

WATER



FALL 2014

THE OFFICIAL MAGAZINE OF THE
PACIFIC NORTHWEST SECTION - AWWA

matters



2015 CANDIDATES FOR OFFICERS

- > **WATER IN ACTION –
2015 CONFERENCE PREVIEW**
- > **OREGON WATER UTILITY COUNCIL**

PNWS-AWWA
P.O. Box 872467
Vancouver, WA 98687
Address Service Requested



Prestressed Concrete Storage Tanks

Quality never goes out of style

Trends come and go but DN Tanks prestressed concrete storage tanks are built to perform for decades — that's why we've been in business for generations. **We're that strong.**

For more information visit or call.

Toll Free 1-800-227-8181 | www.dntanks.com

Nick Belmont and Chris Young, Regional Managers, Pacific Northwest

Office: (503) 323-2000



**DYK and Natgun
Generations Strong**

OXARC.COM



The OXARC/ Honeywell Confined Space Mobile Training Unit

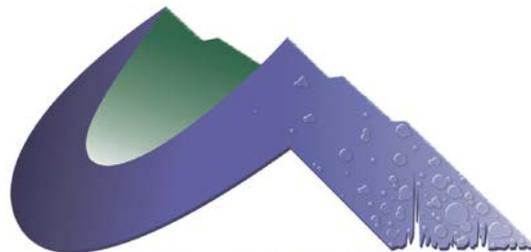
Safety Training available from OXARC:

- ▶ **Confined Space Entry**
 - ▶ **Gas Detection Fundamentals**
 - ▶ **Respiratory Protection**
 - ▶ **Lockout / Tagout**
 - ▶ **Fall Protection**
- Continuing Education Units in Washington, Oregon and Idaho for some courses.**

- ▶ **Chemical Feed Pumps**
- ▶ **Water Treatment Chemicals**
- ▶ **De-Watering Bags**
- ▶ **Chemical Tanks w/containment**



Call: 1-800-765-9055
Email: safety@oxarc.com



CASCADE ANALYTICAL, INC.

Central Washington's Leading ENVIRONMENTAL LABORATORY

- ▶ **Drinking Water Analysis**
- ▶ **Process Control Projects**
- ▶ **Wastewater Analysis**
 - ▶ **Storm Water**
 - ▶ **Biosolids**

The qualified staff at Cascade Analytical Inc. provides accurate data you can rely on, to make informed environmental decisions.

*Fully Accredited by WA Dept. of Health & Ecology
Call 1-800-545-4206*

Serving you from:

3019 G. S. Center Rd., Wenatchee, WA 98801 ▶ 509-662-1888
1008 W. Ahtanum, Yakima, WA 98903 ▶ 509-452-7707

You're protecting more than water. You're protecting a way of life.

Rely on Calgon Carbon to provide the products, services and expertise you need to help keep smaller communities safe.

Supplying clean, safe community water is no easy task. It is often difficult for communities to comply with current and future regulations. To make matters worse, new pollutants seemingly arise every day.

Calgon Carbon is your partner in protection. We offer a broad line of affordable treatment options – from activated carbon to ion exchange – for communities of any size and operating budget. Additionally, we provide expert service, technical support and training at no extra cost.

To find out how Calgon Carbon can help with your municipal water treatment, contact us today.



1.800.422.7266 www.calgoncarbon.com **Pure Water. Clean Air. Better World.**

CALL US
IF YOU
WANT A
RELIABLE
RESPONSIBLE
PROVEN
AND
QUALIFIED
LAB
EDGE
ANALYTICAL

WATER TESTING

Organic • Inorganic • Waste Water • Drinking Water

Over 20 years assisting the Northwest water and wastewater operators achieve state compliance.



Quick turn around times

Call and talk directly with a chemist

View results online for your convenience

Washington, Oregon and Idaho certified

FOR A QUOTE CONTACT ALLEN
800-755-9295
afrench@edgeanalytical.com

WHAT DO YOU KNOW ABOUT CORROSION CONTROL?

If the answer is not much, don't wait to gain some insight into corrosion engineering and cathodic protection.

The cost of corrosion is approximately \$276 billion per year in the U.S.

Corrpro would like the opportunity to educate your team on the fundamentals of corrosion.

Please contact Todd Sheppard to schedule your free presentation at tsheppard@corrpro.com.

*Lunch provided by Corrpro.

www.corrpro.com

18852 72nd Avenue South
Kent, WA 98032
Tel: 425.251.8411

corrpro[®]
An Aegion[™] Company

**PNWS-AWWA 2013-2014
BOARD OF DIRECTORS**

Association Director:
BRENDA LENNOX

Chair:
JASON CANADY

Chair Elect:
RANDY BLACK

Past Chair:
CHUCK KINGSTON

Washington Trustee:
**JACKI MASTERS
JOHN ROTH**

Oregon-Idaho Trustee:
**BRAD TAYLOR
TODD HEIDGERKEN**

Trustees at Large:
**DAN KEGLEY
LACEY GOERES-PRIEST**

Treasurer:
MARSHALL THOMPSON

Executive Director:
KYLE KIHS

Publications Chair:
CORIANNE HART

FOR MORE INFORMATION PLEASE VISIT:
www.pnws-awwa.org

Published by



Managing Editor: Cole Kelman
Layout & Design: Tracy Toutant
Sales Manager: Darrell Harris
Advertising Coordinator: Stefanie Hagidiakow

866-985-9780
Fax: 866-985-9799
E-mail: info@kelman.ca
www.kelmanonline.com



WATER matters

THE OFFICIAL MAGAZINE OF THE
PACIFIC NORTHWEST SECTION - AWWA

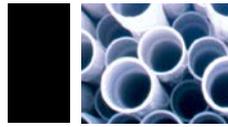


TABLE OF CONTENTS

FEATURES

WATER IN ACTION – 2015 CONFERENCE PREVIEW	23
OREGON WATER UTILITY COUNCIL	24
2015 CANDIDATES FOR OFFICERS.....	27



DEPARTMENTS

MESSAGE FROM THE CHAIR	6
MESSAGE FROM THE EXECUTIVE DIRECTOR	8
ASSOCIATION DIRECTOR'S REPORT	10
COMMITTEE REPORTS	12
SUBSECTION REPORTS.....	22
HISTORIANS CORNER.....	26
PROFESSIONAL DIRECTORY	41
REACH OUR ADVERTISERS.....	42

COVER PHOTO: A RAINBOW ON WASHINGTON STATE'S MAJESTIC PALOUSE FALL © KAN1234



© 2014 Craig Kelman & Associates Ltd.
All rights reserved.

No part of this magazine may be reproduced or reprinted without written permission from the PNWS-AWWA.



THINK GREEN

This document is printed on paper certified to the standards of the Forest Stewardship Council® (FSC®). This magazine is printed with vegetable oil-based inks. Please do your part for the environment by reusing and recycling.



MESSAGE FROM THE CHAIR



Looking to the future

Finally! Summer is ending and Fall is starting to creep into the Pacific Northwest. As a water provider my mind now turns to planning activities for the winter months. Record temperatures and the hottest summer on record have led to deferred maintenance activities, projects that have gone undone, and the long overdue ramp down from summer. This all leads to the inevitable winterizing tasks required by us all before the freezing weather of winter returns. But I urge you to take a second before you look forward, it is important that we take a look back and reflect on what we and others have accomplished before moving on to endeavors of the future.

This summer, serving as your Chair, has been the greatest summer of my professional career. Of course it hasn't been all fun and games, but every minute has been rewarding in its own way. In the past few months I have traveled across the Country to represent the Section and meet with many of the PNWS members and AWWA members from all over the globe at ACE 14 in Boston, Massachusetts! I was also privileged to attend the AWWA Summer Workshop in Denver where I learned that, because of our dedicated and tireless volunteers, the PNWS is one of the greatest Sections in the Association. And in early September, I will be traveling with fellow Board members to the Regional Meeting of Section Officers (RMSO) in Vancouver, British Columbia where our Section will be presenting alongside other Sections

and sharing our successes and networking with others to improve how we provide service to you, our members. All in all it was a busy summer season.

Memorandum of Understanding between PNWS and PNCWA

The Section has also begun working on several of the items identified in the MOU between the PNWS and the PNCWA. Trustee John Roth will serve as a liaison between the two boards and will be attending some of the PNCWA's board meetings and reporting back to the Section. It is hoped that by having liaison officers at each other's board meetings we will find more opportunities for cooperation and collaboration in the future. Along these lines, I recently had the pleasure of sharing the podium with Mark Polling, Past President of the PNCWA and Chris Miccolis, current President of the South Coos Section of the PNCWA (equivalent to our subsection) as we opened the 2014 Oregon Operators Conference. The three of us combined to address the MOU between our organizations as well as the benefits of professional memberships and what they offer the line level operator. This year the Oregon Operators Conference was held in conjunction with the Umpqua Basin Operators Section (UBOS) Short School in Canyonville and by all accounts was a very well attended and successful event for all the participants. I am excited to see what else the two groups will be able to complete in the coming months.

Fall Meeting

The Fall Meeting is quickly approaching! The board and I am excited to get back to work and we will be hosting a round of training as well as looking at the Committee budget requests for the 2015 year. Trainings will be geared to ensure that committee members have all the best tools available to them as they plan all the great activities that make this Section great. We are looking forward to seeing all the Committee Chairs October 1-3 in Lake Chelan.

Bellevue Conference

I cannot believe I am already saying this, but May is just around the corner and planning is well underway for the Bellevue conference. Online registration will have a new look and feel this year and our excellent Executive Director Kyle Kihs has been working diligently to ensure an easier, more intuitive registration experience. I personally got to try the new system the other day, and I think you will all be impressed with the changes. Not only is registration easier, but if your plans change you can easily log back into the system and make changes. Kudos to Kyle for taking the initiative to continue improving the Sections web presence and making the members online experience a better one!

In Memory of a Friend

Tragically this summer saw the passing of a great friend and supporter of the Section, Chris Uber. Chris will forever be remembered for his support of the Association and individual members like you and me. His support of the water industry

MESSAGE FROM THE CHAIR



will not be forgotten and the number of people that he touched is hard to calculate.

Personally, I remember when I was asked to run for Trustee a few years back and was skeptical as to whether or not I should throw my hat in the ring. While I was pondering my options I happened to bump into Chris at an AWWA event and sat down and had one of the most influential conversations of my career. At the time I only knew Chris casually, he was just 'that guy.' You know the one you always see and exchange pleasantries with at AWWA functions. But on that day he took the time to sit down with me and talk about my concerns about the impacts and

benefits of choosing to serve the PNWS members as a Section Board member. He made me think about the commitment to serve and what that means to all PNWS Members and he made me realize that while the workload would be significant, the rewards of advancing the industry and our Section would far outweigh the time invested volunteering for the industry I had chosen to pursue. As I continued to progress through the years, Chris continued to check in on me offering me advice if it was asked and support throughout. I owe him far more than I can express in these few paragraphs.

So as summer continues to wane and fall and winter approach I pledge

to make myself a better person by attempting to emulate those characteristics that I admire most in Chris: His devotion to the Section, the Association, the Industry and the people around him, his willingness to assist his fellow members and most importantly, to always smile. Writing these short paragraphs has again brought a tear to my eye, but at the same time I cannot help but remember Chris' ever-present smile! While Chris will be missed dearly by us all, I for one am a far better person for having known him and I will never forget. ■

Jason Canady
Chair PNWS-AWWA



WATER

Planning and Development
Quality Treatment
Storage and Distribution
Water Rights



WASTEWATER

Planning and Development
Pumping and Collection
Treatment



PUBLIC WORKS

Strategic Planning
Policy Development
Capital Improvement Plans
Rate Studies



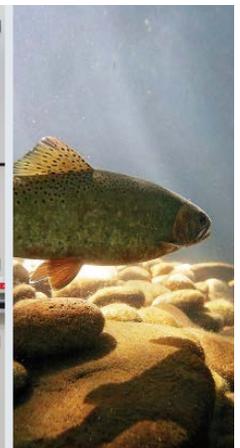
TRANSPORTATION

Planning and Design
Signal and Illumination
Stormwater Management



ELECTRICAL/CONTROL

Electrical/Control Design
SCADA/Telemetry
HMI/PLC/PC Programming
Communication/Networking



ENVIRONMENTAL

Permitting
Wetlands Delineation
Fisheries and Habitat
Hydrology



800.720.8052 | www.rh2.com

9 locations in Washington and Oregon including:

BELLINGHAM
360.676.0836

BOTHELL
425.951.5400

EAST WENATCHEE
509.886.2900

RICHLAND
509.946.5181

TACOMA
253.272.3059



MESSAGE FROM THE EXECUTIVE DIRECTOR



Thinking about the year ahead

Fall is here and while the sunny days of summer are behind us (as I write this it is a sticky 90 degree day in August!) so too is the insanity of the weeks of peak water usage. As the days get shorter and cooler our thoughts turn to football, and the upcoming holidays. However, fall is also an excellent time to begin thinking about the year ahead, begin planning for the future and if you are really motivated, even set goals for yourself in advance of those New Year's resolutions.

While 2015 seems a long way off we already have trainings planned for our membership. Dates to mark on your calendars include:

- January 5, 2015 – Online registration opens for the Section Conference in Bellevue, Washington, April 29-May 1. Look for a new online registration portal that will provide much more information about our conference and expedite your registration process. If you are a vendor looking for booth space at this conference it is first come first served. Register early to get your premium spot on the vendor floor!

- February 4-6, 2015 – Winter Subsection Advisory Council Training and Trustee Meeting. If you are a Subsection officer, plan to attend this valuable training on subsection operations and expectations. You won't want to miss the discussion on new Subsection logos and the AWWA brand. No excuse to miss this meeting as travel and accommodations are reimbursable if needed.

