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GOING TO OUR ANNUAL MEETING?

We hope to see you at our 78th Annual Conference and Membership Meeting in Boise, Idaho, May 20-23. If you haven't registered yet for it, there is still time! Visit www.nwppa.org to register today.

Still need to book your hotel room? The Hampton Inn and Suites (208-331-1900) and Hotel 43 (208-342-4622) both have rooms and rates just for us. Call and let them know that you are attending the NWPPA Annual Conference to receive the discounted rates, but do so before the cutoff dates of April 30 and April 23 respectively. (The Grove Hotel is sold out.)



Legislative Announcements

2018 NWPPA Rally on Capitol Hill; Senate Committee Considers Rural Energy Challenges, NWPPA Member Testifies; Energy and Commerce Panel Hears from FERC Commissioners in Broad Hearing; Appropriators Continue FY19 Hearings, Awaiting Rescission Package; Energy Subcommittee Marks Up Four Cyber Bills; DOE Announces New Cyber Grant Program; and NIST Releases Update to Cyber Framework.

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Just a reminder that there is only one more week to complete the 2018 Lineman & Linecrew Pay and Benefits Survey. The deadline for completing the survey is **May 1, 2018**.

If you did not receive your organization's survey link that was sent on April 3, or if you have questions, please contact Nicole Farabee at nicolef@nwppa.org or (360) 816-1454.

What is the 2018 Lineman & Linecrew Pay and Benefits Survey?

In order to streamline your annual survey process, we have combined NWPPA's Annual Journey Lineman Survey and the NWPPA Linecrew Wage and Benefits Survey into one, resulting in the 2018 Lineman & Linecrew Pay and Benefits Survey. The final survey report will be available in June and include data for 6 linecrew job titles and over 70 benefit-related questions.

Thank you in advance for your participation in this valuable regional survey.

Upcoming Educational Opportunities

Check out NWPPA's class offerings in the *eCatalog of Events*. Click on the button below.

Don't miss these upcoming training events:

- [Substation Series: Substation Overview & Inspections](#)
May 8, 2018 in Richland, WA

- [Substation Series: Print Reading and Electrical Circuit Troubleshooting](#)
May 9-10, 2018 in Richland, WA
- [Electric Utility System Operations](#)
May 15-16, 2018 in Missoula, MT
- [Leadership Skills #3: Personalities and Attitudes in the Workplace](#)
May 16-17, 2018 in Kennewick, WA
- [Annual Meeting Pre-Conference Class: Introduction to Roberts Rules of Order](#)
May 21, 2018 in Boise, ID
- [Annual Meeting Pre-Conference Class: 955.1 Your Board's Culture - Its Impact on Effectiveness](#)
May 21, 2018 in Boise, ID
- [Influencing Others: Mastering Human Dynamics](#)
May 23-24, 2018 in Vancouver, WA
- [Negotiating Your Collective Bargaining Agreement](#)
June 5-7, 2018 in Vancouver, WA
- [Vending Machines: Are They Right for Your Utility?](#)
June 5, 2018 – **Online**
- [Leadership Skills #2: Leadership Challenges](#)
June 5-7, 2018 in Whitefish, MT
- [NWPPA HDL Workshop: Are You Ready for Blockchain, Data Centers, and Grow Operations?](#)
June 7, 2018 in Portland, OR

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Industry Calendar of Events

A list of upcoming industry events and meetings.

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RFP's and RFQ's

Utilities: NWPPA offers its utility members the opportunity (at no cost) to post RFPs and RFQs on our website at no charge. Reach out to NWPPA's almost 4,000 associate member contacts that supply goods and services to the utility industry and might be interested in

responding to your utility RFP/RFQ. To post your RFP/RFQ, visit our [RFP/RFQ page](#). For more information, contact Debbie at debbie@nwppa.org or Mark at mark@nwppa.org.

Associate Members: Make sure to check out NWPPA's RFP/RFQ Web page to view utility RFP listings. Listings are posted as they are received by NWPPA.

New RFPs posted April 4 & 6, 2018!

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Recent Industry Jobs

View the job opportunities posted to NWPPA's website in the past week.

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On This Day in History

Birth and Death of William Shakespeare Celebrated; Byers Publishes First Denver Newspaper; Judy Garland Plays Carnegie Hall; and Chrysler Buys Luxury Automaker Lamborghini.

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2018 NWPPA Rally on Capitol Hill

Update provided by Meguire Whitney

On April 16-18, members of NWPPA convened in Washington, D.C., to meet with members of Congress, the administration, and their staff to advocate several key issues important to public power providers in the Northwest.

On Monday, the group participated in a policy forum where key staff members from relevant House and Senate Committees laid out the legislative strategy for the remainder of the 115th Congress. Although prospects for a comprehensive infrastructure package passing this year have dwindled, committee staff maintained that a series of smaller, more targeted bills are likely to move through Congress. The policy conference also included remarks from Rich Glick, commissioner at FERC; Vincent DeVito, counselor to the secretary of Interior for Energy Policy; and Bruce Walker, assistant secretary of Energy for Electricity Delivery and Energy Reliability. Each official highlighted this administration's focus on regulatory reform and enhancing the nation's energy infrastructure and security.

