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New Legislation of Interest to FEMP – *No news of interest to FEMP.*

Hearings Schedule – *No news of interest to FEMP.*

The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), December 2002.

Average crude oil prices fell approximately \$2.50 per barrel between October and November due to continued high production by the Organization of Petroleum Exporting Countries.

November was colder than normal, boosting heating demand above previous expectations. If temperatures return to normal averages, household heating expenditures this winter (October through March) compared to last year would increase as follows: natural gas by 31 percent, heating oil by 41 percent, propane by 17 percent, and electricity by 13 percent. EIA cautions that El Niño effects predicted by the National Weather Service could temper these increases.

Chilly November temperatures also led to depletion of underground storage levels of working gas, causing spot prices of natural gas to rise above \$4.00 per million btu. Natural gas wellhead prices this winter will average about \$3.90 per thousand cubic feet, about 60 percent above last winter's price.

EIA predicts that total annual electricity demand for 2002 will grow at 2.8 percent. Demand rose with unusually high summer temperatures and high cooling demand in the third quarter of 2002, as well as higher electric heating demand in October and November.

DOE has awarded \$4.4 million for energy-efficient technology projects. Through its National Industrial Competitiveness through Energy, Environment, and Economics (commonly known as NICE3), DOE awarded the grants to 19 different organizations. Included among them are electrochromic windows, renewable ethanol production, and ceramic products from fiberglass waste. (Source: DOE Press Release, December 11, 2002)

Secretary of Energy Spencer Abraham last Wednesday appointed Randa Hudome as his Associate Deputy Secretary of Energy. Ms. Hudome has been serving as Secretary Abraham's

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CONGRESSIONAL ACTIVITIES

CONGRESSIONAL SCHEDULE

Congress is scheduled to return on January 7 to resume work on 11 outstanding FY 2003 appropriations bills, which are on continuing resolution until January 11. **One of the first action items Congressional leaders are expected to tackle is a bill to extend the continuing resolution until January 31.**

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STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

- Refer to www.eren.doe.gov/femp/resources/initiatives.html – Legislative Databases

Comprehensive Energy Legislation Reports about House and Senate plans indicate that both chambers may introduce new bills and conduct hearings during the 108th Congress. This does not necessarily mean that all provisions included in *H.R. 4* and *S. 517* that passed the House and Senate respectively in 2002 will be eliminated or revised. The Administration and the Republican-led House continue to place a high priority on electricity restructuring and drilling in the Arctic National Wildlife Refuge. Pete Domenici (R/NM), in-coming chair of the Senate Committee is expected to include a restructuring provision in the Senate bill, which was not included in *S. 517*.

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STATUS OF PENDING APPROPRIATION BILLS OF INTEREST TO FEMP

The new Republican-led Congress plans to complete work on 11 of the 13 FY 2003 annual appropriations bills by the end of January, preferably in advance of the President's January 29 State of the Union Address and his submittal of the FY 2004 Budget Request in early February. In an attempt to comply with the President's FY 2003 spending cap of \$749 billion, appropriators may be forced to cut funding for programs covered in the 11 pending bills. The House complied with the President's

Senior Policy Advisor for International Affairs. Secretary Abraham said, "As my senior policy advisor on international affairs, I have relied on Randa's insight, experience, and intelligence. Her keen understanding of international affairs enable her to contribute in a meaningful way to the Administration's energy policy. I am extremely pleased to announce her promotion to Associate Deputy Secretary." (Source: DOE Press Release, December 18, 2002)

The National Renewable Energy Laboratory (NREL) has completed a database on high performance buildings. NREL developed the database with funding from DOE. See it at www.eren.doe.gov/buildings/highperformance/case_studies.

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WHAT'S NEW ON THE FEMP WEB SITE

A new section of the FEMP web site recently made its debut at www.eren.doe.gov/femp/techassist/operations_maintenance. The new Operations and Maintenance site contains information regarding strategies, technologies, and FEMP.

DID YOU KNOW?

The Partnership for Climate Action (PCA) has launched a web site. PCA is a group of major corporations including British Petroleum, DuPont, Shell, and others. The group is dedicated to limiting their greenhouse gas emissions, and members are committed to publicly report their progress. The website is at www.pca-online.org.

The Alliance to Save Energy is using humor to encourage energy efficiency. The Alliance's new advertisement, "Energy Science Fair," depicts children performing various efficiency experiments – which often go awry. For example, a student attempting to power his experiment with methane has his fuel supply, a pet pig, run off in the middle of the science fair. (Source: Environmental News Service, December 18, 2002)

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budget cap, while the Democratic-led Senate proposed \$19 billion in additional funding. Reinstating reduced funding could occur in the FY 2003 emergency supplemental appropriations.

During a joint press conference last week, House and Senate Appropriations chairs, Bill Young (R/FL) and Ted Stevens (R/AK) described their plan for moving FY 2003 appropriations bills during the month of January. The House and Senate will agree on new and compatible 302(b) allocations for the remaining and unfunded FY 2003 bills. The House will pass each of the 11 bills independently and then send the bills to the Senate for consideration as an omnibus bill. A sixth continuing resolution through January 31 will allow Congress to continue to work on the bills past the current continuing resolution deadline of January 11. Chairman Young released the following statement last week:

It is imperative that we complete our work in January. Further delay would negatively impact homeland security and other important government functions. The main reason we are working on appropriations bills in January is because the budget process collapsed. The two chambers never agreed on a common budget which left the respective appropriations committees working from two different, irreconcilable sets of numbers.

The President has stated that we should stick within a \$750.5 billion topline budget number and it is my intention to do so. This will be a difficult task because resources are scarce and demands are great. My committee will compose a package of bills with the intent of generating as much Congressional support as possible. Some reductions will be unpopular but we will do our best to carefully prioritize spending to comply with the fiscal parameters prescribed by the President.

Meanwhile, the chairmanships of the Subcommittees on Energy and Water Development and Interior and Related Agencies in the House are now vacant due to the retirement of two members; selection of new chairs should occur in early January when new 302(b) allocations are announced for the remaining and unfunded FY 2003 appropriations bills.

To date, only two bills have been signed into law, Military Construction and Defense appropriations.

Appropriations Leadership – House

Recently, the Republican-led House indicated selection of the chairs for the 13 appropriations subcommittees would be made by Speaker Dennis Hastert (R/IL) and Majority Leader Tom DeLay (R/TX). The House Republican Steering Committee will recommend the subcommittee chairs to the House leadership. The change in selection is meant to send a signal to subcommittee chairs not to exceed proposed funding levels, as has been done in the past. In response to this decision, a spokesperson for Speaker Hastert said, “These subcommittee chairmen are as powerful or in some cases more powerful than regular committee chairmen. The Speaker’s action reflects the fact that those chairmen are now going to have to be accountable.” The decision pleases conservative members, who have been critical of appropriations that exceed funding levels.