While you won't find these candidates advertising on your late night television shows or filling your mailbox with an almost never-ending supply of direct mail pieces, it is election time again. Inside you will find information on the slate of candidates that would like to represent our Section membership in 2015. Ballots will be mailed out to all members early November and they must be returned to the Section office by end of the day December 31. I encourage all of you to take a moment and fill out your ballot. Keep in mind you can vote for all positions whether or not the candidate will be representing your state of residence or not. This year's candidates are:

Chair Elect	John Roth
	Lee Odell
	Lacey Goeres-Priest
AWWA Director	Kari Duncan
	Bill Carr
	Bob Ward
Oregon/Idaho Trustee	Max Woody
	Mike Whitely
Washington Trustee	Ronda Farmer
	Jeff Lundt
	Pat Everham
Trustee At-Large	Chris Young
	Jennifer Garbely
	Pierre Kwan

Finally, I would like to take an opportunity to thank everyone one for your membership with AWWA. I hope that you have found your membership to be very beneficial in your career development. I know that many of you have found some great friends within this association and in my opinion, that truly is what this association is all about. As we enter the holiday season, I hope that you have the opportunity to spend time with those near and dear to your heart. Don't hesitate to let them know that you appreciate them and all that they do to make your life a little brighter. Happy Thanksgiving, Merry Christmas and Happy Holidays to you and yours! 🇺🇸

Kyle Kihs, Executive Director

SOLUTIONS FOR

SCREENING

GRIT

SLUDGE

HUBERFORUM.NET

A Powerful Resource

EXPERTS IN LIQUID/SOLID SEPARATION

Goble Sampson Associates, Inc. | (801) 268-8790 | www.goblesampson.com

WASTE WATER Solutions



20 Branches in the Pacific NW
 Serving All of Your Waterworks Supply & Service Needs.
 Call / Email Your Local Salesperson or Visit:



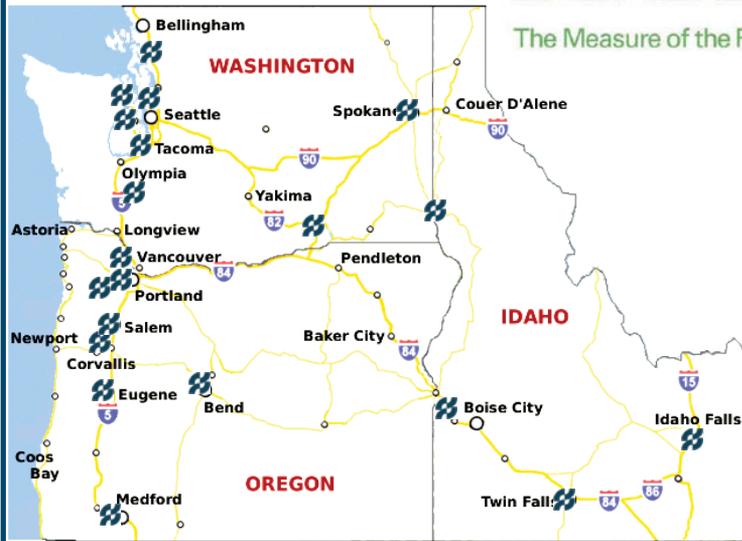
Meter & Automation Group

<http://www.ferguson.com/locations-finder>

Sensus Territory Manager — Erik Ongstad
 Erik.Ongstad@Sensus.com — 206-331-1228



Contact a Meter Automation
 Team Member in Your Area
 for your Reading System
 and Technology Needs:



NW Washington

Tom Erickson - 253-375-3055
 Thomas.Erickson@Ferguson.com

SW Washington / East Metro Portland

Eastern Washington / NE Oregon

Tammy Rogers - 503-209-4902
 Tammy.Rogers@Ferguson.com

Oregon / North California

Todd Mitchell - 541-501-4793
 Todd.Mitchell@Ferguson.com

Southern Idaho

Bob Ferlic - 208-921-9031
 Bob.Ferlic@Ferguson.com



Ask us about our **Municipal Leasing Program**
 All late model rental fleet

**EQUIPMENT & ACCESSORIES
 FOR PUBLIC WORKS**

- SEWER CLEANING
- HYDRO-EXCAVATING
- PIPELINE INSPECTION
- LINE LOCATING
- LEAK DETECTION
- VALVE OPERATING
- ROOT CONTROL
- GREASE & ODOR CONTROL
- TRANSPORT TRAILERS
- STREET SWEEPING
- ASPHALT RECYCLING
- DEMOS AVAILABLE**



CHECK OUT OUR NEW ONLINE STORE
shop.owenequipment.com

Rent-to-Own, Long-Term and
 Short-Term Rentals Available

800-992-3656

THREE FULL-SERVICE LOCATIONS
 Oregon · Washington · California



The importance of planning

It seems like it was just yesterday summer started. Now, kids are back in school and by the time you read this our fall Trustee meeting will be behind us. The saying “If you fail to plan, you plan to fail” is so true. That is why we prepare budgets every year to continue important Committee work and provide training for members. It also ensures the continued success of our Section. I want to take this opportunity to recognize the planning efforts by each of you. If it weren't for volunteers the budgeting process and training for members would not be such a success. Many volunteer hours are spent to prepare the budget, plan for training, submit abstracts for training, coordinate the technical program for our annual conference and the list goes on! I'm never surprised – but always amazed – at the sense of duty and commitment I see in you folks.

Association Updates

The Board meeting held during the Annual Conference and Exhibition (ACE) in June was full of information. It is hard to imagine that the AWWA *Journal* has been published for 100 years! You may have noticed that the August *Journal* edition included specially commissioned articles by leaders in the water supply field and was about twice the size of a normal issue. This commemorated the centennial year.

I do want to remind you of a few on the going efforts:

- The Community Engineering Corps Program that was launched in February is still seeking members for the Technical Review Committee (TRC). As a member of the TRC, you will review each project to ensure a reasonable work scope and schedule before CE Corps enters into an engineering

service agreement. If you would like to volunteer expertise or learn more about what the program offers, visit www.awwa.org/CEC or www.communityengineeringcorps.org.

- Watch for a new eLearning platform by the second quarter of 2015. Some of the new features will include the ability to mobile-enable online courses. This may also provide the ability to deliver webinars through the eLearning platform and offer CE exams for credits.
 - Earlier in 2014, the U.S. Environmental Protection Agency awarded to AWWA and two other organizations grant funds to assist small water systems. This Rural Community Assistance Partnership (RCAP) will assist with training programs for small systems in 50 states
 - ACE online housing registration is now open. Reservations can be made prior to conference registration (NEW this year) which will open in mid-November.
 - Thursday Sessions will be eliminated in 2015. A robust program is being planned for Monday through Wednesday
 - Sunday Exhibit Hall Hours have been eliminated; and
 - Exhibit Hall Hours on Wednesday have been extended
 - Attendance to the ‘Gavel Passing & Reception Gala’ on Wednesday night for the incoming President will be included for all ACE attendees in the cost of registration
- I look forward to seeing many of you at the fall Trustee meeting. I hope you enjoy time with your families and loved ones through the holidays. I for one am already ‘planning’ for a successful and productive 2015. We are serving an important profession and I'm honored to be a part of it. ■

Brenda Lennox, Association Director PNWS-AWWA



MSA
Murray, Smith & Associates, Inc.
Engineers/Planners

Your Public Works Partner

www.msa-ep.com




Preparing today for tomorrow's challenges

Bringing people, technology and innovation together to help you balance risk and budget to preserve your critical drinking water infrastructure



▶ **HOW DO YOU MANAGE
ONE OF EARTH'S MOST
PRECIOUS RESOURCES?
JUST ASK GOLDER.**

We focus on sustainable water resource solutions. The world's most precious resource is becoming more precious by the minute. That's why sustainable management is critical to ensuring water for industry and agriculture, for household needs... and for the future. Golder has been providing cost-effective solutions to satisfied clients for 50 years, finding better ways to discover, develop, transport, manage and reuse water. A world of capabilities delivered locally. **Engineering Earth's Development, Preserving Earth's Integrity.**

Redmond (425) 883-0777
Portland (503) 607-1820
solutions@golder.com
www.golder.com



Ameron International Corporation
A NATIONAL OILWELL VARCO COMPANY

**Leading Producer of
Concrete and Steel
Pipe Systems**

10681 Foothill Blvd, Suite 450,
Rancho Cucamonga, CA 91730, Tel: 909 944-4100
10100 W. Linne Rd. Tracy, CA 95377, Tel: 209 836-5050
2325 S. 7th Street, Phoenix, AZ 85034, Tel: 602 252-7111

Website: www.ameronpipe.com

Complete engineering packages
are available to provide fully
integrated solutions

WHAT IS EZ STREET?

EZ Street is a high performance, permanent, polymer-modified cold asphalt material requiring no mixing or tack coat.

WHERE IS IT USED?

- Utility Trenches
- Pothole repair
- Concrete repair
- Small asphalt overlays
- Wide crack restoration
- Patching utility adjustments



WHAT DOES IT DO?

EZ Street works in water, provides greater workability, and superior performance. It works in all weather conditions and requires minimal preparation.

WHO USES EZ STREET?

WSDOT, ODOT, ITD, AlaskaDOT, City of Seattle, Pierce County, City of Portland, City of Spokane, City of Yakima and many general and specialty contractors in the PNW.



EZ Street is APPROVED for use by WSDOT, ODOT, ITD, AlaskaDOT, Seattle DOT, Portland DOT, etc.

www.lakesideind.com
www.ezstreet-miami.com

Contact
Rick Rawlings at:
425-313-2681
rickr@lakesideind.com

Available by the ton, in 1 & 2 ton bulk bags & 50# bags
FOB Seattle Dock





COMMITTEE REPORTS

CONSERVATION COMMITTEE

Eugene Conference 2014

The conservation committee hosted a three hour Technical session on Friday, May 9. There was a strong representation of committee members from Oregon. Technical session topics ranged from water efficiency programs for low-income customers to Water Conservation/Water Quality Paradox.

After the technical session committee members were invited to tour the Water Wise Landscape Demonstration Garden. The garden was built in partnership with the City of Eugene Parks

& Open Space, Eugene Water & Electric Board, and various other nonprofit organizations and volunteers.

Summer Meeting

The Water Conservation Committee held a one-day summer meeting in Eugene, Oregon on Thursday, August 21, 2014. We started the meeting talking about committee business and ended with a discussion on what presentations we would like to sponsor for our technical sessions at the May Conference in Bellevue, Washington next May. Andrew

Ulmer from WaterSmart Software came to our meeting and presented their approach to customer outreach using their online web portal tool. Danny Motylewski from Hunter Industries presented on landscape irrigation products that can improve water use efficiency in the landscape.

After the committee meeting, the committee toured Ninkasi Brewing Company and discussed the water conservation strategies employed at the brewery. Eleven committee members attended the meeting. ■



DISTRIBUTION COMMITTEE

The Distribution Committee (DC) met twice during the summer and is engaged in the development of an eclectic and enlightening program for the 2015 Spring Conference in Bellevue Washington. In addition to a full slate of Preconference and Technical Sessions, we are hoping to jointly to sponsor a Tract with the Water Quality Committee and again will

assist Small Systems as needed for its Spring Conference efforts.

In October, both Doug Schlepp, Chair and Bill Reynolds, Vice Chair will be attending the Fall Trustee meeting in Chelan Washington to finalize the slate of abstract selections and confirm joint venture(s) for the Spring Conference.

The Water Loss Control Focus Group (WLCFG), serves as the local

conduit for the latest best practices concerning Water Loss Control, which allows water utilities to achieve historical accountability and document trends in the operation of their water system. Through reliable auditing of water supply and implementation of the recommended action items, financial resources will be maximized to minimize system losses. The free



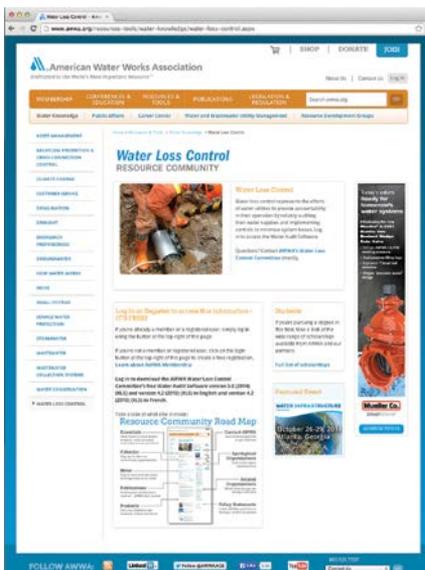
Water Audit software prepared by the AWWA Distribution and Water Loss Control Committees can be found at www.awwa.org/resources-tools/water-knowledge/water-loss-control.aspx. Local information for Washington Water Purveyors can be found at the Washington State Department of Health website www.doh.wa.gov/CommunityandEnvironment/DrinkingWater/WaterSystemDesignandPlanning/WaterUseEfficiency/ControllingWaterLoss.aspx and for Oregon, at the Oregon State Water Resources Department website www.oregon.gov/owrd/pages/mgmt_muni_umcp.aspx.

The DC is your resource for difficult to answer questions concerning the operation of your water system. We have over 500 years of experience and can provide you with insights based upon this wealth of knowledge. Recently, one of our members was contacted by an East Coast community regarding the systematic failure of gate valve bonnet bolts installed in the early 90's. Through this query we have learned that prior to the standardization of stainless steel for these bolts, gate valves installed with mild steel bolts may be subject to decay and valve failure. Such valves should be inspected and a bolt replacement plan developed as necessary. If you have concerns regarding this matter

please contact your DC representative as noted below.

DC meetings are held every other month, generally on the first Tuesday and are fully integrated with video conferencing at RH2 office host sites in Bellingham, WA; Bothell, WA; Tacoma, WA; East Wenatchee, WA;

Richland, WA; Portland, OR and Central Point, OR; from the comfort of your desk top computer video camera or smart phone. Meetings are fun, brief and focused. Interested, motivated individuals should contact Doug Schlepp, DC Chair at dschlepp@rb2.com. ■



CONFIDENCE

AGAINST CORROSION.

Raven Lining Systems has been instilling confidence through innovative technology and proven products for more than 25 years.

It is this confidence that continually allows us to provide superior protection, strength, and integrity through effective, efficient and economic solutions to water and wastewater infrastructure problems.

Put your confidence in a name that will stand the test of time, time and time again. Raven Lining Systems!



918.615.0020 • WWW.RAVENLINING.COM
13105 East 61st Street, Suite A, Broken Arrow, OK 74012

© 2014 Raven Lining Systems. Raven Lining Systems is a registered trademark. All rights reserved.



COMMITTEE REPORTS

PERSONAL LEADERSHIP COMMITTEE

The Personal Leadership Committee is comprised of several subcommittees that sponsor events in local areas. The mission is to provide individuals with the tools to thrive both personally and professionally within the water industry.

After a busy spring and conference events, the committee members are busy planning upcoming events.

PORTLAND

Aqua Athenas continues to provide excellent networking opportunities. In addition to the annual conference breakfast, Aqua Athenas holds quarterly networking events with suggested discussion topics. The

next event will be held at the end of October. Watch for advertisements coming out shortly.

Aqua Athenas could use your help. If you would like to help plan a future event, contact Adrienne Lindsey at alindsey@gwiws.com for information.

SEATTLE

The Seattle Women in Leadership group is planning its second annual event. Watch for upcoming announcements of this 2015 event. Contact Lara Kammereck, PE at Carollo Engineers (lkammereck@carollo.com) for additional information.

BOISE

We are looking for people to help plan Boise's first leadership event. Contact Stephanie Raddatz (at Stephanie.Raddatz@unitedwater.com) if you are interested.

If you are interested in getting involved, please contact our leadership team:

Kristel Fesler (Chair)
Kristel.fesler@hillsboro-oregon.gov,
503-615-6735

Jim Meierotto (Vice-chair)
jimm@twwd.org,
503-848-3036

TRAINING COORDINATION COMMITTEE

Two 0.6 CEU Trainings Available for Your Area

Would either a class focused on arc flash and electrical safety or a

Secure Water . . .
I'll drink to that!



