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Legislative Announcements

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Directory Updates!

Updates for the 2018–2019 NWPPA Electric Utility Directory are still being accepted until May 30th. If your business has not already completed an online survey please follow this [link](#) for [UTILITY](#) updates, and this [link](#) for [ASSOCIATE MEMBER](#) updates.

Updates may also be sent directly to mark@nwppa.org, information from last year can be found [HERE](#).

Associate Member Announcements

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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:

- [Vending Machines: Are They Right for Your Utility](#)
June 5, 2018 Via Online Webinar
- [Electric Distribution Systems](#)
June 12-13, 2018 in Tacoma, WA
- [Senior Leadership Skills Series Session 3: Coaching](#)
June 13-14, 2018 in Hood River, OR

- [Accounting & Finance Conference](#)
June 19-20, 2018 in Spokane, WA
- [Lineman Skills Series: Regulators and Capacitors - Power Quality for Linemen](#)
June 21, 2018 in Richland, WA
- [Leadership Skills #1: Situational Leadership](#)
June 26-27, 2018 in Hermiston, OR
- [905.1 - Assessing Governance: Taking a Continuous Improvement Approach to Governing your Co-op](#)
July 10, 2018 in Hood River, OR
- [Ethics in Design and Operations](#)
July 18, 2018 in Spokane, WA
- [Best Practices in Reliability](#)
July 19, 2018 in Spokane, WA
- [Spill Prevention, Control and Countermeasures \(SPCC\)](#)
September 10, 2018 in Anchorage, AK

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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 May 18th, 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

The Red Cross Was Founded; Connecticut Enacts First Speed-Limit Law; Lindbergh Lands in Paris; and Earhart Completes Transatlantic Flight.

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House Appropriators Advance Interior and Energy and Water Funding Bills

Update provided by Meguire Whitney

Last week, House Appropriators continued marking up funding bills in an effort to move all appropriations legislation in “regular order” before the end of the fiscal year on September 30. On May 15, the House Interior and Environment Appropriations Subcommittee marked up and reported its bill that funds the EPA and the Department of Interior for FY19. The EPA was funded at \$7.95 billion (\$100 million less than the FY18 level) and the Department of Interior would receive \$13.1 billion (equal to the FY18-enacted level). Cuts to the EPA were focused on research, regulatory measures, and enforcement. And while Democrats expressed disappointment about the inclusion of riders repealing WOTUS and removing gray wolves from the endangered species list, they were glad to keep funding levels well above what had been proposed by the Administration. There is no indication that the Senate, with far more Democratic influence, will be willing to consider attaching similar policy riders in their Interior and Environment funding bill.

On May 16, the full House Appropriations Committee held a markup for the FY19 Energy and Water appropriations package and passed the bill with a vote of 29-20, which readies the legislation for floor consideration. Democrats opposed the bill because of cuts to renewable energy R&D programs, such as solar and wind energy. The bill includes riders to repeal the Clean Water Rule and the WOTUS rule, and an amendment to strip them from the bill was rejected. The White House budget office expressed support for the inclusion of funds for nuclear waste disposal at Yucca Mountain, but also decried spending on programs that were proposed to be eliminated in the President’s budget request, such as the Advanced Research Projects Agency-Energy, and the loan guarantee programs that were proposed to be eliminated in the recent rescissions package sent to Congress.

House Committee Passes Fish Management and Water Storage Bills

Update provided by Meguire Whitney

On May 16, the House Natural Resources Committee approved a bill that would consolidate management authority for fish that live and travel between fresh and saltwater. Currently, ocean-dwelling fish are managed by the National Oceanic and Atmospheric Administration within the Department of Commerce. Fish that reside in freshwater are managed by the U.S. Fish and Wildlife Service which is part of the Department of Interior. This can cause bureaucratic complications when dealing with anadromous fish, such as salmon and smelt, who live in salt water but spawn in fresh water or catadromous fish, like the American eel who live in fresh water but spawn in saltwater. H.R.

3916, the Federally Integrated Species Health Act (FISH Act) sponsored by Ken Calvert (R-Calif.) would give management authority over these types of fish solely to the FWS within Interior.

Supporters of the bill said the legislation would help avoid duplication of efforts and conflicting mandates related to implementation of the Endangered Species Act. Although members' position on the bill fell largely along party lines, Republicans highlighted the fact that President Obama identified this aspect of fish management as a prime example of federal bureaucracy in his 2011 State of the Union address when he observed "the Interior Department is in charge of salmon while they're in fresh water, but the Commerce Department handles them when they're in salt water." The bill did garner one favorable Democratic vote from California Rep. Jim Costa who occasionally splits from his caucus to support Republican proposals.

The committee also approved a bill by Representative Dan Newhouse (R-Wash.) to speed up Bureau of Reclamation planning and approval processes for new water storage projects. The streamlining provisions of H.R. 4419, the Bureau of Reclamation and Bureau of Indian Affairs Water Project Streamlining Act, are based on existing authority the Army Corps of Engineers possesses to expedite similar projects within their jurisdiction. Although the bill's opponents argued the proposal would limit public input on major projects, supporters insisted it would help avoid unnecessary delays in bringing important water infrastructure projects online. The bill was approved by a vote of 21-14 with California Rep. Jim Costa again joining Republicans as the only Democrat to vote in favor.