- Refer to www.eren.doe.gov/femp/resources/initiatives.html – Legislative Databases
- See [Attachment A](#) – FY 2003 Appropriations Chart

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NEW LEGISLATIVE INITIATIVES OF INTEREST TO FEMP

Authorization Committee Leadership – Senate

Since the recent mid-term elections changed the leadership in the Senate from Democratic to Republican, committee and subcommittee chair assignments will also change. For example, Don Nickles (R/OK) is expected to chair the Committee on the Budget, Pete Domenici (R/NM) is expected to chair the Committee on Energy and Natural Resources, and James Inhofe (R/OK) is expected to take over the Committee on Environment and Public Works. It is unclear at this time which member will head the Committee on Governmental Affairs since the Ranking Minority Member, Fred Thompson (R/TN), retired this year from the Senate.

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HEARINGS OF INTEREST OF FEMP

- ***Next Generation Lighting Initiative*** On December 3, the Senate Committee on Energy and Natural Resources held a hearing in Albuquerque, New Mexico, on Advanced Energy Technology Development in New Mexico. Chairman Jeff Bingaman (D/NM) and the committee heard from a panel of speakers that included David Garman, Assistant Secretary for Energy Efficiency and Renewable Energy (testimony was not available); Dr. Al Romig, Vice President for Science and Technology Partnerships at Sandia National Laboratories; Dr. Charles Becker, Manager of the LEDs for Lighting Program at GE Global Research; and Dr. Ken Stroh, Manager of Transportation and Fuel Cell Programs at Los Alamos National Laboratory. Dr. Stroh encouraged the establishment of a Fuel Cell National Resource Center at Los Alamos National Laboratory, which would collaborate with industry, universities, and other national laboratories to conduct research to reduce the cost and increase the performance and durability of fuel cells and related technologies. Dr. Romig promoted the establishment of joint industry and government partnerships, such as those proposed in the *Next Generation Lighting Initiative Act*, introduced in the Senate during the 107th Congress. Dr. Romig stated that a “national initiative based on a government/industry partnership would greatly accelerate the research and development process [of solid state lighting]” and could “accelerate the process by one or two decades. Mr. Becker added that government/industry partnerships should include “not only the large lighting companies, but also the equipment, packaging, fixture, architectural, and other infrastructure companies in the lighting industry.”

FEDERAL AGENCY **ACTIVITIES**

See also:

- [Attachment B](#) – Privatization Projects
- [Attachment C](#) – Federal Building Projects

ENVIRONMENTAL PROTECTION AGENCY (EPA)

After examining the newly proposed Federal Energy Regulatory Commission (FERC) Standard Market Design plan to reorganize electric markets, the EPA has warned regulators that the proposed rules could result in an increase in emissions. EPA is requesting that the FERC plan incorporate a more rigorous demand-response mechanism, eliminate barriers to distributed generation, and provide an overall framework that considers alternative approaches that coincide with traditional power line construction. EPA officials are satisfied with the general objective of the proposed Standard Market Design. (Source: *Greenwire*, December 10, 2002)

FEDERAL ENERGY REGULATORY COMMISSION

FERC is seeking comments on the Standard Market Design Notice of Proposed Rulemaking on whether a merchant transmission provider should be obligated to expand its merchant transmission facilities. FERC is requesting comments on the following questions:

- For independent merchant transmission companies, would there be any concerns regarding comparability or undue discrimination that would merit an expansion obligation for merchant transmission providers?
- Are there non-competitive structural conditions that apply to independent merchant transmission companies, such as barriers to entry or economies of scale, which would justify an obligation to expand?
- If an expansion obligation is extended to merchant transmission providers, is it appropriate to limit it to an obligation to allow or facilitate other parties to use the critical entry barrier facilities to expand transmission capability?
- Should merchant transmission providers that acquire land rights through the use of eminent domain be subject to different obligations than those that do not?
- How would an expansion obligation impact new investment in transmission infrastructure? How would an expansion obligation impact a merchant transmission provider's business strategy and financing needs?
- Are there bases other than market power that are relevant to extending an expansion obligation to merchant transmission providers?
- How should merchant transmission projects be treated in the SMD rule? If the commission retains the obligation to expand in the SMD rule, should it nevertheless exempt already-approved merchant projects? Should such projects be “grandfathered” in order to minimize the financial consequences of regulatory risk?

- The commission has approved negotiated rates for merchant transmission facilities based on the premise that the negotiated rates would be capped at the cost of transmission expansion. If there is no obligation to build, should the commission reconsider whether the negotiated rates remain just and reasonable?

Send comments by January 10, 2003, to Office of the Secretary, Federal Energy Regulatory Commission, 888 First Street, NE., Washington, DC 20426. For more information, visit www.ferc.gov.

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GENERAL SERVICES ADMINISTRATION (GSA)

In December, GSA announced the final rule that transfers authority for Federal property policies to the Federal Management Regulation office. The purpose of this initiative is to improve GSA's "regulatory system by establishing the Federal Management Regulation (FMR) as the successor regulation to the Federal Property Management Regulations (FPMR)." For more information, consult with Stanley Langfeld of GSA at 202-501-1737 or refer to page 76882 of the *Federal Register* for December 13.

WHITE HOUSE

The President is scheduled to make his annual State of the Union Address on Tuesday, January 29, and submit his FY 2004 Budget Request in early February.

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ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

► *General Energy Conservation/Building Construction/Retrofit Projects*

GSA is seeking architectural and engineering services to support the agency's National Design and Construction program for the National Capitol Region. Tasks to be performed include, but are not limited to, **establishment of energy budgets**, mechanical and electrical work, and project design reviews. For additional information on Solicitation Number GS-00P-03-CYD-0002, call Virginia Burwell at 202-219-1076.

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► *Utility/DSM Activities*

GSA is seeking a supplier of electricity for various Federal facilities located in the District of Columbia and Maryland. The agency anticipates awarding a contract for a period of 36 months, which is expected to begin on or before October 1, 2003. For further information, contact Ken Shutika at 202-260-9713 and refer to Solicitation Number GS-00P-03-BSC-0218.

