



GEOTHERMAL ENERGY ASSOCIATION

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

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

Web Site: www.geo-energy.org

GEA UPDATE May 28, 2007

National News.....	2
House Science Committee Advances Legislation on Energy Research, Looks to Move Geothermal Research Legislation in June.....	2
Research at Sandia May Increase Cost-Competitiveness of Geothermal Energy.....	3
Energy Efficiency Investments and Renewable Energy Purchases together are "Twin Pillars" in Reducing Carbon Emissions.....	3
U.S. Seeks Support for Renewables from other IEA Countries.....	4
Agriculture Committee Adopts Resolution of 25 x '25.....	4
Company News.....	4
Calpine and California Energy Leaders to Announce Five-Year Renewable Energy Program at The Geysers Geothermal Resource.....	4
Calpine Names Sarah Novosel Senior Vice President - Government Affairs and Managing Counsel.....	5
Ormat: Signs New 20-Year Power Purchase Agreement With Nevada Power Company for Up to 30 MW of Geothermal Power.....	5
Sony: Buys Geothermal For Tokyo's Sony Building.....	6
Climate Change News.....	6
Dingell Statement at Hearing to Discuss Drafts on 2005 EPAct Title XVII Loan Guarantees.....	6
Bipartisan Legislation Calling for U.S. Action on Climate Change Passes Committee, Now on Its Way to the House.....	7
"Lead or Step Aside, EPA States Can't Wait on Global Warming:" Op-Ed by Governors of CA and CT.....	7
U.S. Carbon Dioxide Emissions from Fossil Fuels Declined by 1.3 Percent in 2006.....	8
Clinton Global Warming Amendment Approved by Senate Armed Services Committee.....	8
WWF Report: Possible to Meet Energy Demand and Stop Global Warming.....	8
Global CO2 Emissions Increasing Faster Than Expected.....	8
US Religious Leaders Urge Action on Global Warming.....	9
Bush Sees G8 Climate Change Principles Possible.....	9
Japan Proposes Halving GHG Emissions by 2050.....	9
State News.....	10
California: State Acts to limit use of Coal Power.....	10
California: California Energy Commission Promotes Clean Electricity Under Landmark Global Warming Law.....	10
Montana: Office of Geothermal Technologies Program 2nd Montana Geothermal Workshop Held on May 15 at Chico Hot Springs.....	10
Oregon: House Says Yes to Renewable Energy Bill.....	11
Oregon: Geothermal Energy Development Considered at Radar Project Site.....	11
Utah: to join Western Greenhouse Gas Trading Program.....	11
International News.....	12
Guatemala: Inde Geothermal Study Tender Attracts 2 Groups.....	12
Kenya: KenGen Looks to Renewables Like Geothermal to Supply Much-Needed Energy.....	12
New Zealand: Could join Western Emissions Market.....	12
Indonesia: PLN Announces Plans to Build 1000 MW of Geothermal Power.....	12
Notices.....	13
Nominations Sought for Individual "Shaping the Future of the Utility Landscape" (Due May 31).....	13
Energy Institute Accepts Entries for Orgs that Set New Standards of Excellence/Innovation (June 29).....	13

DOE Release Best Practices for Dist. Energy Interconnection Procedures for State Consideration	14
Requests for Offers/Proposals (RFPs).....	14
Request for Information on Geothermal Co-Production	14
Energy Innovations RFP (Due May 31).....	14
SMUD Renewables RFO (Due June 11).....	14
Applications for CREBs Sought.....	14
REEEP Offers 3 Million Euro for Clean Energy Projects in Developing Countries.....	15
Upcoming Events.....	15
DOE Technology Transfer Workshop, May 30-June 1, Arlington VA.....	15
World Environment Day 2007: Melting Ice - A Hot Topic?, June 5, Washington DC.....	15
Renewable Energy Fair, June 9-10, Loretto, Pennsylvania.....	15
Infrastructure Finance & Investment Summit, June 11-12, New York City.....	15
Geothermal Energy Utilization Associated w/Oil and Gas Development, June 12 – 13, Dallas, Texas ..	16
10 th Annual Sustainable Energy Coalition Expo, June 14, Washington, DC.....	16
CA Geothermal Development Plan Workshop, June 20, Woodland, California	16
4th Renewable Energy Finance Forum - Wall Street, June 20-21, New York, NY	16
GEA Trade Show/GRC Annual Meeting, September 30-October 3, Reno, Nevada.....	17

National News

House Science Committee Advances Legislation on Energy Research, Looks to Move Geothermal Research Legislation in June

The House Committee on Science and Technology recently approved a piece of legislation with the goal of furthering federal research and development in the energy information technology arenas. Among the bills marked up by the full Committee was H.R. 364, to provide for the establishment of the Advanced Research Projects Agency-Energy, the third piece from Chairman Bart Gordon’s (D-TN) package to clear the Committee. The bill was adopted by a bipartisan vote of 25-12. As amended, the measure authorizes \$4.9 billion for fiscal years 2008-2012 to establish an ARPA-E within the Department of Energy, modeled after the Department of Defense’s DARPA. The mission of ARPA-E would be to help decrease U.S. dependence on oil by rapidly developing and commercializing transformational, clean energy technologies. A Manager’s Amendment offered by Chairman Gordon was adopted by the Committee, as was an amendment offered by Rep. Bob Inglis (R-SC) – in collaboration with Chairman Gordon – that would help protect ARPA-E funding from earmarks and set aside funds to assist with tech transfer. The bill now moves to the full House for consideration. *To view the press release, please visit <http://science.house.gov/press/PRArticle.aspx?NewsID=1842>.*

In addition, the House Science Committee was continuing to work on legislation to authorize an Advanced Geothermal Energy Research Program at DOE, H.R. 2304, introduced by, Rep. Jerry McNerney (D-CA). As Rep. McNerney stated, “as a nation, it is imperative that we work towards energy independence. Geothermal energy should be an important component of our efforts because geothermal energy is an incredibly promising renewable energy source – it’s clean, constantly available and 100% domestic. This bill authorizes funding for the research and development of cutting edge geothermal energy technologies for the 21st century, which will both address global climate change and lead to the creation of a new energy technology economy.”

In summary, HR 2304:

- Authorizes \$80 million a year, from fiscal years 2008 through 2012;
- Establishes an “industry-coupled exploratory drilling” program, which is a cost-shared program with industry partners to demonstrate and apply advanced exploration technologies;
- Provides for the creation of two centers of technology transfer as information clearinghouses for the geothermal industry;

- Addresses R&D for Enhanced Geothermal Systems, in which no naturally-occurring fluid source or reservoir is available, thus a reservoir must be created to extract hot water or steam.