Of interest to NWPPA, H.R.4419 specifically authorizes certain water infrastructure projects, including the Phase III of the Yakima River Basin Integrated Water Resource Management Plan in Washington state.

Senate Appropriations Panel Grills Pruitt on Management, Ethics

Update provided by Meguire Whitney

Environmental Protection Agency Administrator Scott Pruitt answered questions from members of the Senate Interior, Environment and Related Agencies Appropriations Subcommittee on May 16. The hearing's official purpose was to examine the EPA's FY19 budget request but was overshadowed by ethics controversies surrounding Pruitt's management and spending practices. Ranking Member Tom Udall (D-N.M.) and Senator Chris Van Hollen (D-Md.) took the lead on grilling Pruitt, and Republicans also pressed him. Subcommittee Chairwoman Lisa Murkowski (R-Alaska) expressed her frustration that such "legitimate" ethics questions are distracting from the work of the agency.

The administrator largely escaped tough questions about the president's proposed 23-percent cuts to EPA's funding, its aggressive regulatory rollback, or its controversial research and science overhaul. Of interest to NWPPA, the administrator indicated that he expects the agency to release a finalized proposal to withdraw the WOTUS rule and offer a replacement rule for public comment by the beginning of June. He also indicated the process for replacing the Clean Power Plan would be complete by the end of 2018.

House Environment Panel Considers New Source Review Reform

Update provided by Meguire Whitney

On May 16, the House Energy and Commerce Subcommittee on the Environment held a hearing on draft legislation to reform the Environmental Protection Agency's New Source Review program under the Clean Air Act, which governs new and modified emissions sources for a range of pollutants. With a few exceptions, support for the draft broke down along party lines, with Republican members speaking to the program's unintended disincentive to install new pollution controls while Democrats generally said the program was not "unworkable" but that companies simply do not like how it works.

EPA Assistant Administrator for Air and Radiation Bill Wehrum testified on the EPA's actions to reform its internal guidance and interpretations of the program, and in the question and answer period he praised the discussion draft for aligning the definition of "modification" with other statutory definitions. Rep. Debbie Dingell (D-Mich.) took Wehrum to task on whether the EPA is working with California on automobile standards, to which he replied that he had personally been involved in a dialogue with California and reaffirmed his desire for one national program while still seeing a need for changes to the underlying standards. Kirk Johnson of NRECA testified in the second panel, which included state officials, academics, and other industry representatives.

NERC CEO Jim Robb Discusses NERC's Agenda

Update provided by Meguire Whitney

The new CEO of the North American Electric Reliability Corporation Jim Robb outlined his priorities before a May 11 meeting of the NERC Board and representatives from NERC's eight regional reliability organizations. He emphasized that he would not be implementing any major change of direction for the organization and said that NERC will continue to focus on evaluating reliability concerns through a risk-based approach. He highlighted the need for increased attention to cyber and physical security, changes in the fuel mix, uncertainty in organized markets, and resilience. He also stressed the importance of NERC's ideological and technical independence while also maintaining strong relationships with industry. Robb became NERC CEO on March 16.

White House Eliminates Cyber Post, Democrats Want it Back

Update provided by Meguire Whitney

Rob Joyce, a cybersecurity expert on assignment from the National Security Agency to the President's National Security Council, left the White House on May 11; he will return to work at NSA. The White House did not immediately announce a replacement, but an aide to National Security Advisor John Bolton announced on May 15 that the position was eliminated. The announcement noted that the NSC has two other directors that work on cybersecurity issues. Joyce had focused on the security of critical infrastructure, including the electric grid, and publicly called out bad actors, such as cyberespionage by Russia and hacking attacks by North Korea.

Democrats were quick to criticize the decision to eliminate the post. Reps. Jim Langevin (D-R.I.) and Ted Lieu (D-Calif.) introduced legislation that would require the NSC to maintain such a role. Cybersecurity is a constant priority for NWPPA members. NWPPA supports federal efforts to increase the physical and cybersecurity of the electric grid through close coordination between the Federal

Energy Regulatory Commission and local utilities. This well-established process ensures robust and workable standards.

Public Power Announcements

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Salem Electric Directors Re-elected; Officers Elected



At Salem Electric's Annual Membership Meeting held on May 8, Jeff Anderson and Joe Van Meter were re-elected to three-year terms.

At the director's Organizational Meeting, the following officers were elected to serve for 2018-2019: Anderson, president; Dave Bauer, vice president; and Van Meter, secretary treasurer.

Other members of the board include: Jerry Berger, Alicia Bonesteele, Cindy Condon, and Paul Ennor.