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SEATTLE REGION

► *Utility/DSM Activities*

STATE AND LOCAL GOVERNMENT ACTIVITIES

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

► *General State Activities*

In a survey conducted by the Independent Energy Producers of Maine, 88 percent of respondents were unaware that they have a choice in selecting an energy supplier and about 75 percent indicated that they would like the option to purchase power generated from renewable resources. (Source: *Portland Press Herald*, November 19, 2002)

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CHICAGO REGION

► *General State Activities*

The Minnesota Municipal Power Agency will build a 250 MW natural-gas-powered, steam-and-electricity generating facility. Faribault Energy Park, designed to be environmentally friendly and energy efficient, will generate power using natural gas; excess heat will be used to produce steam, which

will in turn power a turbine to produce more electricity. The park will come online by the end of 2005. (Source: *Grand Forks Herald*, November 20, 2002)

► *Status of Utility-Related Activities*

Region 5 of the U.S. Environmental Protection Agency approved an Ohio rule requiring that power plants reduce their nitrogen oxide emissions by 70 percent each year, beginning in 2004. The “cap and trade” program includes a provision that sets aside one percent of the trading budget for facilities that reduce electric demand or use renewable power. The State of Ohio drafted the new rules in response to a request from EPA that 19 Eastern states regulate nitrogen oxide emissions from power plants. (Source: *U.S. Newswire*, December 16, 2002)

The Public Utilities Commission of Ohio (PUC) denied a bid by FirstEnergy Corporation to lower the amount of money customers could save by switching to an alternative electric supplier. The PUC based its decision on the fact that customers might be led to switch back to the traditional supplier. (Source: *The Blade*, Toledo, Ohio, December 9, 2002)

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

► *General State Activities*

On December 11, New Jersey Governor James McGreevey (D) held an Energy Summit to discuss potential energy efficiency and renewable energy projects in the state. Governor McGreevey said “We have a fundamental obligation to make our energy affordable, to make it reliable, to use it more efficiently, and to make more of it renewable.” He proposed the following initiatives:

- Require that all new schools be designed with efficiency standards developed by the U.S. Green Building Council, reducing school operating costs by up to 40 percent
- Establish a Renewable Energy Task Force to provide recommendations on how to strengthen and expand the renewable energy requirements the state imposes on energy suppliers
- Educate businesses and municipalities on ways to reduce energy cost
- Ask Mid-Atlantic state governors to institute minimum efficiency standards for products not regulated by the Federal Government

Organizations participating in the summit included the New Jersey Department of Environmental Protection, Board of Public Utilities, and Economic Development Authority. (Source: *State of New Jersey Governor’s Office*, December 11, 2002)

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SEATTLE REGION

► *Status of Utility-Related Activities*

On December 5, the California Independent System Operator and potential regional transmission organizations RTO West and WestConnect signed a Memorandum of Understanding and Cooperation (MOU). The MOU establishes the Seams Steering Group-Western Interconnection (SSG-WI), which will examine and resolve electricity policy issues facing Western grid operators. The group will make recommendations to the boards of the respective organizations. RTO West SSG-WI member Yakout Mansour said, "Part of the purpose of SSG-WI is to identify opportunities for shared infrastructure and systems investment/development that benefits all consumers in the West." The group has established working groups on Market Monitoring, Common Systems Interface, Transmission Planning and Expansion, Congestion Management, and Price Reciprocity. SSG-WI Representative Charlie Reinhold said, "Part of SSG-WI's mission is to engender discussion among various governmental and private institutions interested in electrical transmission solutions to seams issues." For more information, see www.ssg-wi.org

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UTILITIES AND SUPPLIER ACTIVITIES

ATLANTA REGION

► *Public Benefits Programs*

Florida Power & Light has installed a five-kW General Electric hydrogen fuel cell at the Hugh Taylor Birch State Park. The installation, which will provide enough energy to power five hair dryers, is one of five fuel cells placed throughout the state to assist in a research effort designed to learn how fuel cells can be improved. (Source: *South Florida Sun-Sentinel*, December 13, 2002)

South Carolina's Santee Cooper has received national Green Power Accreditation from the Center for Resources Solutions (CRS) for its Green Power program. The program is available to 135,000 commercial retail and residential customers. The electricity is offered to residential customers in 100 kWh blocks for a \$3 premium per block; commercial customers are required to purchase 200 kWh blocks for a \$6 premium per block. The CRS accreditation process audits utility programs through an independent verification process and requires that the programs meet stringent marketing, consumer education, and renewable resource use guidelines. For more information on Santee Cooper's Green Power program, visit www.santeecooper.com/greenpower.

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BOSTON REGION

► *Restructuring Activities*

NSTAR, Massachusetts' largest investor-owned electric and gas utility, is requesting a 10.5 percent decrease in default service electric prices that, if approved, would take effect January 1, 2003. NSTAR Chairman, President, and CEO, Thomas May, said "This price reduction is another indicator that deregulation is working for the consumers of Massachusetts." (Source: *Reuters*, November 21, 2002)

Residents in parts of Massachusetts may ask that municipal power plants take over for private power providers, given the inconsistent service that privately held utilities, such as NSTAR, are providing. NSTAR has been faulted for as many as 600,000 outages in the summer of 2001.

Municipal systems can be less costly and may offer more responsive service to customers. (Source: *The Boston Globe*, December 2, 2002)

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CHICAGO REGION

No news of interest to FEMP.

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DENVER REGION

► *Restructuring Activities*

TXU energy now has access to four new transmission lines that will help relieve transmission congestion in North Texas and increase reliability of service throughout the state. Two of the lines will deliver power from wind farms in West Texas to consumers in North Texas. Mike Green, President of Oncor Electric Delivery Company, said, "The success of open market competition and electric system reliability is highly dependent on a robust transmission system, and these projects go a long way toward assuring long-term success.... The lines will help protect the state from the types of transmission congestion that contributed to California's power crisis." (Source: *PRNewswire*, November 20, 2002)

► *Public Benefits Programs*

The Public Service Company of New Mexico (PNM) may facilitate the construction of new wind turbines in Quay and DeBaca counties near a 204-MW wind station. The venture would help PNM satisfy a requirement to derive 10 percent of its total power from renewable sources by 2007. The new power supply would require construction of a new transmission line. (Source: *Albuquerque Journal*, November 25, 2002)

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

► *Restructuring Activities*

Calpine Corporation received authorization from the U.S. Department of the Interior and the U.S. Forest Service to build a 48-MW geothermal plant in the Modoc National Forest in Siskiyou County, California. The plant will supply enough energy to power 50,000 homes. The renewable power will help California meet its legislative mandate to produce 20 percent of its energy from renewable energy sources by 2017. The Bureau of Land Management will hold responsibility for administering the geothermal lease and associated infrastructure. (Source: *U.S. Newswire*, November 26, 2002)