The House Science Committee's Subcommittee on Energy and the Environment was reportedly looking to schedule a vote on the legislation when Congress returns in early June from the Memorial Day recess/district work period.

Research at Sandia May Increase Cost-Competitiveness of Geothermal Energy

Research under way in Sandia National Laboratories' Geothermal Research Department may improve the economic feasibility of using geothermal energy to produce electricity, a recent press release reported. Randy Normann, project principal investigator, and colleague Joseph Henfling, are experimenting with Honeywell silicon-on-insulator (SOI) electronics and evaluating and designing new electronic instrument systems operating at up to 315 degrees C. That is more than 100 degrees hotter than systems presently available to the geothermal industry. The Sandia project is funded by the Department of Energy Office of Geothermal Technologies.

By using electronics that will function in high temperatures for extended periods, the costs of producing geothermal instrumentation will be reduced, thereby reducing the cost of geothermal energy. To fully exploit new technology, Sandia is developing new methods of assembly and supporting hardware. Because testing the individual electronics components in an actual geothermal well is impractical, the Sandia researchers conduct their experiments in a high-temperature oven in one of the Geothermal Research Department's labs. Instruments on the outside of the oven are connected by ceramic insulated wires to the electronics devices being tested. Each device is tested for function and performance at various temperatures.

The longest temperature run of the Sandia microprocessor circuit at 300 degrees C has been 72 hours. The test was interrupted only to cool the oven to add new experiments. The same electronic devices have logged 2,500 hours at 250 degrees C over a period of months. Normann anticipates that the use of high-temperature electronics could cut the cost of geothermal logging tools by \$4,500 each, or 20 percent of the total tool cost. To make the logger practical, however, additional testing and system development must be done. For example, Ronald Guidotti is working to develop a suitable high-temperature battery that could function in the geothermal environment without need for thermal isolation. *To view the press release, please visit <http://www.sandia.gov/media/geother.htm>.*

Energy Efficiency Investments and Renewable Energy Purchases together are "Twin Pillars" in Reducing Carbon Emissions

Aggressive investments in energy efficiency in the short run and growing purchases of renewable energy over the long run are a powerful one-two solution for businesses, local governments, and states aspiring to reduce their greenhouse gas emissions now, according to a new report by a pair of clean energy advocacy groups. The report, *The Twin Pillars of Sustainable Energy: Synergies between Energy Efficiency and Renewable Energy Technology and Policy*, by the American Council for an Energy-Efficient Economy (ACEEE) and the American Council on Renewable Energy (ACORE), represents the latest research in steps that can be taken now to combat global warming while improving U.S. energy security. Under realistic technology scenarios and the types of policy commitments that are emerging from many states and Congress, the report says that the U.S. can reduce its conventional electricity generation and carbon emissions by almost half in a 20-year timeframe. The report examines key policy areas where efficiency and renewables work well together. It contains case studies of both statewide programs and policies, and individual case studies at the building level. It concludes by recommending further steps for study and policy advocacy to apply renewable-efficiency synergies in policies and programs. *To download the report, please visit <http://aceee.org/pubs/e074.htm>.*

U.S. Seeks Support for Renewables from other IEA Countries

There is a great opportunity to put the International Energy Agency to good use, U.S. energy secretary Samuel Bodman told an IEA ministerial press briefing. The organization was founded to coordinate the response to supply disruptions and now can coordinate efforts to address short and long term energy security concerns facing countries around the world.

“The challenges are significant and, by now, we all know them well: growing demand, rising prices, increased instances of resource manipulation and limited access and greater attention to environmental and climate concerns,” he said. “And the needs are no less obvious; all nations need a reliable, affordable, clean supply of energy in order to ensure continued economic growth and prosperity.” The U.S. has articulated a “comprehensive, international strategy to increase U.S. and global energy security” and has “called on all responsible nations to join us in pursuing five goals,” he explained. “We must diversify our energy portfolios to include more alternative and renewable energy sources including biofuels, solar, wind and even nuclear. This will relieve pressure on energy markets and yield positive environmental benefits.”

“We must reduce our impact on the environment and deal with the serious challenges of climate change,” he added. “This is a global challenge and requires a global solution, and we believe that it must be addressed in the context of energy security and economic growth.” “We are at a critical juncture and, as leaders, it is our responsibility to not only identify challenges but aggressively pursue creative ways to develop solutions,” he concluded. “What are we prepared to do to address barriers preventing widespread deployment of clean energy technologies and advanced equipment?” *To view Bodman’s complete remarks, please visit <http://energy.gov/news/5063.htm>.*

Agriculture Committee Adopts Resolution of 25 x '25

The agriculture committee of the U.S. House of Representatives has adopted a resolution that calls for 25% of the country’s energy to come from renewables by 2025. The 25x'25 measure now moves to the House committees on Energy and Natural Resources for consideration. The resolution is also pending in the U.S. Senate. Currently, the House resolution (H. Con. Res. 25) has 63 co-sponsors while the Senate version (S. Con. Res. 3) has 32 co-sponsors to date. The chairman of the House agriculture committee, Collin Peterson (D-MN) and ranking member Bob Goodlatte (R-VA) are lead sponsors, with Representatives Mark Udall (D-CO) and Zach Wamp (R-TN). In the Senate, lead sponsors include Barack Obama (D-IL), Ken Salazar (D-CO), Charles Grassley (R-IA), Richard Lugar (R-IN), Chuck Hagel (R-NE), and agriculture committee chair Tom Harkin (D-Iowa). The initiative represents rural and urban constituencies with 500 supporters from farm, forestry, business, environmental and labor sectors. The coalition also includes one third of U.S. governors and nine state legislatures. *For more information, please visit http://agriculture.house.gov/list/press/agriculture_dem/pr_051707_markup.html.*

Company News

Calpine and California Energy Leaders to Announce Five-Year Renewable Energy Program at The Geysers Geothermal Resource

SAN JOSE, Calif. -- Calpine Corporation (OTC Pink Sheets: CPNLQ), the nation's largest renewable, geothermal power provider, is launching a multi-million green power program designed to increase power production at the company's Geysers geothermal operations in northern California. The program includes a new, two-year multi-rig drilling program for additional steam and repowering power plants. California energy and environmental leaders will join Calpine's Chief Executive Officer Robert P. May at 11 a.m. PDT on Thursday, May 31, 2007, at The Geysers Geothermal Visitor Center in Middletown, Calif., to announce Calpine's new geothermal power program.

WHEN: Thursday, May 31, 2007
8:30 a.m. Geothermal plant demonstration and tour.

11:00 a.m. Dedication ceremony followed by lunch.
2:00 p.m. Ribbon cutting event at the drill site.

