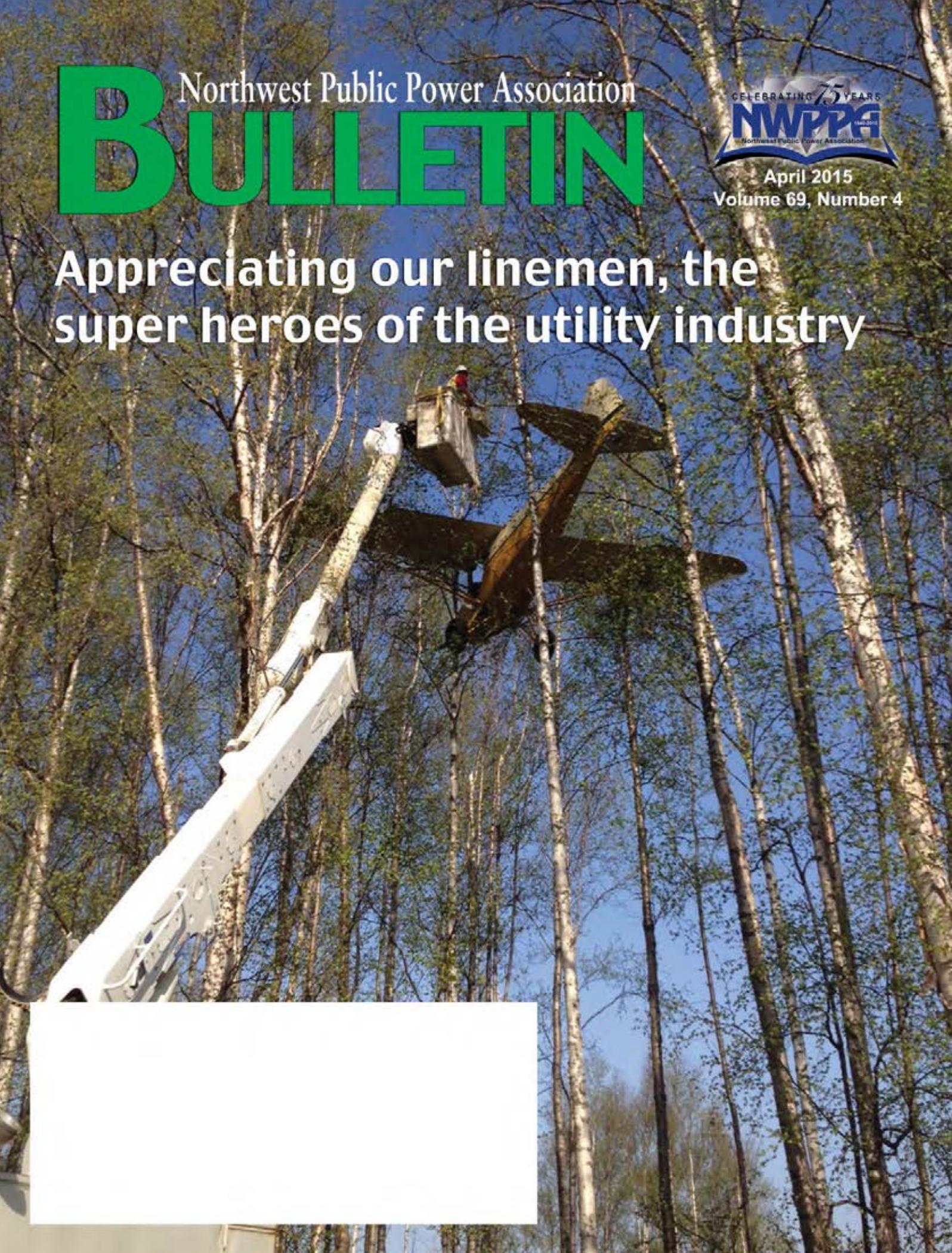


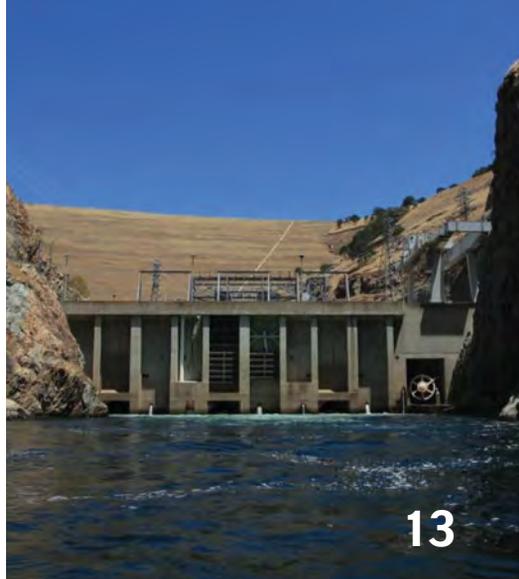
Northwest Public Power Association **BULLETIN**



April 2015
Volume 69, Number 4

Appreciating our linemen, the super heroes of the utility industry





On the cover: This month's cover story, which coincides with National Lineman Appreciation Day on April 18, recognizes a few of our industry's unsung heroes, men and women who have gone above and beyond to save lives. On the cover, a Matanuska Electric Association line crew used their bucket truck to save a pilot from a plane that had crashed into 70-foot-tall trees in Wasilla, Alaska. The crew received NWPPA's 2015 Safety Heroism Award for their actions.

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.

Editor: Debbie Kuraspediani
 Associate Editor: Brenda Dunn
 Design Layout: Glenda Waite
 Advertising: Brenda Dunn at (360) 816-1453 or brenda@nwppa.org

Bulletin (ISSN 1094-0049)

The *Bulletin* is published monthly by Northwest Public Power Association, 9817 N.E. 54th Street, Ste. 200, Vancouver, WA 98662.

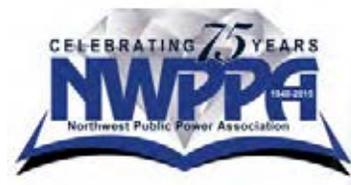
POSTMASTER: Send address changes to: *Bulletin*, 9817 N.E. 54th Street, Ste. 200, Vancouver, WA 98662, (360) 254-0109, fax (360) 254-5731.

©Copyright 2015 by the Northwest Public Power Association. All rights reserved. PRINTED IN THE U.S.A.

CONTENTS

APRIL 2015 • VOLUME 69 • NUMBER 4

- 3 NWPPA NEWS**
- 7 TRAINING OPPORTUNITIES**
- 11 MARKETING & COMMUNICATION**
- 13 POWER SUPPLY & RATES**
- 15 REGULATORY UPDATE**
- 16 RENEWABLES**
- 19 MEMBER NEWS**
- 22 ASSOCIATE MEMBER NEWS**
- 24 WASHINGTON, D.C., REPORT**
- 26 COVER STORY**
- 31 JOB OPPORTUNITIES**



Scan with your smart phone to view our mobile website.

Come and help us celebrate our 75th Annual Meeting

The 75th Annual Conference and Membership Meeting will be held next month in Anchorage, Alaska, May 17-20, 2015. If you have not yet registered for it, here are some important dates to keep in mind:

- April 16 is the last day to secure NWPPA discounted room rates at the Hilton Anchorage
- April 17 is the last day to receive the early-bird rate on the conference registration

Please join us in Alaska for this year's 75th Annual Conference and Membership Meeting, "Celebrating our past with an eye on the future." NWPPA has lined up an impressive list of presenters from both outside and inside the industry to address current challenges such as recognizing the trends in the utility industry and outside; what is the future of energy resources; and available opportunities in home energy control and distributed generation? And what about those consumers and owners we serve? We will discuss them as well. And, of course, we will have some networking fun at the 75th anniversary diamond gala on Wednesday evening. **NWPPA**

Come learn, network, and celebrate with us in Alaska next month!

To register, get up-to-date information, or download a PDF

of the conference brochure, visit www.nwppa.org.

We hope to see you there!

2015 Excellence in Communication Call for Entries now available



Utility marketing and communications employees, check your inboxes! NWPPA emailed the 2015 Call for Entries for NWPPA's 22nd annual Excellence in Communication Awards earlier this month; however, if you did not receive one, you may download the complete brochure at www.nwppa.org.

The brochure contains all of the details about this year's competition, including categories, entry fees, and how to submit your entries. All entries and fees must be postmarked by Friday, June 26. Contact Brenda Dunn at brenda@nwppa.org if you have any questions about the contest or would like a PDF of the brochure emailed to you.

As in years past, the winning entries and utilities will be honored at Tuesday's evening reception at the annual NIC on September 15 at Harveys Lake Tahoe in Nevada. The conference itself will run from September 13-16, 2015, at Harveys. Look for more information about the conference in upcoming *Bulletins*. **NWPPA**

First NWPPA DG workshop proves successful

A lively group of Northwest public power leaders gathered in Portland on February 17 and 18 to explore the ins and outs of distributed generation (DG). The NWPPA workshop, *Preparing for Distributed Generation in the Northwest*, provided utility board members and executives an opportunity to broaden their knowledge about this rapidly evolving topic as well as consider strategies to prepare for it.

The lead workshop presenter, Charlie Black of CJB Energy, kicked things off by showing how DG affects all segments of the utility industry — from power supply to transmission, distribution, ratemaking, and customer relations. He compared and contrasted DG with the traditional electric utility system, and provided an overview of various DG technologies and how they are used by homes and businesses. His presentation reviewed major forces driving the growth of DG: advancing technologies and falling costs for rooftop solar photovoltaic systems; government policies and tax incentives; rising retail electric rates and rate designs that recover fixed costs through volumetric charges; consumer interest in DG; and third-party rooftop solar installers and leasing companies.

Various points of view about DG were examined: consumers who adopt DG; consumers who do not adopt DG; and utility perspectives on consumer-owned DG and the challenges and benefits. Day one closed with a table-top exercise in which teams of workshop participants discussed the interests of adopters, non-adopters, and utilities; and actions that utilities can take now to balance the interests and meet the future needs of all consumers.

“I found the global discussion and group participation during all sessions, especially from outside speakers, to be most helpful,” said Energy Northwest Generation Project Developer Robin Rego.

The second day was filled with active discussions with presenters from Sacramento Municipal Utility District (SMUD) and Snohomish County PUD on their DG programs and lessons being learned. Scott Martin of SMUD explained how California state policies such as net energy metering, combined with declining costs for rooftop solar, are driving adoption of DG by SMUD customers. Martin also shared SMUD’s analysis of how increasing levels of DG will affect its system, and SMUD’s work on energy storage, smart grid, and rate restructuring.

Next, George Pohndorf provided an overview of Snohomish PUD’s policy commitment and proactive approach to assist customers who wish to adopt DG, while managing the utility’s transition to a two-way, smart, integrated system. He also described the PUD’s Solar Express program, which supports customer-owned rooftop solar,

Register now for NWPPA’s May distributed generation courses!

Distributed Generation for the Utility Finance Professional

May 5-6, 2015
Portland, Ore.

Distributed Generation for Engineering Personnel

May 13-14, 2015
Vancouver, Wash.

For more information, or to register, go to www.nwppa.org.

and its Planet Power program, which funds solar demonstration projects. Finally, Erin Boyd reported on Snohomish PUD’s work to develop a holistic approach to DG that captures underlying economics and takes the long-term view, with active guidance by the utility’s general manager and commissioners. Examples of topics included assessing the potential for cost shift and rate pressures; restructuring rates; assessing the value of solar; and engaging with state legislators.

“The exchanging of information as to what is happening in California and Washington helped to give insight into what may be coming,” said Sun River Electric Cooperative Member Service Manager Brad Bauman.

Doran Dennis and Brendan Ronayne from CoBank, a sponsor of the workshop, provided a financier’s overview of what they are seeing in the industry for projects, partnerships, challenges, and successes.

The workshop concluded with some scenario planning for either 5 or 25 percent of a utility’s load being provided by DG by 2025. Teams were asked to identify driving forces that could lead to each level of growth and to formulate a utility strategy for each scenario, including action items regarding its customers, government policies, third-party service providers, and the utility’s own power resources.

Overall, the workshop covered a broad range of DG topics, with emphasis on policy and strategy issues. The workshop sessions combined a primer on DG and its driving forces with sharing of real-world experiences, while small group exercises enabled participants to apply what they were learning. **NWPPA**

Latest GM, director survey results to be posted in early June

Next week, NWPPA will close the 2015 General Manager's Compensation Survey and the 2015 Director, Commissioner & Other Elected Officials Survey. To complete either survey before then, go to www.nwppa.org, click on the Communications tab, and choose Surveys.

Both surveys will be closed on April 17 and reports will be generated with the survey results. Reports for both surveys will be available by June 5, 2015, from our website. All survey information is kept confidential and may only be accessed by NWPPA utility member general managers and HR senior management.

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.) 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.



Thank you to everyone who has participated in this very important survey process! If you are having trouble accessing the surveys or the results, please contact Brenda Dunn at brenda@nwppa.org or (360) 816-1453. **NWPPA**

Don't forget to find the !

In each 2015 issue of the *Bulletin*, we will be hiding one diamond graphic (exactly 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.