The Nevada Power Company will provide up to 227 MW of renewable energy derived from wind and geothermal plants to customers. New renewable plant construction around the state will include a wind generation plant in Clark County, a binary geothermal plant in Elko County, a binary geothermal plant in Washoe County, flash-steam and binary geothermal plants in Churchill County, and a

wind generation plant in White Pine County. The State of Nevada has a renewable portfolio provision requiring that a certain percentage of renewable energy sources be used for the power provided to electric customers. The use of renewable energy must be increased by two percent every third year until the provider's portfolio accounts for 15 percent of its total energy sales. (Source: *PRNewswire*, November 26, 2002)

San Diego Gas & Electric (SDG&E) will provide biomass-generated power from San Diego's biomass facilities to customers. The 15 renewable energy projects will cumulatively provide four percent of customer electric needs in 2003 and seven percent in 2004. San Diego Deputy Mayor Ralph Inzunza said, "This is an excellent partnership between the city and SDG&E... We are turning the city's trash into an environmental benefit, and SDG&E's contract helps us enhance the quality of life for all our citizens and customers." City of San Diego electric consumers receive most of their power from natural gas negotiated in long-term energy contracts and through SDG&E's other generation assets. (Source: *PR Newswire*, December 10, 2002)

► *Public Benefits Programs*

Puget Sound Energy is offering two dozen industrial customers technical assistance and financial analysis for site-specific energy conservation strategies that may result in 15 MW of annual electric savings. For example, customers can view energy usage data on a web-based interface, and the utility can analyze the results of usage. Eric Miller, Vice President of Product Development for Silicon Energy, said, "Utilities can be really much more than a quiet provider of power... They can play an active role in helping companies conserve and analyze usage data – all of which can become revenue increasing and cost cutting ventures." Portland General Electric has created a similar program for commercial and industrial customers. (Source: *UtiliPoint International*, December 11, 2002)

Tucson Electric Power (TEP) was recognized by the Solar Electric Power Association for developing a sustainable solar business partnership with the City of Tucson. The two organizations have collaborated to develop photovoltaic installations and training and educational programs. Other organizations acknowledged for developing solar programs were BP, Commonwealth Edison of Chicago, and the Palo Alto Utilities. TEP's green pricing program, GreenWatts, and their SunShare rebate program provide opportunities for customers to purchase green power or to generate power on their own. (Source: *Business Wire*, November 25, 2002)

California's 20/20 summer electricity rebate program saved Southern California Edison customers a total of \$52.6 million in electricity costs from July to October. Customers used 20 percent less electricity than during the same period in 2000. In August 2002, participants reduced energy usage by 41 percent compared to August 2001. (Source: *PRNewswire*, December 6, 2002)

The Los Angeles Department of Water and Power (LADWP) extended energy efficiency incentive programs through December 31, 2003, and increased the incentive for installing ultra-low-flush toilets for commercial and industrial customers. The three extended programs include Heating, Ventilation and Air Conditioning, Commercial Lighting Efficiency Offer, and Chiller Efficiency Program. LADWP's GreenLA program director Angelina Galiteva said that over the last 18 months, the energy efficiency programs for all customers have resulted in 142 MW of peak energy savings; large commercial customers have been responsible for two-thirds of the savings. In the ultra-low-flush program, effective January 2003, LADWP will raise the rebate amount to \$250 for flushometer-type, ultra-low-flush toilets (ULFT) and \$175 for tank-type ULFTs. The Metropolitan Water District of Southern California will fund up to \$90 of each rebate, and LADWP will pay the rest. To read more about the energy efficiency programs, visit www.GreenLA.com.

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PRIVATE SECTOR

ATLANTA REGION

No news of interest to FEMP.

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BOSTON REGION

Citigroup is donating \$25,000 to the conservation group Earth Pledge. Earth Pledge is a New York City non-profit that provides technical and financial support for the construction of Green Roofs. The first project Earth First will work on with the funding from Citigroup is America's largest community-based AIDS service group, Housing Works, Inc. Earth Pledge will aid in installing a green roof on Housing Works' East Village living facility. (Source: *Environmental News Service*, December 18, 2002)

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CHICAGO REGION

The Minnesota Department of Commerce's Rebuild Minnesota program is conducting a renewable energy demonstration project at Duluth's Lake Superior Zoo. The project will include solar water and space heating, a PV fueling station for electric vehicles, a geothermal heat exchanger for the polar bear and seal pools, and a micro hydropower facility. (Source: *PR Newswire*, December 16, 2002)

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DENVER REGION

No news of interest to FEMP.

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PHILADELPHIA REGION

No news of interest to FEMP.

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SEATTLE REGION

Whole Foods Market, Inc., and the Los Angeles Department of Water and Power (LADWP) have installed a solar electric cogeneration system in a Whole Foods store in Woodland Hills, California. With \$582,000 in incentives from LADWP, Whole Foods installed the 108 kW system on 18,000 square feet of the facility's roof. (Source: *Environmental News Service*, November 27, 2002)

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ALTERNATIVE FUELS AND VEHICLES

GENERAL ANNOUNCEMENTS

The National Highway Traffic Safety Administration (NHTSA) has been backed by the White House for a modest increase in Federal fuel-economy standards for light trucks and sports utility vehicles (SUVs). In NHTSA's proposal, the standard of overall fuel economy for pick-ups, minivans, and SUVs would be raised by 1.5 miles per gallon (mpg) by 2007. The current standard is 20.7 mpg, to be raised to 21 mpg for model year 2005, 21.6 mpg in 2006, and 22.2 mpg in 2007. Also under consideration is changing the classification of light trucks to allow some SUVs to be treated more like passenger cars, and thus subject to higher fuel economy standards. (Source: *Wall Street Journal*, December 13, 2002; *Greenwire*, December 13, 2002)

DaimlerChrysler will test a diesel-powered Jeep Liberty SUV in North America in 2004. These are the first light duty SUVs with diesel engines to be marketed in the United States. The company will produce 5,000 units in 2004. Diesel-fueled automobiles have a growing presence on the road due to their ability to increase fuel efficiency, reduce greenhouse gas emissions, decrease dependence on foreign oil, and run on a variety of diesel fuels: from regular to two percent biodiesel (B-2) to five percent (B-5), 10 percent (B-10), 20 percent (B-20), and 100 percent (B-100). Ford plans to introduce a hybrid Escape SUV in 2003, and GM intends to introduce a hybrid pickup in 2004. (Source: *Greenwire*, November 26, 2002; *E-Wire*, November 22, 2002; Clean Cities – What's New, December 2002)

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ATLANTA REGION

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BOSTON REGION

No news of interest to FEMP.

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CHICAGO REGION

► *Infrastructure Activities*

A 1,000-gallon E85 fueling tank was converted from a diesel tank in two weeks to create the sixth public E85 pump in Missouri. Tiger Conoco in Columbia, Missouri, also accepts Federal credit cards. **The United States Postal Service needed a place to fuel their flexible-fuel trucks** and encouraged the development of an E85 station off the interstate. E85 and 87-octane regular gas are priced the same to keep the E85 competitive. (Source: Clean Cities, December 2002)

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DENVER REGION

► *Infrastructure Activities*

Offutt Air Force Base in Nebraska has issued a Request for Proposals to construct and maintain a compressed natural gas station. The award will be for a one-year base period with four optional years.

