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House subcommittee passes grid cyber security bill

A cyber security bill that would give the Federal Energy Regulatory Commission additional authority breezed through the House Energy and Environment Subcommittee March 24. The bipartisan legislation will give FERC "the authorities it needs to address imminent threats to the electric grid with emergency orders, and longer-term grid vulnerabilities with standards written or approved by the commission," Committee Chairman Henry Waxman, D-Calif., said.

While the subcommittee passed the bill by voice vote, Rep. Fred Upton, R-Mich., said it has some "rough edges" that he hopes will be changed. The bill, the Grid Reliability and Infrastructure Defense Act, now goes to the full Energy and Commerce Committee, which is expected to mark up the legislation after the House takes its spring recess.

The bill would give FERC authority to issue emergency orders if the president determines that a "grid security threat" exists, and to require measures to protect against grid vulnerabilities if the commission determines that NERC reliability standards do not adequately address such vulnerabilities. At a March 23 oversight hearing, FERC Chairman Jon Wellinghoff said the agency needs more authority. "It's critical that we address this threat as quickly as possible," he said.

The bill also would require FERC approval of reliability standards (1) to protect the bulk power infrastructure against geomagnetic storms and (2) to ensure availability of large transformers in the event of an attack or geomagnetic storm.

The legislation includes provisions to protect sensitive information and provide for Department of Energy assistance to industry in protecting the grid and obtaining information regarding grid security threats and vulnerabilities.

APPA has testified in support of narrowly targeted new authority for FERC to address imminent cyber security threats, as embodied in a different House bill, H.R. 2165. At a House hearing last October, John DiStasio, general manager and CEO of the Sacramento Municipal Utility District, testified on behalf of the electric utility industry.
APPAs asks FERC to accept settlement in Turlock reliability violation case; urges commission not to draw 'bright line' on load shedding

The Federal Energy Regulatory Commission should not adopt a policy assuming that penalties for violations of NERC reliability standards should be more severe in cases where there is a loss of customer load, APPA said March 18. Such a policy "risks sending mixed regulatory signals to the industry" and could lead to unintended consequences, APPA told the commission.

APPA was responding to FERC's announcement in late February that it would review the case of an Aug. 29, 2007 incident in California that involved the Turlock Irrigation District. On a hot summer day, a Turlock 230-kV transmission line sagged onto an almond tree, causing that line to trip off. Another 230-kV line also experienced an outage. Turlock said the system shed up to 270 MW of load for about an hour. The outages affected the nearby Modesto Irrigation District as well as Turlock.

Last April, NERC (the North American Electric Reliability Corp.) approved a settlement agreement that Turlock reached with the Western Electric Coordinating Council concerning the alleged violation of NERC vegetation management Reliability Standard FAC-003-1, Requirement R2, and other events that led to automatic and manual load shedding. The proposed settlement calls for Turlock to pay a fine of $80,000. The agreement also includes a plan developed by Turlock to address and mitigate the risk of future reliability violations. Turlock neither admits nor denies any violations alleged in the notice of penalty it that NERC filed with FERC about the incident.

On Feb. 26, FERC issued an order stating its intention to review the penalty assessed in the case (Docket No. NP10-18-000). The commission hinted that it thought the $80,000 penalty was too low and that it might impose a higher one, especially in view of the fact that the Turlock incident involved load shedding. FERC also indicated that in the future it is likely to look at cases where violations of reliability standards occur, if the commission considers the violations to be serious enough.

"The more serious a violation described in a notice of penalty appears to be, the more likely it is that we would review the proposed penalty," FERC said. The commission noted that Reliability Standard FAC-003-1 R2 "has a high violation risk factor."

FERC said Reliability First Corp., a regional reliability organization, assessed a penalty of $180,000 against Baltimore Gas & Electric for a violation on Aug. 15, 2007 when a tree touched a conductor, resulting in a 230-kV transmission line outage. There was no loss of load in that case, the commission noted. FERC also cited a $225,000 penalty that was assessed against Commonwealth Edison for an alleged violation of FAC-003-1 R2 involving three momentary transmission line outages where there was no loss of load.