Calpine senior management and keynote speakers can be made available at the event. To arrange for interviews, please contact Mel Scott (contact information below). Media tours of The Geysers also are available.

WHERE: Calpine's Geysers Geothermal Visitor Center
15500 Central Park Road
Middletown, CA 95461
1-866-GEYSERS

For more information visit: <http://www.calpine.com>

Calpine Names Sarah Novosel Senior Vice President - Government Affairs and Managing Counsel

SAN JOSE, Calif., May 21 /PRNewswire-FirstCall/ -- Calpine Corporation (Pink Sheets: CPNLQ) has named Sarah Novosel Senior Vice President-Government Affairs and Managing Counsel to lead Calpine's Washington, D.C. office and to continue to direct Calpine's federal regulatory practice before the Federal Energy Regulatory Commission (FERC) and other federal agencies.

"Sarah is a premier Washington energy attorney with significant knowledge of regulatory law and experience both in private practice and as a regulatory lawyer for several major energy companies. We are pleased to have Sarah assume management of the Washington office which plays a critical role in the company's strategic initiatives," stated Robert P. May, Calpine's Chief Executive Officer.

Ms. Novosel has been practicing energy law for more than 15 years and joined Calpine in April 2004 as Senior Regulatory Counsel. She began her career in 1991 with the law firm of Bracewell & Patterson in Washington, D.C., focusing on natural gas restructuring issues for local distribution companies and natural gas marketing clients. In 1996, with FERC's issuance of its electric transmission open access rule, Ms. Novosel directed her practice to electric regulation issues for power marketing and generation companies. A graduate of the University of Maryland with a bachelor's degree in Government and Politics, she earned her law degree from Georgetown University Law Center. *For more information visit:*
<http://www.calpine.com>

Ormat: Signs New 20-Year Power Purchase Agreement With Nevada Power Company for Up to 30 MW of Geothermal Power

New geothermal plant to be constructed by Ormat at geothermal site in rural Nevada
RENO, Nevada, May 24, 2007 - Ormat Technologies, Inc. (NYSE: ORA) today announced that one of its subsidiaries has signed a 20-year Power Purchase Agreement (PPA) with Nevada Power Company, a subsidiary of Sierra Pacific Resources, for the sale of energy produced from the Grass Valley Geothermal Power Plant to be built in Lander County in northern Nevada.

The PPA is subject to the approval of the Public Utilities Commission of Nevada and is projected to come on line in late 2010.

This new plant is expected to increase the total output supplied from Ormat to Sierra Pacific Resources by between 18 and 30 megawatts (MWs).

This agreement is the thirteenth PPA between Ormat and Sierra Pacific Resources, and the seventh executed since the enactment of Nevada's aggressive renewable portfolio standard (RPS) legislation in 2001. The renewable portfolio standard legislation requires 15 percent of all electricity generated in Nevada

to be derived from new renewable energy sources by the end of 2012. Three power plants are already in commercial operation and sell electricity under these new PPAs and a fourth power plant is expected to declare commercial operation by the beginning of 2008. These new PPAs will help Sierra Pacific to meet the upcoming commitment that requires 12% of energy from renewable sources by the end of 2009.

Dita Bronicki, CEO of Ormat said, "This new agreement characterizes Ormat's successful collaboration with Sierra Pacific to develop Nevada's vast geothermal potential, through an aggressive RPS program.

Mrs. Bronicki continued, "Already today, geothermal energy from the Steamboat Complex is sufficient to supply all the consumption of the residential customers of the city of Reno from a reliable most environmentally friendly resource situated in the city limits. The geothermal potential of Nevada and the responsible RPS program of Sierra Pacific will continue to contribute to our growth in our geothermal business."

The Grass Valley project will consist of a state of the art air-cooled binary or combined steam/binary power plant that re-injects 100 percent of all geothermal fluid produced, while consuming no water or chemicals. Additionally, geothermal power works continuously and thus the new plants will provide base load power 24 hours per day, 7 days per week. *To view the article, please visit <http://www.ormat.com/news-and-events/new-releases/05::24::07---ormat-technologies,-inc.-signs-new-20-year-ppa-with-nevada-power-co.-for-up-to-30-mw-of-geothermal-power.html>.*

Sony: Buys Geothermal For Tokyo's Sony Building

Sony Corp. has signed an agreement for more than 10 million kWh of geothermal power per year with Japan Natural Energy Co., TechOn reports. Combined with its preceding contract for wind power generation of 5.5 million kWh, Sony will be issued a Green Power Certificate of up to 15.5 million kWh per year. Sony has set a goal to reduce its greenhouse gas emission by seven percent on an absolute amount basis by 2010 from the amount it emitted in 2000. Of the green power Sony has contracted, approximately 2.9 million kWh will be allotted to power consumption in common area at Sony Building (Tokyo) from June 2007. Combined with the amount already allotted to the showroom area, green power will account for about 75 percent of overall power used at Sony Building, Sony said. *To view the article, please visit <http://www.environmentalleader.com/2007/05/25/sony-buys-geothermal-for-tokyos-sony-building/>.*

Climate Change News

Dingell Statement at Hearing to Discuss Drafts on 2005 EPAct Title XVII Loan Guarantees

At a recent hearing to discuss drafts of energy efficiency, smart electricity grid, energy policy act of 2005 title XVII loan guarantees, and standby loans for coal-to-liquids projects, John Dingell, Chairman of the Committee on Energy and Commerce said, in part:

“Over the years, energy legislation has been a staple of this Committee's efforts, and it remains a continuing focus and challenge. Less than two years ago, Congress enacted the Energy Policy Act of 2005, which touched on matters ranging from electricity markets to oil and gas policy to renewable energy. Today, the Committee prepares to take the next step forward by holding a legislative hearing on four Discussion Drafts circulated by Chairman Boucher last week. . . . The Speaker has asked the committees with energy-related jurisdiction to report legislation before the Independence Day District Work Period. These four Discussion Drafts represent a solid beginning and, as Chairman Boucher has indicated, will be followed by drafts on other significant matters. Today's hearing will help Members define areas of concern and areas of potential agreement regarding energy efficiency, smart electricity grid, DOE loan guarantees and coal-to-liquids programs. This will take us one step closer toward reporting legislation built from our past work to benefit our Nation's future. I look forward to working with Chairman Boucher and all Members of the Committee

in the coming weeks, and to the testimony of today's witnesses.” *To view the press release, please visit http://energycommerce.house.gov/Press_110/110st56.html*

Bipartisan Legislation Calling for U.S. Action on Climate Change Passes Committee, Now on Its Way to the House