For more information on Solicitation Number F25600-03-T-0009, contact Billy Wendin at 402-232-5931.

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PHILADELPHIA REGION

► *Infrastructure Activities*

The National Research Center for Alternative Fuels, Engines, and Emissions at West Virginia University found buses that were using both ultra-low sulfur fuel and an emissions after-treatment filter have reduced emissions levels. The installation of particulate filters has resulted in a 90-percent reduction of particulate matter, 95-percent reduction in carbon monoxide and substantial reductions in hydrocarbon emissions. Through this four-year project with Cummins, Inc., and the Environmental Protection Agency, 177 after-treatment devices will be placed on buses. (Source: Metro Press Release, December 5, 2002)

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SEATTLE REGION

► *New Products and Services*

United Parcel Service (UPS) has deployed the first alternative-fuel Class 8 big-rig tractors. The ten trucks are fueled by liquefied natural gas (LNG), with service routes in California and Nevada. Although more expensive, the emissions and maintenance costs are very low compared to diesel. The dual-fuel system developed by Clean Air Partners ignites the engines with a small amount of diesel before automatically switching to the primary fuel, LNG. UPS has other alternative-fueled vehicles including compressed natural gas, hybrid-electric, battery-electric and propane powered delivery vehicles. (Source: *CALSTART News Notes*, December 17, 2002)

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INTERNATIONAL

Nissan unveiled the X-TRAIL FCV fuel cell vehicle powered by a UTC Fuel Cells hydrogen power plant in Tokyo. The zero-emissions X-TRAIL FCV is a hybrid vehicle with a 75-kilowatt ambient fuel cell as its primary power source. UTC Fuel Cells is also developing fuel cells for alternative-fueled vehicle fleets in partnership with Irisbus of Europe and Thor Industries of the United States. (Source: *PR Newswire*, December 10, 2002)

Honda Motor Company's FCX fuel cell vehicle was approved by the Japanese government. The Japanese began marketing the zero-emission vehicle on December 2. Honda will lease approximately 30 cars in Japan and the United States for the next two or three years. (Source: *Greenwire*, November 26, 2002)

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- Refer to [Attachment D](#) – New Technologies
- Refer to [Attachment E](#) – Calendar of Upcoming Events.

GENERAL ANNOUNCEMENTS

The McAdams Group is sponsoring a workshop, **Funding Green Buildings: Sources and Strategies, on January 17 in Phoenix, Arizona; January 31 in West Palm Beach, Florida; and February 10 in Atlanta, Georgia.** The topic for the workshop (as for the book, see the Studies, Reports, and Analyses section) is where to obtain monetary grants, materials donations, and low-interest loans for green buildings. For more information, go to www.fundinggreenbuildings.com.

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ATLANTA REGION

FEMP is sponsoring the fifth annual Energy Management Workshop on February 10-11, 2003, in Cocoa, Florida. Topics will include dehumidification, building envelopes, and distributed generation technologies. For more information, go to www.fsec.ucf.edu/ed/contin_ed/energymanagers/2003/registration.htm.

Reminder: DOE's sixth annual national energy management conference and trade show, **Energy 2003, will be held in Orlando, Florida, on August 17-20, 2003.** The conference, sponsored by FEMP, is geared toward Federal, state, local, and private sector energy managers, energy service companies, utilities, procurement officials, engineers, and others involved in energy management around the country. Topics will include procurement requirements for energy-related products and services, alternative financing, energy markets, distributed energy resources, Federal policies and mandates, core skills for energy managers, new technologies, sustainable building design, alternative fuels, and water resource management. For more information, go to www.energy2003.ee.doe.gov.

The Association of Energy Engineers is sponsoring the World Energy Engineering Congress on November 12-13, 2003, in Atlanta, Georgia. Topics include solutions for reducing energy related costs and improving overall performance in commercial, industrial, institutional, and government facilities. For more information, go to www.aeecenter.org/Shows.

The Association of Energy Engineers is also sponsoring the High Performance Facilities Expo 2003 on November 12-14, 2003, in Atlanta, Georgia. Topics include innovative design and retrofit concepts for increasing the quality and efficiency of buildings and facilities. For more information, go to www.aeecenter.org/Shows.

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BOSTON REGION

The New Hampshire Chapter of the American Institute of Architects is sponsoring the Integrated Design/Integrated Development Conference: A Conference on Environmentally Responsible Development on March 21-22, 2003, in Durham, New Hampshire. Topics include opportunities, benefits, and current challenges in adopting an integrated approach to site planning, site and building design, construction, LEED certification, and operation/maintenance needs. For more information, go to

www.aianh.org/Pages/idid.html.

The American Council for an Energy Efficient Economy is sponsoring the 2003 ACEEE Summer Study on Energy Efficiency in Industry: Sustainability and Industry, Increasing Energy Efficiency and Reducing Emissions on July 29-August 1, 2003, in Rye Brook, New York. Topics include technical, policy, and program issues related to increasing energy efficiency in industry. For more information, go to www.aceee.org/conf/03ss/03call.htm.

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CHICAGO REGION

Steelcase Inc. and Grand Rapids Community College are sponsoring a conference, Green by Design, on February 5-6, 2003, in Grand Rapids, Michigan. Topics include environmental sustainability and strategies for companies to develop and market environmentally friendly products. For more information, go to www.gbapgh.org/News/Events/news_events_frame.html.

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DENVER REGION

The Architectural Engineering Institute is sponsoring Architectural Engineering 2003: Building Integration Solutions on September 17-20, 2003, in Austin, Texas. Topics include LEED, energy monitoring control systems, and distributed generation. For more information, go to www.asce.org/pdf/aeiAbstract.pdf.

The American Council for an Energy Efficient Economy is sponsoring Business Energy Solutions 2003 on December 10-11, 2003, in New Orleans, Louisiana. Topics are designed to help energy managers, facility managers, energy engineers, and other corporate decision makers lower their energy costs and improve the overall operation of their facilities. For more information, go to www.aeecenter.org/Shows/.

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PHILADELPHIA REGION

The Department of Energy is sponsoring a conference, Gas Turbines for a National Energy Infrastructure, on February 26-27, 2003, in Arlington, Virginia. Topics will include Legislation and Policy, Distributed Energy Resources, Electrical Infrastructure, and Trends and Technology. For more information, or to register, go to www.asme.org/igti/.