Midstate Electric Cooperative Announces Board Election Results

Midstate Electric Cooperative's 66th annual meeting of the members, held on May 12 at the La Pine (Ore.) Middle School, was well attended with over 900 in attendance (409 registered members and their guests). Before the business meeting, attendees enjoyed a barbecue lunch, health fair, high-voltage safety demonstrations, and bucket truck rides.

Vic Russell, Robert Reed, and Diana Cox all ran unopposed and were re-elected for another three-year term. Officers for 2018-2019 are Lee Smith, president; Alan Parks, vice president; and Cox, secretary/treasurer. The board also includes Directors Gordon DeArmond, Ron Sommerfeldt, Ken Wilson, and Bud Kendall.

Crystal Musselman Elected to the Kootenai Electric Cooperative Board



Crystal Musselman was elected to the Kootenai Electric Cooperative (Hayden, Idaho) Board of Directors at the 80th Annual Meeting on April 30. Musselman represents a district at-large position and has more than 30 years of experience in the energy industry.

Musselman is the president and CEO of Proven Compliance Solutions Inc., a NERC compliance consulting firm specializing in assisting companies in the area of electric reliability. She has worked with hundreds of utilities across the United State and Canada that own and operate transmission, generation, solar, wind, and hydro facilities.

She holds a BBA in organizational behavior and management from the University of Houston; a master's of organizational leadership from Gonzaga University; an MBA from Webster University; and

a master's of engineering and technology management from Washington State University.

Musselman and her husband, Patrick, live in Hauser and have been KEC members since 1997. She enjoys golf, camping and traveling.

Chelan PUD Board Reviews Projects

On May 14, Chelan County PUD (Wenatchee, Wash.) commissioners reviewed progress on major investments at Rocky Reach and Chelan dams and those proposed at Rock Island, positive first quarter financial results, and Public Power Benefit projects. Those projects are guided by strategic priorities to invest in people and key assets; pay down debt; and fund Public Power Benefit projects as revenues allow.

Staff reported on successful work at Rocky Reach that includes finishing repairs to correct a design flaw on the first of four large units, refurbishing three cranes, and rewinding stators on the four largest units. Work on the second of the large turbines will finish next year and is on track to complete all four by 2021.

Dan Garrison, Hydro Operations director, also outlined work planned this summer to repaint the inside of the surge tank above the Chelan Falls powerhouse. The project requires idling the two hydro units from mid-July to early October. Crews will do maintenance needed on the units at the same time.

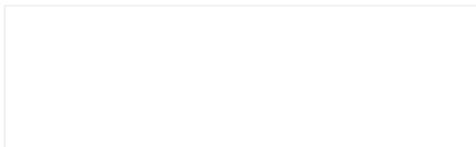
Planning to rehab the eight horizontal turbines in the second powerhouse at Rock Island Dam continues, including analysis of alternate construction approaches. Board members encouraged staff to further investigate a "design/build" or "general contractor/construction management" alternative to improve collaboration with vendors and ultimately improve quality and equipment life. Plans are to start work in the powerhouse in 2021.

First quarter 2018 financial results are strong with a forecast that the PUD will meet its financial targets, pay down debt by \$24 million more, and end the year with a positive bottom line about \$6 million ahead of budget, reported Mark Mullins, Enterprise Risk Management director. He recommended staying the course on the strategic priorities. Looking ahead, staff is planning for lower wholesale revenues with forecasts of declining market prices.

Commissioners also reviewed a proposal to bring new life to the old visitor center at Rocky Reach Dam. It would include moving the museum's historic treasure trove of exhibits from dark and dated quarters in the powerhouse to remodeled space in the former visitor center, now the Discovery Center. The move would increase visibility for the museum and security in the powerhouse, said Casey Hall, project manager.

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

Chelan PUD Board Keeps Moratorium in Place



Also on May 14, Chelan County PUD commissioners listened to comments from customer-owners and cryptocurrency miners at a public hearing. Staff reviewed steps taken since the board imposed



More than two dozen people spoke at Monday's hearing on Chelan PUD's application moratorium for service to cryptocurrency operations.

the [March 19 application moratorium](#) for cryptocurrency mining and similar data operations. After hearing staff and public comments, commissioners voted to extend the moratorium until August 6 and hold another public hearing that day.

Commissioners heard comments from more than two dozen people. Speakers ranged from customers worried about impacts on rates and power supplies to miners asking for service for an industry they say offers jobs and future technology. About 100 people attended the hearing.

Commissioner Randy Smith said the diversity of the comments made it clear to him that more time is needed for staff to develop the PUD's response to the new load demand.

Commissioner Garry Arseneault said taking more time is essential. "We are blazing a path here and we want to get this right," he said.

Commissioner Steve McKenna weighed his decision by the PUD's mission to provide reliable utility services that enhance the quality of life in Chelan County. "I feel we are required to provide the time to make sure we do this well," he said.

General Manager Steve Wright said the District has learned that the definition for high-density loads (HDL) put in place last year is not adequate to address the impacts of the rush of applications to power cryptocurrency mining. "A lot has changed since we put HDL in place," Wright said. "Keep in mind our mission specifies, 'enhance the quality of life in Chelan County.' That means the best value for the most people for the longest period of time."