"Because the consequences of Turlock's FAC-003-1 R2 alleged violation are much more severe than those of the other filed violations of the same Standard Requirement, the penalty against Turlock arguably should be higher than the highest penalty amount yet assessed for the same violation," FERC said. FERC noted that load shedding "is not, alone, a violation," and said the commission "recognizes that load shedding may sometimes be necessary or required."

However, FERC said, "unnecessary loss of customer load as a consequence of a reliability standard violation is serious, and serves to increase the severity of the underlying violation."

APPA on March 18 urged the commission not to adopt a "bright line" presumption that penalties should be increased where there is a loss of customer load as a
consequence of a violation of a reliability standard.

"A commission policy of ratcheting up penalties associated with actions that result in load shedding could trigger a perverse incentive for system operators to do exactly the wrong thing when faced with a problematic situation—to try to muddle through adverse system conditions without taking actions such as local load shedding that might well be needed to prevent more adverse impacts," APPA said.

NERC reliability standards "require protection system relays to be configured to shed load in local areas to prevent cascading outages and damage to equipment" over a more widespread area, APPA said.

American Transmission Co. also urged FERC to be cautious about "inadvertently focusing on the consequences of what occurred—the loss of load—and not focusing on the situation that load shedding is intended to address," namely preservation of the bulk power system's reliability, reported Electric Power Daily. ATC asked for "clear, concise" guidance on the circumstances that could lead to significant penalties associated with load shedding. Without this guidance, system operators faced with the need to shed load might "risk something worse" when shedding load might be the most sensible course of action, the company said.

The decision to shed load, by itself, "does not warrant an increased penalty," Turlock said in a March 18 filing with FERC. Load shedding "is a tool employed by utilities to limit and contain the impact of an outage by preventing it from cascading," the irrigation district said. "Here, Turlock effectively utilized this tool and was able to contain the outage to a relatively small area. If the commission treats load shedding as an aggravating circumstance in this case, it will deter other utilities from using load shedding in the future," Turlock said. This "could increase rather than decrease the risk of outages cascading."

In its March 18 motion to intervene in the Turlock case, APPA urged FERC to accept the settlement agreement that Turlock negotiated with WECC and NERC. The association said the $80,000 penalty imposed on Turlock "is, if anything, disproportionately large when compared to the $180,000 penalty imposed on BG&E and the $225,000 penalty imposed on Com Ed." The two private companies are eight to 35 times larger than Turlock, depending on how the utilities' sizes are measured, APPA said. —JEANNINE ANDERSON

Senates confirms three to seats on NRC

The Senate on March 19 approved the nominations of three new members of the Nuclear Regulatory Commission. George Apostolakis was confirmed for a five-year term that will expire on June 30, 2014; William Magwood IV was confirmed for a five-year term that will expire on June 30, 2015; and William Charles Ostendorff was confirmed for the remainder of a term that will expire on June 30, 2011.

The three appointments were applauded by Tony Pietrangelo, senior vice president and chief nuclear officer at the Nuclear Energy Institute. The new commissioners "are well-versed in the scientific, public policy and regulatory aspects of the commercial nuclear sector," he said. "We look forward to working with them to assure that safety continues to be the hallmark of the civilian nuclear energy sector." —JEANNINE ANDERSON

Proposed metrics for judging RTO-run markets must be improved, APPA and ELCON say

The Federal Energy Regulatory Commission's proposed metrics for evaluating the
markets run by regional transmission organizations "must be substantially improved if the commission is going to use them as an analytical tool to meet its statutory responsibilities" to ensure just and reasonable rates, APPA and the Electricity Consumers Resource Council (ELCON) said. In reply comments on the proposed metrics, APPA and ELCON noted that at least 20 of the 54 initial comments on the metrics "explicitly stated that the metrics were insufficient as measures of RTO market performance."