The Building Environment and Thermal Envelope Council is sponsoring their 2003 conference, Ventilation, Humidity Control, and Energy, on October 12-14, 2003, in Washington, D.C. Topics include energy efficient ventilation strategies and low-cost, low-energy ventilation. For more information, go to www.nibs.org/betecsym3.html.

The U.S. Green Building Council (USGBC) is sponsoring the 2003 USGBC International Green Building Conference and Exposition on November 12-14, 2003, in Pittsburgh, Pennsylvania. The annual conference serves as the preeminent showcase for leading-edge green technologies worldwide. For more information, go to www.usgbc.org/Events/events_conference_calendar.asp.

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SEATTLE REGION

The Environmental Protection Agency, the Department of Energy, the Electric Edison Institute, the Electric Power Research Institute, and the American Waste Management Association are sponsoring the Sixth Annual Joint Conference on Air Quality, Global Climate Change, and Renewable Energy on January 27-30, 2003, in Tucson, Arizona. Topics include renewable and alternate energy, carbon sequestration and trading, and corporate strategies for green house gas reductions. For more information, go to www.euec.com.

The Department of Energy is sponsoring Life-Cycle Costing (Combined: Basic and Project-Oriented) on February 4-5, 2003, in Honolulu, Hawaii. The conference will be repeated on February 6-7. Among the topics discussed are how to apply life-cycle costing to projects funded through Energy Savings Performance Contracts, how to compare capital investment and outsourcing, and how to choose between optional and mandatory replacement of functional systems. For more information, go to www.aianh.org/Pages/idid.html.

The Northwest Cooperative Development Center and Idaho AG Summit are hosting the Third Annual Harvesting Clean Energy Conference and the Idaho Agriculture Summit on February 10-11, 2003, in Boise, Idaho. Conference topics, including wind power, biofuels, and anaerobic digesters, will focus on how agriculture and energy opportunities can intertwine and produce new revenue. For more information, visit www.harvestcleanenergy.org.

Expo West is sponsoring a conference, Natural Products Expo West, on March 6-9, 2003, in Anaheim, California. The conference will showcase manufacturers of energy-friendly products demonstrating strategies for implementing green building features in buildings. For more information, go to www.eeba.org/events/green_building.pdf.

The American Society of Mechanical Engineers is sponsoring the International Solar Energy Conference on March 15-18, 2003, in Kohala Coast, Hawaii. Topics include renewable energy and energy conservation as well as discussions of policy and regulatory issues that affect renewable energy technologies and their implementation. For more information, go to www.asme.org/divisions/solar/call/index.html.

Northern California Power Agency is sponsoring the 23rd Annual Utility Energy Forum on May 7-9, 2003, in Tahoe City, California. The conference focuses on how utilities, government officials, and product and service providers can help their customers meet their energy needs through customer service. For more information, visit www.utilityforum.com/index.html.

The Department of Energy is sponsoring a workshop, Distributed Energy Resources for Federal Facilities, on May 12-13, 2003, in Los Angeles, California. The workshop provides project-focused opportunities for Federal facility energy managers interested in applying DER technologies to meet and work with private industry representatives, energy managers, environmental regulators, financiers, architects, engineers, utilities, and energy service companies who support DER projects. For more information, go to www.eren.doe.gov/femp/techassist/der_resources.html.

The Southern California Gas Company and Sempra Energy Utilities are sponsoring the West Coast Energy Management Conference on September 17-18, 2003, in San Diego, California. Topics include the latest energy marketplace developments, new energy technologies for facilities, energy supply options, and innovative project implementation strategies. For more information, go to www.automatedbuildings.com/frame_resources.htm.

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STUDIES, REPORTS, AND ANALYSES

ENERGY AND WATER CONSERVATION

The Energywise Construction Funding Directory for Green Buildings, The McAdams Group, 2002.

The book lists possible resources for monetary grants, material donations, and low-interest loans for green buildings. In conjunction with the book, the McAdams Group offers a workshop on the same topics (see the meetings section above). For more information, go to www.fundinggreenbuildings.com.

New Technologies for Energy Efficiency, EnergyPromotion.net, December 2002.

The publication provides an overview of new technologies available to reduce dependency on the power grid. Technologies highlighted include fuel cells, small-scale cogeneration, and natural gas distributed generation. The authors also assess how new technologies can impact rates, policy, power quality, cost-effectiveness, monitoring and diagnostic systems, and energy storage. For more information, visit www.energypromotion.net.

The Most Energy-Efficient Appliances 2002, American Council for an Energy-Efficient Economy, September 2002.

The report contains an annual listing of top-rated efficient residential appliances in the U.S. market. Appliances covered include refrigerators, dishwashers, clothes washers, water heaters, central and room air conditioners, central heat pumps, furnaces, and boilers. To obtain a copy of the report visit www.aceee.org.

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SOLAR AND RENEWABLE ENERGY

Small Wind Electric Systems: A U.S. Consumer's Guide

Small Wind Electric Systems: An Iowa Consumer's Guide

Small Wind Electric Systems: An Ohio Consumer's Guide

Small Wind Electric Systems: A Minnesota Consumer's Guide, National Renewable Energy Laboratory, October 2002.

These publications provide information on how to assess the viability of placing a small wind electric system at a home or business. The guides help energy managers determine potential onsite wind generation, how to choose a correctly sized turbine, and how to connect the power system to the utility grid. To access the reports, visit www.nrel.gov/docs/fy03osti/29793.pdf.

Renewable Energy Atlas of the West, Land and Water Fund of the Rockies, Northwest Sustainable Energy for Economic Development, Green Info Network and Integral GIS, 2002.

The 80-page atlas profiles wind, solar, geothermal, and biomass power resources in the western U.S. with high-resolution maps. The publication also provides a description of the current status of renewable energy development and state-level renewables policies, including tax incentives, system benefits charges, and portfolio standards. To download the free atlas, visit www.energyatlas.org.

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UTILITY-RELATED ISSUES

Selling Green Power to Non-Residential Customers, Energypromotion.net, December 2002.

The report provides information gleaned from a survey of 50 energy companies inquiring about marketing strategies, obstacles, and opportunities associated with the green power products and services that they offer. Two case studies and in-depth interviews of green power program managers are included. For more information, visit www.EnergyPromotion.net.

A Guide to Winning in the Wholesale Power Markets: Volume I, The Midwest, Hill and Associates and BlueWave Resources, December 2002.

The report reveals that renewable energy projects are likely to be deferred unless Federal tax incentives are extended. Study authors estimated future Midwest power prices, gas and coal power generation competition, and financial viability of generation plants. For more information, contact Hill and Associates at (410) 263-6616 or BlueWave Resources at (703) 591-3080.