CyberLock
Bring security, accountability, and control to your water facility

- Sets employee access schedules
- Tracks access to each area
- Keeps management informed
- Increases accountability

SYBIS
206-686-8463 • sales@sybissolution.com
www.sybissolution.com

basic waterworks course be useful to the people in your area? The Training Coordination Committee has developed a stand-alone training program for each of these topics.

- 0.6 CEUs each
- Can be held anywhere in the Section
- Standardized curriculum and prepared trainers

Following are more details about each course. If you are interested in hosting a training, please contact any of the people listed below or see the list of approved trainers on the TCC webpage.

Arc Flash Safety and Electrical Basics for Operators

Covers the fundamentals and hazards of electricity in water and wastewater facilities including:

- Approach boundaries
- Interpreting and complying with arc flash labels
- PPE requirements
- Electrical power
- Motor control

- Instrumentation
- Hazardous locations
- Documentation

Basic Waterworks

Introduction to water supply, treatment, and distribution for new utility employees, office personnel, and others looking for a general introduction to the industry. Topics include:

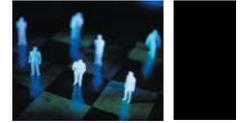
- Overview of water system
- Regulations and contaminants
- Water sources
- Hydrology and hydraulics
- Treatment and disinfection
- Water quality monitoring
- Water quality protection practices
- Construction and maintenance
- Disaster response

For questions, please contact:

Lisa Snowden
Lisa.Snowden@bdrinc.com

Loren Searl
LSearl@SpokaneCity.org

Jeff Lundt
Jeff.Lundt@KingCounty.gov



SCHOLARSHIP COMMITTEE

The American Water Works Association and specifically our Pacific Northwest Section is built on the foundations of volunteerism and education. The most substantial investment we can make in the future of our water industry remains the recruitment and training of qualified operators, engineers and administrators.

The PNWS-AWWA Scholarship Committee has awarded nearly 200 scholarships to deserving students over the past 20 years to students from 18 different northwest educational institutions. Scholarships are generally awarded to individuals working on a two-year program, the third or fourth year of a Bachelor's degree, or coursework taken toward a Master's degree or PhD.

For the current (2014-2015) academic year, a total of \$24,000 was awarded to ten individuals. Funding for these scholarships came from multiple sources:

- *Ameron International* (an annual \$4,000 scholarship to the top applicant since 1995);
- *The Education and Training Endowment Fund* (The E & T Fund's earnings are used to fund scholarships for deserving students as selected by the Scholarship Committee);
- *Contributions from Manufacturer's and Suppliers Conference* Registrations;
- *Contributions from Kelman & Assoc, and the NW Washington Subsection*;
- *Annual contributions from the Section's general fund* approved by the Board; and
- *Direct contributions from Subsections and vendors*

Donations to the E&T Fund can be designated to create perpetual scholarships in someone's name after the size of the donations exceeds \$10,000. There are currently twelve named Perpetual Scholarships each year:

1. The **Archie Rice Scholarship** honors a man from CH2M HILL Engineers who served as Section

Chair, received the George Warren Fuller Award and earned the Golden Water Drop Award for 50 years membership in the AWWA.

2. The **Alan H. Jones Scholarship** honors the long-time manager of the McMinnville Water Utility. Alan also won the George Warren Fuller award and served as Section Chair. In 1987, he became a Life Member of the AWWA.
3. The **Ray Pettie / Bob Stiles Scholarship** honors two men who were central to the development of cross-connection control in the Pacific Northwest.
4. The **Cynthia Driscoll Scholarship** honors a woman who served the Section as Chair during the last courageous year of her life.
5. The **Doane Family Scholarship** established by Jim Doane, a long time PNWS member and engineer serving in both public utility and consulting practices.
6. The **Wubbena Family** scholarship established this year by Bob Wubbena, another long time PNWS member and engineer serving in water supply consulting practice.
7. The **NW Washington Subsection Scholarship**.
8. The **Past Chairs Scholarship** honors past Chairs of the Section.
9. The **RH2 Engineering Scholarship**.
10. The **Southern Oregon Subsection Scholarship**.
11. The **Al Alsing Scholarship, new this past year**, honors the public works director of the City of Ashland who served as AWWA National Director
12. The **Legacy Scholarship** collectively honors individuals who not yet reached the "endowed" status for a separately identified Scholarship.

So what is in it for YOU? You can:

- *Donate to the E & T Fund*. It is a great tax-deductible way to help the next

generation of leaders enter our field. Remember the Board-established matching funds for any donations over two years, and this opportunity is still available!

- **Support and encourage co-workers, friends and friends of friends to apply for one of the scholarships. Applications for the 2015-16 academic year will be available in January on the Scholarship Committee webpage.**
- **Convince your Sub-Section to support the E & T Fund or establish a scholarship program within your Sub-Section.**
- **Sponsor a scholarship of your own, or**
- **Apply for a scholarship and continue your own education.** ■

877-585-LEAK(5325)

utility services associates
EVALUATE. MANAGE. CONSERVE.

With over 200,000 miles of water line surveyed, billions of gallons of water saved and nearly 7,500 clients served, your water distribution and transmission systems are in good hands with USA!

- Computerized Water Leak Surveys
- Complete Water Loss Management Programs
- Water Leak Detection Equipment Sales
- Water Audits
- Water Tank Inspection & Cleaning

**CALL TODAY FOR A
FREE QUOTE
877-585-LEAK(5325)**



COMMITTEE REPORTS

WATER FOR PEOPLE COMMITTEE

The Water For People Committee would like to thank Nikki Olson, past secretary, for her dedication and enthusiasm. She is pursuing a new opportunity in California, but we know the California Section's Water For People Committee will greatly benefit from her involvement.

Summer was another great season for Water For People events. So far this year, 9 subsections held Water For People events or made donations from their own funding. A big thank you to everyone involved at the subsection level.

Event Recaps

- Lower Columbia Beer For Water (June 20): Raised \$4,100
- Cascade to Coast Wine For Water (July 17): Raised \$4,587

- NW Oregon Golf Tournament (July 25): Raised \$8,769
- Southern Oregon Golf Tournament: Raised \$ 7,000
- NW Oregon Wine For Water (August 15): Raised \$7,460
- NW Washington Wine For Water (September 12): Raised – upcoming issue
- SW Idaho Golf Tournament (September 12): Raised – upcoming issue
- Wheels For Water (October 11): Raised – upcoming issue
- SW Idaho Wine For Water (TBD): Raised – upcoming issue

Denver Workshop

In July, Kristin Young and Max Woody represented the PNWS at the annual Water For People workshop in Denver.

Thank you to the Board for supporting this training.

2014 Fundraising Totals

In 2013, Indiana edged us out for amount of funds raised on behalf of Water For People. Be sure to read the Winter edition of *Water Matters* to see if we are the top Section for 2014!

Looking Forward

As the WFP fiscal year comes to a close (September 30), we are looking ahead to 2015. Contact Cindy Foss (cfoss@ci.tacoma.org) to find out how you can get involved in the WFP committee at the section or local event level! We are looking to expand our awareness efforts, grow our existing events, and help subsections with new events. Have an idea? Let us know! 📌

WATER QUALITY COMMITTEE

City of Kalama Successful at National AWWA Drinking Water Taste Test Competition!

The City of Kalama placed third at the 'Best of the Best' water taste test competition at AWWA's Annual Conference and Exposition (ACE) in Boston, Massachusetts held on June 10, 2014. The City of Kalama was eligible to compete in the national competition after winning the regional competition held at the PNWS annual conference in Eugene. In addition to placing as one of the top three in the country, Kalama received the People's Choice award, as determined by the conference attendees. This is the second consecutive year that the Pacific Northwest Section took home the People's Choice Award (Northeast Sammamish Sewer and Water District was the section's recipient in 2013), exhibiting the superior quality of the Pacific Northwest's drinking water to the nation.

The Best Tasting Water competition is an event sponsored by AWWA where municipal water systems from across the country participate in a friendly competition. The competition is held every year and promotes awareness of the quality of public drinking water. Beginning at the subsection level, water systems submit tap water for judging of different characteristics like taste, odor and appearance. At the section conference in Eugene, seven water utilities went head to head for this year's bragging rights. In addition to Kalama, Medford and Northeast Sammamish Sewer and Water District rounded out the top three finishers.

Kalama uses Diatomaceous Earth (DE) filtration to treat its surface

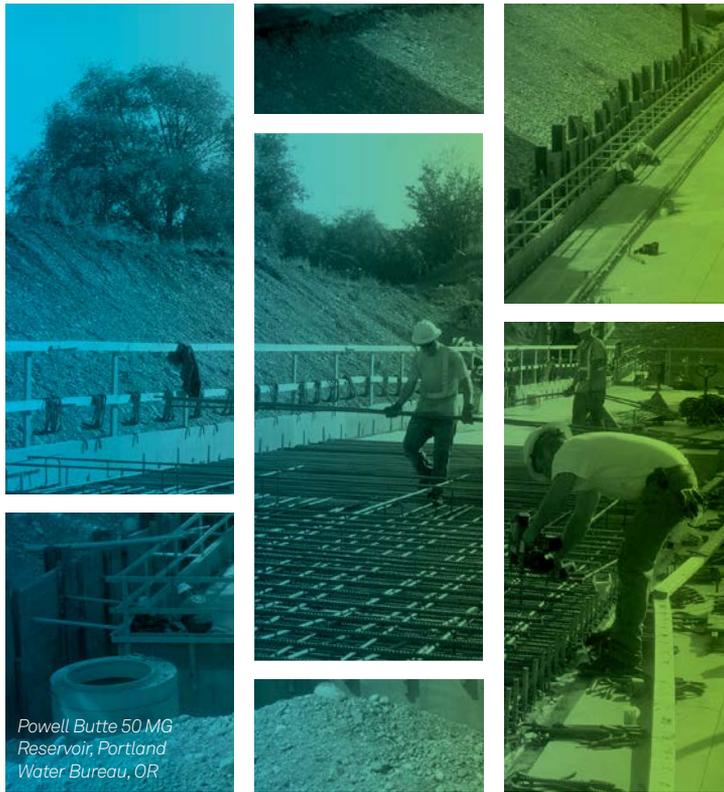


water source. DE filtration is a three-step process that typically requires lower capital costs, requires less space than conventional filters, and is simple to operate. Congratulations to Kelly Rasmussen, Superintendent of Public Works, and the rest of the City of Kalama Public Works staff on this great accomplishment! 📌

CREATE. ENHANCE. SUSTAIN.

With nearly 200 employees in the Pacific Northwest, AECOM's experts incorporate the latest technologies while delivering practical and economical solutions to capture new water sources, construct new or upgrade existing treatment facilities or expand pumping, storage and distribution system infrastructure.

T: 1.206.624.9349
www.aecom.com



Powell Butte 50 MG Reservoir, Portland Water Bureau, OR

jetscan

Never jet blind.

The JetScan video nozzle is the quick, easy way to see what you're jetting. It helps you size up each job, pick the right tools, and verify success. Affordable enough to put on every truck, JetScan captures HD video that can be viewed moments later on any device.

YouTube
see it in action at
<http://bit.ly/VSykc9>

**underground
understood**



connect

Connect JetScan to any jetter hose and press the record button.

record

Launch JetScan and capture footage as it advances through pipe.

review

Afterward, eject the SD card to view footage on a laptop or tablet.

Envirosight

973.252.6700 • www.envirosight.com



pipe inspection technology



COMMITTEE REPORTS

WATER RESOURCES COMMITTEE

The Water Resources Committee (WRC) is actively engaged in new educational seminars and conference sessions that are timely and relevant for water providers in the Pacific Northwest. The committee has been busy this summer organizing a number of technical sessions for the 2015 annual conference in Bellevue. We are currently planning sessions focused on integrated water resource management, the use of mitigation to secure new water rights and water right transfers, and source water protection program development. Please visit our website for timely information on upcoming events and information on past events and meetings at <https://sites.google.com/a/pnws-awwa.org/water-resources-committee/home>

Water Resources Committee Webinar on Seasonal Variable Flows

The WRC is currently planning a webinar that will present the NOAA National Marine Fishery Service (NMFS) perspective on seasonal variable flows (SVFs) for salmonid species in Western

oceanic rivers, such as the Columbia and its tributaries. SVFs are currently a hot topic in Oregon as a Governor-appointed task force develops recommendations for SVF requirements tied to state funding of water storage projects. The webinar is targeted for mid-November to December 2014 pending authorization within NMFS .

WRC Summer 2014 Social

The WRC held its annual summer social in Portland, immediately following its September 18th meeting. The social provided an opportunity for WRC members (current and prospective) to reconnect and for the committee to solicit ideas for future webinars and Lunch-n-Learn workshops.

Sustainability Conference Pub Tour

The WRC will once again organize an evening pub tour in conjunction with the national AWWA Sustainability Conference, which will convene in Portland from March 15-18, 2015. The event was a great success during the

2013 Sustainability Conference, with dozens of attendees from all across the country enjoying craft beers from three local brewpubs. Stay tuned for further details.

Monthly Committee Meetings

The committee meets on the third Thursday of the month from 3:30 to 4:30 pm to discuss water resource issues in the PNWS region and to plan educational activities. The committee will be focusing on developing timely Lunch-n-Learn and webinar events during our fall 2014 and winter 2015 meetings. All interested parties are encouraged to join us in Portland or via our teleconference phone number to provide their input into the planning process.

For more information on WRC events please visit the website <https://sites.google.com/a/pnws-awwa.org/water-resources-committee/home> or contact Jill Hoyenga, committee secretary, at jill.boyenga@eweb.org to be added to our Constant Contact list or to the WRC membership roster. ■

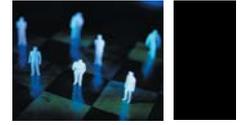


Thinking of water in new ways

Full-service delivery of solutions to ensure the reliability and sustainability of drinking water for our communities.



BrownandCaldwell.com



WATER TREATMENT COMMITTEE

Summer Meeting

The 2014 summer meeting was held at the Duff Water Treatment Plant (WTP) in Medford, OR. The summer meeting was a joint meeting with the Oregon Water Utility Council (OWUC) and also coincided with the PNWS Water For People Golf Tournament in Medford. After a committee meeting and lunch at the Duff WTP, Jim Stockton, the Plant Supervisor, led committee members on a tour of the Duff WTP. After the plant tour, some committee members stayed in Medford for the weekend to attend the salmon barbecue and play in the Water For People Golf Tournament. A special thanks to Jim Stockton and Larry Rains (Manager of the Medford Water Commission) at the Medford Water Commission and Kim Swan of OWUC for their help in organizing this meeting. Meeting minutes are available on the committee page of the PNWS-AWWA website.

May 2015 PNWS-AWWA Annual Conference

The Water Treatment Committee (WTC) is planning to sponsor three technical sessions one of which will be a regulatory session co-sponsored by the Research and Water Quality committees. The WTC and the South Sound Subsection are also planning a pre-conference session and tour of Tacoma Water's Green River Filtration Facility. The WTC would like to give a big thanks to the Research, Water Quality and Engineering Committees for their help with abstract coordination and minimizing abstract overlap between committees!

