

Northwest Public Power Association BULLETIN

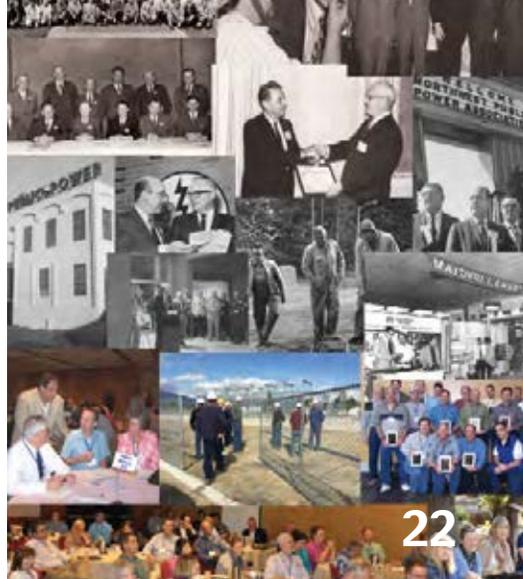
CELEBRATING 75 YEARS
NWPPA
1940-2015
Northwest Public Power Association
May 2015
Volume 69, Number 5

Special Issue
75 years of NWPPA in 75 facts

CELEBRATING **75** YEARS
NWPPA
1940-2015
Northwest Public Power Association



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On the cover: This year NWPPA celebrates its 75th anniversary of continuing to serve the public power community. This issue is dedicated to those 75 years and to our members who have supported us through them.

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The *Bulletin* is a publication of Northwest Public Power Association, a regional organization of diverse utilities. The membership is made up of utility districts, electric cooperatives, municipalities, and crown corporations in Alaska, British Columbia, California, Idaho, Montana, Nevada, Oregon, and Washington. We are also a trade association for nearly 300 companies, individuals, and organizations affiliated with the electric power industry.

Opinions expressed in single articles are not necessarily policies of the Association. For permission to reprint articles, write or call the associate editor.

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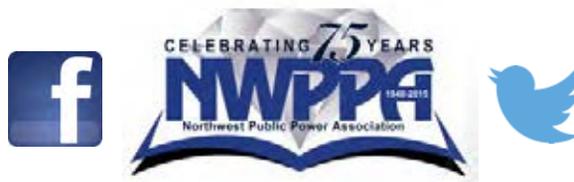
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Celebrating our past with an eye on the future



Scan with your smart phone to view our mobile website.

2015 E&O addressed the past, present, and future of public power

The NWPPA 2015 Engineering & Operations Conference and Trade Show, *Celebrating Our Past with an Eye on the Future*, turned out to be another successful event. Approximately 950 attendees convened in Tacoma, Wash., last month for the three-day event, and early evaluations show a 4.4 out of 5 satisfaction rating from attendees. Heavily attended pre-conference classes on Monday brought many to town early. In fact, both pre-conference roundtables — the Linemen’s Roundtable and Engineering Roundtable — were again so popular with member utility employees that it was standing room only in each.

“This conference and trade show has a rich history among NWPPA members and I am proud to be a part of it,” said Columbia REA’s John Spain, the 2015 E&O chairman. “And to chair the event during NWPPA’s 75th anniversary celebration is just an added honor.”

The conference officially kicked off on Tuesday with the morning general session and the keynote speaker, Joe Malarkey, who promotes himself as the “worst motivational speaker in America.” Malarkey is actually portrayed by George Campbell, who provided a laughter-filled but genuine message that the opposite of success is not failure — it is quitting.

And with that, the conference began! The rest of the week included a panel of utility CEOs and GMs answering audience questions; hot topic sessions; nearly 25 educational sessions to choose from; and Thursday’s keynote speaker, Dr. Joe Mancusi, who also made the attendees laugh while imparting some of his life’s lessons. One great piece of advice that he shared was to “never believe you are better than others, but always think you aren’t worse.” He ended his presentation with a thought-provoking question for the crowd: “What great memory are you going to create for other people?”

And, of course, there was the trade show. This year 185 vendors came to Tacoma to network with clients, and exhibit their products and services to potential new clients. Vendors who played with the past and future theme used all kinds of props, including vintage lineman tools, historical photos, a fortune teller, and Back to Future games. General Pacific won this year’s Best Theme of Conference Award, Platt Electric Supply won Best Presentation of Product, and Terex won Best Enthusiasm. The winners will each receive one free standard booth in the 2016 E&O trade show.

In addition to the vendor awards, NWPPA presented several safety awards throughout the conference. First, on April 7, prior to the opening general session, E&O Chairman John Spain presented the Career Commitment to Safety Award to Mark Maguire, the safety supervisor at the

Continued on page 4



(Top to bottom): Drew Anderson and Chuck Krieger are all smiles even before Terex won Best Enthusiasm; Platt Electric Supply won Best Presentation of Product; and General Pacific and its motion-sensored fortune teller won this year’s Best Theme of Conference Award.

Eugene Water & Electric Board (Ore.). The Career Commitment to Safety Award recognizes one individual each year that has outstanding proficiency in safety; demonstrated leadership in safety in his or her utility and the industry; and has made a significant contribution to safety within the industry over his or her career.

Before Thursday's general session, NWPPA presented another employee award, the Safety Heroism Award, to five Matanuska Electric Association (MEA) employees. MEA Lineman Tony Hardwick, Lineman Glenn Durkee, Lineman David Roby, Safety Manager Steve Willis, and Director of Operations Eddie Taunton were recognized for their quick response and life-saving actions when a local pilot crashed his small plane into 70-foot-tall trees near Wasilla, Alaska. MEA flew Durkee in from Alaska to accept the award on behalf of his co-workers.

The final safety awards experienced a schedule change from previous years. For as long as anyone can remember, the annual safety awards have been presented at a small ceremony on Thursday afternoon before the evening banquet.

This year, the Planning Committee presented the awards at the banquet in front of nearly 300 people.

"This year we moved the presentation of the awards to the banquet so that a much larger crowd could recognize and congratulate the award winners for their commitments to safety," said EWEB's Lance Hughes, chair of the E&O Safety Committee. "We want everyone out there to be able to put faces to names and awards — and basically give the award winners a bit of the spotlight for a moment because we think they deserve it."

The safety contest awards are based upon a review of each utility's safety contest form, the number of recordable injury/illness cases (the incident rate) in 2014, and the lost work days (the severity rate) in 2014. For a complete list of the first-, second-, and third-place winners per category, please visit our website at www.nwppa.org.

For more photos from this year's conference and trade show, visit www.facebook.com/NWPPAssoc.

Mark your calendars for the 2016 E&O in Spokane, Wash., April 4-7, 2016. We hope to see you there! **NWPPA**

2015 E&O Safety Award Winners



Employees accepted 2015 NWPPA Safety Awards on behalf of their utilities at the 2015 E&O Conference and Trade Show in Tacoma.



Left: (L-R) 2015 E&O Conference Chairman John Spain, EWEB Safety Supervisor Mark Maguire, NWPPA Executive Director Anita Decker, and 2015 E&O Safety Committee Chair Lance Hughes.



Right: Matanuska Electric Association Lineman Glenn Durkee accepted the 2015 Safety Heroism Award on behalf of his co-workers at the E&O Conference.

Seven tips for entering your best 2015 Excellence in Communication entries

By now, utility marketing and communications employees should have received one — perhaps two — emails with the 2015 *Call for Entries* for NWPPA's 22nd annual Excellence in Communication Awards. If you have not received one, you may download the complete brochure at www.nwppa.org under the Members Only Resources tab. All entries and fees must be postmarked by Friday, June 26. After the entries have been received and logged, local industry and marketing experts will again judge the entries at the NWPPA office in July. Over the years, we have received great feedback from our volunteer judges. Here are some tips to help you put together the best possible package of entries:



1. For **annual reports**, verify that your submission was written and produced in 2014, not 2015, before dropping it in the mail. For most utilities, this means you will want to submit your 2013 Annual Report.
2. For **newsletters**, enter as many issues of a newsletter as possible — all as one entry. If you have a quarterly newsletter to retirees, submit all four as one entry; or if you have a monthly newsletter to members, submit all 12 as one entry. In other words, a June issue and an October issue of the same newsletter should not be two separate entries.
3. A **statement of purpose** really helps judges understand the meaning and success of entries, especially with advertising campaigns, special publications, social media, and wild card entries. The statements do not need to be lengthy, but if you can include an explanation of its purpose, the targeted audience, and its measured success, the judges really appreciate that information. Without that information, we often hear mumblings from the conference room that sound something like: "It's a nice looking brochure/bill insert/etc., but I don't know why they created it or what the utility did with it."
4. If you entered your **website** last year, yes, you can enter it again this year, assuming you have maintained it at some point during 2014.
5. **Social media** accounts are best submitted as individual entries. If you have a Facebook and Twitter account that you use interchangeably, enter them separately as two entries. If you have a social media campaign that uses multiple platforms to convey the same message, NWPPA considers that an advertising campaign and it should be entered under Category 3.
6. **Photos** produced by apps and filters are acceptable, but they must be utility related. Short descriptions of the photos are requested, but are especially valuable when the photo is abstract and may need some explanation as to how it is related to the industry. If you use an app or filter,

let us know which one; the photography judges love that information.

7. Every entry must include a label attached to it; however, NWPPA only needs the **billing information** one time. Feel free to only write your credit card information on one form, or better yet, include it on a separate sheet of paper that can easily be shredded and recycled.

As in years past, the winning entries and utilities will be honored at Tuesday's evening reception at the annual Northwest Communications & Energy Innovations Conference (NIC). This year the NIC returns to Tahoe; it will be held at Harveys Lake Tahoe in Nevada, September 13-16, 2015. Look for more information about the conference in upcoming *Bulletins*.

Contact Brenda Dunn at brenda@nwppa.org if you have any questions about the contest. **NWPPA**

Silicon Valley Power joins NWPPA

NWPPA would like to welcome Silicon Valley Power to the association as our newest utility member. Silicon Valley Power, the trademark adopted by the electric municipal utility of Santa Clara, Calif., was founded in 1896. It now employs 142 people, serves over 53,000 meters, and had over 3 billion kilowatt-hour sales in 2014. In March 2013, Silicon Valley Power became the first electric utility in the U.S. to provide free citywide outdoor Internet access for all inhabitants and visitors. Director of Electric Utility John Roukema leads the utility.

For more information, visit www.siliconvalleypower.com.

NWPPA

GM, director survey results available soon

This year's only two annual wage and compensation surveys (the 2015 *General Managers Compensation Survey* and the 2015 *Directors, Commissioners, and Other Elected Officials Annual Compensation Survey*) have now been closed and the results will be available online at www.nwppa.org by early June.



As a reminder, these are the only two utility compensation surveys that NWPPA will facilitate this year. (Northwest Wage & Hour surveys are managed separately and will continue to be offered annually.) Starting this year, the Association will begin rotating its annual surveys on an every-other-year basis. These two surveys will be offered this year, and then not again until 2017. Next year, we will open up an updated 2016 *Linecrew Wage and Benefits Survey*; that survey will again be available in 2018.

All survey information is kept confidential and may only be accessed by NWPPA utility member general managers and HR senior management. If you have trouble accessing the results, please feel free to contact Brenda Dunn at brenda@nwppa.org. NWPPA

Don't forget to find the !

In each 2015 issue of the Bulletin, we will be hiding one diamond graphic (like this one ) somewhere in the magazine. For each issue, we will select a random person who has emailed the correct page and location to the associate editor at brenda@nwppa.org. The winner will be notified by the end of the month and receive a gift card from NWPPA.

April's diamond was upside down on page 11 in the upper middle of the page on the shelf with the awards.

Congratulations to April's winner: Eric Trippe from Lewis County PUD in Chehalis, Wash. NWPPA



A look back at public power

50 years ago – 1965

Cowlitz County PUD announced a \$250,000 renovation to its office building; the expansion would include about 8,000 feet of new office space, a modernized heating system, and a computer (Wash.) ... Douglas County PUD commissioners authorized the sale of \$18,600,000 in revenue bonds to add three generators to the seven units already planned for Wells Dam (Wash.) ... NWPPA's 1965 *Pacific Northwest Electric Power Directory* was available for \$2 per copy at the NWPPA office ... According to an extensive article in *Alaska Construction Magazine*, Alaska joined the Middle East as an oil-producing area.

25 years ago – 1990

Umatilla Electric Cooperative saw a lot of changes at this time: it selected Steve Eldrige to succeed Russell Dorran as general manager when Dorran retired at the end of 1990; William Kopacz left Umatilla after 18 years as its consumer services manager to become the general manager at Midstate Electric Cooperative; and Dave D'Avanzo, Umatilla's customer service/communications director, accepted a job with Claverack REC in Pennsylvania (Ore.) ... The Bonneville Power Administration was honored for a decade of environmental achievement by the Natural Resources Defense Council ... Idaho passed a law that set energy efficiency standards for all new home construction.

5 years ago – 2010

Emerald PUD moved to a four-day, 40-hour week (Ore.) ... Kittitas PUD launched its AMR program and began replacing nearly 4,000 meters (Wash.) ... Cowlitz County PUD joined The Energy Authority (TEA) (Wash.) ... At Yellowstone Valley Electric Cooperative's 72nd Annual Meeting, General Manager Terry Holzer explained to members that the co-op had added 300 services in the preceding year, a growth that "many co-ops in Montana would love" ... To reduce financial risk, Chelan County PUD commissioners approved a plan to sell slices of power farther into the future to the highest bidders (Wash.).

NWPPA

June and July 2015

Please register 30 days in advance to receive the Early Bird discount. See www.nwppa.org for more information.

STAKING TECHNICIAN CERTIFICATION PROGRAM: SIZING TRANSFORMERS AND CONDUCTORS

Who Should Attend: Staking technicians.