The International Climate Cooperation Re-engagement Act (H.R. 2420), which is co-sponsored by Congressmen Chris Smith (R-NJ) and Ed Markey (D-MA), mandates U.S. re-engagement in the effort to reach a global agreement that requires binding emissions mitigation commitments from all the major emitters, including China, India, and Brazil. It supports energy export policy and assistance programs that will promote clean-energy production in even the poorest countries. Where currently low-level negotiators have been sent by the United States to key international meetings on climate change, under the new legislation the U.S. representatives to critical meetings would be senior diplomats with instructions to secure binding commitments for reform. The bill also allocates money to the US Agency for International Development to work with developing nations to improve energy efficiency and to bolster the regulatory and financial environments for adopting clean-energy technologies. The legislation is now expected to go to the House for a vote in June or July. It is intended to be part of a larger, comprehensive climate-change legislative package that House Speaker Nancy Pelosi has asked all relevant House committees to undertake. *To view the press release, please visit http://foreignaffairs.house.gov/press_display.asp?id=358.*

“Lead or Step Aside, EPA States Can't Wait on Global Warming:” Op-Ed by Governors of CA and CT

A recent editorial in the Washington Post, written by California Governor Arnold Schwarzenegger and Connecticut Governor Jodi Rell says, in part:

“It's bad enough that the federal government has yet to take the threat of global warming seriously, but it borders on malfeasance for it to block the efforts of states such as California and Connecticut that are trying to protect the public's health and welfare. ...California, Connecticut and 10 other states are poised to enact tailpipe emissions standards -- tougher than existing federal requirements -- that would cut greenhouse gas emissions from cars, light trucks and sport-utility vehicles by 392 million metric tons by the year 2020, the equivalent to taking 74 million of today's cars off the road for an entire year. ...Even after the Supreme Court ruled in our favor last month, the federal government continues to stand in our way.

Another discouraging sign came...when President Bush issued an executive order to give federal agencies until the end of 2008 to continue studying the threat of greenhouse gas emissions and determine what can be done about them. To us, that again sounds like more of the same inaction and denial, and it is unconscionable.

Under the Clean Air Act, California has the right to enact its own air pollution standards, which other states may then follow, as long as the EPA grants California a waiver. The waiver gives California, and other states, formal permission to deviate from federal standards. California has requested more than 40 such waivers over the past 30 years and has been granted full or partial permission for most of them. ...The EPA is finally holding the first of two hearings on the waiver request, and we welcome the opportunity to call attention to the harmful effects that global warming is having on people and the environment. But we are far from convinced that the agency intends to follow the law and grant us our waiver. If it fails to do so, we have an obligation to take legal action and settle this issue once and for all. The threat is real. Scientists tell us that if nothing is done to stop the warming of Earth's atmosphere, we can expect an increasing number of droughts, greater risk of forest fires, a reduction in our snowpack, an increase in sea levels, more flooding in winter and hotter temperatures in summer. There can be little debate anymore on whether the effects of climate change constitute a looming threat to the public's health and welfare.

California, Connecticut and a host of like-minded states are proving that you can protect the environment and the economy simultaneously. It's high time the federal government becomes our partner or gets out of

the way. To view the complete letter, please visit <http://www.washingtonpost.com/wp-dyn/content/article/2007/05/20/AR2007052001059.html?referrer=emailarticle>.

U.S. Carbon Dioxide Emissions from Fossil Fuels Declined by 1.3 Percent in 2006

U.S. carbon dioxide emissions from burning fossil fuels decreased by 1.3 percent in 2006, from 5,955 million metric tons of carbon dioxide (MMTCO₂) in 2005 to 5,877 MMTCO₂ in 2006, according to preliminary estimates released today by the Energy Information Administration (EIA). The economy, as measured by Gross Domestic Product (GDP), grew by 3.3 percent and energy demand fell by 0.9 percent indicating that energy intensity (energy use per unit of GDP) fell by 4.2 percent. Carbon dioxide intensity (CO₂ emission per unit of GDP) fell by 4.5 percent. Through 2006, total U.S. energy-related carbon dioxide emissions have grown by 17.9 percent since 1990. Energy-related carbon dioxide emissions account for over 80 percent of U.S. greenhouse gas emissions. *The preliminary estimates are on EIA's web site at <http://www.eia.doe.gov/oiaf/1605/flash/flash.html>.*

Clinton Global Warming Amendment Approved by Senate Armed Services Committee

The Senate Defense Authorization Act for Fiscal Year 2008 includes a provision to require the Department of Defense to consider the national security risks posed by global warming in the National Security Strategy, National Defense Strategy and Quadrennial Defense Review. Senator Clinton (D-NY) offered the provision as an amendment to the bill during committee markup May 24, and it was approved by a 19-6 vote. "Global warming poses many risks, and national security is part of the equation," said Senator Clinton. "We need to start considering how global warming will impact our national security interests, and my amendment will help to begin that process at the Department of Defense." The Clinton amendment implements many of the recommendations of a report authored by eleven retired three and four-star admirals and generals and released by the CNA Corporation in April. *To view the article, please visit <http://clinton.senate.gov/news/statements/details.cfm?id=275176&=&>.*

WWF Report: Possible to Meet Energy Demand and Stop Global Warming

Sustainable energy and technology can curb climate change and meet projected growth in demand for energy but only if key decisions are made within the next five years, according to a new WWF report. *Climate Solutions: WWF's vision for 2050* concludes that sustainable technologies can meet global projected energy demand while avoiding the most dangerous impacts of climate change. But it warns that the governmental policies needed to propel this transition are not now in place, or even in prospect in most cases. The study showed with a high degree of probability (greater than 90 percent) that known energy sources and proven technologies could be harnessed between now and 2050 to meet a projected doubling in global demand for energy while at the same time achieving the necessary significant drop (about 60-80 percent) in carbon dioxide emissions needed to prevent dangerous climate change. *To view the press release, please visit <http://www.worldwildlife.org/news/displayPR.cfm?prID=382>.*

Global CO₂ Emissions Increasing Faster Than Expected

According to a paper published in the May 22 issue of the Proceedings of the National Academy of Sciences, worldwide CO₂ emissions rose at a faster rate in 2000-2004 than the worst-case scenario imagined in this year's United Nations Intergovernmental Panel on Climate Change (IPCC) reports. The paper explains that the average growth rate of carbon dioxide emissions increased from 1.1 percent a year in the 1990s to a three percent increase per year in the 2000s.

Lead author Dr. Mike Raupach with CSIRO Marine and Atmospheric Research and the Global Carbon Project, said "a major driver of the accelerating growth rate in emissions is that, globally, we're burning

more carbon per dollar of wealth created. In the last few years, the global usage of fossil fuels has actually become less efficient. This adds to pressures from increasing population and wealth."