Spring Meeting

Our 2015 spring meeting will be on Friday, May 1 at the 2015 annual conference in Bellevue, WA. The WTC will elect a new secretary at

“The WTC is in its 15th year sponsoring the Water Treatment Forums.”

the spring meeting and say good-bye to our current Chair Pierre Kwan. Michelle Cheek, current Vice-chair, will transition to Chair and Enoch Nicholson, current secretary, will transition to Vice-chair. Many thanks to Pierre for serving as the WTC's dedicated leader for the past two years and a committee officer for the past six years!

Annual Water Treatment Committee Forums

The WTC is in its 15th year sponsoring the Water Treatment Forums. The goal of the forums has been to provide low cost alternatives for gaining CEUs, training, and the dissemination of treatment-related information and knowledge to operations staff in Oregon, Washington and Idaho. The WTC sponsored one forum in 2013, which was a hands-on training forum at the Joint Water Commission Water Treatment Plant. The WTC is in the early planning stages for a 2014 forum. Stay tuned for more details on this forum. Updates will be provided on the committee page of the PNWS-AWWA.

Other News

The WTC continues to promote the Operator's Network Exchange Program (ONE Program). With a motto of 'A region of operators, ONE goal of safe water' the ONE Program aims to provide mentoring and direct networking opportunities between pairs of water treatment plant operators from different communities with similar water quality and treatment processes. The WTC is looking for large and small utility operators to participate in the program and sponsorship commitments to help fund the program. The WTC is hoping to kick off the program in early 2015 with a goal of having four pairs of participating operators. More information on the program can be found on the committee page of the PNWS-AWWA.

Become a Member!

The WTC is looking to recruit new, energetic members (including Manufacturer's and Equipment Vendors) to ensure continued growth and momentum in the WTC. 

COMPLETE WATER SERVICES
Serving Our Northwest Region

carollo **80 YEARS**
Engineers...Working Wonders With Water® Working Wonders

Boise, ID | 208.376.2288
Portland, OR | 503.227.1885
Seattle, WA | 206.684.6532

carollo.com



COMMITTEE REPORTS

YOUNG PROFESSIONALS COMMITTEE

Engage Your Local Young Professionals

We are well into 'back to school' time and with that, a fresh opportunity to reach out to college students in your area about PNWS-AWWA and careers in the water industry. It is also a good time to plan seasonal gatherings, pot-lucks, mixers, etc. with Young Professionals. Here are some great ideas!

Tours

Lake Oswego Tigard Water Partnership Tour – On Aug 14, the PNCWA Lower Columbia Section Chapter, PNWS NW Oregon Subsection Young Professionals Committee and Brown and Caldwell sponsored a tour of the Lake Oswego Tigard Water Partnership project. Over twenty attendees viewed the active construction of a new river intake pump station, new raw water and finished water pipeline, upgrades to the water treatment plant and new water storage reservoir. Thanks to the Lake Oswego staff and Brown and Caldwell Construction Managers for providing such an informative tour.



Learning about Groundwater Treatment

– The PNWS King County Subsection Young Professionals (YPs) Committee and PNWS Engineering Committee partnered to conduct a tour of the Sammamish Plateau Water and Sewer District - Well 4 Treatment Facility. The facility provides treatment for hydrogen sulfide, manganese, arsenic, while only fluoridating a portion of its finished water. YPs learned about the treatment process, operational challenges, and specific design features that improve overall operation and maintenance requirements. A special thanks to Jim Konigsfeld (Engineering Committee) who led the tour and gave great insights and welcomed questions. Thanks for the tour Jim!



Golf Tournaments

The Southwest Idaho Subsection had their annual golf tournament fundraiser on September 12th, sponsored by the PNWS Young Professionals. Proceeds benefit Water For People and the PNWS-AWWA Education & Training Fund.

Lunch-n-Learn

There will be a Lunch-and-Learn event in November 2014 sponsored

by the Northwest Subsection. YPs are invited to attend and have lunch and learn from professionals in the water industry. Stay tuned on our Facebook page for more information regarding this event.

Fun Night

Host an all-ages social event at a local restaurant or brewery for students and YPs to mingle with and learn from seasoned YPs in the water industry. Add a game and /or raffle prizes and you've got a party!

Looking Forward

Fresh Ideas Poster Competition

It is never too early to think ahead when it comes to Fresh Ideas and the opportunity to win a trip to present your poster at ACE! Fresh Ideas is a student poster competition open to both graduate and undergraduate students to present on a topic related to the drinking water industry. Abstracts can be submitted beginning in January. Spread the word to students and keep an eye on the website for updates!

King County

Young Professional Tour

King County YPs will tour the Kirkland Pump Station on Thursday, October 10th at 1:30pm. This is a joint event with the University of Washington student chapter. If you are interested in participating, please contact Lynn Williams at lwilliams@brwnclald.com.

Participate!

Want to join the YP Committee in its efforts to connect students and YPs with PNWS-AWWA? There are lots of ways you can help, including website work, event planning, leadership roles, Scavenger Hunt planning, helping get a student chapter going, and beyond! Contact Meredith Noble, YP Committee Chair, for more information (meredith.noble@stantec.com). ■



Corp. Headquarters
 Seattle, WA
 206.632.8020

Richland, WA
 Portland, OR
 Anchorage, AK
 Fairbanks, AK
 Sacramento, CA
 Los Angeles, CA
 Denver, CO
 Saint Louis, MO
 Jacksonville, FL

www.shannonwilson.com

**Integrated Services for
 Public Works Projects**

- Geotechnical / Seismic Engineering
- Geologic Hazard Evaluations
- Tunneling
- Instrumentation
- Construction Dewatering
- Hydrogeology
- Environmental Remediation
- Natural Resources

Since 1947



We are a manufacturer's representative that understands solutions for water/waste water applications and have a wide variety of products and solutions to meet your water/waste water needs.

Process Instrumentation for Control & Monitoring of:

- Flow
- Level
- Pressure
- Temperature
- Liquid Analytics

SALES • REPAIR • CALIBRATION • ON-SITE SERVICE • START-UP

www.branom.com
800-767-6051

Seattle | Spokane | Portland | Boise | N. California

**Engineering
 America**

Why Aquastore® Tanks?

Glass-fused-to steel has become the premium choice for water and liquid storage technology. Aquastore owners choose glass-fused-to-steel technology over other tank designs.



THINK TANK America's employee-owned leader in liquid storage tank solutions

No Painting for the Life of the Tank

- 100% employee-owned
- Corrosion resistant
- Low maintenance
- Over 30 years of proven experience
- NSF approved tank for potable water
- The environmentally safe choice

Warranty

- 10-year factory extended performance
- Total low life cycle cost

Porcelain Enamel Chemically Bonded to Steel

- Mechanically and chemically bonded at temperatures above 1500° F
- Graffiti removal does not damage the coating
- Best standard edgecoat system available today
 - Includes stainless steel alloy applied to mechanically beveled edges covered with a final coating of porcelain enamel

2966 Industrial Ave., Hubbard, OR 97032 • Ph: 503-682-7600 • Fax: 503-682-7601 • www.engamerica.com



SUBSECTION REPORTS

NORTHWEST WASHINGTON SUBSECTION

Pump Workshop – Thursday October 23, 2014 @ Brightwater Environmental Education & Community Center, 22505 State Route 9 SE Woodinville, WA. Jointly sponsored by the Northwest Washington Subsection and the PNWS Engineering committee. Fee will be \$65/person. 0.6 CEUs. Registration is now open. Follow the link on the Northwest Washington Subsection webpage. Topics include presentations on:

- Basic centrifugal pump operation
- Pump performance curves
- Pump affinity laws
- Function and operation of a Variable Frequency Drive (VFD)
- Variable speed pumps - how to select trouble shoot and maintain
- Single phase and three phase power basics

The workshop will include a tour of the Brightwater Influent Pump Station a 135 mgd, high head (285 feet TDH), facility with six 2-stage centrifugal pumps. ■

See you there!




AMERICAN
THE RIGHT WAY

- DUCTILE IRON PIPE
- FLOW CONTROL
- INTERNATIONAL
- SPIRALWELD PIPE
- STEEL PIPE

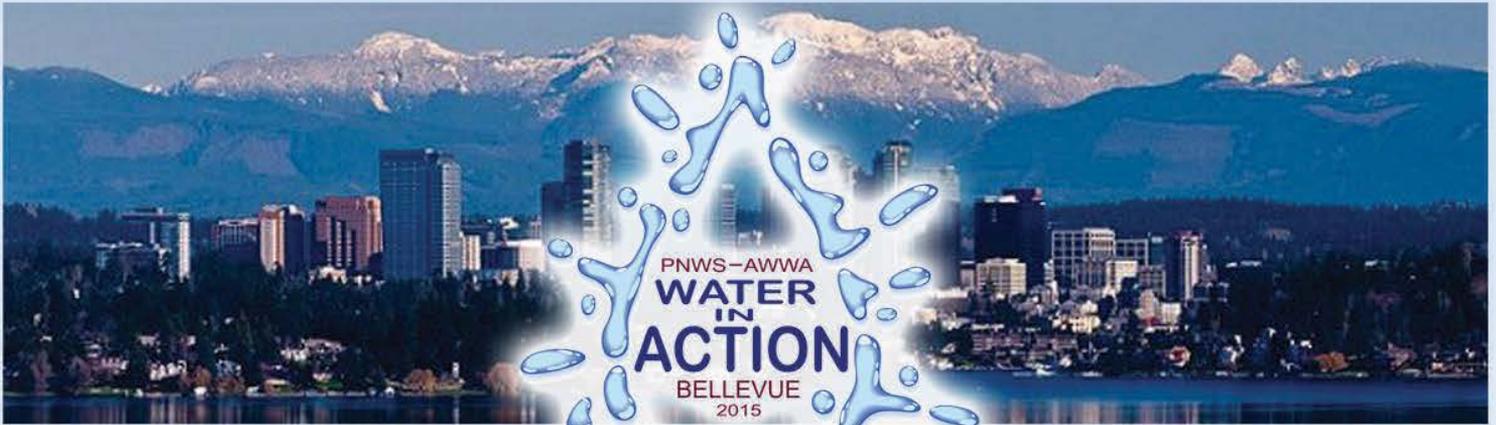
AMERICAN-USA.COM

SURE PLASTIC PIPE IS CHEAPER. BUT IT'S STILL PLASTIC.

When it comes to choosing pipe, you get what you pay for. And with ductile iron, what you get is stronger, more dependable material that withstands the rigors of installation and operation better than plastics. Just like everything else we do, AMERICAN ductile iron pipe is made the right way. Because doing things the right way is the AMERICAN way.



EXPERIENCE WATER IN ACTION IN 2015!



Outstanding training opportunities await you in beautiful Puget Sound. The 2015 PNWS Spring Conference will be held in Bellevue, Washington. A city with an exciting, growing downtown, surrounded by lakes and snow capped mountains. Two tourist attractions located within the city are Bellevue Square Mall (elite downtown shopping and dining district) and Bellevue Botanical Garden. Seattle's culture and history are minutes away. Snoqualmie Falls, one of the states top attractions, lies just 20 minutes to the east. Also known as a "city in a park" because of it's vast network of green spaces and recreational facilities, Bellevue was voted #4 of America's best small cities to live by Money magazine.



See you in Bellevue in 2015!

**Pacific Northwest Section Spring Conference
Bellevue, Washington April 29 - May 1, 2015**



PNWS
IDAHO • OREGON • WASHINGTON

Report from Oregon Water Utility Council

Chair: Kim Swan, Clackamas River Water Providers
Vice Chair: Suzanne DeLorenzo, Clackamas River Water
Sec/Treasurer: Kari Duncan, City of Lake Oswego
Past Chair: Brad Taylor, Eugene Water & Electric Board
Trustee: Brenda Lennox, Tualatin Valley Water District

The Oregon Water Utility Council continues to monitor legislation and regulations that could impact the water industry, giving members the ability to help shape these kinds of issues. In addition it provides its members with the ability to network with other water utilities of all sizes. The legislative activities are closely coordinated with policies of the AWWA when applicable.

Review of Activities and Accomplishments

SB 839 Seasonal Variable Flows (SVF)

During the 2013 legislative session, Senate Bill 839 was passed by the Oregon Legislature and signed into law. SB 839 establishes a Water Supply Development Account to provide loans and grants for water supply development projects. The bill calls for the creation of a task force to recommend a methodology for determining season varying flows (SVF) requirements for water storage projects funded by the Account. In June, OWUC hired GSI Water Solutions to work with OWUC to develop a common

understanding and approach to the SVF Rulemaking process. This included participating up to 4 Rules Advisory Committee meetings in Salem on behalf of OWUC.



WaterWatch vs. Oregon Water Resource Department (City of Cottage Grove)

In January of 2014 OWUC members agreed to hire Rick Glick of Davis Wright Tremaine to represent OWUC and the League of Oregon Cities ("LOC") as *amici curiae* before the Oregon Supreme Court concerning a water rights extension granted to the City of Cottage Grove by the Oregon Water Resources Department and challenged by WaterWatch of Oregon. The scope of work includes review of all briefs and pleadings, consultation with counsel and consultants to Cottage Grove, coordination with the Oregon Department of Justice. This case is still pending before Oregon Supreme Court.

City of Bend Amicus Brief

In July OWUC hire Rick Glick of Davis Wright Tremaine to represent Oregon Water Utilities Council, League of Oregon Cities, Special Districts Association of Oregon, and Oregon Water Resources Congress (collectively "*Amici*") to support Defendants U.S. Forest Service and City of Bend (the "City") in this case to protect the integrity of Oregon's water rights system and to ensure adequate public water supplies across the state. The scope of work includes review of all briefs and pleadings, consultation with counsel and consultants to Bend, coordination with the Oregon and United States Departments of Justice, and development of an amicus brief on the merits in support of Ben's position. The brief will seek to compliment and not duplicate arguments offered by Bend or the federal defendants, focused on helping the court to understand the broader implications of the case to municipal water providers throughout Oregon.

RFP for OWUC legal services

Over the past several years OWUC has intervened in several legal proceedings via amicus briefs on litigation that deals with water right permit extension issuance and state and federal regulatory activities. Because OWUC anticipate continuing to be engaged in these kinds of proceedings we are currently in the process of hiring legal council for a period/term of two years to provide advice and prepare amicus briefs on a variety of issues as well as provide legal opinion or advice on legislative bills may be needed on a case-by-case basis.

