawaii; and Rick Blangiardi, general manager of local TV broadcaster Hawaii News Now.

Members of the group see a need for greater support than is available from the Hawaii Clean Energy Initiative, a 2008 DOE effort to reduce energy consumption by 30% and raise renewable energy production by 40% by 2030. "[The Initiative] does not go far enough and does not go fast enough," company GEO Roald Marth said at a Rotary Club of Honolulu meeting. "The cost of electricity and the cost of fuel is killing the economy of Hawaii — and it can be fixed."

Nevada: DOE-Funded UNR Great Basin Project Enters Phase 2

A University of Nevada–Reno project, supported by a \$1 million DOE grant, [is entering phase two](#) — five or six of 250 identified potential geothermal development sites will be studied in more detail to analyze faults and models for geothermal systems. The project could help reduce site-selection risk for geothermal projects.

The studies will provide data crucial for considering further development. "Most, about two-thirds, of the geothermal resources in the Great Basin are blind – that is, there are no surface expressions, such as hot springs, to indicate what's perhaps 1,500 feet below the surface," explained Jim Faulds, geologist and research professor at UNR.

Faulds, the principal investigator for the project, is working with six researchers and several graduate students. "[Studies] like this [will] enhance understanding of what controls hot fluids in the earth's crust and thus provide an exploration basis for industry to use in discovering and developing resources," he told press.

International News

Pacific

Australia: Details of Carbon Tax Released as Hot Dry Rocks, Petratherm Move Forward with Geothermal Projects

Prime Minister Julia Gillard released [details of a new carbon tax](#) on July 10, calling for \$3.2 billion for renewable energies and pricing carbon pollution at \$23 AUD per metric ton. The carbon price will take effect on July 1, 2012, with a three-year fixed-price period.



Following the announcement, Climate Change [Minister Greg Combet visited Geelong, Victoria](#) to meet with renewable energy companies likely to benefit from the new tax as well as unions and employees of companies with high emissions.

Geelong is part of the Otway Basin, which Australian Geothermal Energy Association CEO Susan Jeanes said “is expected to support generation projects in Hot Sedimentary Aquifers that are predicted by the Government, not us, to be the cheapest in the national market by 2030.”

Jeanes added that the industry needs private investors — “We don't have the funds and the big existing power companies are not being encouraged to invest in the emerging technologies yet,” she told press.

Meanwhile Hot Dry Rocks, based in Melbourne, has determined that a 500-kW geothermal pilot plant in the Maryvale area is feasible. The company expects the project, which received a \$217,000 grant from the state, to be completed by the end of 2012. Hot Dry Rocks technical director Graeme Beardsmore [told press](#), “We chose the Latrobe Valley out of the whole of Australia because it's the best place to trial this.” The [company also announced](#) it has appointed geothermal advocate Lawrence Molloy as new business development manager.

“The recent Carbon Tax announcement has given Australia's geothermal energy sector substantial impetus to grow,” Beardsmore said.

And Hallibuton has [completed fracture stimulation testing on the Paralena 2](#) well, part of a demo project by Petratherm, Beach Energy, and TRUenergy. The stimulated zone extends 900 m east and has temperatures ranging from 176°C at 3,750 m to 190°C at 4,000 m. “We've got the best of all three worlds – width, depth and heat. Now we have to have a look at the data and consider the best way of proceeding,” Petratherm CEO Terry Kallis told press. The next step in the project is to determine a location for drilling the Paralena 3 well. Petratherm has been allocated a \$63 million federal grant for the project.

Indonesia: Chevron and Star Energy to Expand Geothermal Portfolios

Chevron [may develop geothermal energy in West Sumatra](#), as Chevron Pacific Indonesia President Director A. Hamid Batubara looks into sites in the area with West Sumatra Deputy Governor Muslim Kasim. Chevron currently has geothermal plants in Gunung Salak and Garut, West Java, for a total capacity of 650 MW. West Sumatra is estimated to have 1656 MW of potential.