March's diamond was on page 11 on the far-left side of the Wanapum Dam photo, on the dam itself. Congratulations to March's winner: Michelle Smith from Coos-Curry Electric Cooperative in Port Orford, Ore. **NWPPA**

Sustainable

labor and employment law solutions

Fresh insight, locally sourced
advice, custom-crafted for you.

bullard
law® bullardlaw.com

call 503.248.1134

A piece of NWPPA history: Gus Norwood, an NWPPA legacy



On November 1, 1947, the NWPPA membership chose Gus Norwood as the Association’s first-ever 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, NWPPA had grown to 126 member systems.

Born on January 3, 1916, Norwood graduated in 1939 from the United States Naval Academy and served as a naval officer on five combat ships in World War II. While in the Navy, he met the love of his life, Jean Eileen. They married in 1941 and were together for 65 years until his death on May 2, 2006.

In 1946, he resigned from his commission as lieutenant commander and went to Harvard on the GI Bill; he earned a master’s of public administration degree from Harvard’s Littauer Graduate School of Public Administration.

After the military and graduate school, Norwood spent the bulk of his career leading NWPPA and forming it into the association it is today. In addition to all that he did for NWPPA and its membership, staying particularly active in the fields of wholesale rates and federal water power legislation, many credit him with being instrumental in the building of the Columbia River dams from 1947 to 1967. For the Association’s 25th anniversary, he wrote an article titled, “People and Progress — When People Work Together.” In it, Norwood addressed how many of the important public power projects take years, even decades, to complete.

“The dates emphasize the importance of continuity and sticking with the issue year in and year out,” he wrote. “Time is an important dimension of our business, time and perseverance.”

After leaving NWPPA, he continued to work in the industry, first with the Alaska Power Administration, then with the Atomic Energy Commission, and ending with Bonneville Power Administration (BPA) from 1974 to 1981. While at BPA, he authored many environmental impact statements as well as his first book since the war, *Columbia River, Power for the People*. Upon retiring from the federal government in 1981, he went on to write eight more books and serve as the director of the Clark County Historical Museum for many years.

For nearly 20 years, Norwood led NWPPA; without his leadership, brilliance, and perseverance, the Association would not be where it is today. Thank you, Mr. Norwood, for all you did for NWPPA and public power. **NWPPA**



A look back at public power

50 years ago — 1965

At the annual membership meeting of Eastern Oregon Electric Cooperative, members voted 203 to 53 in favor of merging with Umatilla Electric Cooperative; one week later, the membership of Umatilla Electric Cooperative voted 281 to 58 in favor of the merger ... The Bureau of Reclamation awarded a \$1,233,470 contract to a Montana construction company to build a new dam near Anchorage, Alaska, to replace the existing dam on Lake Eklutna, which was damaged by the March 1964 earthquake ... Milton-Freewater had a rental program for a central electric heating furnace, including the heater, wiring, and maintenance, for \$2.25 per month (Ore.).

25 years ago — 1990

Tacoma City Light steam plant No. 2 began using refuse-derived fuel to generate electricity (Wash.) ... A new law in Washington state targeted power thieves; it allowed utilities to collect three times the actual damages plus attorney fees, investigation costs, and labor expenses ... Wells Rural Electric Company gave a \$100 power credit to cooperative member Clara Hand in honor of her 100th birthday (Nev.) ... Grant County PUD Commissioner Vera Claussen was honored with a woman of achievement award at the annual Women’s Conference sponsored by Big Bend Community College and Moses Lake Chamber of Commerce (Wash.).

5 years ago — 2010

The Eugene Water & Electric Board of Commissioners selected Roger Gray as EWEB’s next general manager (Ore.) ... By partnering with its customers on a broad range of energy-saving measures, Snohomish PUD achieved its highest level of conservation ever, beating its 2009 conservation goal by 22 percent (Wash.) ... The Golden Valley Electric Association Board of Directors unanimously approved a motion for GVEA’s management to finalize a natural gas fuel contract with Alaska Gasline Port Authority ... The Turlock Irrigation District worked on developing a state-of-the-art natural-gas-fired, simple-cycle peaking power generation facility (Calif.). **NWPPA**

May and June 2015

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

NEW! INCREASING COLLECTION EFFECTIVENESS

Who Should Attend: Members within the customer service, credit, and collections departments of public power utilities.

Overview: This course will look at how your utility has worked its collection processes for years and offer concrete suggestions on how to apply new tools and techniques to improve “this is how we’ve always done it.” You will learn how to fine tune processes to improve customer relationships and leverage the latest technology to increase your revenue collection rates.

MAY 5-6, 2015 — SPOKANE, WASH.

NEW! DISTRIBUTED GENERATION FOR THE UTILITY FINANCE PROFESSIONAL

Who Should Attend: Chief financial officers; senior-level finance and accounting managers; strategic planning leaders; and risk managers.

Overview: In this program, participants will learn about different market sectors’ perspectives, understanding the financial and operational drivers. Then the instructor will review implications for utilities, focusing on external factors such as environmental issues and regulatory compliance. Day 1 will focus on the externalities of distributed generation and microgrids as well as the implication for utilities. During day 2, the participants will discuss financial and strategic issues that utilities should consider. Additionally, participants will consider the impacts on their own utility.

MAY 5-6, 2015 — PORTLAND, ORE.

ONLINE — MANAGING ANGRY CUSTOMERS

Who Should Attend: Anyone who works with external and internal customers.

Overview: Each of us has our own “angometer” that goes off when we are frustrated with a situation. How we manage that meter in ourselves and others is the key. Managing angry conversations is the delicate art of balancing effective customer service with successful temperament management. As a result of participating in this 90-minute webinar, you will be able to identify issues that are triggers for your own anger, identify issues that are triggers for your customers, learn a model for managing angry conversations, and develop a strategy for managing angry conversations.

MAY 6, 2015 — ONLINE PRESENTATION

QUALIFIED WORKER TRAINING

Who Should Attend: Individuals who do not hold an electrical journeyman certificate, but as a part of their duties must enter or open secured areas such as substations, padmounted transformers, switchgear, vaults, and metering cabinets. Engineers, technicians, meter readers, and other operations personnel are required by OSHA 1910.269 to have this training.

Overview: This one-day class is designed to teach the skills required to enter secured areas. The course covers federal regulations related to entering a secured area; minimum approach distances or clearances; personal protective equipment; job briefings; substation entrance procedures; and opening padmount transformers, switchgear, and metering compartments. Employees typically open and/or view electrical equipment in secured areas to take information off of nameplates, readings from meters or gauges, etc. This course does not teach or certify a person to work on electrical equipment. As part of the workshop, a tour of a live substation or other electri-

cal equipment that is secured will occur in the afternoon to demonstrate and practice how to enter a secured area.

MAY 7, 2015 — SEATTLE, WASH.

A ONE-DAY SCHOOL ON LOAD FORECASTING

Who Should Attend: Analysts/managers who are new to forecasting and statistic analysis or need a refresher course in evaluating load forecasts developed for their utility.

Overview: Does your current load and revenue forecast reflect the economic, financial, and regulatory realities facing your utility today? Do you understand what goes into the load forecast developed by your utility and BPA? If your utility has not revisited its projected load and forecast methodology recently, it may be time to re-examine these given the TRM rate design and the new economic and regulatory environment utilities are operating in today. For BPA customers, BPA’s TRM rate design relies on the load forecast developed by BPA for your utility in order to project demand and load-shaping charges. The load forecast is also used to determine your utility’s need for Tier 2 purchases or new resource acquisitions for the next 5 to 20 years.

MAY 7, 2015 — PORTLAND, ORE.

INTRODUCTION TO THE EPA AND ENVIRONMENTAL COMPLIANCE OVERVIEW FOR UTILITY EMPLOYEES

Who Should Attend: Those who implement environmental plans and initiatives, maintain required records, compile environmental reporting data, and guide environmental management resources.

Overview: This one-day course is designed to provide an overview of key environmental compliance rules, management issues, and priorities. In doing so, it will introduce participants to the Environmental Protection Agency (EPA) and cover key federal environmental regulations that affect utilities. Key topics to be discussed include the history, mission, and current organization of the EPA; how EPA regulations translate to state rules and state regulatory agencies (authorized plans and primacy); and how the EPA interfaces with other federal agencies, including the Fish and Wildlife Service, Department of Energy, OSHA, and Department of Transportation (DOT).

MAY 12-13, 2015 — VANCOUVER, WASH.

NEW! DISTRIBUTED GENERATION FOR ENGINEERING MANAGERS AND PLANNERS

Who Should Attend: Senior engineering personnel and planners in utilities that are either developing their own distributed generation (DG) projects or are currently, or expecting to be, dealing with requests from customers to integrate their DG projects into your system.

Overview: This two-day class will cover the range of engineering and related DG topics and issues pertinent to your utility. Course topics include: defining distributed generation; DG economics; utility distribution system design; DG benefits for electric utilities; DG interconnection types; applicable code review; overview of interconnection requirements; screening process for small DG; impact analysis based on IEEE 1547; facility study and impact study to identify problems and costs for construction and costs to be paid by the owner; metering, including net metering and direct DG metering; what are renewable energy credits (REC) and what are their value; and a case study.

MAY 13-14, 2015 — VANCOUVER, WASH.

Continued on page 8

TRAINING OPPORTUNITIES

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) TRAINING FOR UTILITY PERSONNEL

Who Should Attend: All employees with environmental responsibilities at utilities and those companies that work with utilities.

Overview: This one-day course provides an overview of the Resource Conservation and Recovery Act (RCRA) that was passed by the U.S. Congress on October 21, 1976. The law's focus is to regulate hazardous waste and non-hazardous solid waste; it introduced a "cradle-to-grave" philosophy for the management of hazardous waste. RCRA calls for environmentally responsible handling, storage, and transportation of hazardous waste from its creation to its final disposal; and encourages waste reduction through recycling and reuse. Over the years, utilities have worked to comply — and remain in compliance — with the law and regulations of this act.

Information presented in the course will be primarily aimed at the federal regulations.

MAY 14, 2015 — VANCOUVER, WASH.

NEW! ONLINE — MANAGING YOUR INFORMATION RISKS WEBINAR SERIES

Who Should Attend: Managers and supervisors of all areas of the utility, including engineering, operations, finance, customer service, human resources, IT, and administration.

Overview: This webinar series will cover three vital areas of utility information that can create risks for your utility: identity theft, public disclosure, and records retention. You can register for each webinar separately or purchase all three at a discounted price. May 14 — *Identity Theft: When to Red Flag Suspicious Activity*; May 21 — *Public Disclosure: Your Privacy vs. the Public's Right to Know*; May 28 — *Records Retention: What to Stow and What to Throw*.

MAY 14-28 2015 — ONLINE PRESENTATIONS

NEW! ONLINE — IDENTITY THEFT: WHEN TO RED FLAG SUSPICIOUS ACTIVITY

Who Should Attend: Managers and supervisors of all areas of the utility, including engineering, operations, finance, customer service, human resources, IT, and administration.

Overview: Utility companies are considered an identity theft gateway. Areas of risk within utilities include information in company vehicles such as service orders and property access codes; establishing and servicing accounts; and casual conversations about customers in public. Join us for this informative program as we look at identity theft risks in the office and the field, when to red flag events, and how to respond to them.

MAY 14, 2015 — ONLINE PRESENTATION

NWPPA ANNUAL CONFERENCE AND MEMBERSHIP MEETING

Who Should Attend: Utility managers; assistant managers; senior staff; power supply managers; utility board and council members; associate members; and trade association heads.

Overview: Fast-moving changes in customer service, federal regulations, investments in distributive generation, changes facing our industry, and the changing workforce are all critical topics to our public power members. Our industry is in transition: coal is out; renewables and alternative fuel supplies are in; electric loads are flat; load factors are declining; and costs are rising. Are we on the right road, or could we be out positioned? For more information, see page 3.

MAY 17-20, 2015 — ANCHORAGE, ALASKA

PRE-CONFERENCE COURSE: ENTERPRISE RISK MANAGEMENT

Who Should Attend: Utility policy makers, such as board members, commissioners, and appointed or elected officials with utility oversight responsibilities.

Overview: Enterprise risk management (ERM) is the discipline of

examining the impact of potential financial, operational, regulatory, environmental, legal, safety, and reputation risks on an organization. In this course, policy makers will learn how ERM can help them provide more effective oversight and guidance. The instructor will review how ERM can be used as a decision-making tool and provide examples for how ERM has been used by some utilities; as well as review emerging trends and potential risks facing utilities today.

MAY 18, 2015 — ANCHORAGE, ALASKA

PRE-CONFERENCE COURSE: INTRODUCTION TO ROBERT'S RULES OF ORDER

Who Should Attend: Policymakers, general managers, clerks to the board, executive secretaries, administrative assistants, and any utility employee participating in board or commission meetings.

Overview: Robert's Rules of Order can be baffling and intimidating. People who know how to use it sometimes seem to employ the system as a weapon, not a tool to make meetings better; but it doesn't have to be that way. In this highly interactive and entertaining day-long class, attendees will learn essential principles and practice the tools and techniques to use Robert's Rules well in order to run smooth, efficient, and fair meetings.