Overview: This course is part of the Comprehensive Staking Technician Program. It will focus on basic electric theory and the methodology to correctly size transformers and service conductors for standard residential and small commercial loads. Attendees will learn to perform basic calculations for current, voltage, power, and voltage drop. They will also study basic circuit theory and its application in an electric distribution system. Transformer connections and their application to specific electrical loads will be covered.

JUNE 1, 2015 — EUGENE, ORE.

DISTRIBUTION ENGINEERING SERIES: SESSION 1 — PLANNING & ANALYSIS

Who Should Attend: Engineers and senior technical personnel involved in system design, planning, modeling, and analysis.

Overview: This four-day course is one of three events in the Distribution Engineering series designed to teach critical concepts and skills in distribution engineering. The other two sessions in the series are Session 2 — *Overcurrent Protection* (a two-day class) and Session 3 — *Overvoltage Protection* (a 90-minute webinar). Combined with a short project, those who complete all three courses receive a certificate from Hi-Line Engineering for this training series. This first session in the series is a practical and skills-focused course covering engineering planning from analyzing a computer model of a distribution system to documenting a planning study.

JUNE 1-5, 2015 — VANCOUVER, WASH.

STAKING TECHNICIAN CERTIFICATION PROGRAM — UNIQUE STRUCTURES

Who Should Attend: Staking technicians.

Overview: This course is part of the Comprehensive Staking Technician Program. Attendees will learn to design special structures that require additional strength due to extreme wind load, long spans, and multiple circuits. This section also includes designing steel pole and unguied wood pole structures.

JUNE 2, 2015 — EUGENE, ORE.

OPERATIONS MANAGER & LINE SUPERINTENDENT BOOTCAMP — SESSION 4

Who Should Attend: Newly appointed operations managers, line superintendents, or those who have leadership potential. (This series is intended to create a cohort that completes the series together. Courses in the series are intended to be taken in order. Attendees that start the series with Session 1 will be given priority before others are allowed to register. A wait list will be created for those not able to register.)

Overview: This two-day course will provide you with the tools and knowledge that will add to your current operational skills and abilities to succeed as you take on additional responsibilities. It is highly recommended that you have completed either the Foreman Leadership series or Front Line Leadership series. Day 1, *How Outside Plant Employees Can Build Stronger Customer Relations*, is designed for employees who work in the field and covers the basic principles of good customer service. On Day 2, *Building Strategic Internal Partnerships*, participants will learn about the meaningful benefits of developing and fostering internal partnerships as a foundation for mutual success.

JUNE 2-3, 2015 — VANCOUVER, WASH.

ELECTRIC UTILITY SYSTEM OPERATIONS

Who Should Attend: Any industry (utility or vendor) employee whose job performance will benefit from a basic understanding of the operations side of the utility business.

Overview: This popular two-day course presents a clear understanding of the technical heartbeat of the utility by providing employees with a comprehensive understanding of electric utility system operations, including generation (fossil fuel, hydro, and nuclear generation), transmission, and distribution (down to 120v/240v residential connections). You will learn how all key pieces of equipment in the system are built, how the equipment operates, and how the equipment functions in the overall operations of a utility system.

JUNE 2-3, 2015 — VANCOUVER, WASH.

ONLINE — PROFESSIONALISM IN THE WORKPLACE

Who Should Attend: Anyone who wants to enhance his or her level of professionalism in the workplace.

Overview: The success of our working relationships depends on the trust and respect we have for each other. Yet we may be sabotaging these relationships through some of our conversations, manners, emotions, attitudes, and other behaviors that interfere with how others perceive us. This is important because how you are perceived by others impacts the levels of trust, morale, communication, and motivation within the workplace.

JUNE 3, 2015 — ONLINE PRESENTATION

STAKING TECHNICIAN CERTIFICATION PROGRAM: OVERHEAD/POLE-LINE STRUCTURE DESIGN AND LAYOUT

Who Should Attend: Staking technicians, customer service engineers, and other employees involved in the design of new electrical services.

Overview: This course is part of the Comprehensive Staking Technician Program. In this class, attendees will learn to design overhead electrical distribution structures. The course is organized as a set of building blocks, each segment building upon the other. The building blocks include conductors, poles, pole-top assemblies, guys, and anchors. Tables and graphs of design values will also be provided for immediate use in the field. Attendees will also learn basic calculations to determine maximum allowable spans; wind and ice loading; and total guy load.

JUNE 3-5, 2015 — EUGENE, ORE.

ELECTRIC DISTRIBUTION SYSTEMS

Who Should Attend: Engineers, line workers, substation workers, apprentices, and support staff that have direct responsibility for the construction, operation, and maintenance of the utility's distribution system. (Prerequisite: It is highly recommended that students complete *Electric Utility Systems Operation* before attending this class. Those who do not must have substantial experience in the basics of electric systems and utility operations.)

Overview: This popular two-day course provides in-depth coverage of an electric utility's distribution system, from the distribution substation to a customer's outlet. Topics covered include substation transformers and testing; step and touch potential; various systems which customers may request, such as single-phase and three-phase power; details of overhead and underground electrical systems; reliability; transformer and capacitor details; and substation communications.

JUNE 4-5, 2015 — VANCOUVER, WASH.

TRAINING OPPORTUNITIES

FRONT LINE LEADERSHIP SESSION #4: HR BASICS; BUILDING A MORE EFFECTIVE WORKPLACE

Who Should Attend: Front line supervisors and managers, and those front line employees who will be transitioning to a supervisor or manager role in the near future.

Overview: On day one, attendees will cover basic federal laws, issues which commonly arise under these laws, and the significant areas giving rise to litigation in the employment process: hiring, evaluations, discipline, harassment, accommodation, attendance, and discharge. The purpose of day two, *Building a More Effective Workplace*, is to provide participants with a clear understanding of the importance of employee evaluations and the process to follow in preparing for and conducting appraisals.

JUNE 10-11, 2015 — BEND, ORE.

BASICS OF BUDGETING AND FINANCIAL FORECASTING

Who Should Attend: Finance and accounting employees; senior management or policy makers; and any employee seeking to increase his or her knowledge of the budgeting process that takes place at electric utilities.

Overview: In this one-day seminar, attendees will create a basic budget that ties the following elements together: a work plan; a verbal presentation of what will be accomplished during the next budget year; an operating (profit and loss) budget analyzing income and expenses anticipated to accomplish the work set out in the work plan; a capital budget outlining what assets will be purchased or built as outlined in the work plan; a cash budget tying together the operating and capital budget; and more.

JUNE 16, 2015 — SPOKANE, WASH.

NEW! CONDUCTING PROPER WORKPLACE INVESTIGATIONS: HALLMARKS OF AN EFFECTIVE INVESTIGATION

Who Should Attend: Any supervisor or manager who may need to investigate employee complaints or workplace incidents; as well as human resources professionals who need to be involved in an investigation.

Overview: This class will help you determine when to handle the incident within your own department and when you should escalate it to your human resources department. It will also address how to conduct an investigation, handle confidentiality issues while talking to other employees about the incident; whom should you talk to and why; how to manage rumors; how your union contract impacts the case; and, if your case goes to court, what a jury looks for in making its decision.

JUNE 16-17, 2015 — SPOKANE, WASH.

NEW! SUBSTATION OVERVIEW & INSPECTION

Who Should Attend: New line and substation personnel, distribution engineers, and supervisors who have responsibility for transmission and distribution substations.

Overview: This two-day class, the first class in a new NWPPA series on substation operations, will provide an overview of substations, inspection practices, substation equipment, basic print reading, protective relaying, substation metering, specific equipment inspection practices, equipment troubleshooting, and documentation. The class will include an inspection tour of a distribution substation where you will review the areas covered in the class and practice what you have learned with an inspection of a substation.

JUNE 17-18, 2015 — REDDING, CALIF.

REVENUE METERING: INTRODUCTION AND BASIC APPLICATION

Who Should Attend: Metering, service, linemen, and other operations personnel; engineers; purchasers of meter products; supervisors; and other individuals who require an understanding of revenue meters.

Overview: This two-day class will take you from start to finish on

the basics of metering. You will begin with a screwdriver and a determination to dismantle your standard revenue house meter. After you learn the function of each part, the next step is getting to know how the meter fits into the big picture of revenue metering.

JUNE 17-18, 2015 — REDDING, CALIF.

TELEPHONE EXCELLENCE

Who Should Attend: Customer service professionals and others who work with customers by phone.

Overview: This highly interactive class focuses specifically on working with your customers by phone. During this two-day class, you will identify what is most important about your skills on the phone and focus on ways to engage your customer within the first few seconds throughout the call. It will also help you develop outstanding telephone etiquette and fine tune the ways you phrase your responses.

JUNE 17-18, 2015 — SPOKANE, WASH.

PATHWAYS TO LEADERSHIP #2, SERIES 3 — LEAD YOUR TEAM(S)

Who Should Attend: Directors, managers, graduates of the Front Line Leadership series, and newly appointed senior leaders.

Overview: This two-day course can teach you the skills to build trust, encourage collaboration, enhance problem solving, and help move your team(s) through the different stages of team development. It is a core framework of the following five steps: perform model, team charter, team development, situational leadership II, and tools for team leadership.

JUNE 17-18, 2015 — BEND, ORE.

A GUIDE TO THE WONDERFUL WORLD OF RUS ACCOUNTING

Who Should Attend: Accounting staff from cooperatives and any other utility using RUS accounting methods.

Overview: In this one-and-a-half-day course we'll discuss USOA, GAAP, FERC, and all sorts of other fascinating topics. The only definite thing when it comes to debits and credits in the accounting world is that a debit is on the left side of a transaction and a credit is on the right side of a transaction.

JUNE 17-18, 2015 — SPOKANE, WASH.

PATHWAYS TO LEADERSHIP #5, SERIES 2 — LEAD YOUR ORGANIZATION, SUSTAIN EXCELLENCE, AND MANAGE CHANGE

Who Should Attend: Directors, managers, graduates of the Front Line Leadership series, and newly appointed senior leaders.

Overview: Pathways to Leadership Session 5 will focus on sustaining a culture of excellence within your team and organization. You will learn how to assess your culture, lead change, and renew the energy of your team toward desired values, goals, and initiatives. In this session you will learn and apply key tools for maximizing and sustaining high performance within your team. In doing so, you will make clear ties to the success of your organization as well.

JUNE 23-24, 2015 — STEVENSON, WASH.

NEW! ENTERPRISE RISK MANAGEMENT FOR UTILITIES — ADDING VALUE TO YOUR ORGANIZATION

Who Should Attend: Chief financial officers, senior-level accounting staff, auditors, general managers/CEOs, policymakers, and legal counsel.

Overview: In day one of this program, the instructor will help participants plan how to implement enterprise risk management (ERM) at their organizations or increase the effectiveness of existing ERM programs within their organizations. During day two, participants will learn about various tools and methods to report and measure risks.

JUNE 24-25, 2015 — BOISE, IDAHO

FRONT LINE LEADERSHIP #1: SITUATIONAL LEADERSHIP

Who Should Attend: Front line supervisors and managers, and those

front line employees who will be transitioning to a supervisor or manager role in the near future.

Overview: This is the first in a series of four sessions leading to a Credential in Front Line Leadership from NWPPA; it is also the prerequisite for *Front Line Leadership Session #3: Personalities & Attitudes in the Workplace*. Participants will be introduced to situational leadership as taught by the Ken Blanchard Companies and will evaluate their own leadership styles through a self-evaluation. They will learn a common vocabulary for leadership and understand the differences between successful and effective leadership.

JULY 8-9, 2015 — RICHLAND, WASH.

ADMINISTRATIVE PROFESSIONALS WORKSHOP

Who Should Attend: Administrative assistants, executive assistants, department secretaries, records retention staff, and clerks to the board.

Overview: This workshop will focus on several areas of interest, including time management strategies; energy updates on national issues of importance; QuietSpacing and power processing your email; smart grid and disintermediation; travel arrangement and event planning; enterprise content management; Sharepoint; and project management.

JULY 8-9, 2015 — PORTLAND, ORE.

IT SECTION MEETING

Who Should Attend: NWPPA utility and associate members who are involved in the information technology aspects of their organizations.

Overview: Join your colleagues from throughout the region for this convenient, one-day meeting that features a presentation on a current IT topic followed by open discussions with your colleagues. To make this informative meeting convenient for you, each section meeting starts late, ends early, and is close to an airport.

JULY 15, 2015 — SPOKANE, WASH.

NORTHWEST WAGE AND HOUR QUARTERLY MEETING

Who Should Attend: Members of the Northwest Wage and Hour (NWWH) group: general managers, labor relations managers, and human resource professionals.

Overview: NWWH meetings are opportunities for its members to discuss issues relevant to labor relations within public utilities. The meeting includes Steering Committee updates and roundtable discussions on contract negotiations (excluding rates and percentages), grievances, arbitrations, and other current topics. Tara Maynard, records coordinator at Grays Harbor PUD, will speak about HR records retention best practices.

JULY 17, 2015 — VANCOUVER, WASH.

NEW! VIOLENCE PREVENTION SKILLS: STAYING SAFE AND SECURE AT WORK

Who Should Attend: Anyone who potentially may need to deal with violence on the job, whether with customers or co-workers.

Overview: Every utility can be hurt by workplace violence and angry customers. This two-day class will help you identify potential violence before it occurs and arm you with skills to deal with conflict, uncomfortable situations, and personal safety. After the second day, you will have a clear understanding of how to reduce and prevent violent situations. Bring your questions, concerns, and fears as they will all be addressed. It's a serious topic but be prepared to laugh, be interactive, and have fun! Real-life scenarios and case studies are woven into this fast-paced, interactive, two-day course.

JULY 28-29, 2015 — SPOKANE, WASH.

FRONT LINE LEADERSHIP #1: SITUATIONAL LEADERSHIP

Who Should Attend: Front line supervisors and managers, and those front line employees who will be transitioning to a supervisor or manager role in the near future.