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ATTACHMENT A

STATUS OF FY03 APPROPRIATIONS BILLS

(In Billions)

HOUSE

SENATE

<i>Jurisdiction/ FY 2003 Budget Request</i>	<i>302(b) Allocations/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>	<i>302(b) Allocations/ Approved Funding Level</i>	<i>Bill No.</i>	<i>Full Cmte.</i>	<i>Floor</i>	<i>Conf.</i>
Agriculture \$17.051	\$ 17.601	<i>HR</i> <i>5263</i>	7/11	7/26		\$ 17.980	<i>S</i> <i>2801</i>	7/25		
Commerce \$ 40.333	\$ 40.726	-	7/18			\$ 43.475	<i>S 2778</i>	7/18		
Defense \$355.4 <i>P.L. 107-248</i> <i>(10/2302)</i>	\$354.7	<i>HR</i> <i>5010</i>	6/24	6/27	10/10	\$ 355.1	<i>S Rpt</i> <i>107-213</i>	7/18	8/1	10/16
Energy and Water Development \$25.149	\$ 26.027	<i>HR</i> <i>5431</i>	9/05			\$ 26.300	<i>S 27844</i>	7/24		
Interior \$18.953	\$ 19.8	<i>HR</i> <i>5093</i>	7/9	7/17		\$ 19.35	<i>S. 2708</i>	6/27		
Labor / HHS \$129.902	\$129.902	<i>HR</i> <i>5320</i>				\$133.988	<i>S 2766</i>	7/18		
Military Construction \$ 10.499 <i>P.L. 107-249</i> <i>(10/23/02)</i>	\$ 10.083	<i>HR</i> <i>5011</i>	6/24	6/27	10/2	\$ 10.622	<i>S</i> <i>2709</i>	6/27	7/18	10/11
Transportation \$ 19.851	\$ 19.411	-	10/1			\$ 21.1	<i>S 2808</i>	7/25		
Treasury \$ 17.960	\$ 18.501	<i>HR</i> <i>5120</i>	7/9	7/24		\$ 18.501	<i>S 2740</i>	7/16		
VA/HUD \$ 92.518	\$ 90.9	-	10/9			\$ 91.434	<i>S 2797</i>	7/25		
<i>H.J. Res 123</i> <i>signed 11/23/02</i> <i>P.L. 107 - __</i>										

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ATTACHMENT D – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

Technology	Manufacturer	Manufacturers Claim	Contact
HVAC			
Aprilaire® Model 400 Automatic Humidifier	Research Products Corporation	Allows 100 percent of water to be used in the evaporation process with virtually no standing water	www.aprilaire.com
CAE Series 6-1/3-ton Air Conditioner	Tempstar, International Comfort Products	Features a single, high-efficiency scroll compressor	www.tempstar.com
Ducane Horizontal 80 Gas Furnace	Excel Comfort Systems	Includes time delay off for air conditioner SEER enhancement	www.ducanehvac.com
DPGB Downflow Furnaces	Excel Comfort Systems	operate at an efficient 80 percent AFUE	www.ducanehvac.com
SH10B Compact Packaged Heat Pumps	Excel Comfort Systems	10 SEER efficiency	www.ducanehvac.com
Upgrade of High Efficiency Fits-All 95™ Upflow Furnace	Excel Comfort Systems	Higher efficiency ratings at 92.1 percent	www.ducanehvac.com
RS-3 Air Purification System	Environmental Dynamics Group	High-efficiency Dynamic Air Cleaners	www.dynamicaircleaners.com
Classic® Outdoor Wood Furnace Model CL5648	Central Fireplace, division of Central Boiler	Ripple Top® and Heat Lock Baffle™ system optimizes combustion and heat transfer for maximum efficiency and low-wood consumption	www.centralfireplace.com
Water Heater/Boiler Models QVM9, QVM8	Quietside Corporation	EnergyStar® rated; QVM8 has AFUE rating of 85 percent; QVM9 has AFUE rating of 90 percent	www.quietside.com
Horizontal Concealed Fan Coil Unit Model THC	McQuay International	Features a high-efficiency coil for reduced operating costs	www.mcquay.com
Iris Damper	Continental Fan Manufacturing Inc.	Permits airflow to be adjusted and measured to within five percent, resulting in reduced field time and improved air balancing accuracy	www.continentalfan.com/
Lighting			
GaAIAs Discrete Infrared LED	LEDtronics®	Average life span of 100,000+ hours (11 years)	www.ledtronics.com

Technology	Manufacturer	Manufacturers Claim	Contact
DynaLUX [®] LED Bulb	Mule Lighting, Inc.	Uses 80 percent less energy, lasts 10 times longer than incandescent	www.mulelighting.com
BZ Dual Voltage Power Pack	The Watt Stopper	Hold-ON/hold-OFF inputs increase energy savings	www.wattstopper.com
Laptop LED Lite [™]	Panasonic	Consumes about two minutes of battery power per hour of use; minimal effect on the efficiency of laptop battery	www.panasonic.com
SlimLite Electronic Metal Halide Ballast	AroTech	Features increase lamp life and save energy up to 25 percent over magnetic	www.con-techlighting.com
Piccolo [™] Fixture	Axis Lighting	Highly efficient	www.axislighting.com/index.htm
Booth Lite Series	Paramount Industries, Inc.	Allows users to direct light to the task which allows use of lower wattage lamps to achieve same light levels with less energy; saves up to 80W per lamp compared to standard VHO T12 lamp	www.paramountlighting.com/
ENERGY MANAGEMENT TOOLS			
Models TR220 and SR200 Pro Series Datalogger	Dickson Co.	Features data storage of 32,512 sample points	www.dicksonweb.com
PLC Pilot [™] Application Software Package	Pacific Microinstruments Inc.	Allows users to monitor and control programmable logic controllers from personal digital assistant-powered mobile devices	www.PacificMicroinstruments.com
IntelliCon [®] Energy-saving Controls	Intellidyne	Result in more efficient use of the system and reductions in energy consumption	www.intellidynellc.com/
EnergyDirector Power Monitoring Software	Eaton/Cutler-Hammer Corporation	Monitors energy use of any electronic point or metered service, including gas, electric, water, and steam	www.ch.cutler-hammer.com/
Utility Information Services	Siemens Building Technologies	Help building owners monitor and reduce energy costs and emissions	www.sbt.siemens.com/
LPT-11 Transceiver	Echelon	Eliminates need for expensive local power supplies	www.echelon.com/
SurgeLogic XW Surge Protection Device	Square D	Assures protection for single- and three-phase power systems, saving downtime and repair costs	www.squared.com/
E-Link System	TEMSCO	Custom-built, stand-alone network of programmable components uses intelligent electronic controllers	www.temsco.com/
CD 250 DALI Dimming/Scene Controller	Leviton	Allows precise tuning of selected brightness levels	www.leviton.com