"As countries undergo industrial development, they move through a period of intensive, and often inefficient, use of fossil fuel. Efficiencies improve along this development trajectory, but eventually tend to level off. Industrialized countries such as Australia and the United States are at the leveling-off stage, while developing countries such as China are at the intensive-development stage. Both factors are decreasing the global efficiency of fossil fuel use."

Dr. Chris Field, one of the authors of the report and director of the Carnegie Institution's Department of Global Ecology, said that the first part of the solution "requires shifting more of the economy toward activities like service industries and information technology, where emissions can be lower, as well as emphasizing energy efficiency." The second part of the solution, he says, "requires deploying new sources of non-emitting energy like wind, solar, and nuclear power." *Reported by EESI. For more information, please visit <http://www.pnas.org/cgi/content/abstract/0700609104v1>.*

US Religious Leaders Urge Action on Global Warming

Christian, Jewish and Muslim leaders are urging President George W. Bush and Congress to take action against global warming, declaring that the changing climate is a "moral and spiritual issue." In an open letter published recently, more than 20 religious groups urged US leaders to limit greenhouse gas emissions and invest in renewable energy sources. "Global warming is real, it is human-induced and we have the responsibility to act," says the letter, which ran in Roll Call and the Politico, two Capitol Hill newspapers. "We are mobilizing a religious force that will persuade our legislators to take immediate action to curb greenhouse gases," it says.

The letter is signed by top officials of the National Council of Churches, the Islamic Society of North America and the political arm of the Reform branch of Judaism. Top officials from several mainline Christian denominations, including the Episcopal Church, United Methodist Church, Presbyterian Church, African Methodist Episcopal Church and Alliance of Baptists also signed the letter, along with leaders of regional organizations and individual churches. Rev. Joel Hunter, a board member of the National Association of Evangelicals, also signed the letter, though that group has not officially taken a stance on global warming due to opposition from some of its more conservative members. *For more information, please visit <http://www.planetark.com/dailynewsstory.cfm/newsid/42094/story.htm>.*

Bush Sees G8 Climate Change Principles Possible

President George W. Bush said recently it is possible that Group of Eight leaders will be able to reach agreement on some basic principles on how to confront global climate change. But Bush, in an interview with Reuters, said he doubted there could be an effective approach to dealing with climate change globally without the participation of major polluters China and India. The leaders of the United States, Britain, Russia, Canada, Japan and Italy meet on June 6-8 in the Baltic resort town of Heligendamm, Germany, and German Chancellor Angela Merkel has put climate change high on the agenda. Asked if he expected an agreement to come out of the summit, Bush said: "Too early to tell right now. I would hope so. I hope we can reach an agreement on some basic principles ... I think we can reach agreement on principles." He said he wanted to work with the Europeans, Chinese and Indians to come up with a way forward that reduces greenhouse gasses blamed for global warming without endangering economic growth and promotes environmentally conscious technologies.

For more information, please visit <http://www.planetark.com/dailynewsstory.cfm/newsid/42091/story.htm>.

Japan Proposes Halving GHG Emissions by 2050

On May 24, Japan's Prime Minister Shinzo Abe said the world should aim to cut greenhouse gas emissions in half by 2050 as part of a new global warming pact to succeed the Kyoto Protocol. The plan is believed to

be less demanding than other proposals from European countries such as the UK. But Prime Minister Abe said it was important to come up with a scheme flexible enough to win over those countries which are among the world's biggest polluters.

Abe, who plans to present his idea at the Group of Eight (G-8) summit in Germany in June, said, "we must create a new framework which moves beyond the Kyoto Protocol, in which the entire world will participate in emissions reduction." He said that different countries might need to take different kinds of measures and that Japan would help by sharing the knowledge that has allowed it to become the most energy-efficient country in the world. *Reported by EESI. For more information, please visit <http://news.bbc.co.uk/2/hi/asia-pacific/6688279.stm>.*

State News

California: State Acts to limit use of Coal Power

The California Energy Commission recently imposed new rules that effectively forbid the Los Angeles Department of Water and Power and all other municipal utilities in the state from signing new contracts with coal-fired power plants. The DWP buys 47% of its power from two massive coal-fired plants in Utah and Arizona. Those contracts expire in 2017 and 2027. Now, under state law, they cannot be renewed unless those plants find a way to pump their emissions underground, but the technology to do so is unproven. Nor can Pasadena, Burbank, Glendale and other cities that own their utilities forge any new contracts with coal-fired generators, or with gas-fired plants that lack modern pollution controls. The state's action will help Villaraigosa carry out his recent pledge to increase the amount of renewable power to 35% of the city's energy portfolio by 2020, Nahai said. He said the city expects only a moderate increase in electricity rates as a result — about 1.4% over the next five years for an average-sized business. "It is affordable, and the cost will be spread over a long period of time." If other states adopt California's approach, it will make renewable energy more competitive with cheap coal. *For more information, please visit <http://www.latimes.com/news/print/edition/california/la-me-coal24may24,1,2572315.story?coll=la-headlines-pe-california&ctrack=1&cset=true>.*

California: State Energy Commission Promotes Clean Electricity Under Landmark Global Warming Law

The Los Angeles Department of Water & Power, Sacramento Municipal Utility District, and other municipal utilities in California will have to make long-term investments in clean electricity generation under new regulations adopted by the California Energy Commission. The rules are required under the state's landmark Greenhouse Gas Emissions Performance Standard Act and will help California achieve its ambitious goal of reducing global warming pollution by 30 percent by 2020. The global warming emissions performance standard is applicable to any of the workhorse power plants – or "baseload" generation – that supply electricity around the clock, no matter if those plants are inside California's borders or not. It prohibits additional long-term investment (of five years or longer) on behalf of California consumers in these facilities unless their emissions of global warming pollution are as low, or lower, than emissions from a clean and efficient natural gas power plant. The maximum emissions of a power plant allowed under the CEC and CPUC regulations are 1,100 pounds of carbon dioxide per megawatt hour of electricity. According to the CEC, about 21 percent of electricity consumed in CA comes from coal. *To view the press release, please visit <http://www.nrdc.org/media/2007/070523.asp>.*

Montana: Office of Geothermal Technologies Program 2nd Montana Geothermal Workshop Held on May 15 at Chico Hot Springs

Roger Hill of Sandia National Laboratories was the featured speaker for the 2nd Montana State Geothermal Working group meeting held a Chico Hot Springs, a location approximately 30 miles north of Yellowstone National Park. Other speakers were Daniel Fleischman of Ormat and Kathi Montgomery, of the Montana

Department of Environmental Quality. Of the nearly 30 attendees, most had a connection with hot springs and at least one attendee was working on a power generation project.