Overview: This is the first in a series of four sessions leading to a Credential in Front Line Leadership from NWPPA; it is also the prerequisite for *Front Line Leadership Session #3: Personalities & Attitudes in the Workplace*. Participants will be introduced to situational leadership as taught by the Ken Blanchard Companies and will evaluate their own leadership styles through a self-evaluation. They will learn a common vocabulary for leadership and understand the differences between successful and effective leadership.

JULY 28-29, 2015 — SALT LAKE CITY, UTAH

ELECTRIC UTILITY SYSTEM OPERATIONS

Who Should Attend: Any industry (utility or vendor) employee whose job performance will benefit from a basic understanding of the operations side of the utility business, including engineering; operations; safety; purchasing; information technology; regulatory and rates; customer service; public relations; legal; and accounting employees.

Overview: This popular two-day course presents a clear understanding of the technical heartbeat of the utility by providing employees with a comprehensive understanding of electric utility system operations, including generation (fossil fuel, hydro, and nuclear generation), transmission, and distribution (down to 120v/240v residential connections). You will learn how all key pieces of equipment in the system are built, how the equipment operates, and how the equipment functions in the overall operations of a utility system. The course assumes no electrical background and builds on the basics to provide a comprehensive understanding of the equipment and operation of the electric utility system.

JULY 29-30, 2015 — SALT LAKE CITY, UTAH NWPPA

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Congratulations NWPPA on 75 years of service!

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by Anita J. Decker



Thank you to everyone who has been associated with NWPPA over the past 75 years; to some degree, whether it was large or small, everyone has made a difference to NWPPA, to their utility, to their community, and to public power.

Proud of our first 75 years together; excited for the next 75

Seventy-five years in anyone's lifetime, let alone an association, is something to be proud of. 75 years says that you've made it through thick and thin, you have the support of others cheering you on, and you are doing something of value for those you serve. Said another way: your membership believes you are better together. For 75 years, you have shown that we are better together.

This time last year I had just finished my first 75 days. Now here we are, just over a year later, and even in that short period of time (short compared to 75 years!) a lot has changed. But a lot has also stayed the same. For example, NWPPA's core competency of delivering services that you — our members — want, need, and value has stayed the same. NWPPA's longstanding and abiding commitment to our public power members and the associate members who provide important services to public power and the electric utility industry has stayed the same. We are even pretty sure that we still have every one of our founding members (though the records are a bit blurry) — an achievement all in itself!

What has changed over the past year is the quickening of the pace of issues coming at our members, and our adeptness in responding to those needs. To keep our members up to date on current issues, we have ramped up our training and development offerings; increased our consulting with members about strategies and resources; opened up social media channels; taken on topical education for general managers and governing boards; and upped the game in our legislative and regulatory efforts.

For example, let's look at just the last 20 years. In 1995, we delivered 75 events; this year, based on the demand, we have 270 events scheduled. That is an increase of over 360 percent! In recent years, the increase has been steady — from 2011 to 2015, the increase in events offered was 22 percent.

In the regulatory and legislative arenas, we have continued to grow our impact as well. We have stepped up our relationships with both the Western Electricity Coordinating Council (WECC), to support their change in approach to audits, and the North American Electric Reliability Corporation (NERC), where we now have a seat in the NERC Trade and Forums meetings. Why have we done this? Because having a seat at the table helps us help you.

Last but not least are the extra efforts made by the Association during a significant time of change through legislative activities such as the mid-year talking points for legislators that were provided to you during the legislative break and the recent opportunity NWPPA had to host an energy policy "listening session" with staff from the offices of Chairman Murkowski and Senator Cantwell.

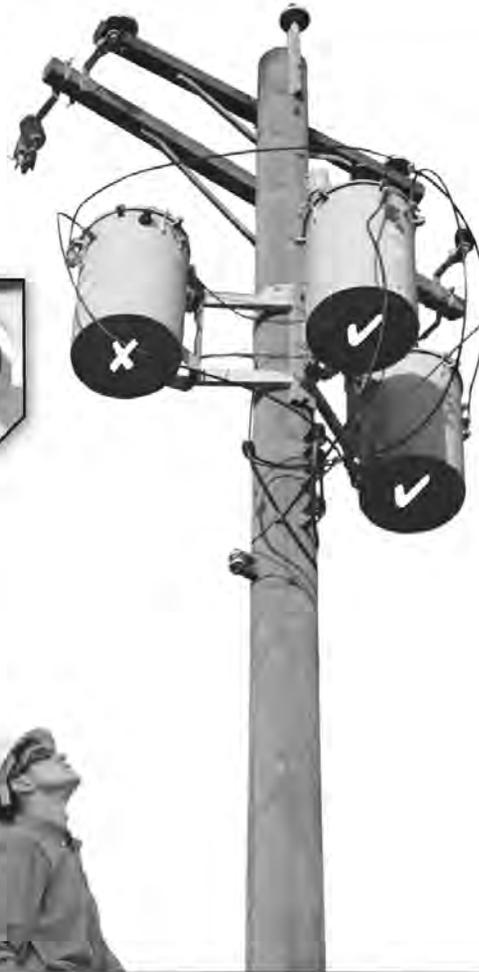
NWPPA: the same, yet changing. The Association, its board, and its staff have learned a lot over the course of the last 75 years: we've learned that you gain the experience of life lessons (from both the good and the bad); you treasure the fond memories that make you smile when you look back at them; and you recognize all of the people who have influenced your life and your work. The things you hold on to are those that made the biggest difference. Thank you to everyone who has been associated with NWPPA over the past 75 years; to some degree, whether it was large or small, everyone has made a difference to NWPPA, to their utility, to their community, and to public power. I can only hope that you have your own memorable NWPPA moments and that we can continue to make a difference for you and together with you over the next 75 years! **NWPPA**



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Box Canyon turbine upgrade completed



Pend Oreille PUD (Newport, Wash.) announced that testing and commissioning of the fourth and final turbine/generator unit to be upgraded at Box Canyon Dam was completed in February; the unit is now online and generating power. Test results for all four units confirmed increased energy production and efficiency levels that exceed engineering expectations. With the upgrades complete, Box Canyon's nameplate generation capacity increased from 72 to 90 megawatts. The new turbines have four runner blades instead of the original five-bladed turbines, providing a more fish-friendly feature.

The first of the turbines, which are all more than 50 years old, was lifted out of the Box Canyon powerhouse in August 2009. Completion of the first unit, which was originally scheduled for July 2010, was completed in February 2011. Initial project delays were due to the deteriorated condition of the unit, which could only be discovered during the disassembly. This ultimately resulted in additional work and time. The following three units, which also experienced various delays, were completed in August 2012, December 2013, and February 2015.

"The dedication and hard work of the entire Box Canyon staff was a major contributing factor in the success of this seven-year project," said Power Production Manager **Mark Cleveland**. "They worked many extra hours observing, assisting, and managing the project to insure its successful completion."

Total project costs will not be final until contract close-out is complete. However, current financial information indicates the entire project, including sales tax, engineering, and auxiliary work, to be approximately \$3,000,000 below budget estimates. **NWPPA**

Mark Johnson to chair PPC panel

Congratulations to **Mark Johnson**, general manager of Flathead Electric Cooperative (Kalispell, Mont.), on being named chairman of the Public Power Council's executive committee.

The Public Power Council, established in 1966, is an association that represents more than 100 consumer-owned electric utilities in the Pacific Northwest. PPC's mission is to preserve and protect the benefits of the Federal Columbia River Power System for consumer-owned utilities, and is a key forum to identify, discuss and build consensus around energy and utility issues. **NWPPA**

Montana co-ops announce election results

Lincoln Electric Cooperative members met on March 28 for the cooperative's 66th Annual Meeting at Lincoln County High School in Eureka. In elections, incumbents **Courtney Pluid**, **Ethel White**, and **Joel Graves** all ran unopposed and were re-elected.

During the 78th Annual Meeting of Sun River Electric Cooperative on March 27 in Fairfield, incumbents **John Burgmaier**, **Roberta Rohrer**, and **H.R. "Randy" Parker** all ran unopposed and were re-elected.

Yellowstone Valley Electric Cooperative members held their annual meeting in Billings on March 24. In trustee elections, **Scott Hofferber** was elected to replace **Ron Ohlin**. **Dave Kelsey** was re-elected unopposed. **NWPPA**

Ian Cope appointed to city council

Grays Harbor PUD (Aberdeen, Wash.) Community and Government Relations Director **Ian Cope** was appointed as the newest Montesano City Council Member on March 24.

Cope said during his interview with the council that he thinks communication with the public is one of the biggest challenges for the city and that more needs to be done to inform the public about issues that affect them.

There were three other applicants that interviewed for the position that was vacated when **Marisa Salzer** resigned from the seat.

Cope has lived in Montesano since 1999. **NWPPA**



Ian Cope being sworn in to the Montesano City Council.

PNGC Power acquires Coffin Butte Project

On March 31, 2015, PNGC Power purchased the Coffin Butte Landfill Gas Generation Project, located in Corvallis, Ore. The seller is Power Resources Cooperative. The project generates clean, renewable power from landfill gas, which is a natural by-product of the

organic matter in the neighboring regional landfill, owned by Valley Landfills, Inc. The Coffin Butte Project has a capacity of 5.66 megawatts, which is roughly enough to power about 4,000 homes.

“Acquiring this project is an important step forward for PNGC Power and our members,” said **Dave Hagen**, PNGC Power Board chair and general manager of Clearwater Power Company (Lewiston, Idaho). “Coffin Butte is a great resource that will produce renewable power for many years to come.”

The Coffin Butte Project began commercial operation in 1995, and allowed several electric cooperatives to support renewable resources in the Northwest. PNGC Power provided operational and management expertise up until the end of March; now, this resource is under PNGC ownership and belongs to its electric cooperative owner-members. This purchase continues PNGC Power’s commitment to resource ownership and renewable resources as the cooperative continues to plan for the future.

PNGC Power, based in Portland, Ore., is an electric generation and transmission (G&T) cooperative owned by 14 Northwest electric distribution cooperative utilities with service territories in seven western states. In addition to serving the wholesale power and transmission needs of our member utilities, PNGC represents the interests of its members in various policy and legal forums. **NWPPA**

BPA’s Jensen named general counsel

After working in the Bonneville Power Administration (BPA) General Counsel’s office since 2002, **Mary Jensen** has now been named BPA’s general counsel. Jensen takes over after managing the office for a year as acting general counsel.

“Mary stepped in and helped BPA work through a number of complex legal matters while acting as general counsel for the past year,” said BPA Administrator **Elliot Mainzer**. “She is the first BPA general counsel who reports directly to the administrator. I look forward to continuing to work with her to further enhance BPA’s legal risk management and compliance.”

While serving as acting general counsel, Jensen guided BPA’s Office of General Counsel through a major reorganization, instituted a new office policy on legal advice, and collaborated with the Department of Energy general counsel in creating national guidelines for power marketing administrations in states where marijuana sales are lawful under state statutes. She also instituted new processes that enable faster response times to requests made under the Freedom of Information Act.

Jensen has specialized in legal issues involving the provision of transmission service at Bonneville and was



promoted to manage that legal section in 2008. Before joining BPA in 2002, she worked at the U.S. Office of the Solicitor in Phoenix, Ariz., advising the Bureau of Indian Affairs regarding operations of its federally owned electric utilities that provide service in Arizona. **NWPPA**

Ross Branch joins PCWA

Placer County Water Agency (Auburn, Calif.) has appointed **Ross Branch** as public affairs manager. In the newly created position, Branch will serve as an advocate on legislative and regulatory issues affecting the agency. He will also serve as PCWA’s primary media contact and public outreach representative.

“As we enter our fourth year of drought, Ross will play a critical role in preparing our water conservation communication plan,” PCWA General Manager **Einar Maisch** said. “His extensive governmental affairs experience will help ensure that PCWA customers continue to be well represented on regional and state-wide issues.”

Branch comes to PCWA after serving as a public information officer and policy analyst for El Dorado County. His experience also includes over four years as a field representative for Congressman **Tom McClintock**, where he served nine California foothill counties on various legislative issues; a stint with the U.S. Department of Justice, serving as a legal assistant in the Environment and Natural Resources Division; and serving as a clerk for the U.S. House of Representatives Subcommittee on Energy and Mineral Resources.

Branch is a California native and has lived in the region since 2008. He received his B.A. in American studies from the University of Maryland, College Park with a focus in political science and U.S. history. **NWPPA**

Local community solar comes to Kennewick

Benton PUD (Kennewick, Wash.) broke ground in April on the first local community solar project and will sell units to its customers who want a low-hassle, affordable way to take advantage of the benefits of solar power.

The cost per unit is \$250 with a maximum of 40 units per customer. In return, participants receive a proportionate credit on their electricity bill for solar power produced by the project as well as the state energy production credits.

With the state production incentive of \$1.08 per kilowatt-hour through June 2020 and the energy generation credit, participants can expect a payback in three to four years.



Continued on page 14

“Utilities are finding that a growing number of their customers are interested in investing in solar for the environmental attributes and the financial incentives currently being offered,” said Benton PUD Commissioner **Lori Sanders**. “Our community solar project will provide Benton PUD customers another solar option for those who may not own property or have appropriate location for solar installation.”

The cost of the project, approximately \$375,000, is funded by customer participation. The project design will have approximately 272 solar panels manufactured in Washington state and mounted in an array. The total power generation capacity of the project will be 75 kilowatts, enough annual energy production to power about six average homes.

The project will be built at Benton PUD facilities in Kennewick and is projected to go live with production in June 2015. **NWPPA**

Doug Pfaff completes MIP

Clearwater Power (Lewiston, Idaho) Manager of Engineering **Doug Pfaff** recently completed an intensive program in electric utility management with the University of Wisconsin-Madison.

The program trains and challenges them in innovative management techniques for all major aspects of utility management. Participants gain a greater understanding of what consumers want and how to ensure continuous member focus throughout the company. The Robert I. Kabat Management Internship Program (MIP) is a series of workshops which train in all facets of the electric industry. Is it offered by the National Rural Electric Cooperative Association in conjunction with the University of Wisconsin-Madison.