Using generator profits as a standard measure of the markets "would address the inadequacy of simply examining [locational marginal prices] as a measure of market performance, by incorporating all components of wholesale market revenue," APPA and ELCON said. Data on generators' profits "should answer the central question of whether higher prices are simply attributable to higher costs of fuel and other inputs or to generators' earning higher profits than one would expect to see in either a truly competitive market or under cost-of-service regulation."

Opponents argue that support for a generator revenue metric implies support for limits on profits and payments to generators, APPA and ELCON noted. However, none of the parties supporting such a metric "has asked for limits on either profits or losses," they said.

APPA and ELCON rebutted claims by FirstEnergy that supporters of a generator cost metric have "a self-serving demand that certain stakeholders always get the lower of cost or market price" and are looking to undermine competition and formation of RTOs. "To the contrary, APPA/ELCON continue to support truly competitive markets, but have concluded, based on extensive studies of RTO-administered centralized markets, that the prices, profits, market structure, barriers to entry, and absence of data transparency they display do not comport with competitive markets."

Representatives of the RTOs and generation owners have been trying to sell the RTO-operated markets "on the basis that they directly achieve lower prices, renewable energy and demand response," APPA and ELCON said. "Now that FERC is proposing to formally measure such benefits, however, several generation and transmission owners, and even one RTO, assert that many of these developments are a result of factors not directly related to RTO operations."

APPA and ELCON supported a number of metrics proposed by others, including a comparison of electricity prices in RTO and non-RTO states. They also strongly backed a recommendation that the commission develop remedies in cases where the metrics show RTO markets are not providing benefits to consumers or need to be improved. —ROBERT VARELA

Massachusetts sets ambitious energy efficiency standards

The Massachusetts state legislature in late January passed some of the most ambitious energy efficiency standards in the country, giving reduction targets to the efficiency mandates brought by the 2008 Green Communities Act. The state lawmakers set a three-year goal of a 2.4% reduction in electricity use and a 1.15% reduction in natural gas use, measured annually.

The 2008 act directed utilities to invest in energy efficiency measures to meet increased electricity demand whenever doing so is more cost-effective than buying new power or constructing new power plants.

"The Green Communities Act established energy efficiency as the Commonwealth's 'first fuel'—what we look to first to power our homes and our economy," Massachusetts Secretary for Energy and Environmental Affairs Ian A. Bowles said.

These goals will push Massachusetts closer to surpassing California in the American Council for an Energy-Efficient Economy scorecard as Massachusetts will begin spending more per capita on energy efficiency, going from $150 million on consumer
outreach and conservation incentive programs to about $600 million, the New York Times reported.

Costs of the program will be covered partly through fees paid by consumers and auctioning pollution allowances, with state utilities expecting to invest approximately $2.2 billion over the three-year period, the Boston Globe reported.

With energy savings of 2.4 percent per year going forward, Massachusetts would meet 30 percent of its electricity needs through improved energy efficiency, rather than additional generation, by 2020.

Officials expect the standards will translate into $6 billion in consumer savings, a reduction of peak electricity demand by more than 400 MW, and the creation of more than 4,000 jobs.

"These are very ambitious goals and we look forward to partnering with the electric and gas utilities to realize these goals and deliver energy efficiency solutions to our members statewide," said Robert Rio, Senior Vice President of Associated Industries of Massachusetts, who serves on the Energy Efficiency Advisory Council as its industrial energy users representative. —DAVID L. BLAYLOCK

Power supply and transmission issues to be featured at APPA National Conference in June

The 2010 APPA National Conference will offer a variety of sessions focusing on power supply and transmission issues facing public power utilities. The conference will be held June 19-22 at the Orlando World Center Marriott.

A session on "Load Forecasting in Uncertain Times" will feature a discussion of factors that have made load forecasting more challenging, including the increasing real costs of energy, the economic downturn and the impact of mandatory conservation regimes. It will also cover the increasing interest in efficiency and potential imposition of additional environmental protection costs, and methods forecasters should use in planning to meet future energy demand.