NWPPA members met with more than 40 offices over two days of Hill visits to discuss critical policy issues for the industry, including the need for hydropower relicensing reform. The House has passed legislation sponsored by Cathy McMorris Rodgers (R-Wash.) that would make FERC the lead agency in the relicensing process which would enable the agency to with other stakeholders to make the process more timely and efficient. NWPPA members advocated for Senate action on the issue as it has bipartisan interest. Other issues highlighted included grid resilience; collaboration with utilities for pole attachments and broadband deployment; tax treatment of municipal bonds; and endangered species act reform.

Senate Committee Considers Rural Energy Challenges, NWPPA Member Testifies

Update provided by Meguire Whitney

On April 19, the Senate Energy and Natural Resources Committee held a hearing to examine rural energy challenges and opportunities. Chairman Lisa Murkowski (R-Alaska) highlighted the bipartisan support for the Low Income Home Energy Assistance Program,

weatherization, and other energy programs to help Americans avoid what she calls “energy insecurity” or being forced to choose between high-priced energy and other essential needs.

NWPPA member Doug Hardy, general manager of Central Montana Electric Power Cooperative, testified about the important role the power marketing administrations play in delivering reliable, low-cost power to rural customers. Hardy expressed his cooperative’s strong opposition to the administration’s FY19 budget proposal to sell the transmission assets of three PMAs as well as the proposal to move away from cost-based pricing.

Sen. Angus King (I-Maine) asked the witnesses if a focus on investing in transmission infrastructure to “far-flung” regions and rural islands was an outdated approach. Citing lower costs for solar and batteries, he suggested investments in microgrids and battery storage may be more economical and environmentally friendly solutions for rural energy. King encouraged industry to consider improving and incorporating microgrids into their planning. While Hardy agreed that microgrids with localized, renewable power generation could play an important role in rural energy, he pointed out that current and even near-term battery technology’s ability to act as a bridge between intermittent power generation was still limited to just hours. Therefore, prolonged periods of cold weather with overcast skies and little air movement, common in many parts of the country in the winter, would still necessitate access to the grid – supported by baseload generation – to ensure rural communities have reliable power.

Energy and Commerce Panel Hears from FERC Commissioners in Broad Hearing

Update provided by Meguire Whitney

On April 17, the House Energy and Commerce Subcommittee on Energy hosted all five members of the Federal Energy Regulatory Commission for a wide-ranging hearing on energy issues and the agency’s budget for FY19. Top themes included cybersecurity of the grid, market structures, the Public Utility Regulatory Policies Act, and the transformation of the industry.

Members of Congress thanked the commissioners for their thoughtful response to the Department of Energy’s Notice of Proposed Rulemaking on resilience, but had differing areas of concern about organized markets. For example, Ranking Member Bobby Rush (D-Ill.) expressed concerns about the NOPR favoring coal and nuclear power while “disrupting” markets, while full Committee Chairman Greg Walden (R-Ore.) lamented the markets’ inability to differentiate between varying attributes of generation sources, which is becoming increasingly important.

On the interplay between markets and state public policy, Commissioner Powelson said he would be evaluating state policies based on their impact to wholesale markets, and Commissioner Chatterjee suggested that the Commission's ability to respond to these challenges is constrained by statute – noting that Congress could act to change those constraints. Commissioner Glick emphasized that the Federal Power Act gives states authority over resource decisions.

In the question-and-answer period, all five commissioners indicated they thought PURPA needed reform, but did not give details on how they might pursue such reform or how Congress could amend the act.

Appropriators Continue FY19 Hearings, Awaiting Rescission Package

Update provided by Meguire Whitney

Appropriators in the House and Senate continue to hold hearings on budgets for Fiscal Year 2019. On April 18, the House Agriculture Appropriations subcommittee heard from Agriculture Secretary Sonny Purdue. Much of the hearing focused on agricultural trade with China, though Purdue did comment on the Environmental Protection Agency's waivers for refiners on the Renewable Fuels Standard, noting that the waivers were causing anxiety for U.S. farmers. Secretary Purdue was due to speak on the U.S. Forest Service's budget that same day, but the hearing was postponed.

In the Senate, the Energy and Water Appropriations Subcommittee hosted Commissioner Brenda Burman of the Bureau of Reclamation, as well as officials from the Army Corps of Engineers. All present expressed concern with the low funding levels in the FY19 President's budget, including Chairman Lamar Alexander (R-Tenn.) and Ranking Member Dianne Feinstein (D-Calif.). Feinstein pressed Assistant Secretary for Civil Works R.D. James on whether the Corps has studied the Oroville Dam crisis and what specific lessons have been learned and should be implemented to prevent another dam crisis situation.

Office of Management and Budget Chairman Mick Mulvaney was also before the House Appropriations Committee on April 18 to speak on the FY19 budget. Appropriators on the panel used the opportunity to learn more from Mulvaney on the president's plan to rescind up to \$60 billion in appropriated funds.

Mulvaney defended the rescissions, which he explained would likely be a series of packages presented to Congress in the next few weeks. Monies will be targeted not only from the recently passed \$1.3 trillion omnibus for FY18, but also from previous years' spending. The Budget and Impoundment Act of 1974 gives the president the authority to propose rescissions to specific programs and accounts, which must then be approved by

the House and Senate within 45 days. The accounts are frozen until either Congress approves the cuts or the 45 days lapse.