Technology	Manufacturer	Manufacturers Claim	Contact
BACnet Integration Software for Lighting Control Panel	Watt Stopper	Provides networked lighting control capabilities for facility-wide lighting	www.wattstopper.com
CM3000 Circuit Monitor	Schneider Electric/Square D	Forecasts trend plots, averages, and demand metering in real-time	www.squared.com/
Sigma-Control™ System	Kaeser Compressors	Improves reliability, increases energy savings, reduces maintenance costs, and provides better communication than comparable systems	www.kaesercompressors.com/
web.Client™	Andover Controls	Allows users to integrate all building systems, including HVAC and lighting, into single browser application	www.andovercontrols.com
POWER SOURCES			
Signature 5000 Uninterruptible Power Supply	GE Digital Energy	Operates in a double-conversion mode with true continuous on-line VFI (voltage and frequency independent) operation yielding maximum levels or power reliability for all mission-critical processes	www.geindustrial.com/industrialsystems/gede/index.html
COMPUTERS			
Toughbook CF-R1 Sub-notebook	Panasonic Computer Solutions Company	Most power-efficient computer in its class	www.panasonic.com
Toughbook CF-28	Panasonic Computer Solutions Company	Shifts operating voltages and processor speeds between full power and power-conservation modes based on workload demand; ultra-low-power hibernation mode for reduced system power consumption	www.panasonic.com
Toughbook 50	Panasonic Computer Solutions Company	Deeper Sleep Alert State for maximum performance with minimum battery drain	www.panasonic.com

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ATTACHMENT E

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in blue.
DOE-sponsored events are highlighted in red.

ATLANTA REGION

DATE	EVENT	SPONSOR
January 19-21, 2003	CMRA 2003 Fort Lauderdale, FL	Construction Materials Recycling Association
January 31, 2003	Funding Green Buildings: Sources and Strategies West Palm Beach, FL	The McAdams Group
February 10, 2003	Funding Green Buildings: Sources and Strategies Atlanta, GA	The McAdams Group
February 10-11, 2003	Energy Management Workshop Cocoa, FL	FEMP
February 12-15, 2003	Greenprints 2003: Sustainable Design Atlanta, GA	Georgia Environmental Facilities and Southface Energy Institute
May 7-10, 2003	11 th Rinker International Conference on Destruction and Materials Reuse Gainesville, FL	Center for Construction and Environment
August 17-20, 2003	Energy 2003 Orlando, FL	Federal Energy Management Program
November 12-13, 2003	World Energy Engineering Congress (WEEC) Atlanta, GA	Association of Energy Engineers
November 12-14, 2003	High Performance Facilities Expo 2003 / HPFE Atlanta, GA	Association of Energy Engineers

BOSTON REGION

DATE	EVENT	SPONSOR
March 12-15, 2003	Building Energy 2003 Boston, MA	Northeast Sustainable Energy Association
March 21-22, 2003	Integrated Design/Integrated Development, A Conference on Environmentally Responsible Development Durham, NH	New Hampshire Chapter of the American Institute of Architects

DATE	EVENT	SPONSOR
April 2-3, 2003	GLOBALCON 2003 Boston, MA	Association of Energy Engineers
July 29-31, 2003	Waterpower XIII Buffalo, NY	HCI Publications
July 29- August 1, 2003	2003 ACEEE Summer Study on Energy Efficiency in Industry: Sustainability and Industry – Increasing Energy Efficiency and Reducing Emissions Rye Brook, NY	American Council for an Energy Efficient Economy

CHICAGO REGION

DATE	EVENT	SPONSOR
January 15-16, 2003	The Practice of Environmentally Sensitive Development Denver, CO	Urban Land Institute
January 29-30, 2003	Biodiesel Research and Brainstorming Workshop New Orleans, LA	Department of Energy
February 5-6, 2003	Green by Design Grand Rapids, MI	Steelcase Inc. and Grand Rapids Community College

DENVER REGION

DATE	EVENT	SPONSOR
January 15-16, 2003	The Practice of Environmentally Sensitive Development Denver, CO	Urban Land Institute
January 29-30, 2003	Biodiesel Research and Brainstorming Workshop New Orleans, LA	Department of Energy
September 17-20, 2003	Architectural Engineering 2003: Building Integration Solutions Austin, TX	Architectural Engineering Institute
December 10-11, 2003	Business Energy Solutions Expo 2003 / BESE New Orleans, LA	American Council for an Energy Efficient Economy

PHILADELPHIA REGION

Date	Event	Sponsor
February 26-27, 2003	Gas Turbines for a National Energy Infrastructure Arlington, VA	Department of Energy
March 30-April 1, 2003	The National Green Building Conference Baltimore, MD	National Association of Homebuilders (NAHB) Research Center
April 30-May 2, 2003	EnvironDesign7 Washington, DC	IS Design and Green@work
October 12-14, 2003	2003 AIVC BETEC Conference: Ventilation, Humidity Control and Energy Washington, DC	Building Environment and Thermal Envelope Council
November 12 - November 14, 2003	2003 USGBC International Green Building Conference & Expo Pittsburgh, PA	U.S. Green Building Council

SEATTLE REGION

DATE	EVENT	SPONSOR
January 17, 2003	Funding Green Buildings: Sources and Strategies Phoenix, AZ	The McAdams Group
January 27-30, 2003	Sixth Electric Utilities Environmental Conference Tucson, AZ	Department of Energy
January 27-30, 2003	6th Annual Joint EPA, DOE, EEI, EPRI, & AWMA Conference on Air Quality & Global Climate Change Tucson, AZ	Department of Energy, Environmental Protection Agency, Electric Power Research Institute, Edison Electric Institute & Air and Waste Management Association.
February 4-5, 2003	Life-Cycle Costing (Combined: Basic and Project-Oriented) Honolulu, HI	Department of Energy
February 10-11, 2003	Harvesting Clean Energy - Charting the Way to Profitable Clean Energy Production Boise, ID	Climate Solutions and NW Cooperative Development Center
March 6-9, 2003	Natural Products Expo West Anaheim, CA	Expo West
March 15-18, 2003	International Solar Energy Conference Hawaii Island, HI	American Society of Mechanical Engineers

DATE	EVENT	SPONSOR
May 7-9, 2003	23rd Annual Utility Energy Forum Tahoe City, CA	Northern California Power Agency
May 12-13, 2003	Distributed Energy Resources for Federal Facilities Los Angeles, CA	Department of Energy
September 17-18, 2003	West Coast Energy Management Conference San Diego, CA	Southern California Gas Company and Sempra Energy Utilities

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