



American Water Works Association
Pacific Northwest Section

WINTER 2015/16

WATER *matters*

The Official Magazine of the
Pacific Northwest Section – AWWA

**2016 PNWS-AWWA
Section Directory &
WATER *matters*
Buyers' Guide**

- ▶ **Historian's Corner**
- ▶ **Message from the Chair**
- ▶ **Subsection Reports**

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

Committee Report • Gray Matters • Association Director's Report



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.

503.323.2000 | www.dntanks.com

Nick Belmont, Regional Manager
Cell: 503.449.6006

Chris Young, Regional Manager
Cell: 503.893.5288



DYK and Natgun
Generations Strong

HORIZON
WATER CARE PRODUCTS

PTF-100 CHLORINE FEEDER

**Still Feeding
Bleach or Gas?
Frustrated with
Cal Hypo?**



**Go To:
alpinetech.us/ptf**



Visit ATS online at AlpineTech.us

Alpine Technical Services World Headquarters
601 West 6825 South | Midvale, Utah 84047 USA
Phone: 801-997-6340

Copyright © 2015 Alpine Technical Services - All Rights Reserved



The water meter technology race is on. Ferguson Waterworks is out in front.

With advanced metering technology, your business can be more efficient, more profitable and more service oriented than ever before.

Automated Meter Reading (AMR) and Advanced Metering Infrastructure (AMI) are more than industry buzzwords – they provide a steady flow of valuable data to achieve your business goals, and provide consumers critical understanding of their own usage habits. The result is better business and improved stewardship of our water resources.



SENSUS

FERGUSON[®]
Waterworks

Meter & Automation Group

Northwest Washington

Tom Erickson
(253) 375-3055

**Southern Washington /
Columbia Gorge / Northern Idaho**

Tammy Rogers
(503) 209-4902

Oregon / Northern California

Pat Hart
(541) 221-4332

Southern Idaho

Bob Ferlic
(208) 921-9031

FERGUSON.COM/WATERWORKS

**PNWS-AWWA 2015-2016
BOARD OF DIRECTORS**

Association Director:
BRENDA LENNOX

Chair:
RANDY BLACK

Chair Elect:
LACEY GOERES-PRIEST

Past Chair:
JASON CANADY

Washington Trustee:
JACKI MASTERS
JEFF LUNDT

Oregon-Idaho Trustee:
BRAD TAYLOR
MIKE WHITELEY

Trustees at Large:
DAN KEGLEY
JENNIFER GARBELY

Treasurer:
MARSHALL THOMPSON

Executive Director:
KYLE KIHS

Publications Chair:
CORIANNE HART

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

facebook **twitter** **LinkedIn**

Published by



Managing Editor: Cole Kelman
Layout & Design: Daniel Goulet
Sales Manager: Darrell Harris
Advertising Coordinator: Stefanie Hagdiakow

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



© 2015 Craig Kelman & Associates Ltd.
All rights reserved.

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

Features

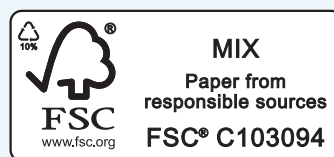
2016 PNWS-AWWA SECTION DIRECTORY **34**
2016 PNWS-AWWA SUBSECTION DIRECTORY **43**
2016 WATER MATTERS BUYERS' GUIDE **49**



Departments

MESSAGE FROM THE CHAIR **6**
MESSAGE FROM THE EXECUTIVE DIRECTOR..... **8**
ASSOCIATION DIRECTOR'S REPORT **10**
COMMITTEE REPORTS **13**
SUBSECTION REPORTS..... **24**
GRAY MATTERS **29**
HISTORIAN'S CORNER..... **31**
PROFESSIONAL DIRECTORY..... **53**
REACH OUR ADVERTISERS **54**

Cover Photo: Lights reflected on stream through Lithia Park in Ashland, OR.
© Vivian Mcaleavey





The year ahead

In my speech at last year's conference in Bellevue WA, I had two specific goals for our Section. First, increasing membership and second, bridging the water/waste employment gap by way of the 2020 Vision Plan. I am pleased to update you on the progress we've made on these two most worthy endeavors.

The Membership Committee has produced information and ghost letters to help all of our 12 subsections assist in reaching out to folks who currently are not AWWA members. By the time you read this article, most, if not all, of the subsection presidents should have received their packets of information. These will assist them in reaching out to area utilities, vendors, consultants, and individuals who either occasionally attend Pacific Northwest section events or who do not attend at all. As all of you know, there is so much to be gained by membership in the American Water Works Association and being a part of the Pacific Northwest Section. There's no doubt in my mind we will see an increase by simply reaching out to these individuals and entities and extending a friendly invite. I want to thank all of the members of the Membership Committee, and specifically Chair Andreu Ferrero, for their dedication and hard work in helping to benefit our Section.