Senate leadership and appropriators have balked at the idea of the President using this authority, but House leadership has pledged to bring the rescissions before the House for consideration. The details of which programs the OMB and President Trump have in mind for these cuts have not yet been disclosed.

Energy Subcommittee Marks Up Four Cyber Bills

Update provided by Meguire Whitney

On April 18, the House Energy and Commerce Subcommittee on Energy marked up four bills related to cybersecurity and unanimously reported them to the full committee. One of the bills (H.R. 5174) would codify Secretary Perry's new Office of Cybersecurity, Energy Security, and Emergency Response. Another bill (H.R. 5175) would help states improve the security of natural gas pipelines. Of interest to NWPPA, H.R. 5240 would have the Department of Energy provide training and technical assistance to utilities to enhance their cybersecurity preparedness. This is similar to an existing pilot program between the DOE, the American Public Power Association, and the National Rural Electric Cooperative Association. The fourth bill, HR 5239, would create a voluntary testing program to identify products and technologies that are secure for the electric grid.

NWPPA members are actively engaged in cybersecurity planning and implementation. Collaboration with local utilities is imperative in any federal or other government efforts to address cyber and physical threats to the grid.

DOE Announces New Cyber Grant Program

Update provided by Meguire Whitney

On April 16, the DOE announced that the Office of Electricity Delivery and Energy Reliability's Cybersecurity for Energy Delivery Systems program is seeking grant applications for "innovative approaches to advance cyber resilience energy delivery systems." Applicants should seek to develop technology that has a viable path for broad use within the energy sector. The Department established five categories under which it will consider applications: redesign of cyber-resilient architecture (oil and natural gas); cybersecurity for the oil and natural gas environment; cybersecure communications; cybersecure cloud-based technologies in the operating technology environment; and innovative technologies that enhance cybersecurity in the energy sector. Applications for the \$25 million pot of funds are due June 18, 2018.

NIST Releases Update to Cyber Framework

Update provided by Meguire Whitney

The National Institute of Standards and Technology issued an [update](#) to its Framework for Improving Critical Infrastructure Cybersecurity. The Framework was first released in 2014 and provides voluntary guidelines for organizations to manage cyber risks. The guidelines were developed through consultation with various industries, including the electric power sector. The update addresses identity management and supply-chain risks, and provides guidelines for purchasing off-the-shelf technology products and services. Additionally, the updated Framework includes a new section on self-assessing cybersecurity risk, which discusses the need for measuring cybersecurity risk so organizations can conduct cost-benefit analyses before taking action on cyberthreat mitigation measures. This mirrors NERC's risk-based approach to developing reliability standards relating to cybersecurity threats.

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We Remember: Robert Wayne Phillips



Jefferson County Public Utility District #1 (Port Townsend, Wash.) is mourning the loss of one of its longest serving employees. Robert Wayne Phillips, special projects coordinator, was returning to the PUD's Four Corners Operations Center after checking on a number of projects around the county on Monday, April 16, when, according to East Jefferson Fire and Rescue, his PUD-issued utility truck drifted from Highway 20 and struck a tree. Phillips died at the scene. He was 72 years old.

Phillips, or Bob as he was known to friends and coworkers, performed a variety of duties for the PUD. He managed tree trimming, easements, right of ways, and provided support to permitting and construction.

"Bob wore so many hats," said Assistant Manager Kevin Street. "I worked with Bob from the very beginning of my time here at the PUD and he will be sorely missed. He was instrumental to the addition of the electrical utility."

Originally hired as a water distribution manager in 2005, Phillips also stationed the customer service counter taking payments and answering the phone. During the transition to public power, Phillips served as the PUD's purchasing agent. He worked with Street and then General Manager Jim Parker to obtain all the tools and equipment necessary to get the PUD's electrical division up and running by April 2013.

PUD Billing Coordinator Kim Holt took over customer service from Phillips in 2012. She described him as both "ornery and a lot of fun." "We just had a great rapport, all these years. I'm really going to miss him," she said.

"Bob lived a very full life," said Casey Finedell, PUD GIS specialist. "He had great stories. He'd even been the mayor of a small town in Colorado at one time. It's going to take some time for all of us to process his loss."

Human Resources Manager Debbie Lund stated that this is the first time the PUD has lost an employee on the job. "Bob was very well liked, and his loss has affected our employees

deeply. We're doing our best to work through," she said. "Our sympathies go to his family and friends."

Though Phillips died from the injuries he sustained in the crash, the cause of the crash has not yet been determined. Washington State Patrol is investigating the accident.

Snohomish PUD CEO/GM Craig Collar Announces Retirement

Snohomish County Public Utility District (Everett, Wash.) CEO/General Manager Craig Collar has announced his retirement from the utility, effective October 1, 2018, with his last day at the PUD being June 29, 2018. Collar has led the PUD for nearly three years, and previously served as an assistant general manager of Power, Rates and Transmission. He joined the utility in 2006. Collar is leaving to spend more time with family.

Collar has played an instrumental role in securing tens of millions of dollars in grants and forging numerous partnerships with universities and research organizations as the PUD has studied and developed new renewable energy resources in the Pacific Northwest. He also led negotiations with the Bonneville Power Administration, the utility's largest energy supplier, and worked to address a broad range of federal energy compliance issues.