“It’s important that the cooperative maintains a management team of highly trained people,” said Clearwater Power General Manager **Dave Hagen**. “Providing our membership with the best possible service begins by having a staff who is equipped with the necessary skills to handle the challenges of the electric industry.”

Clearwater Power’s past graduates of the program include Hagen, Manager of Operations **Stan Vannoy**, and Manager of Member Services **Bob Pierce**. **NWPPA**



(L-R) Clearwater Power Manager of Engineering Doug Pfaff and NRECA Director of Executive and Staff Education Gary Pfann.

SnoPUD names Spangler as acting GM

Snohomish County PUD (Everett, Wash.) has named **Anne Spangler** as its interim general manager, effective May 1, 2015. The PUD is currently conducting a national search for a replacement for **Steve Klein**, who is retiring after serving for nine years as general manager. Spangler has held the position of the PUD general counsel since 2008.



Spangler has more than 22 years of experience as an attorney. Prior to working for the PUD, she was chief counsel for Tacoma Public Utilities. She has extensive experience managing a broad range of legal issues, including land use, construction, real estate, transportation, and environmental matters. Her background also includes work for the City of Tacoma Public Works Department, the Seattle City Attorney’s Office, and the Washington State Attorney General.

Spangler holds a bachelor’s degree in anthropology from Reed College and a J.D. with honors from the University of California, Hastings College of the Law. **NWPPA**

AVEC announces Top 10 Power Plant Operators

Alaska Village Electric Cooperative (AVEC) announced the Top 10 Power Plant Operators of 2014 during its recent annual meeting in Anchorage. The following plant operators received recognition for their outstanding achievements: **Evan Newman** of Holy Cross, **Megan Esmailka** of Kaltag, **Abner Hawley** of Kivalina, **Mickey Ashby** of Noatak, **Tuck Cleveland** of Noorvik, **Erick Mountain** of Nulato, **Stuart Kingeekuk** of Savoonga, **Daniel Tunutmoak Jr.** of Scammon Bay, **Paul Bokoalok** of Shaktoolik, and **Peter Lincoln** of Toksook Bay. **Moses Paukan** of St. Mary’s was also recognized for his upcoming retirement from working as a power plant operator for 41 years.

AVEC has more than 100 plant operators that are hired by the cities to handle the day-to-day operation of the power generation plants and make sure the lights stay on in their communities. The Top 10 Operators of the Year are selected based on some of the following criteria: responsiveness to requests for assistance from consumers and AVEC personnel; performing duties satisfactorily, including routine maintenance; running the most efficient generator to maximize fuel efficiency; keeping the daytank full of fuel; total hours of unscheduled power outages; keeping the plant clean and an inventory of normal routine maintenance materials on hand; and turning in completed paperwork.

NWPPA

WPUA elects officers for 2015–2016

Commissioners from four public utility districts assumed top leadership positions for 2015-2016 as the Washington Public Utility Districts Association (WPUA) announced the election of its new officers last month. Chelan County PUD Commissioner **Dennis Bolz** was tapped to serve as president; Wahkiakum County PUD Commissioner **Dennis Reid** was elected vice president after serving a year as secretary; Douglas County PUD Commissioner **Ron Skagen** was elected secretary; and Lewis County PUD Commissioner **Ben Kostick** will serve a



Dennis Bolz receiving his President's pin from Past President Diana Thompson of Pacific County PUD.

second term as treasurer. Pacific County PUD Commissioner **Diana Thompson** completed her year of service as president and will now fill the role of past president on the Executive Committee.

The new officers assume an important leadership role in achieving the association's mission to "support, protect, and enhance members' ability to conserve power and water resources of the state and to provide not-for-profit, locally controlled utility services."

Bolz is a three-term commissioner for Chelan County Public Utility District. First elected in 2006, he has served as commission president and currently is the board secretary. Bolz was elected to the PUD board after a 31-year career in the Washington public school system, followed by five years as an educational consultant.

The newly elected officers collectively have about 30 years of PUD leadership experience: Reid has served on the Wahkiakum County PUD Board since 2011, Skagen has served on the Douglas County PUD Board since 2007, and Kostick has served on the Lewis County PUD Board since 2007. **NWPPA**

An advertisement for Golight Inc. On the left, a white silhouette of a lineman in a hard hat and safety vest is shown in a dynamic pose, carrying a large banner that reads "LINEMAN KEEPING OUR LIGHTS ON". In the center, the Golight logo consists of a stylized 'G' inside a circle above the word "GOLIGHT" in a bold, sans-serif font. On the right, three different models of rectangular LED work lights are displayed against a dark background. One is white with a black mounting bracket, and two are black.

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Novinium acquires UtilX

On April 14, Novinium, owner of patented processes for rejuvenating aged underground power cables, announced its acquisition of UtilX from Willbros Group, Inc. As a result of this acquisition, Novinium now has over 100 customers and over 300 employees across all 50 states, Canada, and Europe. Together, Novinium and UtilX now provide about 30 percent of the North American cable rehabilitation and 10 percent globally.

“This acquisition will improve industry competition by providing a strong alternative to the capital intensive process of replacing underground utility power cables in order to maintain the world’s aging electrical distribution infrastructure,” said Novinium CEO **Glen Bertini**. “Failing cable is a top contributor to both rising utility costs and customer power outages, and together UtilX and Novinium can offer the safest, most cost-effective solutions for cable rehabilitation, extending the effective cable lifespan by as much as 40 years.”

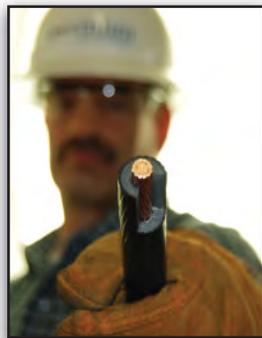
The combining of Novinium and UtilX provides the utility industry with better operating efficiency, including universal best practices and improved safety; new economies of scale for purchasing and manufacturing; stronger, focused research and development for more rapid advancement; broader adoption of the latest, most cost-effective rejuvenation technology; deeper, more valuable add-on products for increased reliability and longevity; and capital efficiency and more consistent power delivery, enhancing service to electrical consumers at the lowest overall cost.

Founded in 2003 by the experts who invented cable rejuvenation at Dow Corning in the 1980s, Novinium’s patented injection process rejuvenates and extends the reliable life of cable up to 40 years. Further information is available at www.novinium.com. **NWPPA**

Landis+Gyr releases Gridstream MDMS 3.5

A leader in energy management solutions, Landis+Gyr has released version 3.5 of Gridstream® Meter Data Management System (MDMS), which includes new data storage architecture, improved performance of on-demand commands, and an enhanced user interface.

A leading meter data management platform, Gridstream MDMS validates the accuracy and integrity of data and automates the movement of that data between utility systems and advanced metering head-end systems. In version



3.5, the Data Synchronization Engine architecture was changed to allow easier integration of master data. This improves the process for registering changes in meter status, such as new meter or service connections.

Other key features include expedited handling of on-demand commands to the AMI network, performance improvements for the SmartData for Outage Management extension to boost scalability of the application, and multi-language support to enhance global usability of the product.

“Continued improvements to how Gridstream MDMS processes meter data and commands are complemented in this version by user interface enhancements that make the product easier to use and more valuable to our customers,” said **Dave Connaker**, president of Landis+Gyr’s Gridstream MDMS Solutions. “And as Gridstream MDMS gains more prominence in global markets, we’ve extended features such as multi-language support for expanded global usability.”

Landis+Gyr is the leading global provider of integrated energy management products tailored to energy company needs and unique in its ability to deliver true end-to-end advanced metering solutions. More information is available at www.landisgyr.com. **NWPPA**

ABB introduces collaborative dual-arm robot

On April 13, ABB, the leading power and automation technology group, introduced YuMi®, the world’s first truly collaborative dual-arm industrial robot.

YuMi’s introduction is another step in ABB’s Next Level strategy aimed at accelerating sustainable value creation. The strategy is building on ABB’s three focus areas of profitable growth, relentless execution, and business-led collaboration. The company is driving profitable growth by shifting its center of gravity toward high-growth end markets, enhancing competitiveness, and lowering risk in business models.

“The new era of robotic coworkers is here and an integral part of our Next Level strategy,” said ABB CEO **Ulrich Spiesshofer**. “YuMi makes collaboration between humans and robots a reality. It is the result of years of research and development, and will change the way humans and robots interact. YuMi is an element of our Internet of Things, Services, and People strategy creating an automated future together.”



In 1974, ABB introduced the world's first microprocessor controlled, all-electric industrial robot and kick-started the modern robotics revolution. ABB now has an installed base of more than 250,000 robots worldwide. With the introduction of YuMi, ABB is once again pushing the boundaries of robotic automation by fundamentally expanding the types of industrial processes which can be automated with robots.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. **NWPPA**

T&B® introduces Helix™ Fittings

The new T&B® Cable Tray Helix™ Fittings from Thomas & Betts ease transitions between horizontal and vertical cable tray runs, especially in confined areas and near walls.

“Helix™ Fittings were developed specifically for use in confined areas,” said **Chad Smith**, global product group manager, wire management and connectivity, at T&B. “They allow installers to transition from horizontal to vertical cable tray in less time, while using significantly less space. Installers can now secure and organize cable runs without needing to position the cable tray assembly to make room for transitional fittings.”

T&B® Cable Tray Helix™ Fittings are available in left or right configurations in aluminum, pre-galvanized steel, and stainless steel in 12-inch and 24-inch widths, with 6-inch side rails. They can be ordered and shipped pre-assembled and ready to install, saving substantial time by not having to configure fittings on site.

Building information modeling (BIM) is available upon request.

Thomas & Betts Corporation, a member of the ABB Group, is a global leader in the design, manufacture, and marketing of essential components used to manage the connection, distribution, transmission, and reliability of electrical power in utility, industrial, commercial, and residential applications. For more information, please visit www.tnb.com.

NWPPA



RUS acting administrator joins NISC staff

On April 20, **Jasper Schneider**, most recently acting administrator of the United States Department of Agriculture's (USDA) Rural Utility Service (RUS), joined NISC as the organization's vice president of Member Engagement.

Schneider, who brings to the position professional experience in technology, law, and rural issues, is a North Dakota native. He holds undergraduate degrees from the University of Jamestown (N.D.), and a law degree from the Hamline University School of Law (St. Paul, Minn.). Before attending law school, he worked as a business analyst for Cisco Systems. He has served in the North Dakota Legislature and was in private law practice before becoming USDA's North Dakota Rural Development state director in 2009. Schneider was appointed acting administrator of the USDA Rural Utility Service in the fall of 2014.

“Throughout the nation, companies are competing to attract the best and brightest technology talent to meet the surging demand for technology systems and software,” said **Vern Dosch**, NISC president and CEO. “It's with that perspective that NISC is especially pleased that Jasper will be joining the organization. It's rare to find an individual who has a deep understanding of technology and experience providing support to the nation's electric cooperatives and independent telephone systems. He is an ideal fit to help advance NISC's culture of service.”

Schneider will lead NISC's new Member Engagement Division.

National Information Solutions Cooperative (NISC) is an information technology organization that develops, implements, and supports software and hardware solutions for their members/customers. Additional information can be found at www.nisc.coop. **NWPPA**



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by Tom Porter and Deborah Sliz

A review of 75 years of public power legislation and history



As the Northwest Public Power Association celebrates its 75 years of service, we take this opportunity to look back on some milestones in federal policy affecting the Bonneville Power Administration (BPA) and NWPPA's consumer-owned utility members.

The history of BPA and NWPPA is woven closely together, and many of the early battles over who should receive the value of federal hydropower, and at what cost, have been repeated numerous times over the decades.

From the beginning, the Northwest congressional delegation has played a pivotal role in federal policy debates over the direction and mission of BPA, underscoring the importance of NWPPA's active, ongoing government relations efforts. A relatively short, but far from comprehensive, summary of key legislative events reveals that many of the battles that NWPPA and others are waging today are repeats of battles waged in prior decades.

The seminal event in Northwest electric history occurred in 1937 when President Franklin D. Roosevelt signed into law the Bonneville Project Act. The act authorized construction of the Bonneville and Grand Coulee dams to "operate for the benefit of the general public" and marketing the electricity from the dams giving "preference and priority to public bodies and cooperatives."

Roosevelt named J.D. Ross as BPA's first superintendent in 1937. A political appointee, Ross had previously been superintendent of Seattle City Light and a strong public power advocate.

Shortly thereafter, in 1940, NWPPA was created. The Association's initial concerns were being disadvantaged from wartime material shortages and about how much power a federal agency would have to make decisions about the use of regional resources.

In 1947, NWPPA's board of directors hired its first executive director, Gus Norwood, a Navy veteran of World War II. He would focus on public power's low rates by offering membership to the "One Cent Club" to utilities whose residential rates were one cent or less per kilowatt-hour. He also emphasized operating performance, consumer service, and educational programs.

BPA's role in national security expanded dramatically after the U.S. entered World War II, with Federal War Production Chief Donald Nelson enlisting BPA to power shipyards, production of aluminum for war planes, and a "mystery load" to produce plutonium for the Manhattan Project in Hanford.

"As one of the nation's greatest sources of power for war industries producing machines, equipment, and supplies for the Armed Forces, [BPA] is vital to the successful prosecution of the war," Nelson said.

After the war, Congress authorized construction of the McNary Dam in Oregon and Hungry Horse Dam in Montana. Following a visit to see damage from the deadly 1948 Columbia River flood, President Harry S. Truman expedited plans to tame and develop the river, including authorizing 11 new federal dams.

This expansion of BPA's mission propelled both the U.S. war effort and the economic development of the region.

Although today the aluminum industry buys only about 300 megawatts of BPA's power, there have been a number of battles between preference customers and the aluminum smelters over the years involving price and priority.