The 2020 Vision Plan is a five-year commitment by our Section. The Young Professionals (YPs) have really dedicated themselves to this effort, embracing the goals and objectives. The plan aims to profoundly unite young professionals and the water industry by the year 2020 to fill the growing void left by retirees exiting our industry. Our vision is to be a model for the nation and to align with AWWA's strategic initiative for a



sustainable future. The mission is to seamlessly unite multiple generations of water industry professionals by helping employers attract and retain talent and to support students, and YPs, in finding fulfilling work. In short, here is a small glimpse of the plans for this year; many of these goals have been or will be met this year.

We now have an organizational chart with two YPs and one seasoned professional in every subsection. The YPs plan to support each subsection in at least one career fair and strengthen the support of existing student chapters. We now have established ties and partnerships with the Pacific Northwest Clean Water Association for the first time, and we are developing an implementation plan for better connecting water operator training and utilities with involvement in YP and AWWA events. There is no

way to even begin to express the gratitude I have for all the YPs who have worked so hard in contributing to all the components of this venture. This committee has dedicated itself in such an unselfish way to the goals of the 2020 Vision. They believe it is for the greater good of future young professionals and our Section.

I do want to call out my sincere appreciation and special thanks to Meredith Noble, Chair for the 2020 Vision; and John Roth, liaison to the Board of Trustees. Their individual efforts toward this plan truly need to be recognized and appreciated by all.

In November, the YPs, along with the Section and the Pacific Northwest Clean Water Association, hosted the first-ever YP Summit. Speakers from both organizations provided opportunities on leadership skills, networking tips, building good workplace habits, and

how to communicate with elected officials. There were 92 who signed up to attend this educational opportunity. By all accounts, the information that was given and received by way of feedback was highly successful on all fronts. A big thanks goes out to the YP Committee, Jennifer Garbley, and to all the sponsors that contributed to this very successful event.

This year's Winter Trustees' Meeting takes place February 3 – 5 at the Vancouver Heathman Lodge in Vancouver, WA. The meeting is important because it provides a great way to come together with the 12 subsections to share information and provide training to ensure the continuity between the PNWS and AWWA. It's also a time to receive reports from the various committees within the Section on their progress and the training they have slated for the upcoming year. Because it provides a direct link between the subsections and the Board of Trustees, this training is of key importance for the education of new subsection presidents and their officers. The meeting allows the Board to meet with all subsection officers and pass along significant information

from the Association; it also affords valuable networking opportunities to those in attendance.

As Chair, it never ceases to amaze me how dedicated and passionate our members within the Pacific Northwest Section are. Personally, and on behalf of the entire Board of Trustees, let me say how much we appreciate the effort, the hard work, and the dedication we see from everyone who volunteers – whether it be an officer in the subsection, a committee member, committee chair, or a faithful staff member from your company or utility. This truly leads to the recognition and high regard the Pacific Northwest Section has in the AWWA.

Finally, I'd like to close with an update on the upcoming 2016 Section Conference May 7 – 9 in Boise, ID. Registration opens January 4, and I encourage you to plan on attending. The work going into this year's conference by Chair Camille Cegnar, and the rest of the Local Arrangements Committee, is sure to make it one of the best Section conferences. You don't want miss out. Boise is such a friendly and beautiful city, especially in May, when the weather is so pleasant.

I hope your holidays are full of quality time spent with family and friends, appreciating how truly blessed we are.

I look forward to seeing all you there, if not before, and remember this year's theme for our conference is "May The Source Be With You."

I hope your holidays are full of quality time spent with family and friends, appreciating how truly blessed we are. I wish each of you good health and prosperity in 2016. 🙏

Randy Black
Chair
rblack@lakewood-water-dist.org

YOUR PARTNER FROM CONCEPT TO COMPLETION

RH2
ENGINEERS
PLANNERS
SCIENTISTS

Reservoir Seismic Retrofits
Water Quality and Treatment
Water Storage and Distribution
Water Planning and Development
Energy Efficiency and Vibration Analysis
Environmental Compliance and Permitting

800.720.8052 | WWW.RH2.COM



Have you ever tried speed dating?

No, this is not an opening line from eHarmony.com. And it's certainly not something that has ever been written in *Water Matters* before. However, I am serious . . . you need to try speed dating, even if you are married.

With that being said, I invite all of you to attend this Section's First Ever Speed Dating event at our Winter Subsection Training and Trustee Meeting. It takes place at the Heathman Lodge in Vancouver, WA., on the evening of Wednesday, February 3, so be sure to mark your calendars.