"PUD customers have benefitted greatly from Craig's expertise amid an increasingly complex energy industry," said PUD Board of Commissioners President Kathleen Vaughn. "His many contributions have helped reinforce our continued commitment to conservation, financial prudence, renewable resources, safety, customer service, and ongoing improvements to system reliability."

As general manager, Collar has placed a renewed emphasis on safety to reduce the risk of utility worker injuries and help ensure the well-being of all employees. As a result, the utility's recordable injury rate is at its lowest level in nearly 30 years – down 50 percent from 2015. He also worked with the PUD's Leadership Team to develop a set of strategic priorities that guide the utility to pursue a set of goals across several areas, including continual improvement, customer experience, fiscal management, and delivering energy in the most prudent and reliable way now and into the future.

Prior to joining the PUD, Collar was employed at Kimberly-Clark Corporation for 16 years, serving in several positions that included energy and environmental manager, operations manager, operations leader, technical manager, and mechanical engineer. He also served in the U.S. Navy as a nuclear submarine officer. He earned his M.B.A. at Colorado State University and a Bachelor of Science degree in mechanical engineering from Montana State University.

The utility's board of commissioners will conduct a thorough internal and external search, regionally and nationally, to select the next individual to lead the PUD. With a seasoned

leadership team in place, the PUD Board has expressed its confidence that current initiatives and day-to-day utility operations will move forward successfully in Collar's absence. The board of commissioners will appoint an interim CEO/general manager by June 29, 2018.

Paul Scott Honored at Douglas PUD



*Commissioner Viebrock,
Commissioner Skagen, Paul Scott,
and Commissioner Simpson.*

Douglas County PUD Commissioners Ronald E Skagen, Molly Simpson, and Aaron J. Viebrock awarded System Operator Paul Scott with his 30-year service award during the April 9 commission meeting held at the District's East Wenatchee, Wash., office.

Commissioner Skagen thanked Scott on behalf of the citizens of Douglas County for his years of service. Scott thanked the commission and said, "I

love my job and the place I work."

WPUDA Elects Officers for 2018-2019



*(L-R) Past President Ron Skagen, Secretary Liz
Green, President Dean Dahlin, and Vice
President Randy Smith.*

Washington Public Utilities Districts Association members elected a new slate of officers for 2018-2019 at the association meetings last week.

Lewis County PUD Commissioner Dean Dahlin was elected president, Chelan County PUD Commissioner Randy Smith was elected vice president, and Skamania County PUD Commissioner Liz Green was elected secretary. Lewis County PUD Commissioner Ben Kostick is serving the second half of his two-year

term.

WPUDA's new president is a retired locomotive engineer and active weatherman. Commissioner Dahlin has served on the Lewis County PUD Board of

Commissioners since January 2013. Dahlin, in his first meeting as president, outlined his priorities for the year, including working collectively as an association to pass legislation that would enhance customer access to affordable and reliable broadband service; moving forward on honoring Homer T. Bone, a founding father of public power, by dedicating the WPUDA building in his name; and reviving a PUD organized lineman rodeo.

Vice President Smith moved into position after having served as secretary. Smith has served on the Chelan County PUD Board of Commissioners since 2007.

Newly elected Secretary Liz Green began serving on the Skamania PUD Board in 2015.

WPUDA Treasurer Ben Kostick has served on the Lewis County PUD Board since 2007 and is serving the last year of his third term as WPUDA treasurer.

WPUDA 2017-2018 President Ron Skagen now becomes past president continuing his service on the association's Executive Committee.

Chelan PUD Board Sets New Fees, Charges for Unauthorized Crypto Miners

On April 16, Chelan PUD (Wenatchee, Wash.) commissioners approved new fees and charges for investigation and enforcement of unauthorized services including cryptocurrency and similar data operations and for the loss of useful life for overtaxed power equipment. The unanimous action puts the fees and charges in effect immediately.

The action comes as PUD staff continues to find unauthorized cryptocurrency mining – two to three a day on average.

John Stoll, Customer Utilities managing director, reported discovering and shutting off power to three rogue operations last week. One unauthorized operation was in a south Wenatchee commercial space, another in a west Wenatchee home rented out pending a sale, and the third, perhaps most troubling, Stoll said, in the forest off Highway 2.

Near the Nason Creek Rest Area, Stoll and PUD crew members found evidence of cryptocurrency mining in an outbuilding connected to a remote home, "by a bundle of extension cords." With warmer weather ahead, there was a high fire risk, he said.

Customers found without authorized electric service face fees of up to \$6,150 for in-home cryptocurrency operations and \$11,400 for those in commercial or light industrial space. Unauthorized operations deemed a safety hazard will lose power immediately and be assessed all charges.

Customers also could face prosecution for power theft.

Commissioners extended amnesty for assessing the fees until May 14 in cases where customers without authorized service, and no history of HDL use or suspected use, stop mining immediately and notify the PUD prior to hearing from the utility. May 14 is the public hearing on the application moratorium imposed on March 19 for new highdensity loads.

[Click here to read the full release.](#)

Another Clean Audit for Pend Oreille PUD

Pend Oreille County Public Utility District (Newport, Wash.) received another clean financial audit for 2017. The PUD utilized a third-party firm, Moss Adams LLP, to conduct the audit that covered the financial statements and reporting for the PUD's electric, generating, water, and broadband systems.