The conference will also offer sessions on transmission planning and cost allocation; using demand response to reduce power supply costs; customer-owned generation; renewable energy technologies; and the impacts of turning to natural gas as the fuel of the future.

For the complete conference program and to register, visit www.APPANationalConference.com. —LEANNE NIENHUIS

General Accounting, Finance & Audit spring meeting to focus on GASB pronouncements

APPA's General Accounting, Finance & Audit Spring Meeting will offer attendees an opportunity to learn about key pronouncements from the Governmental Accounting Standards Board. Wes Galloway, a GASB project manager, will provide attendees an overview of the board's projects, answer questions and provide implementation guidance.
The meeting will also include sessions on understanding Federal Energy Regulatory Commission accounting and its practical implications; navigating a utility through tough economic times; economic pressures, including bad debts and collection procedures; and a federal stimulus funding update.

The General Accounting, Finance & Audit Spring Meeting will be held April 22-23 at APPA's office in Washington, D.C. The meeting is open to all employees of APPA member utilities, joint action agencies, and state and regional associations. The cost to participate is $200; online registrations will receive a $50 discount.

Participants in the 2010 General Accounting, Finance & Spring Meeting will have the opportunity to earn up to 13 continuing professional education (CPE) credits in public accountancy.

For complete program information and to register, visit the General Accounting, Finance & Audit Spring Meeting Web site. —LEANNE NIENHUIS

Consumer coalition calls for reforming wholesale electricity markets

While deregulation came with promises of more competition and savings, "the move to 'competitive' energy markets has actually raised costs for consumers," a coalition of consumer protection groups said March 23 on behalf of the Campaign for Fair Electric Rates.

Not only have the markets run by regional transmission organizations "not produced rates that meet the just and reasonable standard, these markets have also not improved the stability and reliability of supply, transmission congestion, data transparency, market power, governance and accountability, and other critical outcomes," the groups (including APPA) said in a statement for the record of a House Energy and Environment Subcommittee oversight hearing on the Federal Energy Regulatory Commission.

The campaign said reforms to the wholesale electricity market should be implemented in accordance with some basic criteria:

- A market structure that produces just and reasonable prices, is fair to all market participants, and shares the benefits of factors such as fuel diversity and operational efficiencies equitably between consumers and suppliers;
- Improved and more timely data transparency and accountability to consumers; and
- A consumer-focused system that assures reliability and capacity growth to meet future electricity needs.

While an investigation of the markets is needed, a number of immediate steps can be taken to provide consumers some relief, the campaign said. One would be to provide greater transparency on generator offers to sell power in the RTO markets, including the identities of specific generators making those bids, and the actual costs of producing that power. "The timely release of market bid data with generating units identified, along with the actual operating costs of those units, would greatly discourage irregular pricing and market manipulation," the campaign told lawmakers. —ROBERT VARELA
Congress should investigate RTO-run markets, APPA and others say

The House Energy and Environment Subcommittee should hold an oversight hearing devoted to the wholesale markets run by regional transmission organizations, APPA and 20 other organizations said in a March 24 letter to subcommittee Chairman Edward Markey, D-Mass. Noting that the Federal Energy Regulatory Commission has not acted on numerous requests for a comprehensive investigation of the RTO-run markets, the groups asked the subcommittee to hold hearings "that will pave the way to a thorough investigation of these centralized wholesale electricity markets and the implementation of reforms that will benefit consumers and the nation's economy."

Numerous investigative studies have raised questions about whether these markets are producing just and reasonable rates and the infrastructure required to meet future clean energy and reliability needs, the letter said. "Exacerbating these difficulties are limitations on data availability." The Government Accountability Office in a 2008 report found that FERC has not conducted an empirical analysis to measure whether RTOs have achieved expected benefits and how they have affected prices and infrastructure, the groups noted.