Oregon: House Says Yes to Renewable Energy Bill

The Oregon House passed a landmark renewable energy bill recently, giving Gov. Ted Kulongoski a decided win on a centerpiece of his environmental agenda. The 40-19 vote followed a lengthy debate on a bill that would require utilities to get 25 percent of their electricity supplies from wind, solar and other renewable resources by 2025. "The bill continues the Oregon legacy of innovation and environmental stewardship and represents the single most important action we can take to accelerate our transition to a renewable energy market," Kulongoski said in a statement. Proponents say Senate Bill 838 will lead to a cleaner environment and a healthier economy as wind, wave, solar and geothermal facilities crop up throughout the state. Opponents worry that renewables will be more expensive than traditional resources and will drive up electricity rates. The Senate passed a similar version of the legislation last month. Kulongoski said he will sign the bill as soon as the Senate concurs with the changes made by the House.

For more information, please visit

http://blog.oregonlive.com/politics/2007/05/house_says_yes_to_renewable_en.html.

Oregon: Geothermal Energy Development Considered at Radar Project Site

Governor Kulongoski has told state agencies to help find uses for the site of a \$313 million radar project built to track squadrons of Russian bombers. It was completed as the Soviet Union was about to collapse -- and abandoned by the US Air Force. The Over-the-Horizon Backscatter radar system was built in Eastern Oregon in the 1980s. But it never was put to use, even though officials tried after the Cold War ended to find alternative purposes. Lake County commissioners asked Kulongoski to declare the site an Oregon Solutions program. That means state agencies would coordinate efforts to develop the site, which is on 2,500 acres of Bureau of Land Management property. US Representative Greg Walden has pressed agencies to determine if the site can be used for generating wind, solar or geothermal energy. *To view the article, please visit* <http://www.ktvz.com/Global/story.asp?S=6570241>.

Utah: to join Western Greenhouse Gas Trading Program

Utah Gov. Jon Huntsman Jr. (R) was joined by California Gov. Arnold Schwarzenegger (R) in Utah as he signed the Western Regional Climate Action Initiative, which calls for an overall reduction of regional GHG emissions through trading of emissions credits beginning in 2012. Schwarzenegger and the governors of Arizona, New Mexico, Oregon and Washington, signed the pact in February. Although Utah has already set a goal of improving its energy efficiency by 25 percent by 2015, Huntsman said in a prepared statement that he has been intrigued by the other Western states' desire to take a lead on controlling GHG emissions, adding that he hopes the initiative will serve as a "guidepost" for a national emissions policy. "It's in line with the priorities I have for the state," Huntsman said of the Western Regional Climate Action Initiative. "Climate change is a real issue and one that we all need to get smart about."

The Western Initiative calls on members to adopt a regional emissions cap and to develop a market-based cap-and-trade system. It also will set up a carbon "registry" for business, cities and other organizations to measure gas emissions and reductions. Environmental groups welcomed Utah's decision but cautioned that the Western Initiative will need to spell out details for the environmental programs. The California measure is the most far-reaching greenhouse emissions law in the US, aiming to cut gas emissions to 1990 levels by 2020, a 25 percent reduction. *For more information, please visit* <http://www.planetark.com/dailynewsstory.cfm/newsid/42092/story.htm>.

International News

Guatemala: Inde Geothermal Study Tender Attracts 2 Groups

Two groups have submitted bids to Guatemala's state power company Inde for an international tender to carry out a geophysical exploratory study of the Tecuamburro geothermal area, an Inde geothermal division official told the news organization BNAmericas. The tender aims to advance development of the country's geothermal potential as Guatemala's only geothermal production comes from US firm Ormat's operations in the country. Technical offers are under review, economic bids will be opened in about a week and a decision is expected at the end of June, the official said. Names were not disclosed. The winner will use magnetotelluric technology to carry out the work, which will support completion of a feasibility study for Tecuamburro in Santa Rosa department some 80km from capital Guatemala City. Work will take roughly a year. Tecuamburro's generation potential would range from 25-50MW. *For more information, please visit <http://bnamericas.com/story.jsp?sector=10¬icia=393717&idioma=I>.*

Kenya: KenGen Looks to Renewables Like Geothermal to Supply Much-Needed Energy

Addressing the German World Bank Forum in Berlin recently ahead of the G8 Summit, Mr Eddy Njoroge, KenGen's managing director, said the continent faced challenges attracting investment in the power sector as tariff setting is still politically motivated. Njoroge, said that the required power capacity in Africa in the next 25 years — an additional 269GW — required an estimated \$563 billion (Sh38 trillion) in additional investment, according to the International Energy Agency. Njoroge told the summit that after almost 20 years of power sector reforms in Africa, the gap is still wide with low access levels. In Africa, access to electricity is said to be as low as five per cent in some countries. However, he pointed out that there had been encouraging development with the increased generation capacities due to the independent power producers; improved financial performance of power utilities; and improved governance of the sector.

Njoroge also told the plenary that KenGen is exploring opportunities to venture into renewable energy, including geothermal. KenGen, he said had also submitted nine projects to the World Bank Carbon Financing Unit and had six approved. As a result, the power generating company hopes to displace 662,600 tonnes of carbon emissions per annum. In geothermal, he says a potential of over 7,000MW exists in the Rift Valley region and the company was looking at partnerships with people who can be able to exploit this potential. This is addition to a separate company, The Geothermal Development Company, which will undertake the riskier part of the business upfront especially the drilling and the availability of resource assessment. *For more information, please visit http://www.eastandard.net/hm_news/news.php?articleid=1143968939.*

New Zealand: Could join Western Emissions Market

California would be "more than welcome" to invite New Zealand to join the emissions trading market the state is establishing in the western United States, a state official said. Gov. Schwarzenegger's chief environmental adviser, Terry Tamminen, told Listener magazine that the state would be opening to discuss the country joining the Western Regional Climate Action Initiative. "We'd come down there in a heartbeat" to negotiate, he said. "And Governor Schwarzenegger would be pleased to welcome your leadership here" *For more information, please visit <http://www6.lexisnexis.com/publisher/EndUser?Action=UserDisplayFullDocument&orgId=1925&topicId=100002042&docId=1:615452960&start=9&dateId=20070521>.*

Indonesia: PLN Announces Plans to Build 1000 MW of Geothermal Power

Business News and the Jakarta Post report that PLN over 30 new geothermal and coal-fired power plants to ease energy shortages. “PLN power generation director Ali Herman Ibrahim said Monday the geothermal power plants would be built at Ulubelu power plant in Lampung, Ulumbu in Flores, East Nusa Tenggara, Lumutbalai in South Sumatra and Lahendong in North Sulawesi, according to Business News. The director for PLN said he expected total geothermal capacity of 1000 MW. *To see the full story go to:* <http://www.thejakartapost.com/detailbusiness.asp?fileid=20070529.M04&irec=3>.