Meanwhile, [PT Star Energy](#) is delaying plans for an initial public offering (IPO) until next year. The company, with a current geothermal power output capacity of 230 MW, plans to begin construction next year on the third plant in West Java. The company is also looking into other possibilities, such as a new small plant on the island of Halmahera.



Japan: Geothermal Power Plant Planned for Iwate Prefecture

A geothermal plant by JFE Engineering Corp., Japan Metals & Chemicals Co., and Geothermal Engineering Co. is scheduled to open in 2015. If all goes according to plans, [the Hachimantai power plant in Iwate Prefecture](#) would be the first new geothermal plant in Japan in 16 years. While the country's hot springs industry has advocated against geothermal development in the past, the Hachimantai plant does not have any open hot springs facilities nearby.

Malaysia: Tawau Plans Country's First Geothermal Plant

Tawau Green Energy Sdn Bhd is planning to complete the [first geothermal energy plant in Malaysia](#) within three years. Project Director Andrew Amaladoss told press the company plans to seal an agreement with interested parties by September or October for a phase one 36-MW plant. The area has a capacity to generate 67 MW.

Northern Marianas: US Grant, NREL Report Support Geothermal Energy in CNMI

A \$1.26 million grant from the United States will go toward assessing geothermal energy resources and initial exploration in the Northern Marianas islands. "This grant will allow us to do a more detailed assessment and possibly some initial exploration to go ahead and prove that [geothermal] resource is available and hopefully we can calculate in what quantities so we can invite interested private firms and come in do production," [said acting governor Eloy S. Inos](#).

The grant comes as a [report from OIA's National Renewable Energy Laboratory](#) (NREL) identifies sites in Gualo Rai with high geothermal potential. Other potential sites for geothermal energy were identified in Susupe, Donni, Achugao, and Tanapag. The report calls for strategic planning to pursue drilling geothermal temperature gradient holes. The "Commonwealth of Northern Mariana Islands Initial Technical Assessment Report" also looks at wind, solar, and biomass in the Commonwealth.

Dr Colin Harvey, vice president of the International Geothermal Association [commented in an interview](#): "The Marianas are located on a subduction zone related to the Pacific plate, the Western margin of the Pacific plate and rather like New Zealand, it could have significant geothermal potential."

Harvey said increasing costs on fossil fuels is likely to drive renewable development in the Pacific, and commented on other potential for new geothermal development in the region: "Papua New Guinea currently generates, it's got 50 megawatts of generation capacity on one of the islands off New Britain, a place called Lihir and that is the largest current development of small Pacific Islands. But for sure, Vanuatu, perhaps parts of New Caledonia and then certainly Papua New Guinea. Papua New Guinea is recognized as having several thousand megawatts of potential."



Americas

Canada: Geothermal Project in Saskatchewan selected under utility green options program

Saskatchewan based [Deep Earth Energy Production Corp. has announced](#) its 5-MW geothermal project was selected by utility SaskPower for its Green Options Partners lottery. The project is located in Southeast Saskatchewan. The lottery provides a fixed price for all power produced under the contract, and is held each year for clean power producers that sell between 100 kW and 10 MW of electricity. This year's winning 13 projects total 46 MW.

Chile: EDC Applies for 13 Geothermal Concessions

Energy Development Corp., based in the Philippines, has applied [for 13 geothermal energy concessions](#). Of this, five are uncontested. The company expects the government of Chile to award the concessions within the year. President Richard Tantonco said his company plans to invest P20.6 billion to expand its generation portfolio by 1,542 (38%) in five years.

Europe

Iceland: Magma Intrusion Occurs in Previously Unknown High-Temp Geothermal Area

A [magma intrusion](#) in the western part of Vatnajökull caused a glacial flood last week, and could have been a minor eruption, although the 300-m-thick ice was not penetrated. The high-temperature geothermal area of the intrusion was previously unknown. Geophysicist Helgi Björnsson said further seismic activity is likely in the near future, and that the area should be monitored.