Financial Planning For Water Utilities

Last year OWUC partnered with AWCA to host a seminar on the Value of Water. A second workshop on financial planning for water utilities is in the process of being developed. The workshop will be held at the Chemeketa Center for Business & Industry in Salem on November 18. ■

**WHAT YOU NEED
WHERE AND
WHEN YOU
NEED IT**

**competitive prices.
unmatched value.
quality products.
added service.**

We are positioned to take your project to the next level with the industry's best products and know-how. Find your local branch and discover how we can work together to get it done for your business at: www.hdfowler.com

Branches in Washington, Oregon, Idaho, Montana, and Wyoming

**H.D. FOWLER
COMPANY**

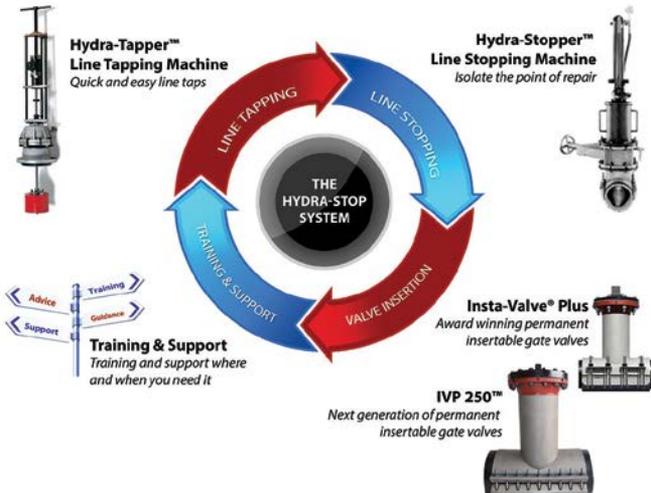
much more than pipe, valves, and fittings

over 100 years strong

HD Fowler Company is the oldest and largest independent, family-owned distributor of waterworks, irrigation, pumps and wastewater treatment equipment in the Pacific Northwest, and one of the largest in America.

Pending Project in the Pipeline?

Put the Hydra-Stop System to work for you!



HYDRA-STOP®

Line Stopping • Line Tapping • Valve Insertion • Training and Support

Contact us before specifying your next project or purchasing equipment!

800-538-7867

www.hydra-stop.com

MORE COVERAGE THAN EVER. GET YOUR 2X WITH THE v3.

Get twice the coverage as before with Neptune's **NEW R900® Gateway v3 fixed network data collector**. Target routes or go full fixed network and eliminate truck rolls, even for off-cycle reads. All with your existing endpoints – so your utility saves infrastructure, labor, time, and money.



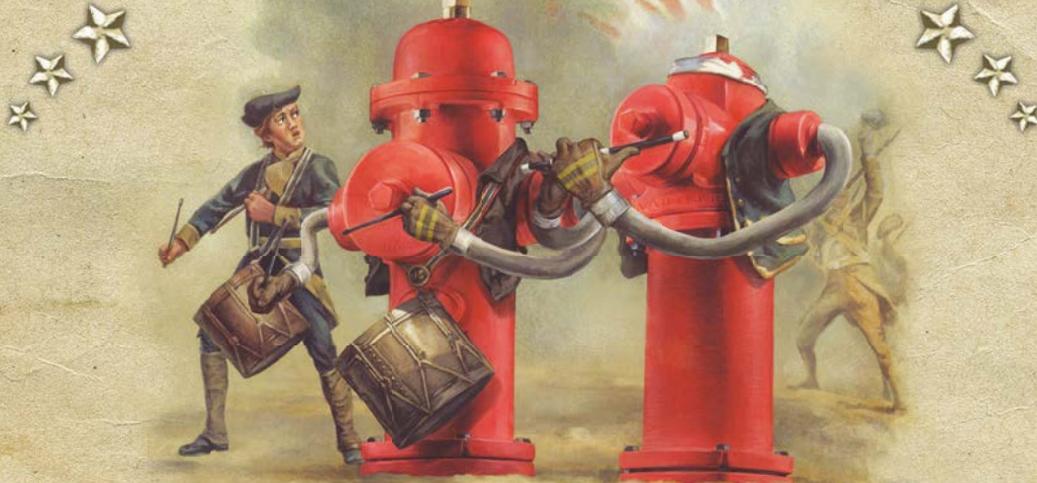
LEARN MORE ON HOW NEPTUNE PROVIDES 1-OF-A-KIND CONFIDENCE THROUGH THE R900 GATEWAY V3 AND THE MIGRATABLE R900 SYSTEM AT NEPTUNETG.COM.



NEPTUNE
TECHNOLOGY GROUP

TAKE CONTROL | neptunetg.com

*Revolutionary Flow Control.
That's the American Way.*



american-usa.com

1-800-326-8051

Made in America by AMERICAN.



AMERICAN
FLOW CONTROL

THE RIGHT WAY



HISTORIANS CORNER

I have spent the last few months researching the history of water districts, and have found that these histories are a rich source of local history and urban growth. Many of the water districts around Portland, for example, began in rural, agricultural areas and were formed to supply water to a small farm community. Some water districts, many of which were formed in the 1920s, grew to large urban utilities, others merged together, and many were annexed as boundaries of cities grew in the 1960s and 1970s

to include areas that were once rural and removed from the urban core. The histories of these local water districts remind us how very local water is and that lots of people have always been involved in providing water to their citizens. Although the names of many of these 1920s water districts have been forgotten, some of the pipes are still providing water. The districts may have disappeared, but the infrastructure they built is the foundation for much of what we use today. They were also the ones who bought the high points land for water tanks and reservoirs.

“The districts may have disappeared, but the infrastructure they built is the foundation for much of what we use today.”



I would like to resurrect the names and histories of these original water districts, so I have begun collecting these where I can. One source in the Portland area that I have used are the lists of wholesale customers for Portland’s Bull Run water. There were 67 wholesale customers in 1942: Barnes Road Cooperative, Green Hill Water District, Harry T. Wallace Water System, Baseline Water District, Boundary Acres Water Company, Killam Water Company are just a few that are listed. In Seattle, there were the Maggs Water, Choppin Water System, Kinnear, Union Water Company and many others (one source estimates 80 water systems in 1954). In Boise, Artesian Water merged with Boise Waterworks in 1891 to form the Artesian Hot and Cold Water Company (downtown Boise was heated with water from local hot springs).

By embarking on this research, I am learning a great deal about the growth of cities and am constantly reminded that without water a city cannot grow. So, telling the stories of these sometimes very small water districts, which often met in hardware stores and grange halls, reminds us of how, when, where and why our cities grew.

If anyone would like to send me water district histories, I am creating a repository of these histories for the PNWS. And, I could sure use your help with this! 📧

Catherine Howells
PNWS Historian
chowells@pdx.edu

CHLORINE

SCALES

MONITOR
USAGE • LOW LEVEL • FEED RATE

TON CONTAINERS



CYLINDERS





WIZARD 4000®
ADVANCED DIGITAL SYSTEM

CENTURY®
HYDRAULIC SYSTEM





FORCE FLOW

WWW.FORCEFLOW.COM



IN OVER 100 COUNTRIES



WARRANTY™

2430 STANWELL DR. CONCORD, CA 94520 USA / 925-686-6700



Pacific Northwest Section of the American Water Works Association Idaho, Oregon & Washington



Candidates for Officers 2015

Pacific Northwest Section Nominating Committee presents the following candidates for 2015. Look for your ballot in the mail soon. You will vote for one of the three candidates for Chair, one of the three candidates for AWWA Director as well as one of the candidates in each of the three Trustee categories: Washington, Oregon/Idaho and Trustee At Large. Each of the three trustee positions is for a two-year term. The Chair will serve one year as Chair-Elect, one year as Chair, and one year as Past Chair.

The successful candidates will take their place on the Pacific Northwest Section (PNWS) of the AWWA Board of Trustees in May 2015. They will vote on many issues that AWWA will face over the coming years. When you receive your ballot, please take the time to cast your vote for the candidates that you feel are most qualified to represent you on the PNWS/AWWA Board of Directors.

Chair Elect

John Roth
Lee Odell
Lacey Goeres-Priest

AWWA Director

Kari Duncan
Bill Carr
Bob Ward

Oregon/Idaho Trustee

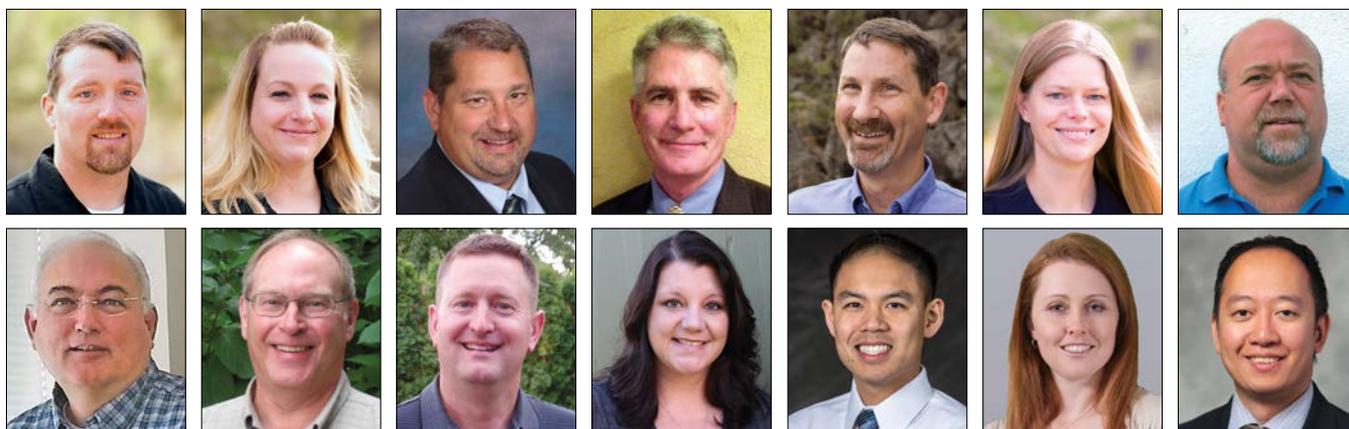
Max Woody
Mike Whitely

Washington Trustee

Ronda Farmer
Jeff Lundt
Pat Everham

Trustee At-Large

Chris Young
Jennifer Garbely
Pierre Kwan





Candidates for Officers 2015



Candidate for **CHAIR ELECT**

JOHN ROTH

Water-Wastewater Manager
City of Washougal

AWWA Involvement

I feel privileged and extremely honored to have had the opportunity to serve as Washington Trustee on the PNWS-AWWA Board of Directors. It is a responsibility I take very seriously and one about which I am very passionate. I love my job and am enormously proud of the work we do. Mentors and coaches have had a tremendous impact on my career. The training and mentoring provided have been invaluable to me and I'd like to give back. This opportunity – to seek election as Section Chair – is the opportunity of a lifetime. I have worked for the City of Washougal for thirteen years and have had the chance to work with some of the very best and most accomplished waterworks professionals. These individuals have provided me some great opportunities to participate. Early in my career, I was able to 'get involved' with PNWS-AWWA and the Lower Columbia Subsection. I initially helped with administrative functions such as coordinating training and drafting abstracts. I progressed to providing classroom training, field training and presenting technical information. I have served as Chair of the PNWS Subsection Advisory Council to help provide leadership training, direct resources for Subsection use and sponsor activities such as Tapping, TopOps, Meter Madness and Gimmicks and Gadgets. I have always been active in and relied on AWWA for obtaining technical training and CEU's for the licenses I hold. My relationships and networking with AWWA professionals are a source of much of the successes I have enjoyed in my career. AWWA keeps the City of Washougal and I 'plugged in' and up to date on technical advances, opportunities and resources in the water industry. The Association, the Section and the Subsections truly have something for everyone - providing relevant, fresh, coordinated and timely training. We also have some great stakeholder forums for water quality, water treatment, engineering, water distribution, leadership, public officials and legislation to name a few. We have some of the most generous vendors, consultants and volunteers raising money for many worthy causes such as, but not limited to, Water For People and scholarships for higher education. It is an honor to be considered and if elected I look forward to representing the goals and ideals of our wonderful Section.

- PNWS – AWWA Board of Directors, Washington Trustee (2013-2014)
- PNWS – AWWA Subsection Advisory Council – Secretary, Vice-Chair & Chair (2009-2011)
- PNWS – AWWA MSC Committee
- Lower Columbia Subsection Executive Board – Secretary, Vice-President & President (2004-2007)
- Lower Columbia Subsection Clark County Director (2007-Present)

Other Professional Organizations

- 2013 Washington Operators Workshop (WOW) Program Chair
- Waterworks Operators Certification Advisory Board, Washington State Department of Health, Office of Drinking Water
- Evergreen Rural Water of Washington (Associate Membership)
- Pacific Northwest Clean Water Association (Utility Member)
- Northwest Biosolids Management Association

Education/Awards/Licenses

- Water-Wastewater Technology Program – Green River Community College.
- PNWS-AWWA Heart and Soul Award, 2008.
- Water Distribution Manager IV
- Cross Connection Control Specialist
- Basic Treatment Operator
- Wastewater Treatment Plant Operator Group 2

Personal/Hobbies

In my free time, I enjoy spending time with our border collies, working in our yard, coaching soccer and RV camping with my wife Rose. My wife and I have been active in 4H for seven years, where we mentor young people. Ours is a livestock club and we participate in the Skamania County Fair and community service projects. I have coached youth soccer for the past six years and I really dig seeing kids learn the value of teamwork and develop as players.

At our home in Washougal in addition to the dogs, we raise chickens, goats and grow beef.

My Vision for the Section

My vision is to sustain and enhance our role as the premier water professionals organization. Advocating and coordinating resources for quality training to our members makes a big difference. Technical training, leadership opportunities and group/committee involvement are necessary tools to help water industry professionals grow. Expanding membership and touting the benefits of membership or affiliation with AWWA helps expand our knowledge base. It is also very important for us to remain financially sustainable and stable. Combining these aspects helps us inform and educate a large base, which in turn helps us preserve and properly steward the worlds' greatest resource. We are a members' organization and the Pacific Northwest Section is a diverse, engaged and motivated organization of members. If elected, it is my pledge to diligently work to inform, protect and provide for waterworks professionals within and outside of the organization. We have a strong Section, strong vision and strong leadership.

Goals

I have two main goals I would like to accomplish should I be

elected. The first is in the area of membership. Our members are extremely engaged and I would like to see us continue our high level of engagement but also growing and recruiting new members while retaining our existing members. As a Section, we recently signed a memorandum of understanding with the Pacific Northwest Clean Water Association. I think we have some great opportunities to share experiences and successes as well as expand the membership of both organizations. I would

also like to see us maintain and stay connected with our more seasoned members. We have all known some great mentors over our career and I would like to see everyone stay active.

My second goal is to continue the sound financial planning and promotion of strong leadership in the Section. The Association, the Section and the Subsections do so much good work for the water industry it is important to be good stewards and make sure we stay viable long into the future.



Candidate for **CHAIR ELECT**

LACEY GOERES-PRIEST

Water Quality and Treatment Supervisor
City of Salem Public Works Department

It is my honor to be considered for Chair as the Pacific Northwest Section of the American Water Works Association. Ten years ago, I began my career in the drinking water industry for the City of Salem Public Works Department focusing my efforts on the City's Water Management and Conservation Program. I attended my first PNWS Water Conservation Committee meeting within the first few months and I have been an active member ever since. My responsibilities have changed significantly over the years transitioning from Water Conservation to Water Quality and Cross Connection.