Attendees will have an opportunity, under strict supervision and stringent time limits to "date/network" with representatives from many of our Section Committees. The goal is twofold: first, to network and meet others within our three-state Section; and secondly, to find out a little bit more about our various committees, their mission, and their needs. "We have many engaged subsection members who complete their

subsection officer rotation and never go on and volunteer with a committee at the Section level", says Section Chair-elect Lacey Goeres-Priest. "What we hope to accomplish with this speed dating is create some friendships and erase the fear of volunteering on a committee." Attendees will have just a few short minutes to visit each committee table and chat with an officer, before moving to the next table. Meet some new association members, find a committee you want to volunteer with, and enjoy dinner and drinks. Sounds like a great date night to me – don't miss it!

Registration opens Monday, January 4, for the Section Conference in Boise, ID (May 4 – 6). You will find conference information and registration links under the "Training" tab of our website (www.pnws-awwa.org). Like always, we have developed a great technical program for you, as well as a huge vendor trade show and numerous networking opportunities. Don't miss

the largest conference for water professionals in the Pacific Northwest.

You have until December 30 to vote in our Section election – don't forget to turn in your ballot. They will be counted Friday, January 8, and the election results announced at the Winter Trustee Meeting in February.

And finally, to close my final *Water Matters* column for the year, I want to thank all of you for being part of our great Section. We are doing good things in our industry; we have a very robust Section scholarship program that gives significant dollars annually to support the next generation of water professionals; we give over \$100,000 annually to Water For People, and we have a great time doing all of it. These are not insignificant achievements and, amazingly, they are all accomplished by volunteers. So many of you give of your time and it is greatly appreciated. I hope all of you have a wonderful holiday season. 🎁

Kyle Kihs, Executive Director

"We have many engaged subsection members who complete their subsection officer rotation and never go on and volunteer with a committee at the Section level", says Section Chair-elect Lacey Goeres-Priest. "What we hope to accomplish with this speed dating is create some friendships and erase the fear of volunteering on a committee."

Mark your calendars

Monday, January 4,
Registration opens for the
Section Conference in
Boise, ID May 4 – 6.

Wednesday, December 30
Deadline for ballots to vote
in our Section election.
Votes will be counted
Friday, January 8.

AIRVAC VACUUM SEWER SYSTEMS WILL SAVE YOU MONEY

AIRVAC vacuum sewer systems use smaller diameter pipes and shallower trenches which reduces excavation and surface restoration resulting in significant cost savings compared to conventional gravity sewers. The AIRVAC system requires only simple maintenance, is operator friendly and is completely sealed which eliminates any possibility of infiltration and inflow.

BILFINGER WATER TECHNOLOGIES

airvac.water@bilfinger.com

www.water.bilfinger.com





A homegrown fix to resource challenges and updates galore

In the Fall issue of *Water Matters*, I highlighted the value of water and a campaign, which took place in October, to raise awareness about water infrastructure and resource challenges. You might be surprised to know that we have underserved communities in the United States that lack adequate water and wastewater facilities.

In February 2014, Community Engineering Corps (CE Corps) was launched as an exciting new alliance between American Water Works Association, the American Society of Civil Engineers, and Engineers Without Borders, USA.

CE Corps helps underserved communities in the United States meet their infrastructure needs and improve each community member's quality of life. Members of the three founding organizations – AWWA, ASCE, and EWB-USA – can volunteer their time and expertise to assist communities

that do not have the resources to access engineering services.

CE Corps works collaboratively with communities to design solutions to problems that the community has identified. Only communities that do not have the financial resources to access engineering services in a traditional manner are selected. Volunteer-led project teams will have access to the resources necessary to ensure these projects are appropriate, sustainable, and comply with the regulatory environment standards within the United States. Learn about CE Corps projects and how to use your expertise to make an impact in the U.S. at www.communityengineeringcorps.org.

In 2015, 13 new project applications were approved with an additional project under review. The following projects are currently open and accepting project team applications:

- Delta Junction, Alaska – public water system deficiencies
- Chloride, Arizona – water supply and water efficiency

Association Updates

For our upcoming AWWA winter board meeting in January, we have exciting news and a busy agenda. Kari Duncan, incoming Association Director, will attend the meeting as a visitor to observe the process before taking office at the end of the Annual Conference and Exposition in June. My current term as Director will end at that time, and I will transition to AWWA President-elect.

Additional exciting news is our successful nomination of Marshall Thompson, Suez Water Idaho, for the Director-at-Large position. Marshall's background in IT, finance, and management provide a diverse perspective – an asset in the role of Director-at-Large. I am pleased

Leadership is about hiring qualified professionals and appreciating the differences they bring to the profession.

to report Marshall is one of three candidates on the ballot. Marshall will answer a series of provided questions, which will be distributed to the board for review. He will then give a speech during the winter board meeting, prior to the vote for election. The AWWA Board of Directors 43 Section Directors, Directors-at-Large, Council Chairs and Presidential Officers will vote to determine who the Director-at-Large will be. If Marshall is successful, the PNWS could be well-represented on the Association Board by Kari, Marshall and myself! Colleagues I serve with on the Association Board keep telling me, "We are making history." I know our PNWS members are also making history in the leadership we provide.