On April 10, Moss Adams LLP Partner Olga Darlington presented her final audit report at the PUD board meeting. She stated that District personnel were courteous, responsive, and fulfilled all requests in a timely manner. Darlington also mentioned that management was helpful and transparent during the process.

Board President Dan Peterson said, "The commission is very pleased with the year-after-year excellence demonstrated by the District's finance staff and management."

Fall River Seeking Donation for Student Education

Fall River Electric Cooperative (Ashton, Idaho) is assisting students at three local high schools to raise funds to construct distributed energy generation system at each school in order to provide educational opportunities in the fields of wind and solar power generation. The installed systems at North Fremont High School in Ashton, Teton High School in Driggs, and West Yellowstone High School will include a wind turbine and solar panels as well as a real-time display inside each school.

Included in the project will be teacher training and classroom materials to help integrate distributed generation into each school's curriculum. Utilities nationwide face a changing energy landscape – including growing customer demand for renewable energy options that are accessible, affordable, and local. Fall River Electric intends to give students a head start toward understanding and using emerging technologies.

The Bonneville Environmental Foundation, a nonprofit organization that receives major funding from the Bonneville Power Administration, has also provided a grant to this program in direct support of education and renewable energy literacy. Their grant, along with funds donated by Fall River Electric, provides funding for an exceptional opportunity

to engage students, school administrators, media, community members, and other stakeholders.

Members of the public and local businesses can also assist by contributing to each school's effort. You can donate by visiting www.crowdrise.com/FallRiverSolarforSchools and select the school of your choice. Help the students of these local schools expand their education as they become the future leaders of our communities.

SMUD Upgrading Sierra Campgrounds

SMUD (Sacramento, Calif.) is beginning construction to improve two popular Eldorado National Forest campgrounds in the Crystal Basin Recreation Area. The Sunset and Azalea Cove campgrounds and the Gerle Creek Reservoir area are getting upgrades to existing facilities and some new improvements this spring and summer. Visitors will have an even better outdoor experience in this beautiful part of the Sierra.

Both Sunset and Azalea Cove campgrounds will get upgraded and improved campsites, as well as new and improved trails to the shoreline of Union Valley Reservoir. Additional improvements to Sunset include a new showering facility, a new group campsite, RV service station upgrades, a new entry kiosk, an upgraded drinking water system, and improved signage and information boards. Additional upgrades to Azalea Cove include a new drinking water system, the addition of bear-proof food receptacles, and a new vehicle parking area. Gerle Creek will see improvements to some day use areas and trails.

The projects were agreed to in SMUD's 50-year hydroelectric operating license issued by the Federal Energy Regulatory Commission in 2014 for the Upper American River Project. These improvements are part of \$150 million in upgrades and enhancements to existing UARP-related recreational facilities throughout the Crystal Basin Recreational Area, mostly around SMUD reservoirs. There will also be new recreational facilities added throughout the UARP area. Additionally, under the new license SMUD provides \$1 million annually to the U.S. Forest Service to operate and maintain the UARP-related recreation facilities.

SMUD initiated the upgrade design process even before the operating license was issued in 2014. These initial recreation improvements will continue for the first 20 years of the license. Design work is well underway on several other facilities, with a few already constructed, in addition to those ready to begin this year.

The Sunset and Azalea Cove work will require some areas to be partially or completely closed. Azalea Cove will be closed this May and June. Sunset is currently closed for the year and is scheduled to reopen in spring 2020. There will be limited closures to the Gerle Creek day use areas where work is scheduled to begin in July. Information about closures and limited access are available at smud.org.

[Click here to read the full release.](#)

Spring Storms Produce Average Water Year, Boost PCWA Supplies

Despite a dry start to 2018, storms in late March and early April have produced above-average precipitation in the watersheds that source Placer County Water Agency's (Auburn, Calif.) water supply. The favorable news was reported to the PCWA Board of Directors at its April 19 meeting during a hydrology and water supply update.

As of April 17, cumulative precipitation at Lake Spaulding, which supplies nearly 90 percent of PCWA demand, measured 66.5 inches, or 102 percent of average for this time of the year. Much of the increase is attributed to precipitation in the month of March, which more than doubled the historical average with a total measurement of 22.7 inches. April precipitation, currently at 8.5 inches, is 146 percent of normal.

April's snowpack survey showed a more than five-fold increase from March. As measured at PCWA's four snow courses, current snowpack in the American River and Yuba River watersheds sits at 59 percent of average. Although the snowpack remains below average, robust storage compensates for the scarcity.

Combined Middle Fork Project storage is 130 percent of average, while storage at Pacific Gas & Electric's Lake Spaulding and Lake Fordyce measures 162 percent of average, nearly matching 2017 levels – the wettest year on record. Due to healthy storage levels and above-average precipitation, PCWA will receive 100 percent of its contracted water allocation from PG&E in 2018.

"At the time of our first hydrology and water supply update in 2018, there was lots of speculation about the return of drought from certain corners," PCWA General Manager Einar Maisch said. "But as one or two dry months don't make a season, today we can 'close the book' on any drought for PCWA customers this year."

Break-in at BPA Substation Threatens Power Service, Endangers Employees

Bonneville Power Administration security officials report that a recent break-in at the McNary Substation in Umatilla, Ore., resulted in the theft of 29 copper ground wires. The substation is McNary Dam's first point of integration to the region's power grid.