Lindsey Mohns, Customer Utilities business manager, outlined the substantial work accomplished so far to understand the impacts of responding to service requests from cryptocurrency operators. The PUD has requests that could more than double the PUD's retail electric load.

Staff proposed creating a specific cryptocurrency rate to make sure risks related to miners' mobility, bitcoin price swings, and the industry's mismatch with the PUD's long-term business model are addressed. Discussions with commissioners on defining such a rate class will continue in June.

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

Chelan outline:

More than two dozen people spoke at Monday's hearing on Chelan PUD's application moratorium for service to cryptocurrency operations.

EPUD Awards \$15,000 in Scholarships

Emerald People's Utility District (Eugene, Ore.) awarded a total of \$15,000 to five college students with roots in Emerald PUD's service territory. Each will receive \$3,000 toward their educational expenses.

"These winners are examples of the high level of talent and community involvement coming from the young adults in our district," said Scott Coe, Emerald PUD general manager.

This year Emerald PUD raised the amount recipients could receive from \$1,500 to \$3,000.

The winners are Kenneth Hansen from Marcola, studying diesel technology; Justin Harms from Springfield, studying surveying and GIS; Matthew Hankins-Hogue from Marcola, participating in an electrical apprenticeship program; Kelsey Meng from Junction City, studying business and foreign languages; and Benjamin Vaughn from Creswell, studying engineering.

Salem Electric Awards Ten Student Scholarships

At Salem Electric's Annual Meeting on May 8, Board President Joe Van Meter recognized the cooperative's ten \$1,500 scholarship recipients, congratulated them on their accomplishments, and wished them the best in their future endeavors.

This year's scholarship recipients are Lya Chandler, Andrew Debban, Emma Fagan, Kaylan-Magnolia Helmer, Cassandra Johnson, Carlos Martinez Rangel, Rachel Snyder, Addis Wagener, Elizabeth Wenger, and Hannah Whitlow.

The Oregon Student Assistance Commission administers the program and selects recipients based on school and community activities, academic promise, and the quality of their application and essay.

Three Local Nonprofits Win 2018 EWEB Greenpower Grants

Friends of Trees, St. Vincent de Paul of Lane County, and the Eugene Science Center each won 2018 Greenpower Grants of up to \$50,000 from the Eugene Water & Electric Board's (Ore.) Greenpower Program.

The three community nonprofit organizations proposed high-impact projects that will increase the use of renewable energy sources or reduce/offset the community's carbon footprint. The winners were chosen by a vote of EWEB Greenpower customers. Grant program funding allowed for three winners this year.

Friends of Trees will engage volunteers in community tree planting events to plant and care for 600 trees and native shrubs along major roadways in areas of west Eugene. The West Eugene Living Roadways Project will contribute to cooling and carbon sequestration.

St. Vincent de Paul of Lane County will install a 15.3-kilowatt photovoltaic array on the human-service organization's Youth House for Boys, which will provide housing, food, clothing, safety, and security for homeless, unaccompanied high school students. The photovoltaic system will yield St. Vincent de Paul an estimated \$100,000 in energy savings over 35 years and offset 8.1 tons of carbon dioxide.

Eugene Science Center's project will not only produce solar energy, but also educate its many visitors about the science and technology that make renewable energy possible. The Greenpower Grant will allow the science center to install a 32.5-kilowatt photovoltaic array coupled with lithium ion batteries, as well as create outreach education kits and solar energy exhibits demonstrating solar technology and the amount of solar energy produced onsite.

Other finalists for 2018 Greenpower Grants include the Pearl Buck Center and Eugene Waldorf School. Read the five project summaries [here](#).

EWEB developed the Greenpower Grant Program to help reinvest some of these funds into renewable energy projects, education or those that help offset the community's carbon footprint. The annual grants are open to tax-exempt 501(c)(3) nonprofit organizations, academic institutions or government and other public agencies.

Since 2009, the program has awarded more than \$1 million to 19 local nonprofit projects.

Benton PUD and EVITA Celebrate a New Electric Vehicle Charging Station



(L-R) Brad Sawatzke (Energy Northwest CEO), Benton PUD Commissioner Lori Sanders, Kennewick City Council Member Matt Boehnke, Tom Ashley (Greenlots Vice President), Senator Sharon Brown, Lori Mattson (Tri-City Regional Chamber of Commerce CEO), Tonia Buell (Washington State Dept. of Transportation) and Benton PUD Commissioner Jeff Hall.

On May 16, Benton PUD (Kennewick, Wash.) and EVITA (Electric Vehicle Infrastructure Transportation Alliance) members celebrated the opening of the Southridge Sports and Event Complex electric vehicle charging station. This is the first of nine electric vehicle charging stations being installed as part of a pilot project led by EVITA and its partners, Greenlots and EV4.

EVITA is an industry collaboration comprised of Energy Northwest, Benton PUD, Franklin PUD, Benton REA, City of Richland Energy Services, City of Ellensburg Energy Services, and TRIDEC. All stations will be operated by Greenlots during the pilot project.