After varying efforts to pass federal legislation, and battles between public and private power to integrate Northwest power facilities for federal purposes, in 1942 the federal War Production Board (established by executive order) directed utilities in "Order L-94" to cooperate to increase capacity. A result was formation of the Northwest Power Pool (NWPP), interconnecting 10 major regional private utilities with BPA and the federal grid.

The NWPP has grown to be a consortium of 34 public and private utilities and BPA, and today is the driving force and funder of studies of a range of tools, including an Energy Imbalance Market/Security Constrained Energy Dispatch (EIM/SCED). After significant debate, NWPPA participants agreed that the 2015 phase (Phase 4) of the investigations will focus on tools that can provide immediate, tangible results to improve grid operations, leaving further discussion of an EIM/SCED to a later date, if ever.

Within days of being appointed by President John F. Kennedy in 1961, BPA Administrator Charles Luce focused on implementing the Columbia River Treaty (CRT) with Canada, ultimately finalized in 1964 by President Lyndon Johnson and Canadian Prime Minister Pearson. The Treaty included the construction of dams in Canada, and the delivery of power from the U.S. to Canada resulting from the improved stream flow produced by the Canadian dams. This landmark agreement was significant for hydropower development in the region, although the "Canadian Entitlement" has come to be controversial as the treaty became eligible for renegotiation or termination.

Today, the CRT Power Group — a coalition of more than 80 electric utilities, associations, and others that depend on Columbia River hydropower — supports renegotiating the treaty to correct what it sees as the inequity of the U.S. obligation under the Canadian Entitlement, and to provide a significant net benefit to the U.S. Northwest region's consumers. An April 14, 2015, letter to President Obama was sent by the entire delegation from Washington, Oregon, Idaho, and Montana concerned about the slow pace of review of the Treaty, and urging the Administration to act this year to begin negotiations with Canada.

Another major milestone was the 1974 passage of the Federal Columbia River Transmission System Act, which allowed BPA — for the first time — to use its revenue from power sales for operation and maintenance of its transmission system, including construction of new lines. The Act authorized up to \$1.25 billion in revenue bonds for expanding and upgrading the transmission system. The need for the self-financing mechanism was the result of BPA's difficulty in carrying out long-range planning in the face of annual federal appropriations.

BPA's current borrowing authority cap is \$7.7 billion; the Northwest congressional delegation led the effort to increase the agency's borrowing authority at least five times since 1974. This is no small feat, despite the fact that the funds are repaid entirely by BPA customers — the borrowing authority "scores" in the federal budget, and thus is viewed as federal spending.

In 1980, after years of fighting that split the Northwest congressional delegation, Congress revised, expanded, and revamped BPA's mission in the Pacific Northwest Electric Power Planning and Conservation Act, which was signed into law by President Jimmy Carter in 1981. The legislation began, primarily, to deal with power planning and supply issues, but evolved to provide a planning process for fish and wildlife

protection, mitigation, and enhancement, and controversial rate relief for customers of regional investor-owned utilities.

The Act also created the Northwest Power and Conservation Planning Council (Council), which has a major role in assuring adequate, efficient, economic, and reliable power supply in the Northwest. The Council is now engaged in its seventh power supply study, directed by Congress to occur every five years.

As also directed by Congress, every five years the Council develops a fish and wildlife planning process, and monitors its implementation by BPA and a cadre of other federal agencies, including the Corps of Engineers, the Bureau of Reclamation, and the Federal Energy Regulatory Commission and its licensees.

The first of many efforts to "privatize" the PMAs occurred in 1983, when a Reagan Administration commission recommended selling the Columbia River dams to allow the federal government to disengage "from the commercial enterprise of electric power marketing." The effort followed BPA's failure to meet its planned payments to the Treasury from 1974 through 1982. That failure encouraged claims that BPA and the other PMAs were subsidized by the federal government, claims that are resurrected on a regular basis by members of Congress from non-PMA areas.

With almost predictable regularity thereafter, Democratic and Republican administrations alike would propose privatization of the PMAs to raise revenue to deal with federal budget problems. Each time, regional organizations like NWPPA would join preference customers in other regions, the American Public Power Association, and the National Rural Electric Cooperative Association to defeat these plans.

A serious challenge to cost-based rates for power sold from PMAs arose in 1985 when Office of Management and Budget Director David Stockman proposed that interest rates

Continued on page 20

Well connected?

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WASHINGTON, D.C., REPORT

on PMA debt mirror market rates, a change that would have forced a rate increase as high as 80 percent.

Again, the influence of the Northwest congressional delegation was pivotal. Then-APPA Executive Director Larry Hobart said, “When the measure came before the Senate Appropriations Committee, Sen. Hatfield [Mark Hatfield (R-Ore.)] let it be known that the measure would pass over his dead body.” By 1986, the proposal was dead.

The 1992 passage of the National Energy Policy Act, aimed at encouraging competition in the energy market with the goal of reducing prices, began a significant restructuring of the energy industry that is still unfolding today. To implement the Act, in 1996 FERC required utilities that sold electricity and owned transmission to separate those purposes and make transmission available on an open-access basis. Non-jurisdictional utilities like BPA were required to provide “reciprocal” service over their transmission lines in order to be able to access the transmission lines of private, jurisdictional utilities. The reciprocity requirement would subject BPA’s grid to new operational and financial challenges in the decades after the 1992 Act.

The 2000-2001 western energy crisis, triggered by transactions in the deregulated California energy markets, sent

energy prices soaring throughout the western interconnection, and contributed substantially to several tough financial years for BPA.

In the wake of years-long litigation over the salmon population in the Columbia River, presided over by U.S. District Judge James Redden, the Columbia Basin Fish Accords were signed in 2008 by BPA, Army Corps of Engineers, Bureau of Reclamation, states, and Tribes. The commitment of funding was an unprecedented \$900 million over 10 years to improve fish and wildlife habitat, and has had a definite impact on rates for NWPPA members who purchase power from BPA.

Additional challenges came throughout the 2000s with the Bush Administration several times proposing for BPA to charge market-based rates. NWPPA members worked with its congressional delegation, which strongly opposed the measures, to defeat them. “We’ll bring to a screeching halt any piece of legislation that contains this proposal,” threatened Sen. Maria Cantwell (D-Wash.) in 2005.

Federal preference customers were again challenged in 2012 when Energy Secretary Steven Chu directed the power marketing administrations to broaden their mission to implement President Obama’s clean energy agenda. Again, the Northwest congressional delegation played a major role, sending the first of many strong letters from Congress to the

Administration, insisting that the “Chu memo” prescribed activities outside the scope of the PMAs’ legal authority to the economic detriment of electric consumers in their states, including NWPPA members. The proposal finally died when Secretary Ernest Moniz replaced Chu in 2013.

Challenges to the cost-based rates and preference marketing principles of BPA and the other PMAs will continue to arise, as various entities vie to receive the benefits of federal hydropower. NWPPA remains fortunate to benefit from an engaged congressional delegation, strongly interested in the independence and success of BPA and the vitality of public power in the region.

As NWPPA completes its 75th year, it is as important as ever that its members stay vigilant and work consistently with its members of Congress to protect the benefits of the federal hydropower program for its consumer owners.

NWPPA

Tom Porter and Deborah Sliz are with Morgan McGuire, NWPPA’s Washington, D.C., consulting firm. Porter can be contacted at either (202) 661-6180 or tporter@morganneguire.com; Sliz can be contacted at either (202) 661-6180 or dsliz@morganneguire.com. Primary resources for this article were history publications by BPA, including BPA & the Struggle for Power at Cost and The Power of the River.



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by Brenda Dunn

75 years of NWPPA in 75 facts

For our 75th anniversary, we have been playing with the 75 theme quite a bit — \$75 congratulatory ads, 75 spots for said ads, \$7.50 gift cards for prizes ... so why not continue that theme with our special anniversary issue? After poring through old *Bulletins*, checking in with former employees, and picking the brains of long-time current employees, I was able to collect 75 facts — some quirky, some surprising, some straight from the history books — about our association. Enjoy!

The Association

1. On October 18, 1940, 17 public power leaders met in Olympia, Wash., and voted to form the Association and appoint a five-man committee to prepare the constitution.
2. Paul J. Raver (who has an NWPPA award named in his honor) was the Bonneville Power Administration (BPA) administrator when NWPPA was founded in 1940. BPA was only three years old at that time and Raver was the second administrator of BPA.
3. On January 31, 1941, a constitution was adopted and the first officers were elected, including Bert Lean from the City of Cheney, Wash., as the first president of the Association.
4. On November 1, 1947, the NWPPA membership chose Gus Norwood as the Association's first executive secretary. At that time, the membership consisted of 32 utility members; when he left NWPPA in 1967 to lead the newly founded Alaska Power Administration (APA), NWPPA had grown to 126 member systems.
5. NWPPA has only had six association executives: Norwood from 1947-1967; Henry Curtis, NWPPA GM, 1967-1977; Norm Jacox, executive director, 1977-1999; Craig McCollom, executive director, 1999-2001; Will



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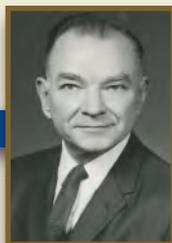
Lutgen, executive director, 2002-2014; and Anita Decker, executive director, 2014-present.

6. Founded in 1957, the Washington Public Power Supply System (WPPSS), a public power joint operating agency, joined NWPPA just one year later in 1958. Many know WPPSS by its current name, Energy Northwest, which is still an NWPPA associate member.
7. 1957 was a year of tripling for NWPPA: within 10 years, membership had tripled from 32 to 99 member utilities, the budget had tripled, and the number of staff had tripled — from one to three. At that point in time, NWPPA only offered three training/technical sessions: the Engineering & Operations Section (now the E&O Conference and Trade Show), the Accounting Section, and the Power Use Section (now the communication and energy efficiency conference known as the NIC).
8. NWPPA did not always have a second vice president position on its board of trustees; that position was not added until the late 60s.
9. On January 13, 1960, Tohru Ishimitsu, an official representative of the Prime Minister of Japan, visited the NWPPA office.
10. The 23rd Annual Meeting in Seattle in April 1963 featured an unannounced appearance by Judge Homer T. Bone, retired U.S. Circuit Court of Appeals judge. In a 20-minute speech at the luncheon, 80-year-old Judge

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Bone talked about the private utilities accusing him in 1909 of being “un-American” because of his “temerity” in helping Tacoma City Light build its own hydroelectric projects on the Nisqually River. In March 2015, the NWPPA Board of Trustees voted to establish an award in honor of Bone.

11. President Lyndon B. Johnson addressed over 1,000 guests at the Grand Ballroom of the Sheraton Motor Inn in Portland, Ore., on September 17, 1964. President Johnson spoke about power and conservation at the Intertie Victory Breakfast, which was co-hosted by NWPPA. Thomas E. Black, president of the NWPPA Board, opened the program.
12. The NWPPA office has moved a total of four times within Vancouver, Wash. The current two-story, 9,200-square-foot building sits on nearly 3.5 acres and has been home for 30 years. NWPPA owns the building and property, but rents out the first floor to local businesses. Our friends at the NW Line JATC have rented an office downstairs for over six years.
13. Half way through 1971, NWPPA passed the 100 associate members mark. Today, NWPPA has over 300 associate members from all across the U.S. and Canada. Associate members play an important part in the planning, generation, and distribution of electric energy. Their participation at the various conferences of the Association on programs, serving on committees, sponsoring exhibits, and hosting special events for delegates assists greatly in the success of these area-wide gatherings.
14. In 1972, Howard Backen, who earned NWPPA's Distinguished Service Award in 1966, retired from Douglas Electric Cooperative in Roseburg, Ore. The Backen Memorial Golf Tournament was founded in his honor in 1979 and NWPPA has been a proud supporter of this event since the very beginning.
15. For 13 years, NWPPA has teamed up with NCPA for the Annual Federal Policy Conference in Washington, D.C. On average, approximately 15 NWPPA members, accompanied by staff, call on some 30 or more legislative offices during just two or three fast-paced days.
16. In 2000, NWPPA went high-tech and began accepting credit card payments over the phone. Since then we of course now take credit card payments securely on our website, too. And just last month at the E&O Conference in Tacoma, NWPPA successfully took credit card payments on site with the Square app for more efficient

service for our members and attendees.

17. The NWPPA office sits across from a 33-acre county park called Orchards Park where staff members often spend lunch time walking the paths at the park.
18. In 2000, NWPPA undertook the NUTS (National Utility Training Services) project in Richland, Wash. The project and facility aimed to provide utility training that is safe, results oriented, and competitively priced. However, logistically the facility did not pan out and NWPPA sold the property and facility several years later.
19. NWPPA had a brush with international fame in 2001 when the 61st Annual Meeting was held in Portland at the Downtown Hilton Hotel — the same hotel that was hosting the Dalai Lama. Though the Dalai Lama did not attend any of NWPPA's sessions, he did attend a luncheon in a room adjacent to our registration area and there were several sightings of him and his entourage.
20. Several of NWPPA's employees travel extensively throughout the year. Today they are reimbursed the standard IRS mileage allowance of 57.5 cents per mile; in 1949, the mileage reimbursement was only 5-8 cents per mile.
21. The Government Relations Committee (GRC) was formed to track regional and national legislative issues of importance to its members. The GRC responds to issues by drafting resolutions in support of public power and advocating policy positions on behalf of the NWPPA membership. After several decades, the strength of the GRC continues to grow.
22. At the 2005 Annual Meeting in Palm Springs, Calif., honored guest and tennis pro Pete Sampras presented the Distinguished Service Award to Vern Kolen, who had recently retired from the Coos-Curry Electric Board of Directors after 48 years of service. Sampras was married to Kolen's daughter and surprised his father-in-law by coming to see him receive the award.
23. A subcommittee of the board of trustees, the NWPPA Ladies Committee scheduled and organized functions for the spouses of the attendees at the annual meetings in the 1940s and 50s.
24. Sharon Jacobsen from Missoula Electric Cooperative was NWPPA's first female board president (1989-1990); Anita Decker is NWPPA's first female executive director.
25. NWPPA employees put together a time capsule in May 1990, but the current staff didn't even know it existed

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— HVAC contractors found it in the building's attic a few years ago.