Such oversight hearings should include expert witnesses and "address the question of whether and to what extent consumers have benefitted or been harmed by these markets," the letter said.

Also signing the letter were the American Forest & Paper Association; American Municipal Power; Blue Ridge Power Agency; Citizen Power; Citizens Coalition (Northern Ohio); Coalition of Midwest Transmission Customers; Connecticut Office of Consumer Counsel; Electricity Consumers Resource Council (ELCON); Illinois Citizens Utility Board; Industrial Energy Consumers of Pennsylvania; Maryland Office of People's Counsel; National Consumer Law Center; NEPOOL Industrial Customer Coalition; New York Association of Public Power; Ohio Municipal Electric Association; Pennsylvania Electric "E" Project; PJM Industrial Customer Coalition; Public Citizen; Public Power Association of New Jersey; and Public Utility Law Project of New York, Inc. —ROBERT VARELA

NPPD's Ron Asche is APPA treasurer

Ron Asche, CEO of the Nebraska Public Power District, is APPA's new treasurer, for a three-year term that began on Feb. 25. Asche replaces Mark Bonsall, associate general manager for commercial and customer services at the Salt River Project in Arizona, who was the association's treasurer for six years. Bonsall was APPA's treasurer from January 2004 until December 2009.

Asche was named president and CEO of NPPD in early 2006. Before that, he was the Nebraska utility's vice president of finance, risk management and rates/chief financial officer.

He graduated from the University of Nebraska in Lincoln in 1971 with a bachelor's degree in business administration, and joined NPPD in 1976 as accounting systems supervisor. Asche also held the positions of rate and contract manager, rate and budget manager, and treasurer-controller and division manager of finance and accounting. He was appointed chief financial officer in March 1995 and vice president of corporate support services in April 1996. From 2003 to 2006 he was vice president of finance, risk management, and rates and chief financial officer. Asche also has held the position of treasurer at NPPD since 1991. —JEANNINE ANDERSON
BPA, Corps award contract for design of new hydroelectric turbines

With funding by the Bonneville Power Administration, the U.S. Army Corps of Engineers awarded a contract to develop the first of a new generation of advanced hydroelectric turbines for the federal Columbia River Power System. The new turbines are designed to provide safer passage for fish, BPA said.

The $10.9-million contract awarded to Voith Hydro Inc. of York, Pa., calls for design and manufacture of a new runner for an aging hydroelectric turbine at Ice Harbor Lock and Dam on the Snake River near Burbank, Wash. A runner is the part of a turbine that rotates in water to generate power.

The contract calls for multiple design cycles using state-of-the-art computer modeling and tests with physical models to examine water flow and pressures. Private and government biological and engineering experts will collaborate in the design process, "which is unique because it makes fish passage improvements a primary goal, ahead of power and efficiency gains," BPA said.

"We want to take advantage of technology that wasn't around when the dams were constructed and design the most advanced runner available to help improve fish passage in the region," said Witt Anderson, director of programs for the Corps' Northwestern Division.

The Corps and BPA crafted the contract as a model to demonstrate a science-based runner design and development process that can guide replacement of other aging turbines, Bonneville said. Development and post-installation testing are expected to improve understanding of fish passage through turbines, with potential application to other hydro power sites.

"It will take more work on the front end," said Mark Jones, BPA's manager of federal hydro projects. "But we'll pave the way for upgrades at dams all through the federal Columbia River Power System that provide the Northwest with renewable power."

The improved turbine components are slated for operation in 2015.

SRP releases water at Roosevelt Dam

A wet winter has raised water levels at Roosevelt Lake in Arizona to 101% of capacity, so the Salt River Project has been releasing water from Roosevelt Dam to make room for runoff from melting snow. The releases have reached 5,500 cubic feet of water per second -- fast enough to fill two swimming pools every second. SRP has posted a video showing the dramatic rush of water being released from behind the dam. Snowpack on the 13,000-square-mile watershed that replenishes the SRP's reservoirs on the Salt and Verde rivers is the deepest it has been in nearly two decades, according to SRP meteorologist James Walter. —J.A.
Tools, techniques and strategies for attracting new businesses to your community will be featured throughout APPA’s 2010 Economic Development Conference, May 5-7 in Indianapolis.