Notices

Nominations Sought for Individual “Shaping the Future of the Utility Landscape” (Due May 31)

The Knowledge2007 Utility CIO of the Year award program will recognize a CIO who has demonstrated exceptionally innovative leadership through effective use of technology in support of the strategic initiatives of his/her organization. Nominate a deserving leader who is shaping the future of the utility landscape. Submit your abstract TODAY and help shape the program. Award nominations must be submitted no later than May 31, 2007. Winners will be announced November 14, 2007 at Knowledge2007 in Austin, Texas.

Nominations are being accepted in two award categories

- Large Utilities (those with more than one million customers)
- Small Utilities (those with less than one million customers)

The individual or organization making the nomination may be a peer, superior or subordinate of the nominee and does not have to be a member of the information technology department.

For more information, please visit www.knowledge2007.com.

Energy Institute Accepted Entries for Organizations that Set New Standards of Excellence and Innovation (Deadline June 29)

For the last seven years, the Energy Institute has recognized individuals and organizations in the global energy industry for setting new standards of excellence and innovation. The 8 categories cover a broad range of areas which enables companies and projects of all sizes, across the wide energy spectrum to compete against each other.

The eight categories are:

- Communication sponsored by AMEC
- Community Initiative
- Environment sponsored by Total
- Innovation sponsored by ExxonMobil
- International Platinum sponsored by TNK-BP
- Outstanding Individual Achievement Award sponsored by Norman Broadbent
- Safety sponsored by Shell
- Technology sponsored by BG Group

Full details of all the criteria as well as an entry form are available at www.eiawards.com.

DOE Offices Release Best Practices for Distributed Energy Interconnection Procedures for State Consideration

The U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy (EERE) and Office of Electricity Delivery and Energy Reliability (OE) have jointly developed voluntary "best practices" for use by States in implementing interconnection requirements that allow for simple connection of distributed energy technologies to the electric grid. Recognizing that Section 1254 of the Energy Policy Act of 2005 requires each State to consider interconnection procedures and complete its determination by August 8, 2007, EERE and OE offer these "best practices" to assist States in those determinations. *For more information, please visit http://www1.eere.energy.gov/news/progress_alerts/progress_alert.asp?aid=221.*

Requests for Offers/Proposals (RFPs)

Request for Information on Geothermal Co-Production

The DOE Golden Field Office has posted a new Request for Information entitled, "Demonstration of Electric Power Generation Using Geothermal Energy Co-Produced with Oil and/or Gas Wells." Please note that this is a Request for Information (RFI) and not a Funding Opportunity Announcement. DOE is simply seeking information from the geothermal industry and academia regarding the technical feasibility and economic viability of electric power generation using geothermal energy co-produced with oil and/or gas wells and is not accepting applications for financial assistance on this topic at this time. See <https://e-center.doe.gov/iips/faopor.nsf/UNID/50D3734745055A73852572CA006665B1?OpenDocument> for details. *Questions regarding the content of this RFI should be submitted through the "Submit question" feature of the DOE Interactive Procurement System (IIPS) at <http://e-center.doe.gov>.*

Energy Innovations RFP (Due May 31)

The California Energy Commission requests proposals for the Energy Innovations Small Grant (EISG) Program. EISG provides funding to small businesses, small non-profits, individuals and academic institutions for establishing the feasibility of new energy concepts. Projects must develop innovative and original energy concepts that address a clear market need, provide benefit for CA electricity ratepayers and target one or more areas of interest: Industrial/agriculture/water end-use efficiency; building end-use efficiency; environmentally preferred advanced generation; renewable generation; energy-related environmental research; energy systems integration. Grants for hardware projects requiring physical testing NTE \$95K, modeling projects NTE \$50K. Responses due 5/31/07. *For more info, contact esgp@energy.state.ca.us or go to: <http://www.energy.ca.gov/contracts/smallgrant/index.html>.*

SMUD Renewables RFO (Due June 11)

The Sacramento Municipal Utility District (SMUD) announces its Request for Offers (RFO) for renewable energy power purchase agreements (PPA) and project ownership options. SMUD will consider RFOs for the following renewables: Wind, geothermal, small hydroelectric, landfill gas, biomass and biodiesel, photovoltaic, solar thermal (with and without natural gas assist), biomass gasification, digester gas, fuel cells using qualifying renewable fuels, qualifying municipal solid waste conversion, ocean wave, ocean thermal, tidal current, and innovative storage coupled with qualifying intermittent renewables. *For more info, contact Marco Lemes at mlemes@smud.org or go to: <http://www.bids.smud.org/sDsp/sDsp004.asp>.*

Applications for CREBs Sought

IRS Notice 2007-26 solicits applications for the allocation of the available clean renewable energy bond national limitation under Section 54 of the Internal Revenue Code and provides other guidance with respect to the issuance and post-issuance compliance of clean renewable energy bonds. This notice was published

in Internal Revenue Bulletin 2007-14, dated April 2, 2007. *For more information, please visit <http://www.irs.gov/newsroom/article/0,,id=167605,00.html?portlet=2>.*

REEEP Offers 3 Million Euro for Clean Energy Projects in Developing Countries

The Renewable Energy and Energy Efficiency Partnership (REEEP) has launched a call for project proposals to support the development of markets for renewable energy and energy efficiency. The project call is REEEP's largest in its four year history with more than 3 million Euros available for projects in least developed countries and emerging market economies. The project received funding from a consortium comprised of Ireland, Italy, New Zealand, Norway and the United Kingdom. Norway, the new major donor of REEEP, and the United Kingdom will be pooling funds allowing for larger investments into projects. Ireland and Italy will continue their focus on Africa and New Zealand will bring small island states in the Pacific into focus. The REEEP call is an open tender seeking projects from priority countries -- China, India and Brazil and from across the developing world. Based on the experience gained over the last two years with a bottom-up approach to selecting projects, REEEP will be piloting a combination of bottom-up and top-down commissioned strategic projects. *For more information, please visit http://www.greenbiz.com/news/news_third.cfm?NewsID=34695.*