26. NWPPA has had good fortune to have had two separate retired general managers work for us as part-time membership managers, providing outreach to current members and networking for new ones. Dave Bouchard, retired general manager of Forest Grove Light & Power, worked at NWPPA from 2004 to 2007, and Cathy Wilson, retired general manager of Wasco Electric Cooperative, worked here from 2007 to 2012.
27. The results of a November 2008 retirement survey conducted by NWPPA predicted that a high number of skilled jobs within our membership were going to be retiring within the next six years, including 658 line worker and technician positions, and 206 engineering and power engineering positions.
28. The longest-serving NWPPA employee, Janet Bolzell, worked for NWPPA for 27 years. A smiling, ever-friendly fixture at our conferences and large events, Bolzell worked for NWPPA from 1985 to 2013 as the Association's meetings manager.
29. Over the decades, NWPPA has had some amazing athletes serve as conference keynote speakers, including Olympian Rulon Gardner, 10-time MLB All-Star Steve Garvey, and NFL Quarterback Tom Flick.
30. On July 1, 2014, Representative Doc Hastings (R-Wash.) accepted an Award of Appreciation from NWPPA staff and trustees. NWPPA chose Hastings because of his 20 years of service and unfailing support of public power in his state and the region.

Communication

31. On April 21, 1955, NWPPA adopted a motto that it published in the *Bulletin* and on other publications: "To provide the best possible electric service at the lowest possible cost consistent with sound business principles."
32. NWPPA produced its first YouTube video with the ALS Ice Bucket Challenge on September 3, 2014.
33. NWPPA began issuing its wage surveys in 1946 when linemen were earning about \$1.28 per hour. Today, NWPPA manages three wage and compensation surveys (general managers, directors, and line crew), but because of antitrust legislation, the surveys look much different.
34. Members received the first *Bulletin* in April 1947. At that time, it was a one-page, two-sided mimeographed publication with only three issues created during that first year. The first issues went to about 200 people;

today, the 32-page, full-color magazine goes to nearly 6,000 members.

35. The first *Northwest Electric Utility Directory* was printed in 1953 and was published in place of the April *Bulletin* for many years. The original 60-page publication has now grown to 140 pages and is mailed to some 6,000 members.
36. In 1947, NWPPA began presenting One Cent Power Achievement Awards; four utilities received them during that first year. The awards honored utilities that attained an average cost of electricity to its residential consumers of one cent or less per kilowatt-hour.
37. The Milton Hunt McGuire Award for engineering achievements was first awarded in 1947 to Hugh P. Currin of the Eugene Water & Electric Board at NWPPA's annual convention; in 1952, NWPPA presented it at its third annual engineering and operations meeting. Today, it is the top award presented at the annual Engineering & Operations Conference and Trade Show.
38. NWPPA Executive Secretary Gus Norwood penned the *Bulletin* by himself in the early years. However, he started calling for stories from managers, engineers, and accountants in 1951. Ever since then, NWPPA has looked to its members for the bulk of the text that is published in the magazine.
39. With the exception of when the Engineering & Operations Conference Program was included in the January or February issue, this is the longest issue of the *Bulletin* ever published.
40. The *Bulletin* magazine ran some crazy articles over the years, especially in its earlier days. For example, the November 1959 *Bulletin* included an odd two-sentence article titled, "Cows Enjoy Plastic Beds." The article about a British dairy farmer concluded with: "It is cleaner, safer, cheaper, durable, the cows develop cleaner habits and keep it clean, they rest more, and produce more milk."
41. The Distinguished Service Award was first presented to 12 members in 1961. The award was later renamed in honor of NWPPA's 1986-1987 president, William "Bill" McCrorie, upon his death.
42. The Paul J. Raver Community Service Award was first presented posthumously to its namesake in 1963.
43. The John M. George Public Service Award was first presented to its namesake in 1967.
44. *The Bulletin* has gone through three name changes: *Pacific Northwest Public Power Bulletin* to the

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Northwest Public Power Bulletin to the *Northwest Public Power Association Bulletin*, or *Bulletin* for short.

45. In 2000, NWPPA started holding photo contests; the winning photos would be displayed on the cover of the monthly *Bulletin* magazine. Today, NWPPA does its best to tie the cover photo to the cover story featured each month.
46. NWPPA's popular Excellence in Communication contest came to life in 1994 with nine original categories: best conservation information campaign; best employee information campaign; best special pamphlet or booklet; best employee newsletter; best employee event; best customer involvement program; best radio spot; best TV spot; and best print ad. Over 20 years later, the current eight categories have not changed all that much: annual report, newsletter, advertising campaign, special publication, website, social media, photography, and wild card.
47. NWPPA's first website went live in in the mid-90s. After several different platforms and redesigns, our current website now gets nearly 500,000 unique page views per year. Look for a new, sleeker website by the end of this year.
48. Of all of the pages on www.nwppa.org, members visit the Job Bank page the most. We receive about 550 posts per year; in 2014, the webpage received 176,743 views. However, it's not a new service offered by NWPPA; the first job listings appeared in the *Bulletin* in 1949!
49. The *eBulletin*, our weekly electronic newsletter, made its debut in January 2005. To date, we have published approximately 525 issues of the *eBulletin*.
50. In 2001, NWPPA began providing a bulk mailing service for its associate members. However, because of staffing and time limitations, we only offered this service for a few years.
51. In August 2014, NWPPA launched in to social media with Facebook and Twitter accounts. Less than nine months later, over 200 people/companies have liked our Facebook page and over 140 people/companies are following us on Twitter. Like us at www.facebook.com/NWPPAssoc and follow us at www.twitter.com/NWPPAssoc.
52. The first advertisements appeared in the January 15, 1948, *Bulletin*. At that time, utility members placed free ads, made up of only text, to sell equipment. Today the *Bulletin's* advertisements help offset the cost of printing the monthly 32-page magazine. The special 75th

anniversary eighth-page ads featured in this issue are the first of their kind for the magazine. To celebrate our 75th anniversary, we offered 75 spots for members to purchase; thank you to our amazing members for buying up every last spot.

Training and Events

53. On December 10, 1943, NWPPA held what is believed to be its first annual meeting, a one-day event. Attendance at that first annual meeting was 53 people.
54. In September 1953, NWPPA teamed up with then-named Oregon State College (now Oregon State University) to host its inaugural week-long meter school for utility personnel. Within its first three years, 214 students had graduated from the program.
55. In 1953, NWPPA provided one five-day training class; in 2014, we provided over 250 training classes!
56. In November 1970, NWPPA hosted its first-ever nuclear symposium. The symposium brought together utility insiders concerned with the nuclear energy potential as it was projected to meet the growing kilowatt demands of the 1970s. Featured speakers included S. David Freeman, director of the energy policy staff for President Nixon's Office of Science and Technology; and Daniel J. Evans, Washington's governor.
57. Around 2001, NWPPA bought Northwest Wage & Hour Information Services (NWWH), which provided labor relations information and related services for electric utility management personnel, from a private company in the labor management arena. Currently, more than a third of NWPPA utility members also participate in NWWH activities with a separate membership in NWWH.
58. In October 1971, NWPPA sponsored the first Engineering and Operations Underground School. Snohomish County PUD served as the host utility and 86 people attended the week-long event.
59. Fast work — and hard work — by the many public power utilities in the Northwest that were affected by ash fallout from the May 18, 1980, Mount St. Helens eruption resulted in quick recoveries and only brief outages at most utilities. However, the fallout from the May 18 eruption was cause for the only cancellation in the history of the NWPPA Engineering & Operations Conference which had been scheduled for May 27-30 in Missoula, Mont.
60. In 1984, BPA selected NWPPA to provide utility training for the Super Good Cents program.

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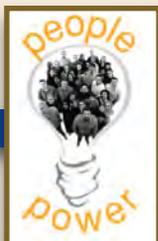
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COVER STORY

- 61.** At the request of NWPPA and the Public Power Council (PPC), People Power formed in January 2001 and is still active today. The program helps consumer-owned utilities recruit a grassroots network, and provides materials to educate consumers on the importance of preference and other energy issues. Originally started with a goal having 10,000 households participate in its network, People Power reached 30,000 households within its first year.
- 62.** In the late 1980s and early 1990s, NWPPA offered a three-part Management Internship Program, which later morphed into one of today's most popular offerings: the Certification in Front Line Leadership. This certification is made up of four mandatory classes and two optional ones, and classes often sell out. NWPPA graduated its first class of front line leaders in 2000. The Class of 2000 consisted of employees from Benton County PUD, Tillamook PUD, Valley Electric Association, Okanogan County PUD, Turlock Irrigation District, Lane Electric Cooperative, Fall River Rural Electric Cooperative, Clark Public Utilities, and Klickitat County PUD.
- 63.** At the end of 2000, Sue Fullerton of Oregon Trail Electric Cooperative became the Association's first-ever member to sign up for online training. NWPPA's first online training class, "Assessment of Prior Experiential Learning," offered instruction in the preparation of a portfolio designed to demonstrate the knowledge a student had acquired through other coursework.
- 64.** The Utility 3 Cs Workshop is an annual event intended for any utility employee, from front line to manager, working in the areas of credit, collections, or customer service. The event officially started in 2002 when customer service was added to the Credit & Collections Workshop.
- 65.** On August 8, 2005, President George W. Bush signed the Energy Policy Act of 2005 into law. Because the act greatly impacted our members, NWPPA, in conjunction with eight other regional associations, held a two-day forum titled "Policy Perspectives Forum: Energy Policy Act of 2005" in March 2006. The forum was a huge success and had 118 attendees.
- 66.** The Training Department added another leadership certification program, Foreman Leadership Skills, to its arsenal in 2006. In 2010, NWPPA offered the series entirely in California for easier access for our members to the south; as a result, 14 more graduates — all from California — completed the series and earned their certification. Today, this program remains one of our most popular certifications.
- 67.** In 2005, NWPPA debuted its new Utility Accounting Certificate Program. In 10 years, approximately 450 people have gone through the program.
- 68.** No NWPPA event has gone through more name changes than the communications and energy efficiency conference known as the NIC. NWPPA first began hosting the event in 1954, then known as the annual Power Use Section Meeting. In 1970, the planning committee changed the event's name to the Electric Marketing Section, but just four years later it was again changed, this time to the Electric Marketing and Public Relations Conference. In the 1990s it was known as the Consumer Services Conference, and by 1999 the name Northwest Innovations Conference (the NIC) came about. The most recent name change came about in 2011 when the planning committee changed the name to the Northwest Communications & Energy Innovations Conference. Despite the longer name, long-time members and staff still refer to it as the NIC.
- 69.** NWPPA began holding its annual Accounting and Finance Workshop in 1947. This was one of the Association's earliest flagship classes and it was offered for nearly 60 years until its final year in 2006. Like the NIC and other events, it also went through several name changes, the final one being the Finance, Accounting, Rates and Economics (FARE) Workshop. However, it also had some of the lengthiest names, such as the Accounting, Finance, Information Systems, Rates, and Economics Conference — a.k.a. AFIRE — as it was called in the 1990s; or the Customer Service, Human Resources, Accounting and Finance, Rates and Economics, and Services Conference — a.k.a. CHART — as it began to be called in 2001.
- 70.** Members started registering online for classes in 2002. Over the past decade we have worked to continuously improve our registration system; however, members can always call our office to register for an event or for general registration help.
- 71.** In 2007, the long-running Hazardous Materials Task Force changed its name to the Environmental Task Force (ETF); the ETF is still going strong today and meets three times per year. All members are invited to attend.

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- 72. In 2009, NWPPA recognized that many members were not able to travel as often for training events. To help members with their training needs, the Training Department took steps to reduce the cost of training by holding related classes in the same location during the same week, holding classes in conjunction with other events, increasing in-house course offerings at the utility to reduce travel, using more central locations, and increasing eLearning options.
- 73. NWPPA unveiled its newest eLearning platform — webinars — in April 2009. The first webinar offered was *New Family Medical Leave Act (FMLA) Regulations* on April 16. Today, the Training Department schedules about 30 webinars per year on a host of topics.
- 74. In 2004, NWPPA crafted its Power Supply Workshop, a smaller workshop that offers a heavy load of informa-

tion based on current hot topics. The workshop was on hold for a few years; however, it has been brought back this year and will be taking place in Vancouver, Wash., in August 2015.

- 75. In the spring of 2014, NWPPA graduated the first class of 14 utility employees to complete the inaugural five-part Pathways to Leadership Certification series. Pathways is a leadership development series for senior managers, managers, Front Line Leadership graduates, and newly appointed leaders. Because of the high level of praise for this series, it continues today and has already been scheduled for 2016. **NWPPA**

Brenda Dunn is the associate editor at NWPPA. She can be reached at Brenda@nwppa.org.



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by Homer T. Bone

Power is like the air we breathe

Written by Nicole Villacres and Andrew Munro

Well. It seems I've been given a special dispensation to see just what has happened with public power since my demise. My passing. Yes, Blanche would probably prefer a gentler term for "kicking the bucket." What's the term you use today? Politically correct? Well, I tend to say it like I mean it, but I also listen to Blanche. So I'll be "correct." It won't hurt me.

I see we've made some great strides since I left this work to others. The hydropower dams are doing what they're supposed to do: providing the lowest power rates in the U.S. to the people who own it. There are some beautiful parks enriching your lives because of those dams. You're taking care of the fish and the environment. Low-cost, renewable hydropower is everywhere and I'm amazed at what has been done with it to power our farms, homes, and businesses.