A BPA employee discovered the theft Monday morning during a routine inspection. Officials say the crime likely occurred over the weekend, between April 13 and 16.

"This is a serious concern on several levels," said Doug Dailey, BPA physical security specialist. "The number of copper grounds stolen creates a safety issue for our

transmission employees and could have caused significant damage to equipment had it not been discovered.”

Officials say there was no interruption of power transmission and that they are evaluating the damage to determine what resources are needed to make necessary repairs.

The BPA Security Office is taking additional steps to further secure property, equipment and materials to minimize and prevent theft at other BPA facilities.

“We learned that this break-in is one of four similar incidents at utility substations in the area over the past couple of months,” said Dailey. “We are coordinating closely with local, state, and federal law enforcement agencies. Additionally, our people have been checking other BPA substations near McNary to determine if any of those locations have been affected.”

Anyone with information about the theft is encouraged to contact the Umatilla County Sheriff’s office at (541) 966-3600.

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Terex Utilities to Build New Manufacturing Headquarters



Architectural rendering of Terex Utilities' future manufacturing headquarters.

On April 17, Terex Utilities announced plans to construct a state-of-the-art manufacturing facility on a 55-acre site in Watertown, S.D. There, Terex Utilities will house all of its assembly, fiberglass, paint, and installation for the company's aerial devices, digger derricks, and auger drills. By consolidating from 10 facilities to one, Terex Utilities aims to enhance its production efficiencies and improve product lead times.

"Terex Utilities is a core business in Terex Corporation's portfolio," said John Garrison, president and CEO. "This investment will allow the company to respond to customer needs with a new facility that simplifies operations, drives better performance, and provides a work environment that will not only attract top talent, but will be a place where people can build long-term careers in manufacturing."

Over the years, the company's current campus evolved through various acquisitions and the growth of expanding product lines, complicating the manufacturing process.

"Bringing production operations under one roof so that material and people only have to travel feet instead of miles will greatly reduce lead times, improve internal communications, and provide team members with greater access to safety, quality, and management support and resources," said Clint Weber, VP and general manager of Terex Utilities.

“We are building for the future,” continued Weber. “The new facility will tap into state-of-the-art manufacturing technologies and automation systems. For example, an LED lighting system will integrate Bluetooth and LED pulse signal systems to allow us to accurately track flow of parts through production.”

The company expects operations to begin in the new facility by the end of 2019.

Terex Utilities has a history of pioneering innovations in the utility market—from being the first to introduce fiberglass booms for live line work in the 1950s to the release of Load Alert™ in 2016. “This facility will help us attract the talent we need to continue growing, innovating, and leading our industry,” said Weber.

Terex Corporation is a global manufacturer of lifting and material processing products and services delivering lifecycle solutions that maximize customer return on investment. More information about Terex is available at www.Terex.com, www.linkedin.com/company/terex, and www.facebook.com/TerexCorporation.

Jemena Limited of Australia Selects OSI Technology

Open Systems International, Inc. has been awarded a contract by Australia’s Jemena Limited to implement a consolidated replacement of the company’s end-of-life core systems, including SCADA, Distribution Management (DMS), Gas Management (GMS), and Outage Management (OMS) systems. Based on OSI’s monarch™ operations technology platform, this new solution will ensure Jemena’s gas, water, and electric customers are served by reliable, efficient, and effective operations systems well into the future.

Jemena owns and operates a diverse portfolio of electric, water, and gas assets throughout the east coast of Australia, including the metropolitan cities of Sydney and Melbourne, boasting more than nine billion dollars’ worth of major utility infrastructure and serving millions of customers.

This new, uniform, enterprise-wide operations technology platform for electric, gas, and water networks features OSI’s Real-time Monitoring and Control; Advanced Distribution Management (ADMS), Outage Management (OMS), and Gas Pipeline Management (PMS) functionality; and comprehensive training simulators for all environments. The delivery also includes OSI’s next-generation historian (CHRONUS™), supported by Big Data technology for massive time series data collection and data mining. OSI technology will replace the company’s legacy systems in operation today, including a GE GENe™ SCADA and Oracle NMS.

“OSI is extremely excited to partner with Jemena on this key transformational business project,” said OSI President/CEO Bahman Hoveida. “We believe our progressive approach to providing a single, enterprise-wide operations technology platform will result in great

operational and maintenance benefits for such a large utility as Jemena. We are pleased to have earned Jemena's trust, and we are looking forward to a very successful implementation of this important project and the further expansion of OSI's presence in Australia."

Open Systems International (www.osii.com) provides open, state-of-the-art, and high-performance automation solutions to utilities worldwide. OSI's solutions empower its users to meet their operational challenges, day in and day out, with unsurpassed reliability and a minimal cost of technology ownership and maintenance.

Calendar of Events

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2018 Upcoming Industry Meetings

Send your 2018 meeting dates and locations to Debbie at Debbie@nwppa.org.