EVITA received a \$405,000 grant from the Washington State Department of Transportation Electric Vehicle Infrastructure Partnerships Program for the installation of electrical vehicle direct current fast charging stations along eastern Washington highway

corridors. The proceeds of the grant will be combined with public and private matching funds and in-kind contributions for the installation of the nine stations.

Benton PUD partnered with the City of Kennewick, Greenlots, and EV4 to build the charging station at the City of Kennewick's Southridge Sports and Event Complex.

"We appreciate the City of Kennewick's partnership with this project," said Chad Bartram, Benton PUD general manager. "They provided an excellent location for both local and tourism use."

The Southridge Sports Complex electric vehicle charging station is located in the southwest parking lot along W. Hilderbrand Boulevard off of Highway 395. The other charging stations will be located at Starbucks on Court Street (I-182 and US 395) in Pasco, the Queensgate area (I-82) in Richland, Main Street in Connell (US 395), off Wine Country Road in Prosser (I-82), and near the Selah exit (I-82) in Yakima. Fast charging stations for electric vehicle are also planned along the I-90 corridor located in Ellensburg, Cle Elum, and George.

The charging station has two chargers available, one is a level 2 charging station, which charges a vehicle in two to four hours, and the other is a DC fast charging station with CCS and CHAdeMO plug options, which can charge a vehicle in 20–40 minutes. It is the first non-Tesla DC fast charging station in the Tri-Cities.

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

Silicon Valley Power Celebrated as Public Power Leader

Silicon Valley Power (Santa Clara, Calif.) has once again received the Award of Continued Excellence (ACE) from the American Public Power Association's Demonstration of Energy & Efficiency Developments program. The award was presented on April 30 at the 2018 APPA Engineering & Operations Technical Conference in Raleigh, N.C.

The Award of Continued Excellence, established in 2000, recognizes a DEED member utility that has demonstrated continued commitment to DEED program ideals through involvement in grants and scholarships, use of renewable resources, pursuit of energy efficiency, and support of public power. SVP received this same award in 2002 and has also been honored with four DEED Energy Innovator Awards, extending its track record of excellence.

"SVP has a long history of commitment to the DEED program and to the advancement of public power utilities," said SVP Chief Electric Utility Officer John Roukema. "Through support from DEED, we have been able to investigate and field test emerging energy efficiency technologies. This work has benefitted the public power utility industry and customers in our community and beyond."

"I'm impressed by the partnerships and collaboration that Silicon Valley Power has demonstrated in the project applications it has put together. They have shown an impressive ability to leverage funding and sponsor leading projects," said APPA Sr. VP Engineering Services Michael J. Hyland.

SVP has received six DEED grants to test emerging technologies and evaluate their impact at scale or in market contexts, providing insights that are transferable to other public power utilities. SVP has conducted studies in conjunction with other prestigious public organizations, such as Pacific Northwest National Laboratory. Most recently, SVP coordinated with PNNL to conduct a study that modeled the energy savings of high-efficiency window coverings for different climate zones across the country. A national leader in serving the data center market, SVP also recently leveraged a DEED grant to fund a commercial study on "Energy Efficiency Air Management in Small Data Centers Through the Use of Liquid Cooling in Servers" to prove the efficacy of this cooling solution and its fit for the server industry.

Additionally, SVP supports workforce development through DEED-funded internships and DEED research grants to sponsor students and encourage careers in public power. SVP is currently sponsoring an electrical engineering student from Washington State University in Pullman, Wash., to research harmonic distortion in distributed generation units alongside a senior engineer mentor at SVP.

Clallam Unveils New Office Display

Clallam PUD (Carlsborg, Wash.) would like to thank Brent Maggard, substation and equipment specialist, for fabricating a 120/240-volt pole-mounted transformer display that will help them show



their customers what they're seeing at the tops of certain poles across the county. The importance of this display is not only for customers to get an up-close and personal look at a transformer, but also to show what happens in the case where a customer witnesses a flash or hears a loud explosive sound preceding an outage.

Maggard also included wildlife protective equipment as an example of what our crews put out there to help mitigate wildlife contact resulting in the unfortunate demise of critters such as birds and squirrels. Clallam PUD be taking this display on tour at future events such as the county fair and 2018 home shows. The display is currently set up in the PUD's main office lobby.

SVP Transitions Renewable Energy Program to 100-Percent, Emission-Free Solar Energy

Silicon Valley Power (Santa Clara, Calif.) is pleased to announce that their renewable energy program, Santa Clara Green Power, has moved to 100-percent solar power — primarily sourced from local solar projects in California. Santa Clara Green Power provides Santa Clara residents and businesses the opportunity to take individual and collective action against climate change by purchasing 100-percent solar power through SVP.

This green transition is part of a larger utility initiative to support a renewable energy future. On January 1, 2018, SVP began providing all Santa Clara residential customers with carbon-free electricity as the standard, default power mix. The 100-percent solar option gives SVP customers the option to drive additional demand for zero-emission renewable energy above and beyond the utility's commitment.