This ... Internet. Why, if I'd had that kind of information at my fingertips, I'm afraid I might've made public power universal! All over the world! Yet, I hear that there are many folks who still don't have access to electricity. What?! You smart alics can connect the world with cell phones and the Internet, but you still can't get power to the folks who need it around the world like South America and Africa? Why, I read on this world-wide-web that one of our own territories, American Samoa, only has 55 percent of its citizens with power. What's the matter with you? Persistence! Passion! Electricity can change the world! Haven't you learned that yet?!

All right, I can hear you whining. Other countries aren't our problem. And maybe you don't have all the lines and poles you would need to take care of everyone on the planet. And yes, pesky international politics and conflicts seem overwhelming. So ... think about it differently. You've got good minds! You've taken our local public utilities and made them great! How can you help the rest of the world now?

Hell, you've got human beings up in an international space station orbiting earth! Don't know what you need to be doing up there, but if you can do that, well managing things right down here on the ground shouldn't be too tough. Get the word out. It took courage to build what we have. Our adversaries didn't go down without a fight either.

All of that said, I'm pretty proud of what you've done. All this renewable energy brouhaha is a good thing. Hydropower led the way before and will lead the way for the next millennia. And how you're building homes now to be more efficient and the twisty turny light bulbs saving energy. I've heard that Ellie Dee is making an even better bulb now. She's one smart cookie.



So, keep going. Never give up! If the power of electricity had never been harnessed, we wouldn't even have a fraction of what we have in the world today ... no televisions, microwave ovens, computers, cell phones, iPads, iPods, Internet, Twitter, or Instagram. Power is like the air we breathe — it's for everyone! **NWPPA**

Andrew Munro is director of the Customer Service Division for Public Utility District No. 2 of Grant County (Grant PUD) and can be reached at amunro@gcpud.org. He is an actor and writer (sometimes), and has portrayed Homer T. Bone before live audiences under the direction of Nicole Villacres, an information technology administrator for Public Utility District No. 1 of Chelan County (Chelan PUD). She is also an actress, director, producer, and writer, and can be reached at nicole.villacres@chelan-pud.org.

Homer T. Bone

Homer Truett Bone (1883-1970), the son of James Milton and Margaret Jane Demaree Bone, was born near Indianapolis, Ind. He and his family moved to Tacoma, Wash., in 1899, and there he had a law practice. In 1918, he married Blanche Sly. In the early 1920s, Bone served as an attorney for Tacoma City Light, the city's municipally owned utility. He was a Democratic U.S. senator, 1932-1944; and judge, U.S. Circuit Court of Appeals, Ninth Circuit, San Francisco, 1945-1954. He was best known for his involvement in the public power movement for electrical utilities, including work as a senator with the Tennessee Valley Authority. The "Guide to the Homer T. Bone Papers (1903-1944)" documents Homer T. Bone's political career, his role in the development of public electrical power in the Pacific Northwest, and regional politics. The collection includes 132 boxes of documents, scrapbooks, artifacts, and photographs; three cartons of clippings; two large ledgers; and a pile of loose newspapers in folders for a total of 132.0 linear feet. The expansive collection is housed at the University of Puget Sound. **NWPPA**



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Transcribed by Brenda Dunn

Past presidents reflect on their time in office



Larry Weis



Terry Holzer



Meera Kohler



John Di Stasio



Neal Harth



Ron Hatfield



Bob Titus



Scott Odegard



Bill Nordmark

In preparation for our big anniversary, several of our past presidents sat down with us to share their memories of the year they chaired the NWPPA Board of Trustees. Thank you to all of our past, present, and future presidents for the work, time, and heart you put into leading our association. And an extra thank you to the past presidents who were able to speak with us: Larry Weis formerly of Turlock Irrigation District (2002-2003), Terry Holzer retired from Yellowstone Valley Electric Cooperative (2004-2005), Meera Kohler of Alaska Village Electric Cooperative (2006-2007), John Di Stasio retired from Sacramento Municipal Utility District (2008-2009), Neal Harth retired from Wasco Electric Cooperative (2011-2012), Ron Hatfield of Pacific County PUD No. 2 (2007-2008), Bob Titus of the City of Ellensburg (2011-2012), Scott Odegard of Sun River Electric Cooperative (2012-2013), and Bill Nordmark of Golden Valley Electric Association (2013-2014).

How did NWPPA change during your presidency?

Weis: We had a lot of things going on. We had the transition from one executive director; working on that transition was a lot of work. We went from Norm to Craig and then we hired Will Lutgen during all of that time. We also had a lot of financial challenges; we did not have enough reserves in the association and we had to work through that. Those were some tough times — I remember those!

Holzer: The main issue at the time was the National Utility Training Services issue, which we affectionately called NUTS at that time. We tried to find a workable solution that would be best for the members as well as for the founding systems of the NUTS facility. The other issue that we dealt with dur-

ing my presidency was the Energy Policy Act of 2005, which incorporated the net metering laws.

Kohler: The greatest credit I can take is that it didn't change during my presidency other than perhaps get a little more unified. I think that the membership growing and remaining solid and in support of each other is really the best achievement an association can have.

Di Stasio: Policy wise one of the things we were considering at that time was Waxman-Markey, the climate initiative. We were uniquely positioned in the Northwest to try to think about how to comment on that; we had vigorous discussions, we had rigorous policy debate, and we ended up with some positions that protected the interests of our members and their unique spot relative to the Northwest portfolio.

Harth: There was a huge clamoring to become members of Northwest Public Power Association with new leadership, new programs, and new ideas; everybody in the industry seemed to want to be a part of NWPPA. I thought that was great.

Odegard: NWPPA was in very good shape when I took over and I am proud to say that it was still in very good shape when I was done. So my greatest accomplishment is that I didn't screw it up.

Hatfield: Happily, I believe it didn't. Staff continued the exemplary service that they provide to all of the members of NWPPA.

Titus: There was a much greater focus on regulatory issues; Congress was dysfunctional so the legislative issues that would come up would not get through Congress. NWPPA took the challenge and moved in that arena much more actively than they had done previously.

What challenges have you seen the industry face?

Weis: First I would say technology; technology has changed in everything we do. We have a lot of new people and talent

that we have to transition with — new generations of employees. Communication tools that we use today are also connected to technology and everything that we do. The basic business is still the same, however power supply has been very challenging; we have other ways of producing power than we did before that are real and reliable — wind, especially, and solar.

Holzer: Over the last number of years, what comes to mind is the integration of renewable energy and the effect that it has had on primarily hydro resources as well as the revenue stream of the public power utilities. Another thing that is coming to play is the generation mix of the fuel switching that has been espoused through the regulatory actions of the Environmental Protection Agency; that could create some long-term issues with reliability and affordability down the road. Another thing is the need for improving and enhancing the distribution and transmission grid system throughout our country with regards to the concern of cyber security issues, grid security, and grid reliability.

Kohler: In the Pacific Northwest specifically, the biggest issues probably are the

effort to take down the dams on the hydrosystem; growing appreciation for the value of hydropower is probably the biggest challenge that we face.

Di Stasio: The number and the speed at which these challenges have been coming forward have really accelerated over the time that I've been involved with the industry and with NWPPA. Now we are wrestling still with environmental issues, with the Clean Power Plan, and focus on reducing climate emissions; but we also have initiative relative to transmission, cost allocation, markets, reliability, compliance, and distributed energy. I think we are at a unique time because we are at the juxtaposition of consumerism, technology, and policy, and it's transforming our industry. It's an exciting time to be in it, but it's a time filled with change.

Harth: The biggest challenge then — and it still is today — is regulation, regulation, regulation. The government seems to think they can do a better job with public power than those of us that sit on these boards. And that has been kind of a thorn in our sides so we have been very active in Washington, D.C., to overcome some of those regulations.

As president, what was your greatest goal for NWPPA?

Weis: My greatest goals were financial and stabilizing. We had to change some of the ways we did our finances so we could stabilize the organization. And we added some members — I made a phone call to SMUD and I can say that I think I convinced Jan Schori and that organization to join which turned into another president with John Di Stasio. I did a lot of work in the Northern California area as I moved down there from Washington state and I think that helped the organization.

Holzer: The greatest goal that I had while I was president was to get a sound and workable solution to the National Utility Training Services issue. I also wanted to keep the membership intact and keep the revenue stream strong for the association. Another key issue was to continue the good work that NWPPA has done in the past with regards to being a strong advocate for public power.

Kohler: I would say my greatest goals were to maintain financial stability, to keep the membership working together,

Continued on page 34



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and respect for each other. I think those are the things that we always need to strive for.

Di Stasio: First of all, I was honored to be able to be a Californian and be president of NWPPA. I was so welcomed in that and one of the things that I wanted to make sure I did was make sure I heard all voices. SMUD was a fairly mid- to large-sized system and a lot of the members represent a lot of different sized systems. I wanted to make sure all of the diverse opinions and perspectives were brought to bear and that I presided over an open debate that included all voices — that was really important to me and hopefully that was something we accomplished.

Harth: NWPPA has been in existence for quite a while but the membership fell off, the activities fell off, and the training fell off, so my greatest goal was to make doggone sure the industry knew who we were, what we were, and why we were there. So we expanded the membership and the whole scope of NWPPA. I thought that was quite an achievement.

Odegard: As president, one of the things that I tried to do was balance the effort through the different things that NWPPA normally does. We had to balance what we were able to do against what was possible and what was actually needed. I think during my presidency I was always thinking — not trying to do everything. If everything is priority one, than nothing is. I tried to keep us focused on what I thought might be the most important thing for our membership.

Hatfield: I would have to say there were two main issues. The first priority was to continue, even expand, the excellent training that the association offers each year. Secondly, maintain our strong voice in Washington, D.C.

Titus: NWPPA had the largest footprint; it had utilities in more states, and sometimes that was a detriment to public power because we couldn't put forth a

common vision. NWPPA pushed to get those groups together and deal with some of the issues that were challenging to us.

What is your fondest NWPPA memory/moment?

Weis: The number one thing was taking ski trips with the board members; that was always fun. Those trips with the board and the recreation we had afterwards and the fellowship that we had together was great. And of course the organization itself is all about networking and fellowship in our industry which has been tremendous; one of the greatest assets of the organization.

Holzer: I was impressed by the diversity and the knowledge of the board. Also, I was quite pleased and impressed with the professionalism and integrity of the NWPPA staff. I made some good friends with the association staff over the years. Another reflection that I had is going back to Washington, D.C., annually, doing the Legislative Rally. I always found that the association did a great job with that and I think it was very, very effective; I had a wonderful time participating in them.

Kohler: Probably one of the funnest ones was when Craig McCollom was executive director of the organization and we were at a very fancy party at a very fancy hotel. It was a very — more or less — solemn occasion and he carefully took the napkin in front of him — a very nice linen napkin — and tied little knots in the four corners and then put it on his head. Everyone looked at him and the next thing you knew, everybody did the same thing. So there we were, all sitting around with these napkin hats and it was just a crack up. The entire restaurant was just delighted to see that there was a sense of humor there.

Di Stasio: One thing is the closeness of these folks in the Northwest with their delegations. I was always surprised to be able to sit down with members of Congress that actually knew our members by first name, which was not typical in California. An interesting circum-

stance related to that was Congressman Don Young from Alaska did ask me to leave his office because I was from California, but we got over that. I actually enjoyed him — he was quite a character. Finally when I found out his brother still lives in California and after he gave me a pretty hard time, he let me in and we had a good meeting with him. I'll probably never forget that because it was one of the more interesting meetings I had on the Hill.

Odegard: My fondest memory was when I was passing the rubber chicken to Bill Nordmark. Who knew that he was the comedian that he is. He had us in stitches and I think that was the best change-over ceremony. There was a comedian that came on afterward and frankly there was no way he could follow that act.

Hatfield: My fondest NWPPA moment was seconding all of the motions during last year's annual meeting so we could get through the process and back to our free time.

Nordmark: I think my fondest memory was at the annual meeting in Bellevue when I was toasting — or maybe roasting — outgoing NWPPA President Scott Odegard. I got my notes all mixed up. I was becoming more befuddled by the moment and things just kept getting worse. I think the audience thought I was doing this on purpose and they were all laughing and thought I was trying to be a comic. When the entertainer for the night followed me, who was a professional comic, he applauded me; that relieved some of the tension I might have had.