Upcoming Events

DOE Technology Transfer Workshop, May 30-June 1, Arlington VA

The Department of Energy's (DOE) 2007 National Laboratory Technology Transfer Workshop will be held on May 30 – June 1, 2007, at the Hyatt Regency Hotel in Crystal City, VA. The intent of this open “townhall” type workshop is to explore technology transfer at the labs, with a particular focus on opportunities and issues in private sector partnerships, lab transparency, and innovative financial mechanisms that encourage entrepreneurial activity and accelerate commercialization. All output from the presentations, Q&As, and open public dialogue on May 30 and the morning of May 31 will be gathered and distributed to DOE Senior Managers, National Lab Tech Transfer Directors and M&O contractor staff for consideration during their closed sessions for the remainder of the workshop, concluding with a set of core recommendations that will help direct detailed development of a technology transfer action plan for the Department. *For questions, contacts Charles Russomanno at 202-586-7543, charles.russomanno@ee.doe.gov, Jamileh Soudah at 202-586-2104, or John Labarge at 202-586-9747.*

World Environment Day 2007: Melting Ice - A Hot Topic?, June 5, Washington DC

On June 5, the Norwegian Embassy in Washington, D.C. and the National Geographic Society will host a conference to celebrate World Environment Day. The conference is co-sponsored by the Environmental and Energy Study Institute (EESI) and will discuss political and technological solutions to global warming. *The Conference is open to the public, but registration is requested at rsyp.emb.washington@mfa.no.*

Renewable Energy Fair, June 9-10, Loretto, Pennsylvania

St. Francis university in partnership with the Saint Francis Renewable Energy Center will host the 2nd annual ECare Fair, a national event to discuss and promote renewable and reduced energy resources. Exhibits are slated to include alternative and renewable energy, energy reduction processes, inexhaustible energy and sustainable living. *More information is available by phone at (814) 736-8266 or online at <http://www.ecarefair.com>.*

Infrastructure Finance & Investment Summit, June 11-12, New York City

Financial Research Associates' Infrastructure Finance & Investment Summit explores investment vehicles and capital sources supporting the growth of private investment in public infrastructure. Moving beyond

traditional equity investment, and bond issues the Summit focuses on innovative, alternative finance opportunities for infrastructure projects. *More information is available by calling Eric Johns at (831) 465-7409, or online at <http://www.frallc.com/conference.aspx?ccode=B490>.*

Geothermal Energy Utilization Associated with Oil and Gas Development, June 12 – 13, Dallas, Texas

This international conference specializes in the enhancement of existing oil & gas wells for electrical production. Geothermal energy can be extracted from the well fluids using newly designed compact turbines with binary fluids. These systems are now sized to fit single wells or multiple wells with an approximate fluid temperature differential of 120°F+ between produced and cooling temperatures. Thus, in the Gulf Coast temperatures of 225°F or higher are eligible. This electrical production (geothermal energy) is renewable and considered a baseload source since it is capable of producing 24 hours a day. This capability gives new life to low yield producers with high water volume and a reason to keep them pumping. Undesirable high water flow geopressure wells become an immediate revenue path if converted to electrical production. Abandoned wells have value with the Geothermal Industry fracturing techniques to increase water flow. With a system installed in Chena Hot Springs, Alaska and another installation going into the Wyoming Rocky Mountain Oil Field Testing Center, the ability to use low temperature fluids is no longer just a concept, rather it's a reality. Data and economics will be presented to assist you in developing your company's renewable energy portfolio using existing wells. The event will take place at the Southern Methodist University in Dallas, Texas. *For more information, please visit http://smu.edu/geothermal/Oil&Gas/2007/geothermal_energy_utilization.htm.*

10th Annual Sustainable Energy Coalition Expo, June 14, Washington, DC

This year's SEC Expo will feature a variety of renewable energy and energy efficiency technologies. GEA's booth will feature displays from Ormat Technologies and UTC Power, as well as materials from the Geothermal Education Office and GEA. Besides an exhibit portion showcasing the companies and technologies that are developing renewables and efficiencies today, the Expo will also feature panel discussion and presentations on the most important energy topics of the day – global warming, U.S. competitiveness, and renewable/efficiency potential over the next ten years. The event will kickoff with a keynote address by Jon Holdren. Jonathan Weisgall of MidAmerican Energy will speak on behalf of the geothermal industry. *For more information, please visit <http://www.google.com/calendar/event?eid=aDMzc2tqY3RmbmlkZ2o5N3VtNXI0Z21iczQgc3VzdGFpbmFibGVlbnVyZ3ljb2FsaXRpb25AbQ>.*

CA Geothermal Development Plan Workshop, June 20, Woodland, California

The California Geothermal Energy Collaborative is creating a report to advance the development of geothermal resources in California. This report will provide input to the California Energy Commission as they develop a new renewables road map. Building on the BLM Western Programmatic EIS and the USGS Geothermal Resource Assessment, the CGEC effort will provide stakeholders with an opportunity to contribute directly to this process. The workshop is the kick-off session focused on developing a comprehensive plan. This is your opportunity to provide input in the areas of geothermal resources, streamlining permitting and leasing, and governmental policies and procedures. The inclusion of a broad range of ideas from the geothermal community will enhance the final plan. It will be held from 8 a.m. – 2:30 p.m. at Heidrick Ag History Center; 1962 Hays Lane; Woodland, California. *For general questions or to register, contact CGEC Administrative Manager Judy Fischette at fischette@sbcglobal.net.*

4th Renewable Energy Finance Forum - Wall Street, June 20-21, New York, NY

REFF Wall Street is designed to be a one-stop-shop for discussion of the complete spectrum of financing opportunities for all renewable energy technologies, and consequently provides a unique forum to meet and network with delegates from all walks of the RE industry, together with high level financiers. The event

had over 600 delegates from 18 countries in 2006. *For more information and to register, please visit <http://www.euromoneyenergy.com/default.asp?Page=11&eventid=ECK162&LS=REA&site=energy>.*

GEA Trade Show/GRC Annual Meeting, September 30-October 3, Reno, Nevada

The GEA 2007 Trade Show will be held at John Ascuaga's Nugget Hotel & Casino in Reno, Nevada, September 30 - October 3, 2007. To see the floor plan, sponsorship opportunities, or register for an exhibit space go to: <http://www.geo-energy.org/tradeShow/invitation.asp>

For more information about the GEA Trade Show contact Daniela Stratulat at 202-454-5263 or email Daniela@geo-energy.org.

The Trade Show is held concurrently with the Geothermal Resources Council's (GRC) Annual Meeting. For information about the GRC Annual Meeting contact GRC at 530-758-2360 or email grclub@geothermal.org.



GEA Update

A newsletter for GEA Members written by Alyssa Kagel and Karl Gawell.

For more information contact GEA at: 209 Pennsylvania Avenue SE, Washington, D.C. 20003. Phone: 202-454-5261; Fax: 202-454-5265; E-mail: research@geo-energy.org