May 2018

3 – PPC Meeting, Sheraton Portland Airport, Portland, OR, 8 a.m. to noon

8-10 – NRECA Connect Conference, Salt Lake City, UT

20-23 – **NWPPA Annual Conference**, Boise, ID

21 – NWPPA Board of Trustees Meeting, Boise, ID

June 2018

5-6 – WRECA Annual Meeting, Wenatchee, WA

7 – PPC Meeting, Sheraton Portland Airport, Portland, OR, 8 a.m. to noon

14 – OMEU Meeting, Canby Utility, Canby, OR

15-20 – APPA Annual Conference, New Orleans, LA

August 2018

2 – PPC Meeting, Sheraton Portland Airport, Portland, OR, 8 a.m. to noon

September 2018

6 – PPC Meeting, Sheraton Portland Airport, Portland, OR, 8 a.m. to noon

12-14 – NWPPA Board of Trustees Meetings, Marcus Whitman Hotel & Conf. Center, Walla Walla, WA

26-27 – NRECA Region 7 & 9 Meeting, Anchorage, AK

October 2018

4 – PPC Meeting, Sheraton Portland Airport, Portland, OR, 8 a.m. to noon

10-11 – GridFWD 2018, Pinnacle Harbourfront Hotel, Vancouver, BC.

Visit: www.GridFWD.com.

18-19 – OMEU Meeting, Salishan Lodge, Gleneden Beach, OR

November 2018

2 – PNUCC, Sheraton Portland Airport, Portland, OR.

December 2018

13 – PPC Annual Meeting & Lunch, Sheraton Portland Airport, Portland, OR – 8:30 a.m. to 1:30 p.m.

13 – OMEU Meeting (following PPC annual meeting), Sheraton Portland Airport, Portland, OR

Jobs

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Recent job openings within the industry in the last week:

Director of Engineering – Oregon Trail Electric Cooperative

Division Manager – Community Energy Department – City of San José, CA

Energy and Water Management Programs Supervisor – Eugene Water & Electric Board

Energy Facility Analyst – Oregon Department of Energy

Executive Vice President and Chief Financial Officer – Bonneville Power Administration

Financial Energy Manager – Placer County Water Agency

High Voltage Electrician Leader (Foreman II) – Western Area Power Administration – Desert Southwest Region

Journeyman Lineman – Rover – Inland Power & Light

Journeyman Wireman (Industrial Electrician) #11286 – Chelan County PUD

Manager of Accounting – Missoula Electric Cooperative

Principal Financial Analyst – Portland General Electric

Project Manager – Western Area Power Administration – Desert Southwest Region

Rates and Financial Planning Manager – City of Tacoma

Specialist III/IV Environmental Science (R18-168) – Portland General Electric

Utility Pole Inspector – Inland Power & Light

Wireman – Snohomish County PUD

Birth and Death of William Shakespeare Celebrated

April 23, 1564



Historians believe Shakespeare was born on this day in 1564, the same day he died in 1616.

Although the plays of William Shakespeare may be the most widely read works in the English language, little is known for certain about the playwright himself. Some scholars even believe the plays were not written by William Shakespeare of Stratford-upon-Avon but by some other well-educated, aristocratic writer who wished to remain anonymous.

Shakespeare's father was probably a common tradesman. He became an alderman and bailiff in Stratford-upon-Avon, and Shakespeare was baptized in the town on April 26, 1564. At age 18, Shakespeare married Anne Hathaway, and the couple had a daughter in 1583 and twins in 1585. Sometime later, Shakespeare set off for London to become an actor and by 1592 was well established in London's theatrical world as both a performer and a playwright. His earliest plays, including *The Comedy of Errors* and *The Taming of the Shrew*, were written in the early 1590s. Later in the decade, he wrote tragedies such as *Romeo and Juliet* (1594-1595) and comedies including *The Merchant of Venice* (1596-1597). His greatest tragedies were written after 1600, including *Hamlet* (1600-01), *Othello* (1604-05), *King Lear* (1605-06), and *Macbeth* (1605-1606).

He became a member of the popular theater group the Lord Chamberlain's Men, who later became the King's Men. The group built and operated the famous Globe Theater in 1599. Shakespeare ultimately became a major shareholder in the troupe and earned enough money to buy a large house in Stratford in 1597. He retired to Stratford in 1610, where he wrote his last plays, including *The Tempest* (1611) and *The Winter's Tale* (1610-11). Meanwhile, he had written more than 100 sonnets, which were published in 1609. Although pirated versions of *Titus Andronicus*, *Romeo and Juliet* and some other plays were published during Shakespeare's lifetime, no definitive collection of his works was published until after his death. In 1623, two members of Shakespeare's troupe collected the plays and printed what is now called the *First Folio* (1623).

Byers Publishes First Denver Newspaper

April 23, 1859



Beating a rival publisher by a mere 20 minutes, William Byers distributes the first newspaper ever published in the frontier boomtown of Denver, Colorado.

Byers had arrived in Denver the previous month. He had previously

worked as surveyor in Oregon and Washington and served as a territorial representative in Nebraska. However, when Byers heard in 1858 of the discovery of silver and gold in the Pike's Peak area of Colorado, he decided to move to the Colorado gold fields to establish a newspaper. Denver was becoming a center for the Colorado mining industry, and Byers reasoned that it was the ideal location to begin publishing a newspaper.