MAY 18, 2015 — ANCHORAGE, ALASKA

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.

MAY 20-21 — PORTLAND, ORE.

NEW! ONLINE — PUBLIC DISCLOSURE: YOUR PRIVACY VS. THE PUBLIC'S RIGHT TO KNOW

Who Should Attend: Managers and supervisors of all areas of the utility, including engineering, operations, finance, customer service, human resources, IT, and administration.

Overview: Did you know that whatever you say can and may be used against you? Utilities are subject to public disclosure rules and regulations that require them to provide members of the public with certain records, documents, and information about their business and operations upon request; this can include your communications with others both inside and outside your organization.

MAY 21, 2015 — ONLINE PRESENTATION

NEW! ONLINE — RECORDS RETENTION: WHAT TO STOW AND WHAT TO THROW

Who Should Attend: Managers and supervisors of all areas of the utility, including engineering, operations, finance, customer service, human resources, IT, and administration.

Overview: Are you a paper hoarder or a round-filer? What should you document, how long should you keep it, and how do you dispose of it appropriately? Whatever your motivations or habits, the law requires utilities to maintain a host of documents and records for specific periods of time. Join us and learn how to balance your record retention requirements with your need to keep a tidy (if not empty) desk, filing system, and electronic data folder.

MAY 28, 2015 — ONLINE PRESENTATION

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 guyed 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 their 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.

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.

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

Continued on page 10

TRAINING OPPORTUNITIES

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.

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 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 Frontline 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 Frontline 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.

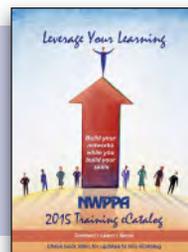
JUNE 23-24, 2015 — STEVENSON, WASH.

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 NWPPA



Find more information on these and other courses at www.nwppa.org.

by Terry Kelly

Keeping Salem Electric retirees in the loop



Retirees enjoy a buffet lunch at the Salem Electric office on October 27, 2014. Photo courtesy of Salem Electric.

As consumer-owned utilities, and in our case a cooperative, we all strive to do a good job communicating with our members. The annual NWPPA Excellence in Communications Awards is a good example of the pride we consumer-owned utilities take in our communication efforts. If we've done our job, and are lucky enough due to the high quality of the competition, we may walk away with an award or two at the awards ceremony.

Communication takes on many forms. Look at the numerous printed communication pieces that are in the lobby of each utility. We have websites and phone apps, and some have even jumped in to social media through Facebook and Twitter. We stay active in business, civic, and community organizations, and a lot of time is spent communicating with staff, or in more trendy terms, our team members or internal customers. However, one group that has been crucial to the organizations' success, yet is sometimes overlooked in our communication loop, is our retirees.

At Salem Electric a typical retiree has worked an average of 30 years at the cooperative. Retirees are the loyal, dedicated individuals who helped build our existing distribution system, created the policies we follow, and were committed to establishing our reputation in the community. They are our history and our historic knowledge.

In 1998, Salem Electric kicked off its Retiree Luncheon Program. Held twice annually in April and November, the program helps keep our retirees and their spouses informed

and involved in Salem Electric. The goal of the program is to not only introduce our retirees to new employees, but to keep them up to date on what is going on at the cooperative. A side benefit is that existing employees see the gratitude, respect, and appreciation given to those who helped contribute to the past success of Salem Electric. In turn, retirees have the opportunity to interact with those who are carrying on Salem Electric's legacy today. In some cases, surviving spouses of retirees continue to attend the luncheons. After all, they grew up alongside their husband or wife who worked at Salem Electric many years and have built relationships with other retirees and employees. While the lunches are officially scheduled from 11:30 a.m. to 1 p.m., we always have those who arrive early (or stay afterward) to walk through the office, visit with familiar faces, and meet those who are new at the co-op. Initially the lunches were held at local area restaurants, but having them at the co-op encourages and allows more interaction with staff members who don't attend the meetings.

While enjoying a catered lunch, the group gets reacquainted and then the program starts by going around the table and giving each retiree a few minutes to update the group on their recent travels and activities, and share information on their children and grandchildren. With a typical attendance of 20 or more, this portion of the agenda can easily last 30 minutes or longer. After the special guests

Continued on page 12

MARKETING & COMMUNICATION

conclude, each member of the management team provides a short (5 to 10 minutes) update on their area.

The engineering and operations manager reviews current construction projects, reports on equipment upgrades, and provides information on new regulations or procedural changes. The IT manager often talks about cyber security — offering suggestions or ideas on ways to keep the retirees' personal information safe — and also reports on the latest and greatest new electronic equipment or automated office process. Administrative services answers questions about insurance issues, and reports on new employment requirements or changes in office procedures. The member services manager talks about conservation program activities and new conservation products. The executive assistant and executive coordinator cover recent employee activities and fundraisers, inform the retirees of upcoming community events involving Salem Electric, and provide dates of company functions (parties, retirement events, etc.) that retirees can add to their calendars. Department managers also give updates on new hires, promotions, or other staff changes, and try to answer whatever questions retirees have about cooperative-related issues. As general manager, I like to provide updates on industry news, rates, and future projects. Any new Salem Electric promotional items are shared with the retirees so they have a little piece of Salem Electric to take home with them.

The Retiree Luncheon Program has been embraced and strongly supported by the retirees. At the end of each luncheon, staff asks whether or not the retirees continue to see value in the meetings. The overwhelming response has been a resounding "Yes!" Afterward, we provide a written sum-

mary of each luncheon to all staff members and to retirees who request it; it's been our experience that when a retiree misses a luncheon for one reason or another, someone from the group checks in with him or her.

I have always felt that retirees go away feeling appreciated for their past contributions and like they are still part of Salem Electric's future success — although in a very different role. I think we all know the value retirees brought to their work each day. If you've been in the industry a while you might remember the names Jere Overs and Bob Speckman — both past Salem Electric managers that I worked for. It's not uncommon for me to ask myself or others on the management team, "What would Jere do? How would Bob handle this situation?" Even with new technology, equipment, processes, and employees, the business of selling electricity (while keeping the five goals Salem Electric has long embraced: financial integrity, reliable service, good customer relations, good employee relations, and low rates) has a lot of similarities to yesteryear. While considering new ideas and adopting fresh perspectives, it is important to remember that we wouldn't be here without those who have come and gone before us. In fact, (just maybe) the retirees sitting with us around the table have already faced a similar situation or challenge that is facing the co-op today and (just maybe) their past solution could still be applicable today because, in some circumstances, history does bear repeating. *NWPPA*

Terry Kelly is the general manager for Salem Electric in Salem, Ore. He can be contacted at Kelly@salemelectric.com.

NORTH AMERICAN SUBSTATION SERVICES



STR is now the Pacific Northwest's Regional Operation Center for the largest independent Transformer Field Servicing Company in the United States:

(503) 654-7231 - 3701 NAEF ROAD - MILWAUKIE, OR 97267

WWW.SUBSTATIONFIX.COM - WWW.NASSUSA.COM

KHILL@NASSUSA.COM - STR-KEVINHILL@COMCAST.NET



Quality service, expertise, and reputation you've relied on, enhanced to include a network of skilled and experienced engineers, technicians, and staff offering more resources.

REGIONAL VICE PRESIDENT - KEVIN D. HILL - PH. 503-819-6787

REGIONAL OPERATIONS MANAGER - TONY DANG - PH. 503-708-0217

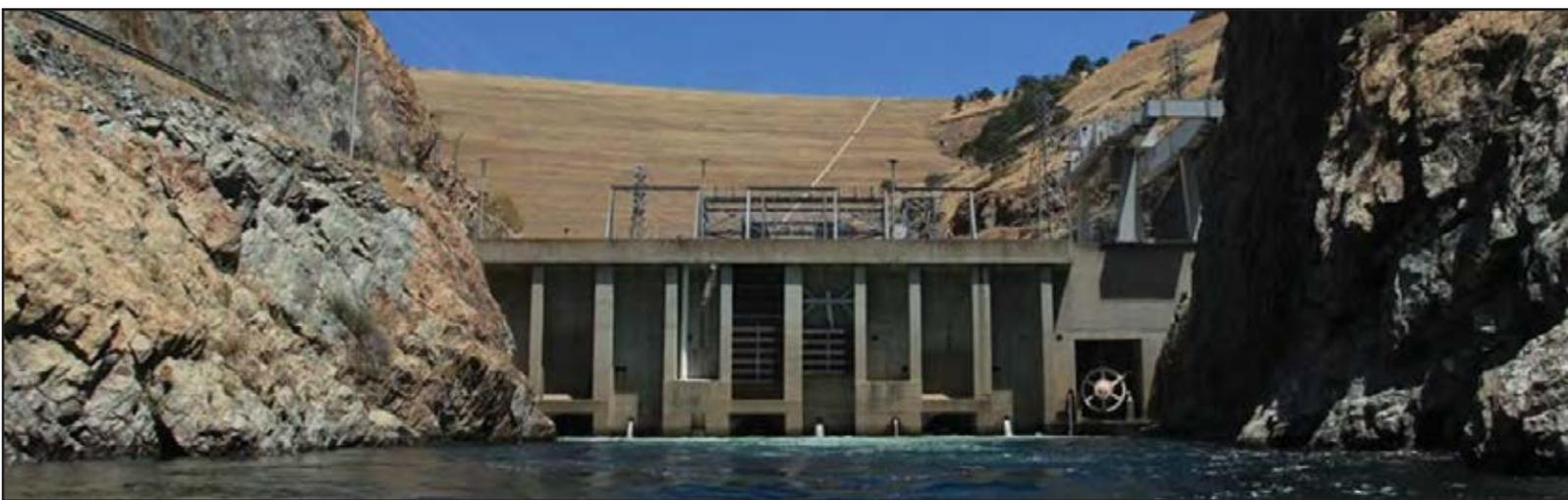


Transformers,
LTC's,
Regulators
& Reactors

Breakers,
Switchgear,
Relays
& Controls

by Samantha Wookey

MID and TID work together to relicense Don Pedro Project



The new Don Pedro Powerhouse has a generating capacity of 203 megawatts. Photo provided by Modesto Irrigation District.

Formed in 1887, the Modesto Irrigation District (MID) and the Turlock Irrigation District (TID) are the oldest irrigation districts in California. They were created by respective votes of the people in accordance with the laws of California to provide irrigation water for agricultural purposes in their irrigation service areas that today total approximately 300,000 acres of trees, vines, row, and forage crops.

Soon after formation, the Districts acquired a water diversion site on the Tuolumne River. Old Don Pedro, the original reservoir for MID and TID, was built in 1923 with approximately 290,400 acre-feet of storage, with an associated powerhouse to improve water availability in the Central Valley and to bring electricity to a portion of this rural area. The Districts have been providing retail electric service to farms, homes, municipalities, business, and industry since that time.

The Tuolumne River has a long history of water planning. Concern over the need to withstand the effects of multiple dry years and the growing demand for electricity resulted in the Districts partnering with the City and County of San Francisco (CCSF) to develop the current Don Pedro Project.

The New Don Pedro Project — dam, reservoir, and powerhouse — inundated the original dam and impoundment, and the resulting current Don Pedro Reservoir now has a storage capacity of 2,030,000 acre-feet, over seven times that of its predecessor; the new Don Pedro Powerhouse constructed with the dam has a generating capacity of 203 megawatts. Don Pedro offers a collection of benefits —

water storage; flood control; recreation; and clean, efficient, and affordable power — that continues to be of great value.

Planning for the enlarged Don Pedro began in the 1940s and culminated when the Districts received the federal license in 1966 from the Federal Power Commission, the predecessor to the Federal Energy Regulatory Commission (FERC).

The Districts' 50-year FERC license to operate the Don Pedro Project will expire in 2016. Since 2009, MID and TID have been undergoing the FERC relicensing process to obtain a new license. The FERC relicensing process involves a comprehensive analysis of the various benefits and impacts — environmental, economic, and recreational — of the Don Pedro Project and an evaluation on how the project will be operated in the future. Through this established relicensing process, FERC examines all uses of the water and the needs of the public.

The powerhouse is one of the areas that FERC is examining during the relicensing process. Hydroelectric power is a clean, sustainable resource that MID and TID generate at Don Pedro. During an average water year, MID generates 8 percent of its electric supply at the Don Pedro powerhouse and TID generates 10 percent; during a dry year, Don Pedro would only produce 4 percent for MID and 5 percent for TID.

While FERC issues the license, the license must include conditions issued by other federal and state agencies. Agencies such as the National Marine Fisheries Service, U.S. Fish and Wildlife Service, U.S. Bureau of Land Management, and the California State Water Resources Control Board have the statutory authority to impose rules that ensure that the

Continued on page 14

POWER SUPPLY & RATES

relicensed Don Pedro Project is fully compliant with laws such as the Clean Water Act and the Endangered Species Act.