AWWA Involvement

- Trustee At-Large – 2013-2015
- Membership Committee Co-Chair
- Training Coordination Committee
- Ad-Hoc Registration Committee
- 2010 PNWS Conference Committee – Tacoma
- 2010 Program Committee Chair
- 2009 Program Committee Vice-Chair
- 2009 PNWS Conference Committee – Salem
- 2008 PNWS Conference Committee – Vancouver
- Water Quality Committee
- Water Conservation Committee

Education/Awards

I earned my MS in Environmental Science and Engineering from the Oregon Graduate Institute (OHSU) in 2004 and my BA in Biology from the University of Montana – Missoula in 2001. I hold State of Oregon certifications for Water Treatment 1, Water Distribution 3, and Cross Connection Specialist.

It was my privilege to compete in three National Top Ops Competitions with fellow City of Salem Public Works staff Gerald Arredondo and Doug Priest. Our team earned first place at ACE in Toronto, Canada, second place at ACE in San Diego, California, and eighth place at ACE in Atlanta, Georgia. Top Ops was an amazing experience that really broadened my overall knowledge in all aspects of the water industry.

It was an honor to receive the PNWS Heart and Soul Award at the 2009 PNWS Conference in Salem, Oregon.

Personal/Hobbies

Family is first and foremost in my life and I spend most of my time chasing around my 4-year old and 14-month old little girls. I am blessed to have an amazing husband, Doug Priest, and three amazing adult step-daughters. We spend our days camping on the Little North Fork, traveling to Montana, and playing countless hours of Play-doh, Barbies, and Legos.

My Vision for the Section

My overall vision for the PNWS is to grow our membership and continue to enhance the value that our current members receive from our Section. The water industry is always evolving along the needs of the PNWS members. While recruiting new members is always a priority, it is also vital to ensure that our current member's needs are being met. It is imperative that the Section continues to survey our membership regularly to gain feedback on what the Section is doing right and identify areas where we can improve. It is our responsibility as Section leadership to spend the time to evaluate these surveys and assure our members that we are listening to their comments, feedback, and concerns.

In addition to recruiting new members and surveying the needs of existing members, one of my goals is to encourage members to become ACTIVE members. As one of the largest AWWA Sections with over 2,000 members, how many of those members actively participate on a Section committee or in their local subsection? There is a vast array of opportunities for all of our membership to participate and volunteer as some level. The Section really does offer something for everyone. From competing in Top Ops/Meter Madness/Tapping, attending your local subsection meeting, participating on a committee, golfing in a Water For People event, donating to the E&T fund, presenting at the Annual Spring Conference, or attending a training event, anyone can become an ACTIVE member in the PNWS.

It has been my pleasure to serve as your Trustee-At-Large over the last year. I continue to be impressed by the caliber and professionalism of the PNWS community and I am truly proud to be part of such a dedicated group of water professionals.



Candidates for Officers 2015



Candidate for **CHAIR ELECT**

LEE ODELL, PE

Water Treatment Global Technology Lead & Vice President
CH2M HILL

AWWA Involvement

I have been an active member of the water industry for 30 years. Since my first job with the City of Keokuk, IA where I learned to backwash filters and change chlorine gas tanks at the age of 14, I have worked around water supplies. While at the University of Iowa from 1983 through 1989, I received Bachelor's and Master's Degrees in Civil Engineering, and operated the University's Water Treatment Plant. While at the University's water treatment plant I served as operator, engineer, operations supervisor and plumbers apprentice.

I learned many valuable lessons on the job about water treatment, safety, and working with people. I also became aware, at that early age of the dedication and kind heartedness of people in the drinking water industry. After I graduated in 1989, I was lucky enough to land a job with EES in Bellevue working for Gregg Kirmeyer and Bob Wubbena. Gregg got me started in AWWA that same year, and told me about the importance of building relationships through AWWA for both personal and professional growth. I started by joining the Education Committee, which introduced me to some of my favorite people: Marla Carter, Bob Bandera, Gene Peterson, Jane Evancho and of course Lakehaven Water District Commissioner Don Miller. The experience on this committee reinforced to me that the water industry attracts hard working and dedicated people that are committed to their public health mission and to the industry.

Since that time, 24 years ago, I have maintained an active engagement with AWWA. I soon joined the sections water treatment committee, and still serve on that committee today. I have had stints on the program committee, as Vice Chair and Chair and remain active on the research committee. I have had the great pleasure of serving as Section Trustee, and even when I moved away for six years to Chicago, was engaged with the Illinois section education committee. Involvement with AWWA has helped me in many ways through a career with EES, EES Consulting, Odell Engineering and CH2M HILL. The primary way AWWA has helped is by developing a large network of friends and colleagues across the a vibrant membership of passionate volunteers who foster collaboration with their peers.

AWWA Involvement

Pacific Northwest. I have been the frequent receiver of advice and the infrequent deliverer of advice, but I always know that I get to interact with sincere people that care about doing things the right way, and still manage to have fun while doing it.

I have been a member of the Research Committee, Water

Treatment Committee, Program Committee and have organized the UV Workshop, Algae Workshops and ASR Workshops.

Other Organizations

Member National Water Resources Committee, American Society of Civil Engineers (ASCE)

Education/Awards

- Bachelor of Science Degree in Civil Engineering, University of Iowa, 1988
- Master of Science Degree in Civil and Environmental Engineering, University of Iowa, 1989
- Recipient of the Neil B. Fisher Environmental Engineering Fellowship
- Water Treatment Grade IV (Iowa)
- Registered Professional Engineer in Washington, Oregon, Illinois, New Mexico, and South Carolina

Personal/Hobbies

My wife Julie and I have four children, Katie (23), Megan (21), Hunter (18) and Maddie (16) who keep us busy with request for college payments, cars, concert tickets, new clothes and lots and lots of food! I do however get away once a week (ok –maybe 3 times a week) for a round of golf. I started playing when I was 5 years old, but I peaked early with City championships when I was 11 and 13 years old. My game has degraded steadily ever since. A few years ago when my daughter Megan was digging through an old box and came across a broken trophy, with the golfer missing and only the shoes left on top – she said “what did you win this for Dad – best shoes?”

My Vision for the Section

The PNWS is an amazing and amazingly successful section. The countless hours of volunteers putting in time to do the work of the section is truly inspiring. The Section itself may be the strongest it has ever been, with great leadership and participation among the industry. However, the industry faces a number of challenges that we must face together:

1. People are using less water, revenues are down, but the demands for service continue to grow. We must continue to do more high quality work with less resources to maintain the public's trust in our organizations. We can share knowledge about technological improvements and processes that help us maintain our incredibly important public health role at a price our customers can afford.

2. Public awareness over water quality and operations demands we continuously improve our knowledge sharing on best management practices. The public is more keenly aware than ever before about the necessity and challenges of delivering drinking water through a municipal system. Their concerns over health issues need to be acknowledged and communicated in a meaningful way.
3. Workforce challenges face many utilities. Capturing and sharing the information in operators, management, customer service professionals and engineers before they retire should be a priority.
4. There may be challenges to the industry on a number of

fronts about business practices, water use, water rights, water quality, cost of service and other issues. AWWA is the most effective forum to share the successes that others have already implemented in the northwest and around the world. The association, is truly one of the best organized, well run examples of a supportive industry association that I have ever seen. I would hope to do my part to maintain and build upon the great foundation that has been established. I believe that the best way to maintain and improve our industry is through education of our members. I will work hard to continue to expand training and education on issues that face the water industry.



Candidate for **AWWA DIRECTOR**

BILL CARR

Production Manager; Environment, Health and Safety Coordinator
United Water Idaho

I have been involved with the water industry for 40 years and have been active with AWWA for 28 years. I started my career in Colorado and have been in Idaho for the past 20 years. It is an honor to be nominated to represent the PNWS - AWWA as Section Director.

At United Water I am responsible for environmental, health and safety compliance and for the operations and maintenance of treatment plants, a large well field and boosters that comprise a 100- MGD system serving more than 240,000 people in the greater Boise, Idaho metropolitan area. I began my career installing water mains and services as a summer job during college and after starting full time with a utility, I moved through the ranks – starting as a laborer, then operator/technician, lead operator, then plant superintendent, then to my current role. During that time I have worked for a City, a Water District and an Investor Owned Utility. Each step along the way has given me an appreciation for the body of work we perform each day in this industry and the challenges we face.

My leadership roles with the American Water Works Association (Association) have been at the regional level for the Pacific Northwest Section as a Board Trustee, Chair of the PNWS Subsection Advisory Committee and Section Chair. I have also been a speaker at many conferences and have participated as a contributor, member and an officer on several committees over the years, including Water Treatment, Safety and Education. Direct Association experience includes the AWWA Fly-In to Washington D.C to lobby for the revolving loan fund with Representatives and Senators from Idaho. I have also been involved at the Association level as a Water Agency Response Network Chair for Idaho from 2007 to 2013. During that time I attended all the National WARN

Chair meetings that the Association hosted. I have also attended many Association Annual Conferences and Water Quality Technical Conferences and have served as a judge for student poster contests on two occasions.

Other current organizations

- Board member and Vice President of Boise City Canal Company
- Board member, Boise Philharmonic Orchestra (2010-2014)
- Board member and President-elect, Boise Master Chorale (2008-present)
- Member, Idaho Cowboy Poets Association
- Member and Past President, Opera Idaho Resident Company

AWWA is evolving and changing to meet the needs of members, but the founding principles endure. We band together as an association in order to make use of our many talents and to support one another in our work. We are a diverse and growing community of professionals that needs education and research resources and the ability to quickly and easily access the help and support of our colleagues. I will work to keep the resources of the national AWWA focused on meeting these and other needs of members.

Ultimately, it is all about the water. This essential building block of life that each of us works to protect and provide for our customers, neighbors and families. In service to that ideal, we must continue to build new leadership and provide networking and educational opportunities for our members. Ultimately, the health of our communities and improving the quality of life in them will be our legacy.



Candidates for Officers 2015



Candidate for **AWWA DIRECTOR**

BOB WARD
Northwest Manager
AECOM Water

AWWA Involvement

I have been an active member of the water industry for thirty years. My first eighteen years were spent with Portland Water Bureau and a private utility in Montana. The past twelve as a consulting engineer have allowed me to work with utilities and other AWWA Sections throughout the West. My roles have included engineering, water quality, operations and management. As a former Certified Operator for Distribution and Treatment, I have relied on AWWA for obtaining my CEU's.

- Three key accomplishments for PNWS that I am proud to have led are:
- 2012 Strategic Plan – still used by our Section and aligns with the AWWA Strategic Plan
- 2014 Partnering Agreement with Pacific Northwest Clean Water Association
- As Section Chair, creation of the Ad Hoc Committee that resulted in the Training Coordinating Committee

My involvement with AWWA includes numerous section and national committees:

- PNWS Board of Trustees: 2007-2013 and Section Chair 2011/2012
- PNWS Section Conference Local Arrangements Committee: 1998, 2005 (Co-Chair), 2008 (Co-Chair), 2009, 2010, 2012
- PNWS Committees: Water Treatment, Research, Water For People, Manufacturers, Suppliers and Consultants (Former Chair), Past Chairs (Former Char)

- AWWA National Regulatory Technical Advisory Workgroup: 1999-Present
- Presentations/Training to Sections, Sub Sections and Short Schools

Education/Awards

- In 2014, I was honored to receive the PNWS Manufacturers and Consultants Award of Excellence.
- In 2007, I was honored to receive the PNWS Section Heart and Soul Award.
- Bachelor's Degree in Civil Engineering – Montana State University
- Masters Degree in Environmental Studies – University of Montana

Personal/Hobbies

My wife, Robin, and I have 3 grown sons and two granddaughters. My interests include golfing poorly, running slowly and biking. My current goal is to complete a 100 mile ride with Robin on our tandem bike.

As a Director, you have a dual role of serving on the PNWS Board and leadership on the AWWA Association Board. My past experience with the Association, PNWS and other Sections has provided a solid background for me to provide the Association and Section direction.

It would be an honor to serve as your Association Director. I welcome the opportunity to continue in a leadership role for PNWS and AWWA.



Candidate for **AWWA DIRECTOR**

KARI J. DUNCAN
Water Treatment Plant Manager
City of Lake Oswego

AWWA Involvement

- PNWS-AWWA Board of Trustees: 2009-2014 (OR/ID Trustee, Chair Elect, Chair and Past Chair).
- AWWA Ozone Standards Committee Member: (2013-Present)
- PNWS-AWWA NW Oregon Subsection Waterworks School Committee (Treatment/Water Quality Section): 2005-2014
- PNWS-AWWA Water Quality Committee Chair:

- July 2008-May 2009
- PNWS-AWWA Subsection Advisory Council Officer (Chair, Vice Chair, Secretary, Oregon State Coordinator, Top Ops Coordinator) May 2004-May 2009
- PNWS-AWWA Cascade to Coast Subsection Officer (President, Vice President, Secretary, Web Page Coordinator): 2003-2005

Education/Awards

- MPA, Public Policy and Management: University of Oregon and BS, Biology and Environmental Sciences: Willamette University School of Liberal Arts.
- State of Oregon Water Treatment Operator 4, Filtration Endorsement and Water Distribution Operator 3 Certifications
- 2004 PNWS-AWWA Alan Jones Memorial Academic Scholarship
- 2003 PNWS-AWWA Ameron International Academic Scholarship
- Top Operators PNWS-AWWA Competition Champion: 2004 and 2002, Finalist 2004 and 2002 ACE AWWA competition

Personal/Hobbies

Married to Ken for 14 years with sons Kenny (6) and Truman (3). We enjoy hiking, backcountry skiing, hobby-farming, canning and home brewing.

My Vision for the Section

The water industry faces the daunting tasks of repairing and upgrading aging infrastructure, planning for the affects

of a changing climate, and strengthening the public's trust in drinking water. I have learned in my work with the Lake Oswego-Tigard Water Partnership that major infrastructure upgrades face a minefield of challenges that span from permitting and regulatory issues, funding challenges, and public opposition. Provision of safe, clean water is more than simply a technological challenge and AWWA is in a position to provide tools to water systems to negotiate this minefield. As Section Director it will be my goal to help the PNWS-AWWA prepare our workforce to face these challenges through education, research and career development. Students; both high school and university level, and those in similar trades or professions are all potential drinking water professionals if we can find a way to reach them. The support of scholarship opportunities for students seeking a profession in the water industry is a big part of this.

It is essential that we learn all that we can from our seasoned professionals. Some of our most experienced and valuable educators are retired (or semi-retired) water professionals. As director of the Section I will encourage retirees to continue to be active in AWWA so that they can pass their knowledge and experiences on to the incoming generation.