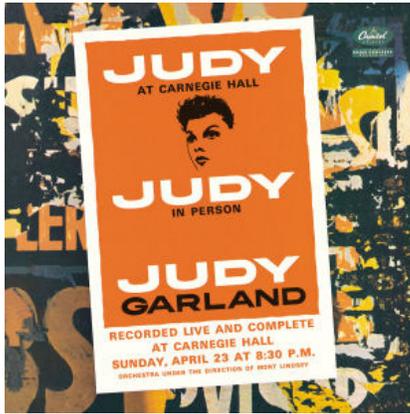
As was the case in many western frontier towns, would-be journalists in Denver were vying for the honor of publishing the first newspaper. In Byers' case, his competitor was the *Cherry Creek Pioneer*. Rushing to beat the *Pioneer* into print, Byers set to work on the first edition of his newspaper shortly after he arrived in Denver in March. Working with a handpress in the attic of a local saloon, Byers printed and distributed the first edition of his newspaper on this day in 1859, beating the first release of *The Pioneer* by only 20 minutes.

In honor of the rugged mountain range that rose up abruptly to the west of Denver, Byers named his new venture in frontier journalism *The Rocky Mountain News*. Byers remained the editor and publisher of the *News* until 1878, using the paper as a platform to promote the development of agriculture in the area as an alternative to relying solely on mining. Never trained as a professional journalist, Byers also unapologetically used the paper to express his own views. "My feelings," he once noted, "have been those of personal championship for a state in which I have felt a deep personal interest." He died in 1903, having witnessed and shaped Denver's transformation from a rugged frontier-mining town to a sophisticated business and financial center of the Rocky Mountain West.

Judy Garland Plays Carnegie Hall

April 23, 1961

She was one of the biggest and most popular movie stars of all time, making her first film appearance at the age of seven and earning the first of three Oscar nominations at 17 for her starring role in what may well be the best-loved American movie of all time, *The Wizard of Oz*. She was also a prolific recording star, selling millions of records and winning five



Grammy awards in a single year nearly three decades after starting out as one of the youngest performers ever signed to a major record label. These accomplishments alone would be enough to impress anyone who was somehow unfamiliar with her work, but “to experience Judy Garland’s full power,” as the PBS series *American Masters* put it, “one had to be in the auditorium when she brought her God-given gifts to bear on a suddenly unified collection of strangers.” Never did Judy

Garland so unify a collection of strangers than on this day in 1961 during the famous Carnegie Hall performance often called “the greatest night in showbiz history.”

The raucous standing ovation that greeted Judy Garland when she took the stage that night at Carnegie Hall set the tone for the evening that followed. “They were on their feet even before the goddess grabbed the microphone,” wrote Lewis Funke for the *New York Times*. “And then she sang,” wrote Judith Christ for the *New York Herald*, “And she sang, let it be reported, as she hasn’t in years.” She sang 27 numbers in front of the rapturous crowd that night and was frequently interrupted by extended ovations. Was it merely the quality of Garland’s performance that night that earned her such an incredible reception? Perhaps it was, but it is also fair to note that the concert took place on the one night a week that Broadway performers have off—Sunday night—and that the audience was therefore, to say the least, a friendly one.

Judy Garland’s performance on this night in 1961 was captured on a live recording that would go on to spend 95 weeks on the U.S. album charts (including 13 weeks at #1) and sweep the 1962 Grammys. But the experience of seeing it live was clearly something else entirely. “She’ll be back in May,” wrote Frank Aston for the *New York World-Telegram*. “Try to get tickets. Just try. This kid is still a killer.”

Chrysler Buys Luxury Automaker Lamborghini

April 23, 1987



On this day in 1987, the Chrysler Corporation purchases Nuova Automobili F. Lamborghini, the Bologna, Italy-based maker of high-priced, high-performance cars. Although the terms of the deal were not disclosed, the media reported that Chrysler paid \$25 million for Lamborghini, which at the time was experiencing financial difficulties.

Lamborghini was established in 1963 by Ferruccio Lamborghini (1916-1993), a wealthy Italian industrialist who made his fortune building tractors and air-conditioning systems, among other ventures. Lamborghini owned a variety of sports cars, including Ferraris. According to legend, after experiencing mechanical problems with his Ferraris, he tried to meet with Enzo Ferrari, the carmaker's founder. When Enzo Ferrari turned him down, Ferruccio Lamborghini decided to build cars that would be even better than Ferrari's. Lamborghini's first car, the 350 GTV, a two-seat coupe with a V12 engine, launched in 1963.

The company's logo featured a bull, a reference to Ferruccio Lamborghini's zodiac sign, Taurus the bull. Various Lamborghini models had names related to bulls or bullfighting, including the Miura, a mid-engine sports car that was released in mid-1960s and gained Lamborghini an international following among car enthusiasts and a reputation for prestige and cutting-edge design. The Miura was named for a breeder of fighting bulls, Don Eduardo Miura.

In the early 1970s, Lamborghini's tractor business experienced problems and he eventually sold his interest in his sports car business and retired to his vineyard in the mid-1970s. Automobili Lamborghini changed hands several times and in 1987 was sold to Chrysler. As The New York Times reported on the day of the sale: "Chrysler officials have acknowledged in the past that an association with a high-priced European brand could give it credibility in the luxury end of the market, where the company has long been weak." The Times also noted that Lamborghini was producing about 450 cars a year and was best known for the Countach, which carried a price tag of \$127,000 and featured a 420-horsepower, V12 engine capable of speeds of 170 miles per hour.

In 1994, Chrysler sold Lamborghini to a group of Indonesian investors. Four years later, German automaker Volkswagen took control of Lamborghini. The company has continued to build high-performance cars, including the Murcielago (capable of 250 mph) and the Gallardo