"Silicon Valley Power is in the heart of global innovation and our customers are demanding more and cleaner electricity options that align with their values and drive global change" said SVP Chief Electric Utility Officer John Roukema. "It's our job to provide our customers with the most innovative, impactful electricity options that meet their needs."

SVP has delivered, proactively providing customers with a diversified mix of energy resources before state mandates for eligible renewables were enacted and offering its renewable energy program, Santa Clara Green Power, since 2004.

"Our Santa Clara Green Power customers told us that they wanted a product with more local California solar that helped them make a difference," said Roukema. "We couldn't be more excited to make it happen."

Alectra Utilities Receives Novinium Environmental Stewardship Award for Second Year



Novinium, provider of electrical cable rejuvenation for power utilities, presented an Environmental Stewardship Award to Alectra Utilities at their Cityview offices in Vaughan, Ontario, Canada. The Environmental Stewardship Award was established by Novinium to honor the environmental commitment of electrical utilities that choose

rejuvenation of their electrical cables over replacement of their aging, underground power networks. Based on the number of meters of electrical cable rejuvenated in 2017 and the resulting CO₂ mitigation, Alectra Utilities is the only Ontario-based utility, and one of 10 in North America, being presented with this award.

Rejuvenating existing electrical cable allows it to be recycled in place, eliminating the waste created by otherwise abandoning and replacing failing electrical cable. In 2017, Alectra Utilities rejuvenated more than 76,000 meters of underground power cables mitigating 968 metric tons of CO₂ that would have otherwise been released into the environment. In 2016, Alectra rejuvenated more than 70,660 meters of underground power cables mitigating 819.7 metric tons of CO₂ that would have otherwise been released into the environment.

“Our mission at Novinium is to help the electrical industry rehabilitate its aging infrastructure at a fraction of the capital cost of replacement and to do so in a way that is safer and more environmentally friendly than replacement alternatives,” said Glen Bertini, CEO of Novinium. “This award recognizes the commitment by electrical utilities to choose a solution that is good for the planet and their clients.”

Novinium’s patented injection process rejuvenates and extends the reliable life of cable up to 40 years. Headquartered in suburban Seattle, the privately held company is the recognized technology leader in cable rejuvenation and was honored as one of Seattle’s 2013 Best Places to Work. To learn more about the specific injection projects at each of the winning utilities, or for further information about Novinium, visit www.novinium.com.

Launch Alaska Announces Demo Day 2018

RSVP here for Launch Alaska’s biggest event of the year: Demo Day, happening 5-8 p.m. on June 28 at 49th State Brewing Company in Anchorage.

Demo Day 2018 will celebrate the end of Launch Alaska's third accelerator program and showcase its portfolio companies. From software-enabled energy platforms to microgrids and tilt-up wind turbines, this year's cohort companies are paving the way for Alaska's resource revolution. The evening will include company pitches from four current cohort companies as well as two alumni. Time will be available for you to network and meet with the portfolio companies after the program.

Doors open at 5 p.m. and the show starts at 5:30 p.m. Appetizers and drinks will be served.

Launch Alaska is the state's first accelerator. It takes companies through a four-month process to position them for growth and investment. For more information, visit <http://www.launchalaska.com/>.

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2018 Upcoming Industry Meetings

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

May 2018

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.

Recent job openings within the industry in the last week:

Electrical Engineering Associate/Electrical Engineer – Springfield Utility Board

Engineering & Operations Manager – Clatskanie People's Utility District

General Manager – Mason County PUD No. 1

Instrument and Control Technician – City of Roseville – Roseville Electric

Journeyman Lineman – Mission Support Alliance (MSA)

Journeyman Lineman – Canby Utility

Journeyman Lineman – Central Lincoln

Journeyman Lineman – McMinnville Water and Light

Journeyman Lineman – Missoula Electric Cooperative

Journeyman Station Wireman – Springfield Utility Board

Manager 1, Geospatial Information Systems (R18-303) – Portland General Electric

Operations Superintendent – Barrow Utilities and Electric Cooperative, Inc.

Plant Electrician (U18-084) – Portland General Electric

Project Engineer – Matanuska Electric Association, Inc.

Protection and Control Technician – Clark Public Utilities

Public Utility Specialist (Contracts & Energy Services) – Western Area Power Administration – Desert Southwest Region

Specialist III, Utility Asset Management (R18-263) – Portland General Electric

Specialist IV – Project Control Specialist (R17-663) – Portland General Electric

Supervisory Public Utility Specialist – Western Area Power Administration – Desert Southwest Region

System Operators – Chelan County PUD

The Red Cross Was Founded

May 21, 1881



In Washington, D.C., humanitarians Clara Barton and Adolphus Solomons found the American National Red Cross, an organization established to provide humanitarian aid to victims of wars and natural disasters in congruence with the International Red

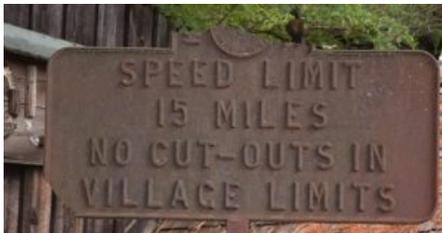
Cross.