Candidate for **OREGON/IDAHO TRUSTEE**

MAX WOODY
PW Operations Manager
City of Central Point

I am very honored and excited to run for PNWS Oregon/Idaho trustee and I want to thank the City of Central Point in supporting me in this endeavor. I started with the City of Central Point in 2001 as an equipment operator. Coming from the private sector, I never had a second thought about where the closest water treatment plant was or if the glass of water I was drinking had been sampled that day for quality. Over the years and as I worked my way through the ranks as a Leadman, Supervisor and now as the PW Operations Manager, I have come to realize the importance of Public Works and especially supplying quality drinking water to the residents of Central Point. Whether it is taking water samples to assure that we are delivering quality drinking water or repairing a water main break on a holiday morning while people are preparing their family feasts, I/we play a silent, but vital role in providing safe, quality water to our residents.

I am asked from time to time, "Why are you involved with the PNWS?" My short answer is the top notch training that is offered and networking with great people. If you have not been to one of the various short schools put on by one of our subsections, you are definitely missing out. The tours, classes and trainings put on at our annual Section

conferences are absolutely the best around. One of the reasons that the networking is so phenomenal is because you can listen to a great instructor in a class just before lunch and then sit next to that same person 10 minutes later and share a sandwich with them. The PNWS has the smartest engineers, the cleverest operators and most innovative utility workers around and they are all as close as your phone or a quick e-mail because of the great networking that is available within the PNWS.

Now a little bit about me. I started at the subsection level in 2007 and served as the Southern Oregon Subsection President in 2011/2012. During that time, I had also gotten involved with Water For People through the WFP subsection committee and working with the WFP auction at the Section conferences. I am currently serving my 3rd year with the Subsection Advisory Council and will become the SAC Chair in May of 2015. I have also helped out on the Manufacturer's, Suppliers and Consultants committee, helping to secure vendors and sponsors for the Section conference for the past two conferences. This past year I served on the Local Arrangements Committee for the Eugene conference and despite being one of the smallest venues to host the conference in a while and quite a few obstacles in our way,



Candidates for Officers 2015

our LAC managed to pull off a record setting year (based on income) for the annual event.

As far as my hobbies, I like rafting the Rogue or any other river for that matter, Camping and elk hunting have always been two passions of mine. I also enjoy watching college football, particularly Eastern Oregon football where my son, Andrew is playing his senior season. GO MOUNTIES!!! Since

becoming involved with the PNWS, I have also taken up golf and you can find me 'hacking away' at many of the subsection golf tournaments. Maybe someday I will feel good enough about my golf game to actually say that I 'play golf.'

Because the PNWS has given me so much over the past seven years, I would be thrilled and honored to serve as the Oregon/Idaho trustee.



Candidate for **OREGON/IDAHO TRUSTEE**

MICHAEL WHITELEY, P.E.
Senior Water Engineer
Gresham, Oregon

I am honored to have been nominated as a candidate for the Oregon Section Trustee position for the Pacific Northwest Section of the AWWA. Throughout my 23 years as a member, AWWA has provided me opportunities to meet and work with some extraordinary people.

I began my professional career with the Oregon Health Authority, which afforded me a good background in the regulatory side of the drinking water business. For the past 16 years I have been employed in the municipal side of the industry working for the Powell Valley Water District, City of Portland and now for the City of Gresham.

AWWA Involvement

- AWWA member for over 23 years
- N.W. Oregon Sub-Section Treasurer 1994-95
- Secretary 1995-96
- Vice-President 1996-97
- President 1997-98
- Subsection Advisory Council Chair 2001
- PNWS Audit Committee 2003-Present

Other Organizations

- Tualatin Valley Water District Budget Committee Member 2003 to present
- Aloha High School Lacrosse Board Member
- Past Treasurer for the Beaverton Area Little League

Personal/Hobbies

I enjoy spending time with my family, which includes my wonderful wife of 23 years and three boys (our oldest is

about to turn 21, wow!). We love to camp although as the boys have found other interests and jobs we seem to be doing less of that. I enjoy playing golf, disk golf, hiking, fishing and traveling, and I am an avid Portland Trailblazer fan.

My vision for the Section

Extremely talented and dedicated people have grown this Section into one of, if not *the* premier AWWA Sections in the country. I hope to continue in their footsteps and help maximize the benefits to all members.

Having worked for the Oregon Health Authority and visited many water systems, I have seen the difficulties and struggles operators face in maintaining small water systems. With the ever increasing complexity of new regulations and system operations, there is a need for cost-effective training opportunities for small water systems and their operators. One of my goals is to look for more opportunities to use technology to provide training, particularly for those that find it difficult to attend in person.

My vision also includes continued support and growth of the Education and Training Fund. I believe that any investment we make today will provide dividends to the Section in the long run as evidenced by some of our past recipients of scholarships and the contributions they are now making in the drinking water industry.

I am proud to be part of an industry that provides a vital service to our community and would be honored to serve as your Trustee.



Candidate for **WASHINGTON TRUSTEE**

JEFF LUNDT, P.E.

Principal Wastewater Engineer

King County Wastewater Treatment Division

I appreciate the opportunity to run for the position of Washington Trustee. This year I received my 30-year pin for membership in AWWA. While I was a member with minimal involvement in my early years, I became increasingly active in PNWS in 2001 when a friend invited me to come to a subsection board meeting. Before the meeting was over I realized how much more I would enjoy the organization if I, too, became involved. What a difference it made in my life to have one person say, "Please join us." We all need to keep or take up the 'please join us' attitude in our daily work as water professionals to build AWWA and the drinking water industry. A diverse, involved and expanding membership is a keystone to the health of our Section. I would like to make fostering membership growth and involvement my key initiative as Trustee.

AWWA Involvement

- AWWA member for 30 years
- Previously Northwest Washington Subsection Trustee (1 year), Vice President (4 years), President (5 years)
- Currently Program/Training Chair of the Northwest Washington Subsection
- PNWS Budget and Finance Committee Chair since 2009
- Member of the Training Coordination Committee (TCC) since its inception in 2011
- Editor for the new Basic Water Works training curricula developed by the TCC
- Director of the Western Washington Short School for Water & Wastewater Operators since 2006

Other Related Organizations

- Member of ASCE & WEF/PNCWA
- Education/Awards/Experience
- BS Civil Engineering Oregon State University – 1976
- Currently Registered Professional Engineer in Washington, Oregon, Idaho, Montana and Alaska
- Subsection Advisory Council Activities Award – 2009
- 29 years as a consulting engineer for public water and wastewater infrastructure; Nine years as an engineer with a regional government utility designing wastewater, water reuse and drinking water facilities

Personal/Hobbies

I enjoy teaching, mentoring and coaching. For 26 years I taught Mountain Oriented First Aid. I have mentored engineers joining the water and wastewater profession, and coached my daughter's youth volleyball team. Now we watch her high school varsity and club volleyball matches. Over the past 30 years I've actively participated in investment clubs – learning about publicly traded stocks and teaching others

the principles of investing as a group. For creative time, I enjoy woodworking making mirror frames, clocks and candle stick holders out of fallen Madrona tree limbs and other repurposed wood finds.

My Vision for the Section

The PNWS is a very strong Section primarily because of the time and effort the members put into subsections, committees and various activities. I believe increasing our membership revolves around providing activities that people can enthusiastically be a part of. Whether that is training (giving and receiving), networking, philanthropy or just comradery, we will attract and retain members if the Section, subsections and committees continue to offer what utility operators, managers, engineers and other industry folks need to stay current, to advance or just to have an outlet for their creativity, energy and passions.

I believe the Board can assist in this by working more closely with the subsections and committees to make sure they have the people, tools and finances to reach more people in the water industry and bring them into the fold. Our recent agreement to work closer with the PNCWA is a strong step in this direction. It allows our training to branch out to people who have not been part of PNWS before. It also aids operators and utilities that serve both water and wastewater functions in their communities increase the benefit of every hour and dollar spent on training by getting both water and wastewater CEUs for many of our training events. People want to be involved and are looking for opportunities. PNWS can provide those opportunities and continue to build a strong Section for the benefit of the people working in the water/wastewater industry and for the public we serve.

Conference attendee polls are a good start on keeping our finger on the pulse of what members need. Expanding those surveys into the rest of the PNWS membership and to the many people that attend training, fund raisers and other activities but are not listed on the membership rosters would also help the PNWS Board, committees and subsections focus their energies in providing training and activities that draw in more members and increase involvement.

I believe my multi-year involvement with the Board on budget and financial matters and collaboration with all facets of the Section equip me to quickly step into the role of Trustee. I will work with the Board, subsections and committees to continue to meet our goals and objectives of a strong Section providing training, networking and other opportunities to an ever expanding membership. It just takes a moment to personally invite one person to become involved and help them find a place at the PNWS table.



Candidates for Officers 2015



Candidate for **WASHINGTON TRUSTEE**

PAT EVERHAM
Utilities Superintendent
City of Kennewick

I have worked in the water industry for the past 19 years. Over those 19 years I have worked in several different positions throughout the City. Each of the positions that I have held, have been a great learning experience. The common lesson that I have learned is that the majority of our citizens have very little knowledge of what it takes to get clean, reliable water to their homes. I believe the American Water Works Association is the key to increasing their knowledge. Through the many committees that make up our section, we are able to be a resource for those that work in our industry.

My Vision for the Section

I believe the three main areas that will lead to the success of the section are increasing membership, the ability to network with fellow professionals, and providing training to our members. Increasing membership will increase our odds of getting our message out. Networking with fellow professionals allows us to expand our knowledge and pass on knowledge to those around us. Access to training will make our members more knowledgeable of the challenges we face as an organization and provide them tools to take on that challenge.

Personal/Hobbies

My wife Mary and I have been married for 23 years. I have two sons, Kaulin who is 16 and Korey who is 13. There's nothing like a family to keep you grounded and make you realize what life is all about. We love to spend time boating on the Columbia River and spending time fishing and camping.

AWWA involvement

- Secretary Cross Connect Control Committee 2002-2004
- Treasurer Central Washington Subsection 2005-present
- 2007 PNWS Conference LAC, Co-Chair
- Distribution Committee Secretary 2013-present
- Education/Awards
- B. S. Cellular and Molecular Biology, Minor Chemistry University of Nevada, Reno
- Masters in Public administration, Valdosta State University, Georgia
- Water Treatment Plant Operator IV
- Water Distribution Manager IV
- Cross Connect Control Specialist
- Wastewater Treatment Plant Operator IV



Candidate for **WASHINGTON TRUSTEE**

RONDA FARMER
IT Support Specialist
Spanaway Water Company

Experience and Involvement

First I would like to say how humbled I am to be nominated for a trustee position. I have worked in the water industry for the last 14 years. I began my career in the water field as a Customer Service Representative and currently I am an Information Technology Support Specialist. Along the way I have had experience in all aspects of customer service from working in billing to database management, systems support and installation, meter reading systems and cross connection. I am also a Washington State Cross Connection Control Specialist. I have been a member of AWWA and the Pacific Northwest Section for the past five years. In that time I have been

active in the South Sound Subsection, 2010 Local Arrangements Committee, Water Information Technology Committee, Customer Service Committee and the Training Coordination Committee. Currently I am serving as the President of the South Sound Subsection and Vice Chair of the Water Information Technology Committee. In May of 2012 I was honored to receive the Subsection Advisory Council's Activities Award.

Personal/Hobbies

During my time away from work I enjoy spending time with my husband Dwayne and our family of 5 children, 2 dogs and several chickens. My husband and I brew beer

and make wine and it has provided us so much fun over the years. I also find joy in baking, gardening and canning.

My Vision for the Section

Throughout all my work and interactions in this organization I am consistently amazed at the level of dedication and heart that our members have. The PNWS has allowed me to grow both personally and professionally. The PNWS's commitment to its memberships, training and sharing knowledge has been the key to its success.

As we move forward it is vital to share our years of experience and knowledge with the future generations of water professionals, whether that be through training, continued recruitment of new members or our young professionals. It is imperative that we not lose any of the experience and wisdom that our members gained. It is my belief that we should continue to build on the solid foundation that has been created for us. Through the use of fresh ideas and new emerging technologies we can continue to be leaders and trailblazers in our industry.



Candidate for **TRUSTEE AT LARGE**

CHRIS YOUNG
Regional Manager
DN Tanks

I began my career in the water industry and with DN Tanks five years ago. As a Regional Manager, it is my responsibility to provide the highest possible service and support to those within my territory, as well as to establish positive working relationships. As my current territory includes Oregon, Idaho, Western Canada, and Hawaii, my position has allowed me to travel and interact with many diverse organizations and water/wastewater professionals. In 2011, I moved to Portland to open a local Pacific Northwest office, which has allowed me to become a larger of the PNWS AWWA community.

AWWA Involvement

I am currently an active member of the Intermountain, Western Canada, British Columbia, Hawaii sections of AWWA. Of course, home is where the heart is and my heart definitely lies with Pacific Northwest section. I have been a member of the PNWS AWWA since 2009 and was hooked by the Young Professionals Committee, specifically the scavenger hunt! I have been an active member of the Young Professionals Committee and recently had the honor of serving as the Vice Program Chair for the Eugene conference in 2014. It was a privilege to have the opportunity to give back to the section in coordinating the technical program for the conference and providing training to the Pacific Northwest. It was also my honor to contribute and play a role in the Local Arrangements Committee. Currently I have the pleasure of serving as PNWS AWWA Program Committee Chair.

Education/Awards

- Bachelors of Science in Electrical Engineering with a minor in Management Science at the University of California, San Diego.
- Honorary Southern Oregon Mafia Member (2014)

Personal/Hobbies

Running, tennis, rock climbing, golf, traveling, to name a few. I ran my first (and last?) marathon in 2013 and more recently the Cascade Lakes Relay. I am open to any activity as long as they involve my main passion, which is my family and friends.

My Vision for the Section

The Pacific Northwest Section is one of the largest sections in AWWA and I hope to continue to serve as a leader and help the section provide the best training and education for the drinking water profession. I am fortunate that, as a manufacturer, I have the opportunity to interact with several different sections and subsections of AWWA, as well as several Water Industry-related organizations outside of AWWA.

Through my involvement with AWWA, I have always been the most impressed with two things: 1) The dedicated, hard-working, and outright amazing people and 2) The resources AWWA strives to provide to the drinking water community (one of which is the people themselves!). As impressed as I am with the section, I am always surprised when drinking water professionals are not able to get in touch with the right people or find the right information they are looking for. Though my tenure in the water industry is young, I have already had the subtle enjoyment of being able to connect people with each other and with the resources that they need. With a focus helping those within subsections, young professionals, and technical committees, my main vision is to lead the Section in promoting itself as a leader in its network of people and information in the water industry.



Candidates for Officers 2015



Candidate for **TRUSTEE AT LARGE**

JENNIFER GARBELY

Project Manager
Murray, Smith & Associates, Inc.

When I ruminate about AWWA the first thing that comes to my mind is family. In a family, we cherish each other by supporting each other to grow, teach, inspire, mentor, and have passion and love. Just like any family, they are there for you when you laugh, cry, succeed, fail, and try again. Each family member brings a uniqueness that builds a special relationship within the family that lasts a lifetime.