Titus: At the banquet where I was finishing my term as president in Coeur d'Alene, I was very honored that both my city manager and the mayor came to the meeting and participated in the events and showed their support for me and the efforts of NWPPA. That, as well as the support of my wife, was really great. **NWPPA**

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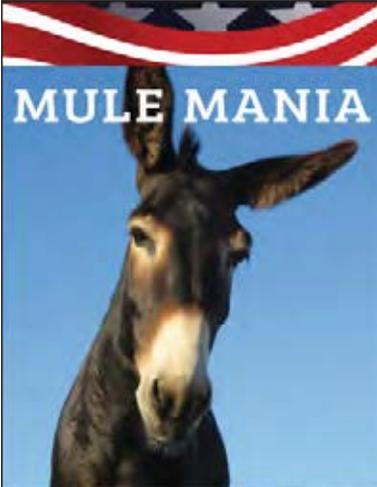
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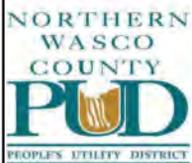
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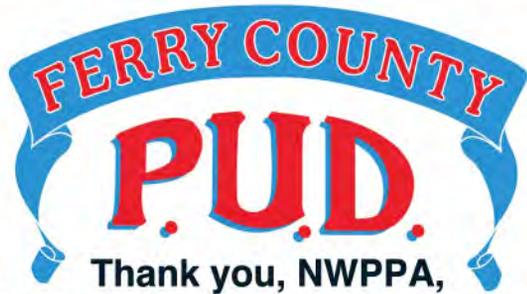
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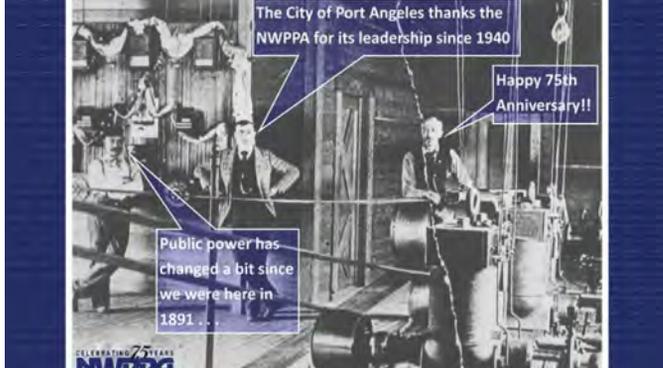


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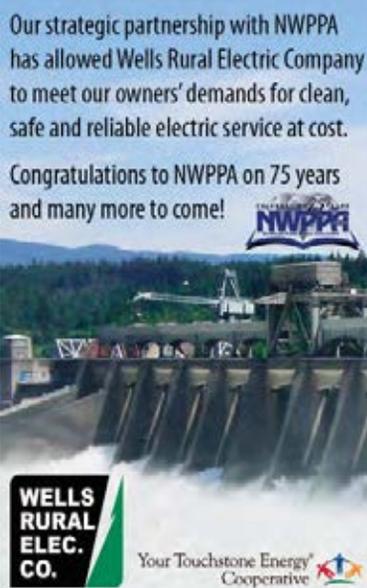


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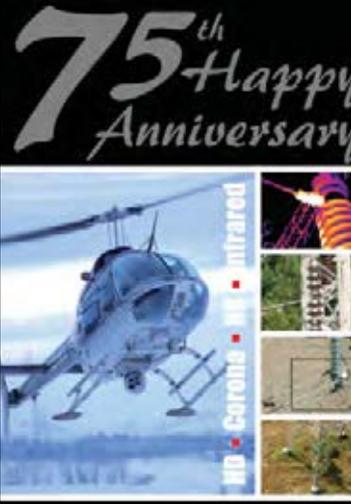


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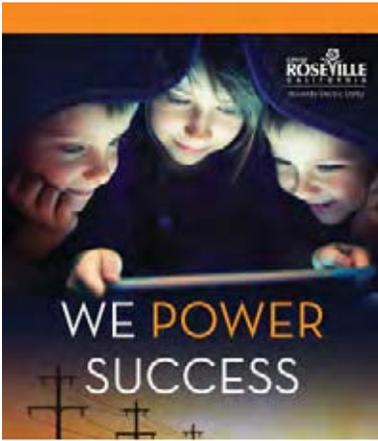
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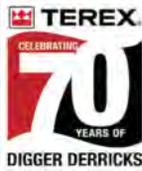
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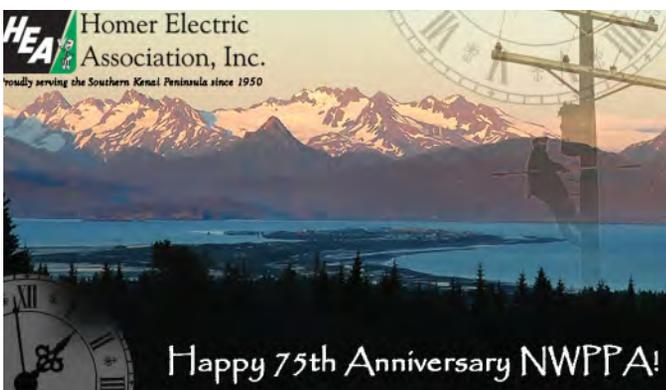


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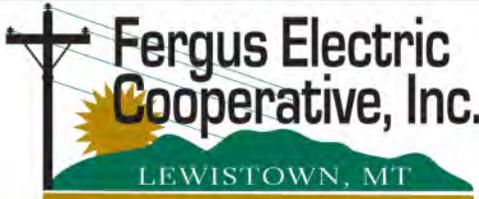
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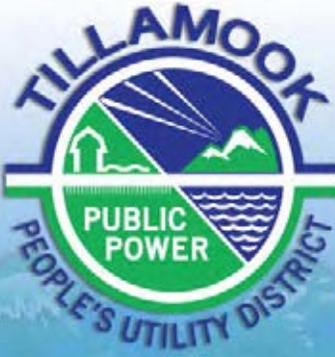


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KOTZEBUE ELECTRIC ASSOCIATION



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Northwest Public Power Association for 75 great years!

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www.epud.org

Congratulations
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800-949-3526

JOB OPPORTUNITIES

The Job Opportunities is a service provided to NWPPA member systems and associate members. Member price is \$110 per listing for a 30-day period.

- Job Opportunities ads are also accepted from non-members. Ads are \$330 per listing for a 30-day period.
- *Copy must be received before the 25th of the month prior to the month of publication* (for example, February 25 for March issue).
- The *Bulletin* is mailed by the 15th of each month.
- Complete the online Job Opportunities ad placement form at www.nwppa.org.
- NWPPA reserves the right to edit all listings in order to fit size requirements in the publication.

POSITION: Powerhouse Operator
COMPANY: City of Centralia (Centralia, Wash.)
SALARY: \$40.55 per hour.
DEADLINE TO APPLY: May 16, 2015.
TO APPLY: Submit a completed City of Centralia application, available at www.cityofcentralia.com. Send to Human Resources Dept., P.O. Box 609, Centralia, WA 98531, (360) 330-7672, or email crydalch@cityofcentralia.com.

POSITION: Director of Engineering (Supervisor III)
COMPANY: Northern California Power Agency (Roseville, Calif.)
SALARY: \$136,200-\$170,250 annually.
DEADLINE TO APPLY: May 19, 2015.
TO APPLY: Apply online at www.ncpa.com.

POSITION: Accounting & Finance Manager
COMPANY: Mycoff, Fry & Prouse LLC (Conifer, Colo.)
SALARY: DOE.
DEADLINE TO APPLY: May 22, 2015.
TO APPLY: Email resumé to Pat Prouse at Mycoff, Fry & Prouse at pprouse@mfp LLC.us.

POSITION: Utility Wireman
COMPANY: Grays Harbor PUD (Aberdeen, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: May 24, 2015.
TO APPLY: Application and instructions can be found at www.ghpud.org.

POSITION: Journeyman Lineman
COMPANY: City of Port Angeles (Port Angeles, Wash.)
SALARY: \$40.70 per hour
DEADLINE TO APPLY: May 24, 2015.
TO APPLY: Download the City of Port Angeles application and supplemental questionnaire at www.cityofpa.us. Applicants may attach cover letter and/or resumé.

POSITION: Journeyman Lineman
COMPANY: Jefferson County PUD (Port Townsend, Wash.)
SALARY: \$42.04 per hour.
DEADLINE TO APPLY: June 21, 2015.
TO APPLY: Fill out application online at www.jeffpud.org. Send resumé and cover letter to Annette Johnson, Jefferson Co. PUD, Human Resource Manager, 310 Four Corners Rd., Port Townsend, WA 98368.

POSITION: Transmission & Distribution Engineering Level I
COMPANY: Grays Harbor PUD (Aberdeen, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Submit a cover letter, resumé, and completed application to Human Resources, Grays Harbor PUD, P.O. Box 480, Aberdeen, WA 98520-0109 or email to jobapps2015@ghpud.org. Application packet available at www.ghpud.org.

POSITION: Substation Engineer Level I
COMPANY: Grays Harbor PUD (Aberdeen, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Submit a cover letter, resumé, and completed application to Human Resources, Grays Harbor PUD, P.O. Box 480, Aberdeen, WA 98520-0109 or email to jobapps2015@ghpud.org. Application packet available at www.ghpud.org.

POSITION: Engineering Technician
COMPANY: Lane Electric Cooperative (Eugene, Ore.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.

TO APPLY: Send resumé with salary history by mail to Human Resources, Lane Electric Cooperative, Inc., P.O. Box 21410, Eugene, OR 97402, by fax to (541) 484-7316, or by email to hrdept@laneelectric.com.

POSITION: Special Projects Coordinator
COMPANY: Orcas Power and Light Cooperative (OPALCO) (Eastsound, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Download and submit an OPALCO employment application (available at www.opalco.com/jobs) along with professional resumé, cover letter, and references to Bev Madan, 183 Mt. Baker Rd., Eastsound, WA 98245 or bmadan@opalco.com.

POSITION: Journeyman Lineman
COMPANY: Orcas Power and Light Cooperative (Eastsound, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Download and submit an OPALCO employment application (available at www.opalco.com/jobs) along with professional resumé, cover letter, and references to Bev Madan, 183 Mt. Baker Rd., Eastsound, WA 98245 or bmadan@opalco.com.

POSITION: Head Accountant
COMPANY: Orcas Power and Light Cooperative (OPALCO) (Eastsound, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Download and submit an OPALCO employment application (available at www.opalco.com/jobs) along with professional resumé, cover letter, and references to Bev Madan, 183 Mt. Baker Rd., Eastsound, WA 98245 or bmadan@opalco.com.

POSITION: Deputy Security Director
COMPANY: Chelan County Public Utility District (Wenatchee, Wash.)
SALARY: Low \$100,000s.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Apply online at www.chelanpud.org under "Careers."

POSITION: Journeyman Lineman
COMPANY: City of Ukiah (Ukiah, Calif.)
SALARY: \$5,352-\$6,506 monthly.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Application available at www.cityofukiah.com/jobs. Mail completed applications to Human Resources Dept. at 300 Seminary A ve., Ukiah, CA 95482. **NWPPA**

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National Electrical Contractors Association
Tracy Harness, Chapter Manager
6162 N.E. 80th Ave., Portland, OR 97218
(503) 255-4824 • Fax (503) 256-1907
tracyh@nwlineca.com
www.nwlineca.com

Advanced Underground Utilities
P.O. Box 309
Sumner, WA 98390
Call (253) 988-2449

Aztech Electric, Inc.
P.O. Box 11795
(Zip 99211-1795)
5204 E. Broadway
Spokane Valley, WA 99212
Call (509) 536-6200

Brent Woodward, Inc.
307 S.W. 2nd St.
Redmond, OR 97756
Call (541) 504-5538

Burke Electric LLC
13563 S.E. 27th Place, Suite A
Bellevue, WA 98005
Call (425) 644-0351*

Christenson Electric Inc.
111 S.W. Columbia, Suite 480
Portland, OR 97201
Call (503) 419-3300*

City Pacific Services
819 Orca St.
Anchorage, AK 99501
Call (360) 584-8644

Cougar Construction
3015 Salem Ave. S.E.
Albany, OR 97321
Call (541) 791-3410

DJ's Electrical, Inc.
2319 S.E. Grace Avenue
Battle Ground, WA 98604
Call (360) 666-8070

EC Company
6412 South 196th Street
Kent, WA 98032
Call (206) 242-3010

Holmes Electric
600 Washington Ave. S.
Kent, WA 98032
Call (253) 479-4000

International Line Builders, Inc.
SO. California Office
2520 Rubidoux Blvd.
Riverside, CA 92509-2147
Call (951) 682-2982

International Line Builders, Inc.
Sacramento Office
1550 S. River Rd.
West Sacramento, CA 95691
Call (503) 692-0193
(Tualatin's-we transfer)

International Line Builders, Inc.
Tualatin Office
19020 A SW Cipole Rd
Tualatin, OR 97062
Call (503) 692-0193

International Line Builders, Inc.
Spokane Office
4520 N. Barker Rd
Spokane, WA 99027
Call (509) 928-2717

Jaco Construction, Inc.
P.O. Box 1167
Ephrata, WA 98823-1167
Call (509) 787-1518

Magnum Power, LLC
P.O. Box 2
LaCenter, WA 98629
Call (360) 901-4642*
(360) 901-0233*

Michels Power
P.O. Box 15059
Tumwater, WA 98511-5059
9433 Dowcor Lane S.W.
Tumwater, WA 98512
Call (360) 236-0472

Mountain Power Construction
5299 N. Pleasant View Road
Post Falls, ID 83854
Call (208) 667-6011
(208) 659-0832*

Moza Construction, Inc.
P.O. Box 44400 (Zip 98448-0400)
3420 128th Street East
Tacoma, WA 98446
Call (253) 531-5674*

North Sky Engineering
2224 104th Avenue, E. #1
Edgewood, WA 98372
Call (253) 952-2128

O'Neill Electric Inc.
4444 S.E. 27th Avenue
Portland, OR 97202
Call (503) 493-6045

Par Electrical Contractors
2340 Industrial Ave.
P.O. Box 521
Hubbard, OR 97032
Call (503) 982-4651

Potelco, Inc.
3884 Highway 99 East
Hubbard, OR 97032
Call (503) 902-0255

Potelco, Inc.
1411 Salem Industrial Drive, N.E.
Salem, OR 97303
Call (253) 606-3294

Potelco, Inc.
14103 Stewart Road
Sumner, WA 98390-9622
Call (253) 863-0484*

Potelco, Inc.
P.O. Box 15307
Spokane, WA 99215
Call (509) 926-6003*

Power City Electric, Inc.
3327 East Olive
P.O. Box 2507
Spokane, WA 99202
Call (509) 535-8500

Power Technology
1602 Guild Rd.
Woodland, WA 98674
Call (360) 841-8331

Robinson Brothers Construction, Inc.
6150 N.E. 137th Avenue
Vancouver, WA 98682
Call (360) 576-5359

Service Electric Co.
1615 First Street
P.O. Box 1489
Snohomish, WA 98291
Call (360) 568-6966

Sturgeon Electric Company, Inc.
1500 NE Graham Road
Troutdale, OR 97060
Call (503) 661-1568

Substation Solutions, LLC
13487 Leland Road
Oregon City, OR 97045
Call (503) 655-6060

Tice Electric Company
5405 North Lagoon Avenue
Portland, OR 97217
Call (503) 233-8801
(503) 231-3372

Wilson Construction Company
1190 N.W. 3rd Ave.
P.O. Box 1190
Canby, OR 97013
Call (503) 263-6882
(503) 720-0016*

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