Barton, born in Massachusetts in 1821, worked with the sick and wounded during the American Civil War and became known as the “Angel of the Battlefield” for her tireless dedication. In 1865, President Abraham Lincoln commissioned her to search for lost prisoners of war, and with the extensive records she had compiled during the war she succeeded in identifying thousands of the Union dead at the Andersonville prisoner-of-war camp.

She was in Europe in 1870 when the Franco-Prussian War broke out, and she went behind the German lines to work for the International Red Cross. In 1873, she returned to the United States, and four years later she organized an American branch of the International Red Cross. The American Red Cross received its first U.S. federal charter in 1900. Barton headed the organization into her 80s and died in 1912.

Connecticut Enacts First Speed-Limit Law

May 21, 1901



On this day in 1901, Connecticut becomes the first state to pass a law regulating motor vehicles, limiting their speed to 12 mph in cities and 15 mph on country roads.

Speed limits had been set earlier in the United States for non-motorized vehicles: In 1652, the colony of New

Amsterdam (now New York) issued a decree stating that “[N]o wagons, carts or sleighs shall be run, rode or driven at a gallop” at the risk of incurring a fine starting at “two pounds Flemish,” or about \$150 in today’s currency. In 1899, the New York City cabdriver Jacob German was arrested for driving his electric taxi at 12 mph. The path to Connecticut’s 1901 speed limit legislation began when Representative Robert Woodruff submitted a bill to the State General Assembly proposing a motor-vehicles speed limit of 8 mph within city limits and 12 mph outside. The law passed in May 1901 specified higher speed limits but required drivers to slow down upon approaching or passing horse-drawn vehicles, and come to a complete stop if necessary to avoid scaring the animals.

On the heels of this landmark legislation, New York City introduced the world's first comprehensive traffic code in 1903. Adoption of speed regulations and other traffic codes was a slow and uneven process across the nation, however. As late as 1930, a dozen states had no speed limit, while 28 states did not even require a driver's license to operate a motor vehicle. Rising fuel prices contributed to the lowering of speed limits in several states in the early 1970s, and in January 1974 President Richard Nixon signed a national speed limit of 55 mph into law. These measures led to a welcome reduction in the nation's traffic fatality rate, which dropped from 4.28 per million miles of travel in 1972 to 3.33 in 1974 and a low of 2.73 in 1983.

Concerns about fuel availability and cost later subsided, and in 1987 Congress allowed states to increase speed limits on rural interstates to 65 mph. The National Highway System Designation Act of 1995 repealed the maximum speed limit. This returned control of setting speed limits to the states, many of which soon raised the limits to 70 mph and higher on a portion of their roads, including rural and urban interstates and limited access roads.

Lindbergh Lands in Paris

May 21, 1927



American pilot Charles A. Lindbergh lands at Le Bourget Field in Paris, successfully completing the first solo, nonstop transatlantic flight and the first ever nonstop flight between New York to Paris. His single-engine monoplane, *The Spirit of St. Louis*, had lifted off from Roosevelt Field in New York 33 1/2 hours before.

Charles Augustus Lindbergh, born in Detroit in 1902, took up flying at the age of 20. In 1923, he bought a surplus World War I Curtiss "Jenny" biplane and toured the country as a barnstorming stunt flyer. In 1924, he enrolled in the Army Air Service flying school in Texas and graduated at the top of his class as a first lieutenant. He became an airmail pilot in 1926 and pioneered the route between St. Louis and Chicago. Among U.S. aviators, he was highly regarded.

In May 1919, the first transatlantic flight was made by a U.S. hydroplane that flew from New York to Plymouth, England, via Newfoundland, the Azores Islands, and Lisbon. Later that month, Frenchman Raymond Orteig, an owner of hotels in New York, put up a purse of \$25,000 to the first aviator or aviators to fly nonstop from Paris to New York or New York to Paris. In June 1919, the British fliers John W. Alcock and Arthur W. Brown made the first nonstop transatlantic flight, flying 1,960 miles from Newfoundland to Ireland. The flight from New York to Paris would be nearly twice that distance.

Orteig said his challenge would be good for five years. In 1926, with no one having attempted the flight, Orteig made the offer again. By this time, aircraft technology had advanced to a point where a few thought such a flight might be possible. Several of the world's top aviators—including American polar explorer Richard Byrd, French flying ace Rene Fonck—decided to accept the challenge, and so did Charles Lindbergh.