The first year of the relicensing process was devoted to working closely with relicensing participants and FERC to develop detailed studies to be conducted by the Districts to support the license application. FERC issued its formal Study Plan Determination (SPD) on December 22, 2011. In the SPD, FERC directed the Districts to conduct 35 different studies to investigate the project's potential to affect resources in the lower Tuolumne River and those adjacent to the Don Pedro Reservoir. A majority of the studies were completed in 2012 and 2013, but a few studies continued into 2014 and are still ongoing.

Filing for a new license last year via a Final License Application (FLA) has been one of the biggest milestones thus far in the Don Pedro Project Relicensing process. The FLA contained a number of new proposed measures to protect the environment and promote recreational use of the Don Pedro Project area. The FLA may be modified in 2016 after completion of ongoing studies; at that time, the Districts may propose additional future protection, mitigation, and enhancement measures, including potential flow proposals.

The FERC relicensing of the Don Pedro Project is estimated to cost MID and TID more than \$50 million. Until a new license is issued, the Districts are continually keeping communities up to date on the relicensing process and expressing the importance of the Don Pedro Project. While MID and TID are responsible environmental stewards, reducing water resources to the degree that some relicensing participants have proposed will result in serious consequences for MID and TID irrigation and electric customers. Some significant impacts could include less water to deliver to the Districts' customers; less water to produce hydroelectric power at critical times — the clean, affordable Don Pedro hydropower would have to be replaced with more expensive power resources and this could impact electric rates; environmental impacts affecting the reservoir and downstream habitat; and reduced access to recreational benefits.

here for you **24/7** 365

Being available for your members round-the-clock has never been easier.

CRC
Cooperative Response Center, Inc.

contact-dispatch center | alarm monitoring
www.crc.coop | 800-892-1578 | info@crc.coop

f t in

MID and TID remain committed to actively engaging in the FERC relicensing process until a new license is issued. **NWPPA**

Samantha Wookey is a public affairs specialist at Modesto Irrigation District. She is one of several MID staff members coordinating FERC communications efforts with Turlock Irrigation District. She can be contacted at samantha.wookey@mid.org. For more information or updates on the FERC relicensing of the Don Pedro Project, visit www.donpedro-relicensing.com.

by Jim Robb

Risk-based compliance monitoring and enforcement in the Western Interconnection



In 2015, the members of NWPPA will see changes in the Compliance Monitoring and Enforcement Program (CMEP) administered by the Western Electricity Coordinating Council (WECC) concerning Bulk Power System reliability. WECC, the regional entity delegated Compliance Enforcement Authority by the Electric Reliability Organization (ERO), is

refocusing the CMEP with two significant objectives in mind: implementing risk-based concepts and reducing administrative burdens. This work builds on the success of similar efforts by WECC that established a strong foundation of improved compliance monitoring and enforcement over the last several years.

In this highly technical and complex industry, change is constant. As a technical regulator, WECC must be aware of the changes and find ways to focus efforts and resources to provide the reasonable assurance it owes the public. The most significant change for WECC is a focus on risk. Gathering and validating data, and conducting analysis are critical. In the enforcement arena, WECC is assessing risk to better allocate resources based on the reliability impact a possible violation may present. Another critical aspect of our regulatory duties is to consider the administrative burden in all of WECC's processes.

In 2014, WECC started exercising its discretion to not pursue violations through the formal enforcement process. Today, WECC is moving toward more discretion to economize resources and focus on the most severe threats to reliability. WECC has made significant progress in how possible violations are disposed of. From every possible violation being processed as a full Notice of Penalty (NOP), WECC has moved through what is now a suite of tools for processing: abbreviated NOP, spreadsheet NOP, and the Find, Fix, Track, and Report (FFT) approach. Specifically, WECC implemented the Administrative Citation Program in 2010 and 2011, paving the way for the FFT program in late 2011. Since 2011, WECC further refined its processes to ensure it did not take a one-size-fits-all approach to enforcement. For example, WECC created the Expedited Settlement Agreement to complement the FFT program.

Each entity must be considered in a stand-alone manner with due consideration given to the entity's system design, configuration, and business practices. It is the regulator's job to understand the entity. Early in the mandatory compliance regime, the ERO and WECC conducted check-the-box auditing and compliance monitoring, and had limited tools at its disposal. Today, WECC has more tools to ensure it treats each of an entity's issues and findings in a meaningful way.

Most utility members are typically audited every six years and are required to annually submit self-certifications for various standards; some are audited every three years. The audit experience that utilities had in the early years of the mandatory compliance regime has been evolving and will continue to mature. In 2014, WECC staff conducted several pilot projects to improve the CMEP. These pilot projects included working with registered entities on risk assessment, enhancing settlement processes, further refining WECC's Internal Compliance Program Assessments, implementing Compliance Exceptions (previously known as enforcement discretion), internal controls evaluation, and the transition of Critical Infrastructure Protection standards from version 3 to version 5.

While the pilot projects tended to focus on larger entities, WECC knows that many entities have limited resources and severe constraints on their budgets for reacting to changes rapidly. WECC will apply the lessons it has learned to how it assesses risks for all registered entities.

In some instances, smaller entities pose risks of different type and scale than larger entities. WECC will consider the magnitude of risk in making a risk-informed decision regarding WECC's Compliance Monitoring strategy for these entities. For example, based on an inherent risk assessment of all the entities due for an off-site audit, in 2015 WECC will conduct these audits as usual for some of the entities; however, for most entities otherwise due for the off-site audit, WECC will substitute the annual self-certification process combined with a focused validation of the self-certifications.

As part of its commitment to outreach and education, WECC will continue to share its analysis of reliability risks, industry best practices, and internal controls on risk mitigation, and share them with NWPPA member entities via NWPPA-sponsored meetings and discussions.

All entities can also be proactive and use the industry best practices, tools, and templates residing on WECC's website (www.wecc.biz) to improve their compliance programs. WECC encourages entities to review the Internal Compliance Program Assessment and use it as an exercise to self-identify areas where organizations may be strong and areas where they can improve. Furthermore, WECC's website has a host of checklists, user guides, tools, and other relevant documents. Most importantly, however, WECC has a highly competent staff available as a resource for entities. WECC welcomes discussions and any requests for information or clarification.

NWPPA

Jim Robb is the CEO of the Western Electricity Coordinating Council. He can be reached at jrobb@wecc.biz.

Energy Northwest launches public-power-focused Demand Response Pilot Project

Energy Northwest, the Bonneville Power Administration, and regional public power partners announced in late February the successful launch and activation of the Northwest's first-of-a-kind demand response pilot project led by public power, for the benefit of public power.

The Demand Response Pilot Project — first announced in a joint September 2014 news release by Energy Northwest and the Bonneville Power Administration (BPA) — will run from February 2015 through January 2016, with the potential to be extended a second year through January 2017. Under the agreement, Energy Northwest assembled the demand response resource from asset loads served by regional public utility partners and takes the role of the pilot's resource aggregator. In most areas, the role of resource aggregator is provided by a for-profit entity.

The Energy Northwest demand response resource offers up to 35 megawatts of reliable "fast reaction" demand response-capacity resource. BPA is evaluating the use of demand response for balancing reserves as well as the team's ability to supply such a resource.

Energy Northwest serves as pilot project aggregator

Energy Northwest is a joint operating agency comprised of 27 member public power utilities, including 22 public utility districts and five municipalities. Energy Northwest holds a unique position in the energy landscape of the Pacific Northwest as the region's only energy-focused joint operating agency; the owner of the region's sole nuclear energy facility; a producer of more than 1,300 megawatts of clean electricity from projects owned and/or operated by the agency; and an aggregator for a public-power-focused suite of innovative clean energy services and solutions.

As a joint operating agency, Energy Northwest partners with public utilities throughout the region to improve quality of life by providing consumers with affordable, reliable, and environmentally responsible electricity. Strategic services and projects like demand response are offered to support utilities seeking partners who understand public power, know the regional landscape, and have demonstrated success with generation projects and energy services.

What is demand response?

Demand response provides load-side management via a communication/control network that dispatches, or orders, participating heavy industrial, commercial, and residential

As a joint operating agency, Energy Northwest partners with public utilities throughout the region to improve quality of life by providing consumers with affordable, reliable, and environmentally responsible electricity.

loads to turn on or off in response to electrical grid conditions. Matching electricity generation to electricity load is a constantly moving target. Organizations responsible for performing this matching are known as balancing authorities. As a balancing authority, BPA must dispatch generation — on or off — to meet this moving load.

Variable generation resources such as wind and solar have increased in the region over the past 10 years, challenging BPA to deploy adequate capacity reserves to balance its regional system. In the past, BPA provided balancing reserve capacity largely with its hydro system. However, growing demands on the hydro system have limited its flexibility to provide those reserves. BPA is thus exploring alternative, third-party-supplied capacity sources, one of which is demand response.

Demand response in action

BPA meets balancing obligations in real-time. When contingency conditions require BPA system operators to activate reserve system balancing resources — including demand response — BPA operations generates a signal calling on demand response assets for an event.

Energy Northwest's Demand Response Aggregated Control System (DRACS) picks up the signal, acknowledges its receipt, and forwards the signal to multiple demand response assets. Upon receipt of the forwarded signal, each asset begins automatically to reduce its loads. The load changes must be complete within 10 minutes and sustained through the event, up to 90 minutes in duration.

During events, DRACS collects detailed metering information from each of the assets and reports total capacity response to BPA. Once an event ends, DRACS sends terminating signals to the assets who can then resume normal operations.

Pilot project successful in early tests

BPA called the pilot project's first real event, or activation of the demand response system, at 10:05 a.m., Tuesday, February 10. By 10:09 a.m. — minute four of the 10-minute response time allowed under the agreement — all three contracted assets had responded with a total capacity of 32 megawatts. The actual event started at 10:15 a.m. and proceeded to 11:45 a.m. when it timed out at 90 minutes, the maximum event duration.

“From receipt of the event notification through termination by the DRACS, each of our demand response assets performed beyond all expectations,” said Energy Northwest Generation Project Developer John Steigers. “We're very pleased with the system response to date.”

BPA has since called additional events, each of which has proceeded successfully through conclusion.

“We are still working on making sure that successful termination notices are sent to the DR team members,” explained Energy Northwest Professional Services Manager Leo Quiachon. “We can currently see the successful termination of each event through the interface, but it would be more convenient to receive an email notice, especially for events called during non-working hours.”

Benefits to the region

Over the long run, demand side resources have the potential to defer or displace the need for new generation in the region and make the best use of existing generation — resulting in overall cost savings to the region.

With early success under its belt, the pilot project also has the potential of growing past the current 35 megawatts.

Continued on page 18



Balancing the New Energy Horizon

A diverse mix of energy generated at Energy Northwest provides enough reliable, affordable and environmentally responsible power for more than one million homes.



www.energy-northwest.com



“BPA is interested in incorporating more demand response as an option for balancing generation and load,” explained John Wellschlagler, account executive, long-term sales for BPA. “While still early in the pilot, we’ve been extremely pleased with the crispness of Energy Northwest’s DR pilot project’s aggregated response.” **NWPPA**

John Steigers works on generation project development for Energy Northwest in Richland, Wash. He can be contacted at either (509) 377-4547 or jasteigers@energy-northwest.com.

Regional Demand Response Team

Bonneville Power Administration identified a need to evaluate an aggregated pilot-scale demand response resource and solicited proposals to encourage the development of innovative pilot programs. BPA provides oversight and, as the balancing authority “customer,” determines when the demand response system is activated.

Energy Northwest developed the innovative concept of an all-public-power demand response resource and recruited the pilot utility participants. Energy Northwest also developed DRACS, a comprehensive data gathering, monitoring, control, and communications infrastructure. Communication devices are installed by participating utilities to report to and receive direction from the DRACS via secure cloud-based data paths.

City of Richland has deployed a Demand Voltage Reduction (DVR) resource. The DVR provides for a small drop in delivered voltage throughout the City’s system, resulting in reduction in energy served to its loads. The load reduction is small as a percentage but significant due to the relatively large total loads the City serves.

Cowlitz County PUD serves the North Pacific Paper Corporation (NORPAC), a large pulp and paper manufacturing facility in Longview, Wash. NORPAC produces a variety of paper products and operates 36 large electric refiner-drive motors to reduce wood chips to fiber. NORPAC operating staff can remove some of these motors from service quickly and reliably for a short time during a demand response event without compromising paper production or quality.

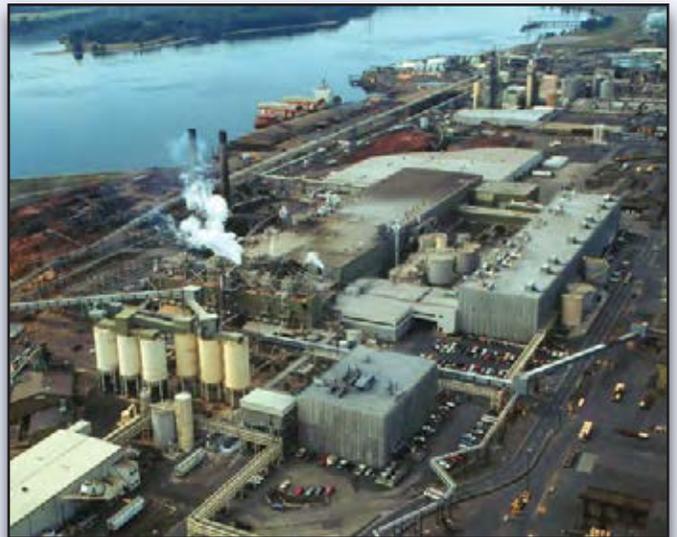
Pend Oreille County PUD serves Ponderay Newsprint Company (PNC), a large pulp and paper manufacturing facility in Usk, Wash. Similar in many respects to NORPAC, PNC can also remove large electric refiner-drive motors from service.