My AWWA journey started in 2004 at a young professional networking event at Rock Bottom Brewery. I didn't know it yet, but the woman who would become my mentor, Miss Sally Mills, talked me into joining the Northwest Oregon Subsection Membership Committee. The sense of an AWWA family did not register until after I returned from Sri Lanka, where I was working with my husband on a CH2M HILL project to construct a new water system for a community devastated by the 2006 Tsunami. I was awarded a scholarship to attend the Salem Section Conference. Little did I know that I was now hooked! I owe a special thank you to Bob Ward, who consistently supported me in AWWA involvement. From there I became

an officer of the Young Professional Section Committee and then an officer of the Northwest Oregon Subsection.

Of course, every family has one black sheep—you know, the one in the hat who talks people out of their money. Currently, I am working on funding for a scholarship in the name of Young Professionals for the Education and Training Fund. For the past two years I have helped Chuck Kingston organize the NW Oregon Wine For Water Event for Water For People. I would be honored to serve the section as trustee to give my knowledge, enthusiasm, trust, and motivation.

In addition to my AWWA family, I have an amazing husband named Dan and a beautiful two year old daughter named Syrah. From these two I have learned that nothing can stop you from your dreams but you. There is a passion in my heart for wine and with the birth of our daughter, Dan and I were inspired to make our first wine. Most people would start with a five gallon batch, but the Garbelys jumped in with two feet, starting with a half-ton of grapes to make a barrel of wine. What does one do with a barrel of wine? The same as you do with drinking water, you put it on tap!



Candidate for **TRUSTEE AT LARGE**

PIERRE KWAN

Senior Project Manager
HDR

AWWA Commitment

My passion is working in the drinking water industry to find solutions to challenging issues. I have been an active member of both the local and national chapters of AWWA committees since 2000. Specific activities I have participated include the following:

- Chair of the local Water Treatment Committee for the past two years after serving two years each as Secretary and Vice-Chair.
- Member of the 2015 Bellevue Conference local arrangements committee.
- Past Chair of the national Plant Operations and Energy Management Research Committee.
- Member of the national Inorganics Contaminant Research Committee.

- Contributor to the AWWA Manual of Practice, M64: Aeration and Gas Stripping.
- Contributor to the AWWA Manual of Practice, M58: Internal Corrosion Control in Distribution Systems.
- Peer technical reviewer for the Journal AWWA.

In addition, I volunteer annually to provide technical trainings and presentations at the Western Washington Short School, the classroom and hands-on training forums hosted by the Water Treatment Committee, and for various other subsection events. I am also a frequent contributor to Water For People.

Education and Experiences

I started out in art school (the Columbus College of Art and Design), realized that I was not the next Picasso, and

switched to the Ohio State University to graduate with my Bachelor's of Science in Civil Engineering. I worked for a while at the City of Moraine, Ohio Engineer's Office and Ohio Dept. of Transportation. Afterwards, I moved to Seattle to obtain my Master's of Science in Civil Engineering from the University of Washington. Before joining HDR 14 years ago, I spent a bit of time on the wastewater side for King County Department of Natural Resources. Now at HDR, I have had the pleasure to work with many utilities throughout our Section on treatment and distribution system issues.

Other Activities

My wife, Jessica, and I spend much of our time chasing after our 2-year-old son, Nicholas. We love to go camping hiking, and traveling to new places. Whatever free time we have left is spent fixing up our 100-year old house. I still pick up the old brush every now and then to do some painting but I still have yet to sell anything.

My Vision for the Section

Our section is one of the most active and energetic in the whole AWWA, but there is always room for improvement. In all my experiences around the Section, I believe that we can become better by implementing the following:

Sharing the Benefits of the AWWA with Others – There are many people joining our field that will benefit greatly from the professional knowledge and career mentorship that the AWWA provides. In addition, our Section has done well in getting large to mid-sized utilities to recognize the

value that we provide, but we still struggle to get smaller water systems to make the same recognition, the ones that have the least internal support to begin with. I would help develop recruiting strategies that each subsection and committee can use to reach those who should be in AWWA but haven't still joined.

Sharing our Knowledge with Each Other – I have always been a strong advocate of members helping and teaching each other to the greater benefit of the entire water industry. We currently have frequent in-person training events throughout all three states on a wide variety of critical topics. We now need to advance our trainings by leveraging technology to reach both a wider audience as well as to those members who have difficulty sending people to off-site events. I would ask the Section prepare web-based training seminars and prepare a digital library encompassing a variety of trainings so we can expand our outreach.

Staying Ahead of the Curve – We are continuously facing new challenges with aging infrastructure, older workforces, increasing costs, new regulations, greater demands, and limited water supplies. Instead of simply reacting to these challenges, I will help the Section identify the most critical trends and issues and then prioritize training opportunities and efforts so that all of us can proactively get ahead of these issues.

I appreciate the opportunity to run as a Trustee candidate. I believe that my energy, devotion, and vision will be a big benefit in ensuring that our Section continues to serve the needs of our members.

 **Look for your ballot in the mail soon.**



Every drop along the way...

Clean. Safe. Sustainable.

Utility Service Group has proudly served the potable and industrial water industries for over 50 years. Today's Utility Service Group provides comprehensive condition assessments, rehabilitation services and sustainable asset management solutions throughout the whole water cycle.


utilityservice.com

Call us to discover how our sustainable and unique solutions can assist you in improving the management of your water system.

The States of Oregon & Idaho
Jeff Austin | 503.713.8823
jaustin@utilityservice.com

The State of Washington
John Kitchen | 503.577.4194
jkitchen@utilityservice.com

Our concern for the environment



is more than just talk

As we continue to deliver valuable information through the pages of this magazine, in a printed format that is appealing, reader-friendly and not lost in the proliferation of electronic messages that are bombarding our senses, we are also well aware of the need to be respectful of our environment. That is why we are committed to publishing the magazine in the most environmentally-friendly process possible. Here is what we mean:

- We use lighter publication stock that consists of recycled paper. This paper has been certified to meet the environmental and social standards of the Forest Stewardship Council® (FSC®) and comes from responsibly managed forests, and verified recycled sources making this a RENEWABLE and SUSTAINABLE resource.
- Our computer-to-plate technology reduces the amount of chemistry required to create plates for the printing process. The resulting chemistry is neutralized to the extent that it can be safely discharged to the drain.
- We use vegetable oil-based inks to print the magazine. This means that we are not using resource-depleting petroleum-based ink products and that the subsequent recycling of the paper in this magazine is much more environment friendly.
- During the printing process, we use a solvent recycling system that separates the water from the recovered solvents and leaves only about 5% residue. This results in reduced solvent usage, handling and hazardous hauling.
- We ensure that an efficient recycling program is used for all printing plates and all waste paper.
- Within the pages of each issue, we actively encourage our readers to REUSE and RECYCLE.
- In order to reduce our carbon footprint on the planet, we utilize a carbon offset program in conjunction with any air travel we undertake related to our publishing responsibilities for the magazine.

So enjoy this magazine...and **KEEP THINKING GREEN.**

Stands up to the hardest tests.



Tough, yet smart—the Druck DPI 611 pressure calibrator.

With the Druck DPI 611 pressure calibrator from GE you don't sacrifice robust performance for easy-to-use features. Generate pressure in seconds and get best-in-class accuracy from this rugged, ergonomically designed hand-held device. Save time with an intuitive menu that recalls favorite tasks and documents data. And stay current with the latest in smart device technology including a touchscreen interface and a large color display.

GE's calibration solutions.
Another example of how GE works—smarter.

For further details, contact:
Pacific Test and Measurement
sales@pacifictestandmeasurement.com
http://www.pacifictestandmeasurement.com/
503-406-4373



PITTSBURG
TANK & TOWER
MAINTENANCE CO., INC.

SAVE!
**We have a crew in
YOUR AREA!**

Inspections	Repair	New & Used	Tanks
Wet	In Service Cleaning	Relocation	Elevated
Dry	Paint	Erection	Underground
ROV	Insulation	Dismantles	Ground Storage

ROV inspections can be viewed on TV console during inspection & DVD provided. All inspections include bound reports, recommendations and cost estimates.

Vicky Caudill
270-826-9000 Ext. 107
www.watertank.com



Parametrix

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES



SCADA and control systems | Comprehensive water system planning
 Water system design | Distribution and storage
 Groundwater and surface water treatment
www.parametrix.com

Kennedy/Jenks Consultants

www.KennedyJenks.com

*Enduring relationships
 Trusted expertise
 Promises delivered*

- ◆ Asset Management
- ◆ Master/Facility Planning
- ◆ Pumping & Conveyance
- ◆ Source Development
- ◆ Stormwater
- ◆ Water Quality & Treatment
- ◆ Water Reuse

Offices in:
 Federal Way + Seattle +
 Portland + Eugene

ALPHA™ RESTRAINED JOINT

The newly designed Alpha is approved for use on:

- ✓ Ductile Iron
- ✓ PVC: C900 & C909
- ✓ IPS PVC
- ✓ HDPE (no stiffener required)



Visit www.romac.com for details

ROMAC
 INDUSTRIES, INC.

1.800.426.9341
www.romac.com

Electronic Leak Detection and Correlator Leak Surveys



Western Washington... 888.747.7118 Eastern Washington... 800.928.5325
 Northern Idaho... 800.928.5325 Southern Idaho... 208.376.6292
 Oregon... 888.777.5325
AmericanLeakDetection.com

Waterline Envirotech Ltd.

Water level indicators

Customer Friendly!



Proudly made in the USA for over 30 years.

In sizes ranging from 35 feet to over 2000 feet and metric.

Speedy, economical repair service available

www.waterlineusa.com
contact@waterlineusa.com
 360-676-9635

Our work has a lasting ripple effect

Bellevue
 Portland
 Spokane
stantec.com



listen. think. deliver.®

Water
 Environment
 Transportation
 Energy
 Facilities

CDM Smith
cdmsmith.com

Seattle • Bellevue, Washington

STAINLESS STEEL
 by Ford Meter Box



<http://www.fordmeterbox.com>



REACH OUR ADVERTISERS

COMPANY	PAGE	PHONE	WEBSITE
AECOM	17	503-227-1048	www.aecom.com
American Ductile Iron Pipe	22		www.american-usa.com
American Flow Control	25	800-326-8051	www.american-usa.com
American Leak Detection	41	888-777-5325	www.americanleakdetection.com
Ameron Water Transmission Group	11	209-836-5050	www.ameronpipe.com
Blue-White Industries, Ltd.	43	714-893-8529	www.blue-white.com
Branom Instrument Co.	21	206-762-6050	www.branom.com
Brown and Caldwell	18	206-624-0100	www.browncaldwell.com
Calgon Carbon Corporation	3	800-422-7266	www.calgoncarbon.com
Carollo Engineers	19	800-523-5826	www.carollo.com
Cascade Analytical Inc.	3	800-545-4206	www.cascadeanalytical.com
CDM Smith	41	206-336-4900	www.cdmsmith.com
Corrpro	4	425-251-8411	www.corrpro.com
DN Tanks	2	503-323-2000	www.dntanks.com
Edge Analytical	4	800-755-9295	www.edgeanalytical.com
Engineering America	21	651-777-4041	www.engamerica.com
Envirosight	17	973-252-6700	www.envirosight.com
Ferguson Waterworks	9	800-283-8803	www.fergusononline.com
Force Flow	26	800-893-6723	www.forceflow.com
Golder Associates, Inc.	11	425-883-0777	www.golder.com
H.D. Fowler Company	24	800-487-5290	www.hdfowler.com
Huber Technology Inc.	8	704-990-2055	www.huber-technology.com
Hydra-Stop	25	708-389-5111	www.hydra-stop.com
Kennedy/Jenks Consultants	41	206-753-3400	www.kennedyjenks.com
Lakeside Industries	11	425-313-2681	www.lakesideind.com
Murray, Smith & Associates, Inc.	10	503-225-9010	www.msa-ep.com
Neptune Technology Group	25	800-633-8754	www.neptunetg.com
Owen Equipment Company	9	503-255-9055	www.owenequipment.com
OXARC	3	800-765-9055	www.safety@oxarc.com
Pacific Test and Measurement	40	503-406-4373	www.pacificstandmeasurement.com
Parametrix	41	360-850-5307	www.parametrix.com
Pittsburg Tank & Tower Company Inc.	40	270-826-9000	www.watertank.com
Pollardwater.com	44	800-437-1146	www.pollardwater.com
Raven Lining Systems	13	800-324-2810	www.ravenlining.com
RH2 Engineering, Inc.	7	425-951-5400	www.rh2.com
Romac Industries	41	425-951-6200	www.romac.com
Shannon & Wilson, Inc.	21	206. 632.8020	www.shannonwilson.com
Stantec	41	425-869-9448	www.stantec.com
SYBIS	14	206-686-8463	www.sybissolution.com
The Ford Meter Box Company, Inc.	41	260-563-3171	www.fordmeterbox.com
Utility Service Group	15	855-526-4413	www.utilityservice.com
Utility Services Associates	39	877-585-5325	www.leakdetectionservice.com
Waterline Envirotech Ltd.	41	360-676-9635	www.waterlineusa.com



To reach water industry professionals in Washington, Oregon and Idaho through **Water Matters** magazine and its targeted readership, please contact me at:

Darrell Harris | 1-877-985-9793 | darrell@kelman.ca

ProSeries-M[®]

PERISTALTIC METERING PUMPS

for WATER and WASTEWATER TREATMENT

Proseries-M Metering Pumps are well suited to pumping a wide range of aggressive and viscous chemicals used in water and wastewater treatment. The operator simply changes the pump tube assembly to the appropriate material for the chemical being injected. This permits standardization to a single pump model for several different chemical applications.

Proseries-M Peristaltic Metering Pumps are currently offered in three models, providing a wide range of feed rates and capabilities; M-2, M-3 and M-4.

- Feeds range from as low as .0002 GPH / 2.10 LPH up to 158.5 GPH / 600 LPH. Maximum pressure 125 psi / 8.6 bar.
- Exclusive, Patented Peristaltic Pump Safety Switch – Pump only operates in maintenance mode while front cover is removed, helping to protect operator safety.
- Exclusive, Patented Tube Failure Detection (TFD) system.



IP66
NEMA 4X
WASH DOWN
TFD system
Tube Failure Detection
NSF
Standard 61
CE ETL

Blue-White Industries

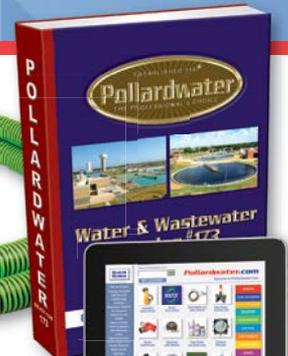
5300 Business Drive, Huntington Beach, CA 92649 USA
714-893-8529 • fax: 714-893-8529 • sales@blue-white.com
www.proseries-m.com • www.blue-white.com

- Multiple signal inputs and outputs.
- 5 Year Comprehensive Warranty.

Pollardwater



Pollardwater offers the most complete line of pumps and pump accessories for Water and Wastewater.



800-437-1146 • www.pollardwater.com