Geothermal Heat Pumps and Direct Use

Chicago Report Counts 18,000 Clean Energy Jobs in the State

A [report from the Environmental Law and Policy Center](#), a Chicago-based not-for-profit identified 316 clean energy companies in the state, employing over 18,000 people. The results showed 158 were located in the Chicago region, including 15 geothermal startups, like Indie Energy and Loop Geo. State-wide, there were 89 geothermal businesses. Illinois' legislature and Commerce Commission have supported the industry by requiring utilities to purchase more clean energy and providing savings for homeowners and businesses who install energy efficient systems.





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

Notices

New This Week

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. 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>

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 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 (RamPower). The meeting is open to the public.

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 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.



Requests for Proposals

Proposal Announcements

2011 Round of New Markets Tax Credit Program Allocations (July 27)

On Tuesday, May 31, 2011, the U.S. Department of the Treasury's Community Development Financial Institutions Fund (CDFI) announced the opening of the 2011 round of competition for \$3.5 billion in New Markets Tax Credit Program allocations. The application materials and related information are available at the [New Markets Tax Credit Program page](#) of the CDFI Fund website: www.cdfifund.gov.

Established in 2001, The New Markets Tax Credit Program stimulates investment of private sector capital into distressed communities by providing a tax credit to corporate or individual taxpayers who make qualified equity investments in designated Community Development Entities (CDEs). The CDEs then invest the capital raised into projects and businesses in low-income communities. Since the inception of the NMTC Program, the CDFI Fund has made 594 awards totaling \$29.5 billion in tax credit allocation authority to CDEs.

Important Program Deadlines

- NMTC Program Application: July 27, 2011
- Prior Allocatees' Issuance of Qualified Equity Investments: October 14, 2011

Note: CDE Certification application materials and resources are available on the CDFI Fund's [CDE Certification web page](#).

If you have any questions on the 2011 application process, need assistance in completing your 2011 application or CDE certification, or want additional information on the New Markets Tax Credit Program, please contact Gary Perlow, Director, New Markets Tax Credit Practice, at gary.perlow@reznickgroup.com.

Tender for 3 Geothermal Permits, British Columbia, Canada (July 26)

Crown Geothermal Resources will hold a "Competition for the Right to Explore and Develop Crown Geothermal Resources" on July 26, 2011, for three geothermal permit areas in the region of Squamish-Lilloet with First Nations interest by the Lil'Wat First Nation. Bids must be addressed to the Minister of Energy and Mines and mailed or delivered to the office of the Executive Director, Titles Branch, Titles and Corporate Relations Division, 6th floor, 1810 Blanshard Street, PO Box 9326 Stn Prov Govt, Victoria BC V8W 9N3. They must be received before 12:00 noon Pacific Daylight Time, Tuesday, July 26, 2011, for the privilege of obtaining geothermal rights, as detailed below and depicted on the attached map. Accepted bids will be announced the following day.



Bidding procedures and conditions are defined in Information Letter TITLES-10-01 available from the Titles and Corporate Relations Division, 6th floor, 1810 Blanshard Street, Victoria, BC V8W 9N3, telephone (250) 952-0333. The relevant documents are available at: <http://www.ilmb.gov.bc.ca/slrp/lrmp/surrey/s2s/plan/lrmp.html>

Renewables – City of Roseville, California (July 26)

The City of Roseville, Electric Department, seeks to procure eligible renewable energy resources from renewable electrical generation facilities. Responses due 7/26/11. For more info, go to: <http://www.roseville.ca.us/rfps/offers.asp>. (Green Power Network 6/28/11)

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 at <https://www.fbo.gov/?s=opportunity&mode=form&id=68b398592b52fd70e2b65bf34938e2b6&tab=core&cvview=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. If you have any questions, please contact the REU program manager, Esther Bolding at 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 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 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 or go to: 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 or go to: 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 or go to: 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

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

Focus on Jobs at National Geothermal Summit

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 with questions, suggestions, and interest.

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 (other questions/comment also welcome).



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>.

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. Requests for media credentials should be directed to Adam Daley, The Rosen Group, at 646 695 7043 or 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 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

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.



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) 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 or 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:

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GEOHERMAL ENERGY WEEKLY

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

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