Powin Energy, an independent asset contributor, manufactures self-contained, portable energy storage systems (ESS) built around arrays of lithium-ion batteries. With integrated onboard communications and power electronics, the system can respond in seconds to remote signals to change charging and discharging rates to the grid. The portability and operating flexibility of the ESS lets it move as needed from utility to utility.

Eugene Water & Electric Board in Eugene, Ore., serves a variety of commercial and institutional loads, including municipal waste water treatment facilities, university campus building management controls, and gravel mining and processing.

Pacific Northwest National Laboratory serves as a valuable technical advisor and hosts DRACS within the Electricity Infrastructure Operations Center, a U.S. Department of Energy-funded incubator facility built and operated for such roles.

Note: The project team remains open for participation from additional regional public utilities.



Located in Cowlitz County PUD’s territory, the NORPAC mill operates 36 large electric refiner-drive motors to reduce wood chips to fiber. NORPAC operating staff can remove some of these motors from service quickly and reliably for a short time during a demand response event without compromising paper production or quality.

Robinson selected to lead Tacoma Power

A national search for candidates for the role of Tacoma Power (Wash.) superintendent has led to the selection of internal candidate **Chris Robinson**. Pending confirmation by the Public Utility Board, Robinson will take the helm as chief operating officer on May 1. He currently serves as the utility's Power Management manager.



"We had the fortunate but challenging task of choosing between several highly qualified, seasoned executives within and outside the organization for the superintendent position," said **Bill Gaines**, Tacoma Public Utilities director/CEO. "Although it was a tough decision, I'm confident we made the right one."

Appointment of the Tacoma Power superintendent requires confirmation by Tacoma's Public Utility Board, which voted on Robinson's appointment at its March 25 meeting.

Robinson began his career with Tacoma Power in 2001. As power manager, he oversees the planning and management of the utility's power supply portfolio, which includes Tacoma Power's three hydroelectric projects and a \$125 million/year power purchase contract with the Bonneville Power Administration. He is responsible for planning the utility's future power supply needs; balancing customer loads with energy supply; marketing and trading approximately \$50 million of power on the wholesale market each year; and managing the utility's energy conservation programs. Prior to his time at Tacoma Power, Robinson spent six years as a utility industry consultant.

Robinson will succeed **Ted Coates**, who has served as Tacoma Power's superintendent since 2009 and will retire on May 1. **NWPPA**

Grays Harbor exceeding energy targets

A report by the Washington state auditor shows that the Grays Harbor Public Utility District (Aberdeen, Wash.) is exceeding its goals for complying with the energy conservation standards required under Initiative 937, the Energy Independence Act (EIA).

In the Exit Conference Report delivered by the state auditor, the PUD was found to have exceeded its two-year target for energy conservation. The PUD had set a conservation target of 19,009 megawatt-hours for 2012-2013. The exit report states that the PUD conserved 19,884 megawatt-hours during that two-year period.

"Congratulations to our Energy Services and Power Management staff," said PUD Power Manager **Melinda James-Saffron**. "Through their hard work, the Grays Harbor PUD is exceeding the high standards set by the state and by ourselves and is ensuring that the energy services the PUD provides to its customers is being used responsibly and efficiently."

The PUD Energy Services Office works with both residential and non-residential customers to meet the standards set under the EIA. This includes offering home and business energy audits and rebates for the purchase of energy-efficient appliances, and home and business weatherization work. **NWPPA**

New lineman joins Fall River

Fall River Electric (Ashton, Idaho) recently welcomed new journeyman lineman **Treton (TJ) Drake** to the team. Drake comes to Fall River from Powder River Energy in Gillette, Wyo., where he worked as a lineman for five years. Originally from the Rigby, Idaho, area, Drake comes from a family of linemen. His grandfather, father, brother, and two brothers-in-law either have been, or are, linemen.



Fall River Manager of Operations **Trent Yancey** said, "TJ will be working primarily in the Island Park area, and will be taking the balance of the winter season patrolling lines and doing damage assessments, which will provide him with a good working knowledge of our lines and systems in that area."

Drake enjoys fishing, hunting, and riding ATVs in his spare time. **NWPPA**

PCWA approves historical PG&E agreement

The Placer County Water Agency (Auburn, Calif.) Board of Directors unanimously approved a water supply agreement between PCWA and Pacific Gas and Electric Company (PG&E) at its board meeting on February 19, 2015. The new agreement will ensure continued reliable water delivery to the people of western Placer County for the next 30 years.

"This agreement provides a strong foundation for moving forward and working in partnership with PG&E," **Primo Santini**, chairman of the PCWA Board of Directors said.

Under the new water supply agreement the price of water is unchanged at \$40 per acre-foot in 2015 and will be

Continued on page 20

adjusted annually based on the Consumer Price Index thereafter; there are no longer any practical restrictions on the place of use for PG&E water within western Placer County; PCWA retains the right to construct two new points of delivery; PCWA will have the right to construct a new permanent pump station at Rock Creek reservoir; and PCWA will have the right to use PG&E's South Canal when needed during outages.

The agreement replaces a 1968 agreement originally set to expire in 2013 but since extended. Renegotiations of the agreement have been in process since July 2012. The board also approved a letter agreement with PG&E pertaining to PG&E's filing with the California Public Utilities Commission for approval of the water supply agreement. **NWPPA**

Davis reaches 25 years at Okanogan PUD

Over 25 years ago, on February 26, 1990, Marla Davis began her career with the Okanogan PUD (Okanogan, Wash.) as a draftsman. In April 1999, she progressed into the distribution engineering position, a position she held for nearly seven years. In January 2006, she moved into the GIS technician spot, the position she still holds today. Congratulations on reaching the 25-year mark at Okanogan! **NWPPA**



SMUD's CEO sets executive team

Sacramento Municipal Utility District (Calif.) CEO and General Manager Arlen Orchard has announced several executive appointments and changes in the electric utility's organizational structure. Orchard named Frankie McDermott to serve as chief generation and grid assets officer; Nicole Howard to serve as chief customer officer; Paul Lau as chief grid strategy and operations officer; and Gary King as chief workforce officer.

McDermott leaves his post as chief customer officer, which Howard now assumes moving from her position as director of customer services. Lau moves from his position as assistant general manager of power supply and grid operations. King will focus on workplace issues including employee attraction and retention, employee safety, and oversight of SMUD's enterprise services business units.

Orchard also created a chief information officer (CIO) position to oversee all of SMUD's information security and information technology aspects. A national executive search firm has been tasked with finding prospective candidates for the CIO position.

The realignment is designed to better enable SMUD to meet new realities in the utility industry. "The utility business model continues to evolve into one that recognizes and

takes advantages of new technologies that will benefit our community, such as distributed generation and demand response," said Orchard. "The changes will better position SMUD to meet those challenges and deliver what our customers will demand in the future." **NWPPA**

Lugar replaces Hursh as interim GM

At its March 17 meeting, the Columbia River People's Utility District (St. Helens, Ore.) Board of Directors appointed Rick Lugar to be interim general manager, replacing Steve Hursh.

"We provide exemplary customer service at this utility," Lugar told employees during the Wednesday morning announcement of his appointment. "It's my hope that you will continue to make positive changes for our customers, both at work and in our community."

Lugar served as the PUD's finance and customer services manager from 1986 through 2013, and returned to the PUD last month in the role of customer services manager. He holds a bachelor's degree in accounting from the University of Washington.

Lugar has previously served on the board of directors and as an officer for the St. Helens Community Federal Credit Union, Community Action Team, and Columbia County Rotary Club, along with several other local volunteer organizations.

Hursh will return to his role as engineering and operations manager for the PUD, a post he has held since February 2003.

Board Vice President Jake Carter thanked Hursh for his service. "I want to thank you personally, Steve, for the hard work you have put in as our general manager over the past three months. I know it has been a lot of work, and I appreciate your efforts," said Carter. **NWPPA**

Nies selected as new Franklin PUD GM

The Franklin PUD (Pasco, Wash.) Board of Commissioners has selected Tim Nies as the next general manager of the utility. State law requires the selection be formalized over two separate regular meetings. At the board meeting on March 10, the commissioners introduced the resolution naming Nies as general manager; they formally adopted the resolution at the regular board meeting on March 24. The appointment will be effective on May 4.

Franklin PUD received 17 applications from candidates across the Northwest. After thoroughly reviewing and analyzing the qualifications of all individuals, the final selection was Nies.



Nies is currently director of administrative services and auditor for Franklin PUD, as well as a certified public accountant. He has worked in the accounting and finance industry for 22 years. His role at Franklin PUD over the past 11 years includes management of the Accounting, Information Technology, Broadband, Customer Service, and Meter Reading departments. His background includes public accounting and audit experience examining financial statements for a variety of municipal corporations.

Nies has been involved in the community serving on several not-for-profit boards and is a member of the Tri-Cities Sunrise Rotary Club. **NWPPA**

Chelan campaign wins awards

Chelan County PUD's (Wenatchee, Wash.) continuing campaign to encourage customers to use energy-efficiency rebates was recognized for excellence with two awards from a regional organization of public relations professionals.

The Conservation Department won a Totem award and the President's Choice award presented by the Puget Sound Chapter of the Public Relations Society of America (PRSA) as judged by public relations professionals from the Los Angeles PRSA Chapter. The Totem award honors the best entry in each of several categories. Chelan PUD's award was in the category of Community Relations; the utility won with its 2014 campaign, "Saving Energy is No Joke." The PUD also won a Totem award last year for the 2013 campaign, "Conservation Makes Cents."

The President's Choice award is one of three awards given by the chapter for outstanding public relations work. Last year's President's Choice award went to national recreational equipment retailer REI.

"We're honored to be selected, especially when being considered with this caliber of contest entries," said **Susan Gillin**, Conservation program administrator. "Conservation programs help customers increase comfort and save money on their utility bills. It's a great value." **NWPPA**

Vigilante announces changes to board, staff

On March 6, Vigilante Electric Cooperative (Dillon, Mont.) held its 77th Annual Meeting; for **Don Jones**, it would be his last. After 54 years, Jones stepped down from the Vigilante Electric Board of Trustees. His tenure

includes working with all five manager's that have guided the organization, 30 years on the Montana Electric Cooperatives' Association (MECA) Board, and 11 years on its executive committee.

In 1992, Jones received MECA's Hard Riding Award for demonstrating exceptional character and perseverance amidst extraordinary difficulties. In 2011, he received the Cooperative Spirit Award for embodying the highest principles of cooperation; promoting through daily example the cooperative ideal; and championing the ideal of harmony and solidarity among cooperatives. His leadership and guidance will be missed by the cooperative.

Vigilante Electric announced that **Cheyenne Garrison** has been elected to succeed Jones as trustee of District #5. Garrison and her family ranch near Glen, Mont. She has an animal science degree and formerly worked for the Montana Stock Growers Association.

After the Annual Meeting adjourned, the board of trustees held a reorganizational meeting to elect officers. After brief discussions, **Dean Hanson** was elected as board president, **Allen Martinell** as vice president, and **Sharon Lasich** retained her role of secretary/treasurer.

One last change to announce is that Office Manager **Ralph Dreyer** is retiring from the cooperative after 27 years. The cooperative would like to thank him for his years of faithful service and wish him the best in retirement. With his departure, **Raquel Reno-Morast** has been promoted to office manager. **NWPPA**

Wanapum Reservoir begins final refill

After a year of research, construction, and collaboration, repairs to the Wanapum Spillway have reached a point that allows Grant PUD (Ephrata, Wash.) to refill the reservoir behind Wanapum Dam back to normal levels.

The refill began on March 16, and depending on river flows, the utility expected it to be at normal river levels within 7 to 14 days. This was the last major milestone for this project and the reservoir is anticipated to be fully restored and functional to pre-existing conditions for public access and utilization.

All Grant PUD boat launches and shorelines, with the exception of those areas under construction, will reopen to the public ahead of schedule.

This final refill marks an end to the drawdown, which began back in late February 2014 when the reservoir behind Wanapum Dam was lowered in response to a fracture found on the dam's spillway.

"I want to thank our customers for their support and patience during one of the greatest challenges we have faced as a utility," said General Manager **Tony Webb**. **NWPPA**



Susan Gillin, Chelan PUD's Conservation program administrator, is proud of the utility's two latest PSRA awards.