Lindbergh convinced the St. Louis Chamber of Commerce to sponsor the flight, and a budget of \$15,000 was set. The Ryan Airlines Corporation of San Diego volunteered to build a single-engine aircraft to his specifications. Extra fuel tanks were added, and the wing span was increased to 46 feet

to accommodate the additional weight. The main fuel tank was placed in front of the cockpit because it would be safest there in the event of a crash. This meant Lindbergh would have no forward vision, so a periscope was added. To reduce weight, everything that was not utterly essential was left out. There would be no radio, gas gauge, night-flying lights, navigation equipment, or parachute. Lindbergh would sit in a light seat made of wicker. Unlike other aviators attempting the flight, Lindbergh would be alone, with no navigator or co-pilot.

The aircraft was christened *The Spirit of St. Louis*, and on May 12, 1927, Lindbergh flew it from San Diego to New York, setting a new record for the fastest transcontinental flight. Bad weather delayed Lindbergh's transatlantic attempt for a week. On the night of May 19, nerves and a newspaperman's noisy poker game kept him up all night. Early the next morning, though he hadn't slept, the skies were clear and he rushed to Roosevelt Field on Long Island. Six men had died attempting the long and dangerous flight he was about to take.

At 7:52 a.m. EST on May 20, *The Spirit of St. Louis* lifted off from Roosevelt Field, so loaded with fuel that it barely cleared the telephone wires at the end of the runway. Lindbergh traveled northeast up the coast. After only four hours, he felt tired and flew within 10 feet of the water to keep his mind clear. As night fell, the aircraft left the coast of Newfoundland and set off across the Atlantic. At about 2 a.m. on May 21, Lindbergh passed the halfway mark, and an hour later dawn came. Soon after, *The Spirit of St. Louis* entered a fog, and Lindbergh struggled to stay awake, holding his eyelids open with his fingers and hallucinating that ghosts were passing through the cockpit.

After 24 hours in the air, he felt a little more awake and spotted fishing boats in the water. At about 11 a.m. (3 p.m. local time), he saw the coast of Ireland. Despite using only rudimentary navigation, he was two hours ahead of schedule and only three miles off course. He flew past England and by 3 p.m. EST was flying over France. It was 8 p.m. in France, and night was falling.

At the Le Bourget Aerodrome in Paris, tens of thousands of Saturday night revelers had gathered to await Lindbergh's arrival. At 10:24 a.m. local time, his gray and white monoplane slipped out of the darkness and made a perfect landing in the air field. The crowd surged on *The Spirit of St. Louis*, and Lindbergh, weary from his 33 1/2-hour, 3,600-mile journey, was cheered and lifted above their heads. He hadn't slept for 55 hours. Two French aviators saved Lindbergh from the boisterous crowd, whisking him away in an automobile. He was an immediate international celebrity.

President Calvin Coolidge dispatched a warship to take the hero home, and "Lucky Lindy" was given a ticker-tape parade in New York and presented with the Congressional Medal of Honor. His place in history, however, was not complete.

In 1932, he was the subject of international headlines again when his infant son, Charles Jr., was kidnapped, unsuccessfully ransomed, and then found murdered in the woods near the Lindbergh home. German-born Bruno Richard Hauptmann was convicted of the crime in a controversial trial and then executed. Then, in the late 1930s and early 1940s, Lindbergh became a spokesperson for the U.S. isolationism movement and was sharply criticized for his apparent Nazi sympathies and anti-Semitic views. After the outbreak of World War II, the fallen hero traveled to the Pacific as a military observer and eventually flew more than two dozen combat missions, including one in which he downed a Japanese aircraft. Lindbergh's war-time service largely restored public faith in him, and for many years later he worked with the U.S. government on aviation issues. In 1954, President Dwight D. Eisenhower appointed him brigadier general in the Air Force Reserve. He died in Hawaii in 1974.

Lindbergh's autobiographical works include *"We"* (1927), *The Spirit of St. Louis* (1953) and *The Wartime Journals of Charles A. Lindbergh* (1970).

Earhart Completes Transatlantic Flight

May 21, 1932



Five years to the day that American aviator Charles Lindbergh became the first pilot to accomplish a solo, nonstop flight across the Atlantic Ocean, female aviator Amelia Earhart becomes the first pilot to repeat the feat, landing her plane in Ireland after flying across the North Atlantic. Earhart traveled over 2,000 miles from Newfoundland in just under 15 hours.

Unlike Charles Lindbergh, Earhart was well known to the public before her solo transatlantic flight. In 1928, as a member of a three-person crew, she had become the first woman to cross the Atlantic in an aircraft. Although her only function during the crossing was to keep the plane's log, the event won her national fame, and Americans were enamored with the daring and modest young pilot. For her solo transatlantic crossing in 1932, she was awarded a Distinguished Flying Cross by the U.S. Congress.

In 1935, in the first flight of its kind, she flew solo from Wheeler Field in Honolulu, Hawaii, to Oakland, California, winning a \$10,000 award posted by Hawaiian commercial interests. Two years later, she attempted, along with copilot Frederick J. Noonan, to fly around the world, but her plane disappeared near Howland Island in the South Pacific on July 2, 1937. The U.S. Coast Guard cutter *Itasca* picked up radio messages that she was lost and low in fuel—the last the world ever heard from Amelia Earhart.