The conference will offer sessions on using social media for economic development; strategies for small towns; economic development incentives; making your community more attractive to industrial site developers; strategies for attracting retailers to your community; and growing existing businesses in your community.

The Economic Development Conference will also feature several roundtable discussions and receptions to allow attendees to network and share ideas and information. The conference is designed for locally elected officials, utility board members, city managers, and utility, city and regional economic development and marketing specialists.

The Economic Development Conference will be held May 5-7 at the Marriott Downtown in Indianapolis. The conference is being co-hosted by the Indiana Municipal Power Agency and the Indiana Municipal Electric Association.

APPA’s Spring Education Institute will also be held at the Indianapolis Marriott Downtown that week.

For complete program information or to register, visit www.APPAEconomicDevelopment.com. —LEANNE NIENHUIS

APPA offers new course on managing electric field operations

Today’s field supervisor often has no effective role model or mentor to guide his or her professional development. At the same time, field supervisors in today’s utility environment are confronted daily with diverse work situations.

APPA is offering a new course, Effective Management of Electric Field Operations, to help crew supervisors/leaders, first line supervisors and operations managers (in construction, operation, maintenance, and customer relations functions) gain the knowledge and skills needed to succeed in these positions.

Course topics include:
· The role of field supervisors in the utility organization;
· Maintaining a safe working environment;
· Individual and crew performance planning and accountability;
· Performance measurement;
· Leadership; and
· Resolving difficult performance problems.

This course is scheduled for May 5-6 in Indianapolis, Ind. as part of APPA’s Spring Education Institute.

The Spring Institute, which will take place May 3-7, also offers in-depth training classes on a variety of other subject areas including accounting, cost of service and retail rate design, customer service, and board governance.

For more information, visit www.APPAnet.org and click on Events or contact Heidi Lambert at 202/467-2921 or hlambert@APPAnet.org. —HEIDI LAMBERT

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CLASSIFIEDS

Management

Senior vice president or vice president, power supply and market operations—Austin Energy is currently recruiting for a power supply and market operations executive to be filled at one of two levels depending on qualifications: senior VP or VP. Please visit the city of Austin’s employment Web site to review position requirements and to apply online at austincityjobs.org. The position is listed under “job req #066619.” For more information, contact Sonya Alexander-Harry at 512/974-3228 or sonya.alexander-harry@ci.austin.tx.us.

General manager—Trinity PUD is seeking qualified candidates with over eight years of electric utility experience with at least six years in management positions. A bachelor’s degree in an appropriate field is highly preferred. The successful candidate must have excellent people and communication skills with proven leadership ability. Trinity PUD offers a great retirement plan, outstanding benefits programs and an excellent compensation plan based on performance excellence. For more information about this position or to submit your application, please contact Gary Hobson or Beth Wray at NRECA Executive Search at-executivesearch@nreca.coop. Your application must be received by May 8, 2010, and include a cover letter, resume, three professional references, and salary expectations.

Other

Principal power dispatcher —$98,188-$122,735/year. The city of Pasadena is seeking a knowledgeable and experienced professional to evaluate, negotiate, and implement short-term power transactions with other utilities. The successful applicant must have five years of experience in power and/or natural gas trading/scheduling procedures, contract negotiation, purchasing contracts and accounting procedures. Five years of experience in energy

Technician

System operator/maintenance—Chillicothe Municipal Utilities is seeking an experienced system maintenance/operator for immediate employment. The successful applicant will be responsible for operation, maintenance, and construction of diesels, gas turbines, generators, and auxiliary equipment at the Beardmore Energy Center to produce electricity. Experience and knowledge of SCADA and GIS is preferred. Chillicothe Municipal Utilities is an equal opportunity employer and offers an excellent compensation and benefit package. Applicants should send a full resume to the attention of Mike Jacobs, Electric Production Superintendent, Chillicothe Municipal Utilities, P.O. Box 140, Chillicothe, MO 64601. For questions, call Mike Jacobs 660/646-1661. Applications will be accepted through April 16, 2010.