Bruening joins Aclara as new CFO

Aclara Technologies LLC, a leading provider of smart infrastructure technologies and software solutions to the utility industry, has hired **Kurt Bruening** to be chief financial officer, senior vice president of finance, accounting, information technology, and legal functions.

Bruening has an extensive leadership background with more than 17 years of experience in corporate finance; accounting; capital markets; treasury; mergers and acquisitions; risk management; public reporting; financial planning and analysis; operations finance; and private equity transactions.

Most recently, he was vice president of finance and treasury, responsible for all aspects of corporate finance at Foresight Energy LP. Previously, Bruening was vice president and treasurer at MEMC Electronic Materials, where he led global finance, treasury, credit, and global capital planning and analysis.

“Kurt brings a wealth of expertise leading and managing financial functions in large and growing businesses,” said **Allan Connolly**, president and chief executive officer at Aclara. “His knowledge and experience will provide financial and strategic leadership to expand our customer base and develop smart infrastructure solutions that add intelligence to areas of utility distribution networks that are now dark.”

Bruening holds an M.B.A. from St. Louis University, and a Bachelor of Science in business administration from the University of Missouri in St. Louis.

Aclara Technologies LLC is a world-class supplier of smart infrastructure technologies to water, gas, and electric utilities globally. Visit them at www.Aclara.com and follow them on Twitter @AclaraSolutions. **NWPPA**

NEEA announces its 2014–15 board

On February 23, the Northwest Energy Efficiency Alliance (NEEA) announced its 2014-15 board of directors. The NEEA Board of Directors has elected **Greg Delwiche**, deputy administrator of Bonneville Power Administration, to serve as board chair.

In 2014, NEEA's Board changed its bylaws, expanding to include a representative from each of NEEA's funders; adding two governor-recommended seats to represent all four Northwest states; and extending the terms of officers and the public interest representative.

NEEA's board approved these changes to increase state and funder representation, as well as to promote transparency, continuity, and effectiveness. The governance changes reflect feedback that NEEA received during its 2015-2019 Business Plan stakeholder outreach process.

In addition, the board welcomed several new members to replace those whose terms were expiring. Incoming 2014-15



NEEA Board members include **Kevin Christie**, vice president for Customer Solutions, Avista Utilities; **Andrew Grassell**, manager, Energy Development and Conservation, Chelan Public Utility District; **Tom Karier**, Washington governor's representative, council member, Northwest Power and Conservation Council; **Garrett Martin**, Montana governor's representative, Energy Planning & Renewables, Montana Department of Environmental Quality; and **Mike McClenahan**, director, Power Management, Grant County Public Utility District.

Other members currently serving on NEEA's Board include **Jeff Bumgarner**, PacifiCorp; **John Chatburn**, Idaho Governor's Office of Energy Resources; **Theresa Drake**, Idaho Power; **Jason Eisdorfer**, Oregon Public Utility Commission; **John Francisco**, Inland Power; **Margie Harris**, Energy Trust of Oregon; **Bob Jenks**, Citizens' Utility Board of Oregon (CUB); **Michael D. Jones**, Seattle City Light; **Pat McGary**, Clark Public Utilities; **Don McMaster**, Cowlitz County Public Utility District; **Chris Robinson**, Tacoma Power; **Bob Stolarski**, Puget Sound Energy; **Jim West**, Snohomish Public Utility District; and **Deb Young**, NorthWestern Energy.

Northwest Energy Efficiency Alliance (NEEA) is an alliance of more than 140 utilities and energy efficiency organizations working on behalf of more than 13 million energy consumers. NEEA is dedicated to accelerating both electric and gas energy efficiency, leveraging its regional partnerships to advance the adoption of energy-efficient products, services, and practices. For more information, visit www.neea.org.

NWPPA

Piper Jaffray expands debt capital markets team

Piper Jaffray, a leading investment bank and asset management firm, is pleased to announce that senior bankers **Len Sheer**, **Amrit Agrawal**, and **Bob Lauria** joined the Piper Jaffray debt capital markets group to help lead the expansion of the firm's debt capabilities. They each bring a strong track record for providing creative and market-leading debt advisory and fundraising services to middle-market clients.

Sheer will assume the role of global head of debt capital markets, joining **James Chiarelli** who will serve as co-head of debt capital markets. Agrawal and Lauria will fill out the senior team as head of debt private placements and principal, respectively. Sheer, Agrawal, and Lauria will be based in the firm's New York office, while Chiarelli will continue to be based in the firm's Chicago office.

“Len, Amrit, and Bob together with James will be highly valuable advisors to both our corporate and private equity clients and their experience complements the firm's deep industry and full-service product expertise,” said **Ted Christianson**, head of the Piper Jaffray capital advisory group. “We look forward to accelerating our already fast-growing DCM and broader capital advisory (debt restructuring and private placement) platform into the next phase of growth.”

Piper Jaffray Companies (NYSE: PJC) is an investment bank and asset management firm headquartered in Minneapolis with offices across the U.S. and in London, Hong Kong, and Zurich. For more information, visit www.piperjaffray.com. **NWPPA**

McLaren releases Toshiba surge arresters

McLaren Inc. has a new addition to their Toshiba T&D product line: station class surge arresters. Toshiba's arresters have a low environmental impact thanks to the use of silicone rubber in lieu of porcelain. Because the arresters are lightweight, both transportation and installation costs are reduced. The silicone rubber remains hydrophobic through its life ensuring self-cleansing of surface contaminants which reduces the possibility of external flash over.

Toshiba's arresters have a structure in which the internal section is stacked with ZnO elements and directly over molded by the silicone rubber. In the event of failure, internal pressure is relieved by splitting the rubber, preventing internal parts from being expelled, increasing safety, and decreasing the chance of damaging surrounding equipment.

Toshiba polymer surge arrester advantages include long-life performance (self-cleaning hydrophobic housing); safer short circuit performance; easy installation (lightweight and physically smaller than equivalent porcelain arresters); superior resistance to contamination in high pollution and coastal environments; and designed and tested to ANSI/IEEE standards.

Toshiba Corporation has more than 100 years of experience manufacturing surge arresters.

McLaren Inc. is a manufacturers' representative that has been serving the Pacific Northwest for almost 55 years with its main office in Kirkland, Wash., and branch offices in Spokane, Portland, and Salt Lake City. For more information, call (425) 827-9400 or email vperic@mcclareninc.com. **NWPPA**

Belize Electricity selects Varasset software

Belize Electricity Limited (BEL) has selected Varasset enterprise software for managing capital construction work and asset maintenance.

BEL's rapidly growing customer base and increasing demand for power require significant power system construction; therefore, BEL expects this expansion to continue for the foreseeable future. BEL determined that it was essential to improve construction project cost-control, productivity tracking, and long-term asset maintenance. They investigated an array of software solutions, comparing functionality, cost, ability to interface with existing systems, and proven successful implementations; they selected Varasset.

BEL will use Varasset to manage distribution work activities, asset management, and project cost tracking, including line extensions/maintenance, system improvements vegetation management (significant due to rainforest growth), and accounts payable for contractor work. Varasset will interface with BEL's existing ESRI and other internal systems, automating and streamlining work processes.

Implemented in electric, cable, and telco utilities across the U.S., Varasset adapts to each utility's unique business processes. Core Varasset functionality includes asset management; work management; mobile work/inspections; integrated ESRI mapping; specialty billing; and business intelligence and data analysis. For more information, please visit www.varasset.com.

NWPPA

TDR2010 released by Megger

Megger, one of the world's leading manufacturers and suppliers of test equipment and measuring instruments for electrical power applications, now offers the TDR2010, a dual channel, high-resolution time domain reflectometer (TDR) for locating faults on all metallic cables, including twisted pair wires and coax cables.



This new TDR features a large (800 x 400 pixels), extra high-resolution (to 0.1 m), backlit, WVGA color LCD display with user definable tones. These features give the graphic display a vibrancy that helps the user identify key events on the trace. The unit's directional control buttons and soft keys provide easy operation.

Ideal for use by electrical service contractors, telecommunications technicians, as well as cable television companies, the compact TDR2010 includes an auto set-up mode that enables the unit to be used instantaneously.

The auto set-up also helps determine the impedance of the cable under test, sets the unit accordingly, and selects the optimum gain and pulse width. If necessary, the auto function can be manually overridden, allowing the user to fine tune the test and identify hard-to-determine faults.

Megger's TDR2010 offers full flexibility with its dual trace and dual cursor capabilities, giving the operator full control and instant notification of distance between two points.

Megger is one of the world's leading manufacturers and suppliers of test and measurement equipment used within the electric power, building wiring, and telecommunication industries. For more information, visit www.megger.com. **NWPPA**

by Nicole Case

NWPPA's proposed resolutions for 2015 reflect recent federal action on regulatory fronts



At its March committee meeting in Sacramento, Calif., NWPPA's Government Relations Committee recommended 14 resolutions for membership adoption at the NWPPA Annual Business Meeting in May. The process to consider and present resolutions for a vote by the government relations committee began in the fall of 2014 when a resolutions committee (ResCom) was formed

and members were called upon to submit resolutions for consideration by the committee.

Additional calls for resolutions were made in late 2014, and again in January and February 2015. As a result of those calls, the ResCom considered four existing resolutions that were revised to reflect new developments and one new resolution. The remaining nine resolutions are existing 2014 resolutions that received little-to-no changes.

Recent federal regulatory action prompts revisions to existing resolutions

Controversial proposals by the federal government to regulate greenhouse gas (GHG) emission by the electric sector and to increase the scope of lands that would fall under the Endangered Species Act (ESA) prompted member-suggested changes to our existing resolutions. In addition, favorable rules set by the Commodity Futures Trading Commission (CFTC) on utility operations-related swaps and regional changes to energy imbalance markets (EIM) resulted in changes to existing regulations on those topics.

Resolution 2015-12: Greenhouse Gas Regulation of the Electric Sector

In response to the Environmental Protection Agency's (EPA) proposal to mandate the regulation of GHG emission from power plants, NWPPA dusted off an archived climate change resolution from 2011 and updated it to reflect membership positions on the EPA's proposal. Changes to the archived resolution included acknowledgement that utilities will be addressing GHG emissions in federal regulation; we have little choice in the matter since President Obama intends to see this rule finalized later this year.

Additional changes reflect NWPPA comments submitted last fall on the EPA's proposal urging Congress to champion credit for early action and electrification of the transportation sector, the mitigation of reliability impacts, and the cost impact to consumers. NWPPA also advocates for flexibility to meet any GHG-reduction targets and oppose mandates that force the acquisition of energy resources not needed to meet load growth.

Resolution 2015-11: Urging Agencies to Consider the Economic Impacts on Utilities When Enforcing Wildlife Laws and Regulations, or the ESA Resolution

NWPPA significantly expanded this resolution to address situations where utilities and states work together on habitat conservation plans (HCP) to aid species like threatened and endangered Columbia River salmon and the greater sage-grouse. NWPPA supports the use of HCPs and believes in the "no-surprises" policy: once an HCP is approved, properties under the HCP should not be subject to additional regulations. Other long-term commitments should also be included within the "no-surprises" policy.

A recent proposal to increase the scope of lands that would be subject to ESA regulation also informed changes to the resolution. The proposal to redefine critical habitat and adverse modification under the ESA would allow federal agencies broad discretion to regulate lands, including allowing agencies to regulate development and activities on lands that could be used by threatened or endangered species at a future point. NWPPA opposes this proposal.

Resolution 2015-13: Regulation of Utility Operations-Related Swaps

Last year, NWPPA supported efforts by the public power community to modify a CFTC rule that restricted the ability of the public power community to use swaps to manage commercial risk. Those efforts paid off with a September 2014 Order by the CFTC granting public power's petition for relief. Modifications to NWPPA's existing resolution reflect these changes and continue to support legislation by Rep. Doug LaMalfa (R-Calif.) to cement this relief in legislation.

Resolution 2015-10: Energy Imbalance Market

This regional issue has undergone change in the last year and the new resolution reflects those changes. Most importantly, NWPPA recognizes the work of the Northwest Power Pool to explore ways to manage the integration of intermittent resources in a way that minimizes costs. NWPPA also understands that the California Independent System Operator has implemented an energy imbalance market (EIM), but remains concerned that this effort will adversely impact public power and its consumers. NWPPA seeks to prevent any solution to this problem that increases federal regulation over public power or leads to the formation of an independent system operator.

Resolution 2015-14: Support for the Rural Utility Service

The Rural Utility Service (RUS) is a federal program administered by the U.S. Department of Agriculture to

support infrastructure and infrastructure improvements in rural communities. NWPPA has supported the RUS in the past.

In this resolution, NWPPA supports the RUS and its mission of enabling the building and maintaining of essential electric infrastructure through the Electric Loan Program. In the resolution, NWPPA urges Congress to provide sufficient RUS loan levels and lending for a full complement of generation, transmission, and distribution projects.

Existing 2014 resolutions to be presented for membership consideration and re-adoption at Annual Business Meeting

The remaining resolutions approved and recommended for membership adoption by the GRC include:

- 2015-01 Energy Efficiency
- 2015-02 Hydropower as a Renewable Resource
- 2015-03 Protecting the Bulk Electric System from Cyber and Physical Attacks

- 2015-04 Reliability Standards and Enforcement Reform
- 2015-05 Integration of Variable Energy Resources
- 2015-06 Opposition to Changing the Role and Rates of the Power Marketing Administrations
- 2015-07 Economic Impacts on Rural Utilities when Developing New Environmental Regulations
- 2015-08 Support for Tax-Exempt Financing
- 2015-09 In Support of Equitable Distributed Generation Policies

Proposed 2015 resolutions can be viewed on NWPPA's website (www.nwppa.org) under the Government Relations tab on the left-hand side of the page. All resolutions will be presented at the Annual Business Meeting on May 19 in Anchorage, Alaska. Come join NWPPA for the full Annual Meeting in Anchorage, May 17-20, and help us celebrate our 75 years of service to the public power industry. **NWPPA**

Nicole Case is NWPPA's legislative consultant. She can be contacted at nicole@nwppa.org.

Wagner
Smith

Get All The Lineman Tools & Equipment You Need ... Online!

wagnersmithequipment.com

- Everything you need for powerline and telecommunications line work
- Over 1000 high quality lineman tools and products
- Heavy-duty stringing blocks
- Most in stock and ready for fast delivery
- Backed by 85 years of industry experience



NOW BUY OR RENT POWERLINE CONSTRUCTION EQUIPMENT ONLINE!

wagnersmithequipment.com

19020B S.W. Cipole Rd., • Tualatin, OR 97062
800-444-7064 Fax : (503) 692-0474

E-mail: sales@wagnersmithequipment.com



Burleson, TX
Dayton, OH
Tualatin, OR
Lawrenceville, IL
Sanford, FL
Phoenix, AZ
Ontario, CA

by Brenda Dunn

Appreciating our linemen, the super heroes of the utility industry

In 2013, the U.S. Senate passed a resolution designating April 18 as National Lineman Appreciation Day. This acknowledgement brought linemen into the spotlight and taught the masses something that utility professionals already know — linemen rock! Yes, there is no doubt that all of our careers within this industry play an important role — whether it be communications or accounting or customer service or engineering — but really, how many of us non-linemen go to work every day prepared to climb a 40-foot pole, or handle energized power lines, or brave an ice storm to restore power for his or her community? And as if that isn't tough enough, they often go above and beyond to help their fellow team members, members of their community, or even a stranger in distress.

And the communities do notice. Just last month, the Hancock-Wood Electric Cooperative in Ohio started a "Thank a Lineman" campaign. The utility asked members to submit tributes describing how a lineman has come through for them. Over 25 members sent in tributes, and a Colorado cooperative requested permission to duplicate the campaign for their territory. And of course, the industry presents accolades throughout the year, including NWPPA's annual safety awards given to the utility with the lowest incident and severity rates.

Utilities and their employees take safety seriously. OSHA mandates a lot of it, but above-and-beyond safety programs are becoming commonplace at many utilities. (For an example, see the sidebar on page 30 about EPUD's new safety programs.) Perhaps because they are out in the field, linemen seem to most often find themselves in circumstances that require them to dust off their safety training and put it to use. The Association often receives news releases or phone calls about these heroic, safety-conscious men and women; to acknowledge these employees, NWPPA began awarding two new safety-related awards (the Safety Heroism Award and the Career Commitment to Safety Award) at the 2013 E&O Conference.

In this issue of the *Bulletin*, NWPPA would like to recognize a few of the unsung heroes in the industry. These men and women have gone above and beyond to save lives within the last year or so, some on the job, several on their own free time. Because April honors linemen, we have chosen to highlight that field. Although we received stories about individuals in other professions and would love to highlight everyone, space constraints require us to limit the number of the stories. So whether you or your utility is mentioned below or not, know that you are appreciated for everything you do for the industry!



April 18, 2015



The Matanuska Electric Association crew used their skills and supplies to rescue a pilot out of 70-foot-tall trees in Wasilla, Alaska.

Quick thinking

NWPPA 2015 Safety Heroism Award winner

After the 58-year-old pilot of a small plane was blown off course during takeoff, he crash landed into 70-foot-tall trees just outside of Wasilla, Alaska, on May 5, 2014. The tail of the plane was resting on a small tree, leaving the plane and its pilot suspended in the trees and unstable through the high winds. A Matanuska Electric Association (MEA) line crew was called to the scene after authorities were left puzzled on how to safely secure the plane and rescue the pilot.

MEA Director of Operations Eddie Taunton put the plan into motion, making crews and equipment available for the rescue, and continuously interfacing with the fire and police departments while overseeing the operation. MEA Linemen Tony Hardwick, Glenn Durkee, and David Roby arrived on the scene with their bucket truck and were able to stabilize the plane by attaching a lift strap to the tail section and tying that off to the trunk of one of the other trees. The crew hooked the pilot into a safety harness and slowly helped him down into the bucket.

“He gave us both a hug, and he was still shaking,” said Roby.

“People are having a hard time believing it, but I am glad I have a few pictures from my phone,” Durkee added.

The quick thinking of the line crew and Safety Manager Steve Willis resulted in a happy ending for one of the state’s many pilots.

Right place at the right time

Ravalli Electric Cooperative (REC) Lineman Steve Tintzman was floating and fishing an especially high Bitterroot River in early April 2014; the water temperature at this time of year was only in the high 40s. While portaging around a diversion dam, he noticed a woman in a raft caught in the backwater. Her raft was full of water and she only had one oar.

Tintzman positioned his raft so he could throw the woman a rope. After she caught it and tied it to the raft, he was able to pull the woman’s raft out of the backwater and get her into his raft. She was hypothermic, so he gave her his jacket to start warming her up.

He then learned that the woman’s husband had fallen into the river and was swept downstream. Luckily he was able to get himself out of the river, but he was still very wet and very cold. Tintzman got the couple together and started a fire to warm them up before the trio continued down the river.

Once they reached the fishing access area where Tintzman was scheduled to end his trip, he put the couple in



Ravalli Lineman Steve Tintzman

his truck, turned the heater on high, gave them some extra clothes he carried in the vehicle, and poured them coffee from his Thermos. The couple is thankful that Tintzman was in the right place at the right time, and knew just what to do.

Helping one of your own

Heroic acts are not always packaged individually. Sometimes, heroic acts are a collective group effort and this was the case last summer at the Olympia Maintenance District of the Bonneville Power Administration.

During tower construction work, a lineman working near the top of a tower fell 55 feet. Fortunately the safety lanyard worn by the lineman became entangled in the steel lacing and stopped his drop 15 feet from the ground.

Based on their safety training, the combination of line workers from the Olympia and Chehalis crews snapped into action. Linemen in the tower and on the ground immediately began an aerial rescue. Crew members on the ground readied the hand line used to lower the injured lineman. Other crew members took action in calling 911 and clearing the project site in anticipation of the arrival of an emergency vehicle. The injured lineman was lowered and on the ground in less than one minute.

Crew members worked with the fallen worker to assess the extent of the injuries and to take precautions for shock. It turns out that many bones were broken by the fall.

Kalispell District Operations and Maintenance Manager Mike McCracken noted the value and importance of a line crew that is well trained and works as a team: “The situation could have been much worse if it wasn’t for the training and skill of the Olympia and Chehalis crews. Everyone on the job-site played an important role in rescuing a crew member.”

Taking the initiative

Some linemen serve their community and save lives in a more subtle — yet in this case, arduous — manner. For example, when Central Lincoln PUD Lineman Greg Carter heard the shelves were bare at Reedsport’s food pantry due to gaps in funding, he knew he wanted to help.

The Great Recession really hurt families in Reedsport, a coastal community in Oregon, which now has a poverty rate of 23 percent. The local food pantry, Project Blessing, is sponsored by a coalition of many of the churches in Reedsport,



Central Lincoln PUD Lineman Greg Carter (R) and Rachel Carter.

Continued on page 28

including the church he attends. Carter loves to golf, and he and his wife, Rachel, came up with a unique idea: what if he were to golf 100 holes in one day with donors making pledges to Project Blessing if he succeeded? Fellow church members, friends, and fellow Central Lincoln employees responded by pledging either an amount per hole or a set amount.

On a Monday in June, Carter, having taking a vacation day to complete his feat, stepped onto the Reedsport Forest Hills Golf Course greens at 5:20 a.m. to begin his 100 holes. His wife accompanied him and also served as his caddy for the day. It took nearly 11.5 hours to play 100 holes. By 4:55 p.m. he had finished his quest.

“I didn’t feel it physically then, or the next day, but the third day, yeah, I definitely felt it!” he said.

Carter’s golfing marathon raised nearly \$3,000 to feed those in need. More than 100 people donated, and the average donation was \$25. Would he consider doing it again? “You bet!” he said enthusiastically. In fact, he’s already planning to return in June, possibly with his community college student/golfer friends, for another 100 holes in one day. Undoubtedly, Project Blessing donors are also looking forward to Golf Marathon II.

At a moment’s notice

It is hard for a lot of folks to fathom how difficult it is in Bush Alaska to get things done sometimes; George Hornberger manages INN Electric Cooperative in Southwest Alaska and knows this from first-hand experience.

“We cannot afford to have a lineman on staff so every time we have a problem on a pole or underground on our distribution system, I am calling on a fellow who lives about 200 miles away,” said Hornberger. “It should be noted that these



Lineman Don Henry assesses the spider web of wires after a cross arm fire on June 1, 2014, in Iliamna, Alaska.

are air miles. The only way in or out of Iliamna, Alaska, is by air.”

On June 1, 2014, Hornberger was awakened at about 1:30 in the morning by someone pounding on his front door. He answered the door and the person told him he better get out and look at something. The something was the cross arms of a power pole on fire up the road.

“I am not an electrician or a pole climber,” said Hornberger. “It is a very helpless feeling to stand under a power pole that is on fire 20 feet in the air and wonder what the hell I am going to do now.”

Thankfully he and INN’s members can rely on Don Henry, the lineman who lives 200 miles away. Henry answered his phone at 2:00 that morning and advised Hornberger how to shut off the power and then the fire. The fire was out, but now repairs needed to be made. So Henry got his gear together, drove the 40 miles to Anchorage, and got on the first available flight to Iliamna to get things fixed. By 6:00 that evening, the pole had new cross arms on the pole and the members were all back online.

“Don really is my hero,” said Hornberger. “He will answer his phone any time for me and travel out here into Bush Alaska at the drop of a hat and work in some extremely nasty conditions to help me out. This includes working on holidays if needed. What we deal with in Bush Alaska is unique and a lot of times it requires thinking way outside the box to get things done.”

800.557.0098 | www.golight.com



Revolutionary Lighting Solutions



Durable... Versatile... Powerful... GUARANTEED





Volunteering time and skills

When the horrific mudslide struck the community of Oso, Wash., linemen and other employees from Snohomish PUD were quick to volunteer their own time and skills. The March 2014 event engulfed 49 homes and led to 43 fatalities.

PUD Apprentice Lineman Chris Hale, who lives just a few minutes away from the site of the massive slide, helped maintain an access road for emergency crews.

“It was basically a war zone,” said Hale. “After a few days, it looked like a big logging operation — the locals were volunteering to do what they do best.”

The slide released millions of yards of mud, silt, and debris, which buried neighborhoods and Highway 530 in northern Snohomish County.

Hale was joined by PUD Arborist Paul Walsh and his son, John Walsh, a journeyman lineman who works in Pierce County, Wash. They were assigned to help FEMA crews as part of chainsaw



Snohomish PUD Lineman John Walsh, from Pierce County, Wash., joined his father, PUD Arborist Paul Walsh, and other PUD line workers to assist in the rescue and recovery work following the devastating Oso mudslide.

teams to cut through the devastating collection of debris.

As dogs pointed out an area in an uprooted house where victims might be, the team began sawing through rooftops in search of potential survivors. With mud as deep as 70 feet in places, the work was not only treacherous, but physically and emotionally exhausting.

“It was real emotional, because you never know what you’re going to find,” said Paul Walsh. “You try to just focus on what you’re doing and the job at hand. We just felt privileged to be able to help, glad that we could do something.”

Other PUD employees who volunteered at the Oso site included Entry Helper Jesse Schoneman, Energy Control Dispatcher Randy Wilkins, and Water Distribution Specialists Mark Price and Zach McKinney. **NWPPA**

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

IN THE ENERGY BUSINESS, ENVIRONMENT MATTERS

When it comes to the environmental regulation of the energy business, it pays to have a legal team that knows the facts, knows the law, and knows how to work with the agencies.

Cable Huston attorneys have long represented clients before state and federal regulatory bodies and resource agencies with respect to complex environmental matters. Our recent work experience ranges from hydroelectric relicensing issues to renewable generation permitting to discharge clean-up and liability actions.

We know how the environment matters to the energy industry. We know it like our own backyard.

To learn more about our capabilities, visit our website at www.cablehuston.com.