Substation technician—$37.51 per hour, $38.64 per hour after April 30, 2010. Are you an outdoor enthusiast? Clallam County has mild weather, very little rain and is located on the beautiful Olympic Peninsula in Washington. We have lakes, mountains, rivers and an ocean sea coast where hunters, fishermen, hikers, campers, bikers, skiers, kayakers and all outdoor enthusiasts gather for an abundance of outdoor fun. There are also great communities, schools and shopping. Clallam County PUD is seeking a substation technician to perform installation, inspection, testing, maintenance and repair of electric and substation equipment in a manner that ensures economical use of vehicles, materials and equipment to facilitate accomplishment of the district’s mission. Relocation assistance is provided. An application packet, job description and additional information about our company and community may be retrieved at our Web site at www.clallampud.net. For additional information or assistance contact us at 360/565-3228. Packets may be returned to P.O. Box 1090,
scheduling or wholesale electric energy and gas trading; and proficiency with a variety of personal computer applications and software is highly desirable. Open until filled. For a complete job description and to apply online, please go to our Web site at: cityofpasadena.net. EOE.

Products & Services

FTTP Triple Play Software Solutions
—For utilities offering Cable TV and Internet services or Triple-Play with FTTP. ETI provides software for customer care, billing, community access and local ad insertion. ETI provisions television, telephone and high-speed access with all major manufacturers. Call Justin Nevius at 800/332-1078 ext. 321, or e-mail jnevius@etisoftware.com.

Check out APPA’s career services on the Web

Visit Careers in Public Power at APPAnet.org. Our career center allows job seekers to upload resumes—and recruiters to obtain resumes from job seekers. APPA members can post online ads for $175 for a 30-day posting or $225 for a 60-day posting (rates are $275 and $325, respectively, for nonmembers). Ads in Public Power Weekly cost 70 cents per word for members and 80 cents per word for nonmembers. Job posting subscriptions are available in packages of five or 10—or unlimited for a full year. If you have questions about classified ads in Public Power Weekly, APPAnet.org or Careersinpublicpower.com, write or call David L. Blaylock, DBlaylock@APPAnet.org or 202/467-2946.

EVENTS CALENDAR

2010

Engineering and Operations Technical Conference
March 28 - 31
Omaha, Neb.

Webinar: Solar Projects: Two Case Studies from APPA Member Utilities
April 6

Webinar: Smart Grid: Educating Your Boards, Staff and Customers
April 13

Overhead Distribution Systems Workshop
April 13 - 16
Colorado Springs, Colo.

General Accounting, Finance and Audit Spring Meeting
April 22 - 23
Washington, D.C.

Constructing, Operating, and Maintaining Underground Distribution Systems Workshop

Supply Management Committee
May 5 - 7
Washington, D.C.

National Conference
June 20 - 23
Orlando, Fla.

Summer Education Institute
Aug. 2 - 6
Orlando, Fla.

Constructing, Operating, and Maintaining Underground Distribution Systems Workshop
Sept. 13 - 16
Orlando, Fla.

Business and Financial Conference
Sept 19 - 22
Indianapolis, Ind.

Legal Seminar
Oct. 10 - 13
San Francisco, Calif.

Customer Connections Conference
Oct. 24 - 27
Spring Education Institute
May 3 - 7
Indianapolis, Ind.

Economic Development Conference
May 5 - 7
Indianapolis, Ind.

Fall Education Institute
Nov. 1 - 5
Portland, Ore.

Public Power Leadership Workshop
Nov. 3 - 5
Portland, Ore.

For a full APPA Events Calendar, visit APPAnet.org.

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