CABLE HUSTON

CABLE HUSTON BENEDICT HAAGENSEN & LLOYD LLP • ATTORNEYS

Suite 2000, 1001 SW Fifth Avenue, Portland, Oregon 97204-1136 • Phone: 503.224.3092 • Fax: 503.224.3176 • www.cablehuston.com

Emerald PUD takes safety to heart, and to the community

by Kristine Lindemulder

Editor's note: Emerald PUD shared their plan for an improved safety culture so that other members can draw from it if they choose to do so. Safety programs like this one are what make utility staff the best they can be and ready for any situation, such as the ones on the previous pages.

When General Manager Scott Coe arrived at Emerald People's Utility District in late 2012, he brought with him a passion for safety. Having spent 24 years at Bonneville Power Administration where a predominant culture of safety was fostered, it was ingrained in Coe, and it didn't take long for his enthusiasm for safety to spread across the small utility.

Since Emerald's start in 1983, its safety program had included consistent trainings for line and tree crews, as well as a Safety Committee that convened monthly. The program was strong; crews were well-educated in safety practices, and on-the-job injuries were few and far between. Emerald repeatedly earned awards for safety from NWPPA, and was named a Reliable Public Power Provider (RP3) by the American Public Power Association (APPA) — still Coe saw room for improvement. While employees knew how to work safely, he worried they could eventually become complacent with safety practices. He envisioned a workplace where safety was emphasized in every department and for every employee, from front office staff to crews in the field, and further communicated in the resources and services provided to customer-owners. His goal was to amplify the program and get employees and customers excited about safety.

Expanding the program was tackled in two phases, with the first phase centered on increasing employee awareness and involvement. Coe kicked off the project with a powerful presentation to Emerald's staff, and in the weeks that followed, a revitalized safety program was introduced. A safety column was added to the weekly employee newsletter to provide tips on how to prevent accidents and avoid injury; and safety apps were created for use during quarterly employee walk-throughs, a new safety assurance measure. A recognizable safety brand was developed for use in employee communications and signage. Large, brightly colored signs were now displayed prominently in the office with the messages of "Live Safety," "Focus on Safety," and "Think Safety."

The safety training schedule grew to offer new exercises geared for all employees, including earthquake, fire, and emergency evacuation drills, as well as CPR training. Detailed Mayday call training was also added to educate personnel on the protocol to follow during crisis events and allow them to practice simulated Mayday calls with crew members. The new schedule gave front office employees access to annual trainings on how to safely handle robbery,

violence, and difficult customer situations.

"Employees are Emerald's greatest asset," said Coe. "By making safety a priority, we help ensure every employee gets home safely at the end of the day.

That is what matters most."

The second phase of expanding the safety program concentrated on educational services offered to the community. Emerald had long provided safety education for elementary school students, but in 2013, those teachings took on a new look. Emerald purchased a miniature power line in order to make presentations more visual and captivating for all ages.

Emerald PUD Community Relations Coordinator Caitlin O'Quinn, formerly an elementary school science teacher, has helped increase the popularity of the safety education program by developing a customized curriculum for each grade level, as well as providing follow-up materials for teachers to reinforce the safety lessons later in their classrooms. In 2014, a new curriculum was created to educate high school students/new drivers about the dangers associated with car-hit-pole scenes.

Broadening safety education was not exclusive to school-age classes, as the program was also available to adults. Emerald PUD Serviceman Mark Raimer performs as many as 10 detailed safety courses per year. For groups large and small, including fire districts, police departments, emergency responders, Oregon Department of Transportation (ODOT), county workers, and bus drivers, Raimer provides in-depth information about the hazards power lines present in situations many of these groups are likely to encounter at some point.

With the addition of new trainings, employee involvement, and community outreach, Emerald has successfully achieved what General Manager Scott Coe had envisioned: a safety program that engages audiences of all types and ages; provides an invaluable service; and ultimately benefits employees, students, professionals, and the community as a whole. **NWPPA**

Kristine Lindemulder is the communications coordinator at Emerald People's Utility District in Eugene, Ore. She can be contacted at either (541) 744-7410 or kristine@epud.org.



Journeyman Tree Trimmer Brandon Gee and Equipment Operator Jesse Duval participate in a CPR training class.

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: Accounts Director (Executive position)
COMPANY: Brown & Kysar (Battle Ground, Wash.)
SALARY: \$103,000 annually.
DEADLINE TO APPLY: April 14, 2015.
TO APPLY: Email cover letter and resumé to employment@bki.cc.

POSITION: Journeyman Lineman
COMPANY: Franklin PUD (Pasco, Wash.)
SALARY: \$41.02 per hour.
DEADLINE TO APPLY: April 14, 2015.
TO APPLY: More information and application instructions can be found at <http://www.franklinpud.com/index.php/employment/employment-opportunities>.

POSITION: Assistant Operations Supervisor
COMPANY: Elmhurst Mutual Power & Light Company (Tacoma, Wash.)
SALARY: \$94,000-\$98,000 annually, DOQ.
DEADLINE TO APPLY: April 17, 2015.
TO APPLY: For an application packet, email Administrative Assistant Diane Young at dianey@elmhurstmutual.org or contact her by phone at (253) 531-4646.

POSITION: Journeyman Maintenance Wireman
COMPANY: Central Lincoln PUD (Newport, Ore.)
SALARY: \$45.22 per hour.
DEADLINE TO APPLY: April 17, 2015.
TO APPLY: For more information and to apply, go to www.clpud.org.

POSITION: Senior Financial Reporting Analyst #22528
COMPANY: Puget Sound Energy (Bellevue, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: April 18, 2015.
TO APPLY: Apply online at www.pse.com/careers.

POSITION: Consulting Engineer or Below #19423
COMPANY: Puget Sound Energy (Bellevue, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: April 18, 2015.
TO APPLY: Apply online at www.pse.com/careers.

POSITION: Buildings and Grounds Maintenance Lead
COMPANY: Central Lincoln PUD (Newport, Ore.)
SALARY: \$43,804.80-\$61,639.68 annually.
DEADLINE TO APPLY: April 22, 2015.
TO APPLY: Apply online at www.clpud.org.

POSITION: Journeyman Lineman
COMPANY: Idaho Power Company (Boise, Idaho)
SALARY: \$38.53-\$41.50 per hour.
DEADLINE TO APPLY: April 22, 2015.
TO APPLY: Apply online at www.idahopower.com/careers.

POSITION: Transmission & Distribution Substation Engineer
COMPANY: City of Tacoma (Tacoma, Wash.)
SALARY: \$93,428-\$118,518 annually.
DEADLINE TO APPLY: April 23, 2015.
TO APPLY: Applications accepted online only. Apply at www.cityoftacoma.org/jobs.

POSITION: System Engineer
COMPANY: Copper Valley Electric (Glennallen, Alaska)
SALARY: \$100,000-\$115,000 annually.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Apply online at www.cvea.org in the careers section.

POSITION: Journeyman Lineman/Hot Apprentice
COMPANY: Klickitat PUD (Goldendale, Wash.)
SALARY: \$41.02 per hour.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Application may be found at www.klickitapud.com. and at the Goldendale Klickitat PUD office.

POSITION: Electrical Engineer
COMPANY: EES Consulting, Inc. (Kirkland, Wash.)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Send resumé to EES Consulting, Inc., 570 Kirkland Way, Ste. 100, Kirkland, WA 98033, or email to careers@eesconsulting.com.

POSITION: Wynoochee Hydro Project Assistant Manager
COMPANY: City of Tacoma (Tacoma, Wash.)
SALARY: \$102,419.20-\$131,289.60 annually.
DEADLINE TO APPLY: Open until filled.
TO APPLY: For more information on this position and to apply, go to www.cityoftacoma.org/jobs. Applications are only accepted online.

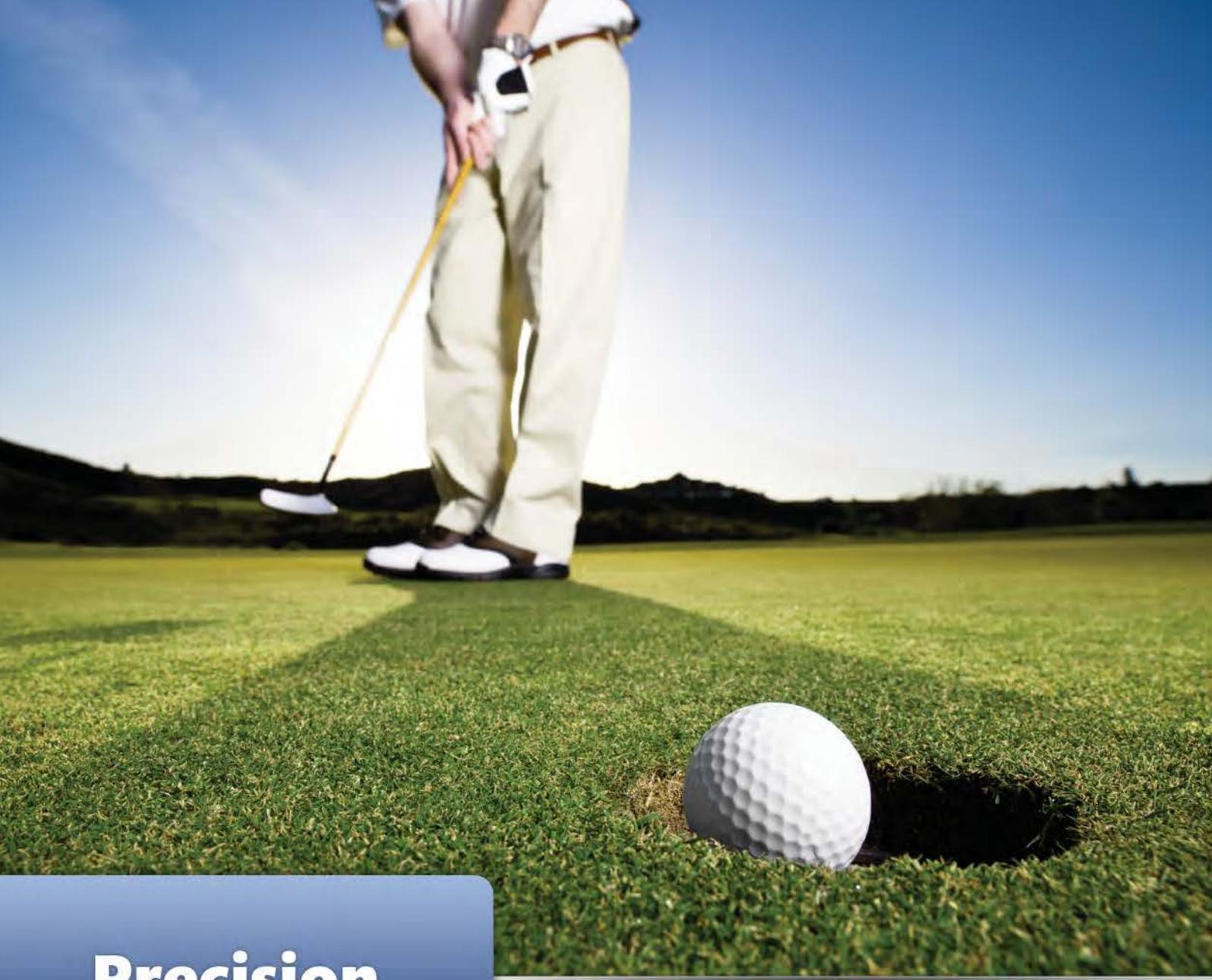
POSITION: Control System Engineer
COMPANY: Chelan PUD (Wenatchee, Wash.)
SALARY: \$100,000 annually.
DEADLINE TO APPLY: Open until filled.
TO APPLY: A resumé and cover letter are required. Apply online at www.chelanpud.org. Incomplete applications will not be considered.

POSITION: Engineering Assistant
COMPANY: Northern Lights, Inc. (Sagle, Idaho)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Send resumé to Northern Lights, Inc., Attn. Deed Hall, P.O. Box 269, Sagle, ID 83860, email to deed.hall@nli.coop, or fax to (208) 263-7412.

POSITION: Journeyman Lineman
COMPANY: City of Seward (Seward, Alaska)
SALARY: \$44.52 per hour.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Apply online at www.cityofseward.us/.

POSITION: Controller
COMPANY: Northern Lights, Inc. (Sagle, Idaho)
SALARY: DOE.
DEADLINE TO APPLY: Open until filled.
TO APPLY: Hand written resumé should be sent to Northern Lights, Inc., Attn. Deed Hall, P.O. Box 269, Sagle, ID 83860, email to deed.hall@nli.coop, or fax to (208) 263-7412. **NWPPA**

Advertisers	
Bullard Law	5
Cable Huston Benedict Haagensen & Lloyd, LLP	29
Cooperative Response Center, Inc.	14
Energy Northwest	17
Golight, Inc.	28
NASS Pacific Northwest	12
National Information Solutions Cooperative (NISC) ..	Back cover
Wagner-Smith Equipment Co.	25



Precision



Your Data.
Elevated.

With NISC MapWise, you can focus on what matters and see deeper connections between data.

There's no need to over think how your data integrates with maps. With MapWise, you won't worry about coming up short.

follow us



866.999.6472

www.NISC.coop

powered by