A few of the additional agenda items will include: election of four Vice-Presidents; approval of Aurel Arndt, Past Water Utility Council Chair, as AWWA Treasurer; 21st Century Membership Model update; and AWWA's Charity of Choice. I will provide updates during our PNWS winter board meeting and in the Spring 2016 issue of *Water Matters*.

**PITTSBURG
TANK & TOWER
MAINTENANCE CO., INC.**

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

<u>Inspections</u>	<u>Repair</u>	<u>New & Used</u>	<u>Tanks</u>
Wet Dry ROV	In Service Cleaning Paint Insulation	Relocation Erection Dismantles	Elevated Underground 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

During the past year, I have had several opportunities to share "my story" of service to our water profession. I began work at Wolf Creek Highway Water District after high school. A year later I went to work in private industry, where I remained for 15 years. In 1990 I returned to Wolf Creek as Gene Seibel's Administrative Assistant. Wolf Creek soon merged with Metzger Water District and became one of the largest water utilities in Oregon – Talatin Valley Water District (TVWD). In my 26 years as a dedicated "lifer," I have served in many capacities at my utility, Section and AWWA. I am appreciative of the professional colleagues at TVWD, and in the water profession, that I have become family with. I also appreciate TVWD's Board and management for allowing me the opportunity to serve a greater good in AWWA.

One of the most valuable lessons I learned early in my career came

from the mentor that hired me in the water profession who taught me, *people matter*. Leadership is about hiring qualified professionals and appreciating the differences they bring to the profession. I continue to appreciate this even more with my involvement with the Diversity Member Inclusion Committee. I attended a recent meeting with Jenn Minton from Carollo Engineers. Jenn is a Civil and Environmental Engineer who recently joined the Portland office after eight years in Dallas.

During our two-day meeting, I learned that Jenn has a passion for leadership and diversity. One of her favorite quotes is: "America has believed that in differentiation, not in uniformity, lies the path of progress. It acted on this belief; it has advanced human happiness, and it has prospered." Louis D. Brandeis, Associate Justice on the Supreme Court. This rings so true with our

committee's mission. I am excited to tap into Jenn's passion to promote and celebrate diversity in our Section. Leveraging diversity will help us to meet the strategic goal of Organizational Stewardship - AWWA will effectively and efficiently use its resources to serve its members and the water community.

Jenn and I are committed champions of diversity and member inclusion in the Pacific Northwest Section. If you have stories of your own to share, or are interested in this important mission, we would love to hear from you. Email Jenn Minton at jminton@carollo.com.

Thank you, for your leadership and service to the water profession. It is my privilege to serve as your Association Director. Best wishes for a healthy and productive 2016! 🇺🇸

Brenda Lennox
brenda.lennox@outlook.com

JOIN THE HYMAX LEGACY.

OVER A MILLION OF SUCCESSFUL INSTALLATIONS THROUGHOUT THE U.S.

HYMAX GRIP.

THE TEETH MAKE THE DIFFERENCE.



Nominal Pipe Size 1.5" - 12"

- The ultimate wide-range restraint coupling
- Patented extra-strength gripping system
- Restrains metal and plastic pipes

HYMAX VERSA.

VERSATILE STAINLESS STEEL COUPLING.



Nominal Pipe Size 1.5" - 70"

- Unique wide-range wrap-around coupling
- Exceptionally durable
- Excellent for hot soil conditions



www.krauszusa.com



neptunetg.com/droughtanswers



WE'VE BEEN SAVING FOR A NON-RAINY DAY.

For years, Neptune has saved utility customers precious water, as well as man-hours and money. That includes our customers in drought-prone areas, who've found that the same innovative AMR/AMI tools they've long counted on, like the E-Coder®)R900i™ absolute encoder/RF MIU, have prepared them to maximize water efficiency even during a severe drought. Neptune's customers already have the systems in place to meet new regulations on reducing water usage and loss.

Saving time, trouble, and of course, water – today and tomorrow.

Visit neptunetg.com/droughtanswers to see how other utilities found the answers they needed with Neptune.



Water Conservation Committee

2015 WaterSmart Innovations Conference

More than 1,000 professionals working in a wide range of water-related disciplines participated in the seventh annual WaterSmart Innovations Conference and Exposition, (WSI) October 7-9, 2015 in Las Vegas, NV. WSI – which is the world's largest urban water-efficiency conference – emphasized the sharing of ideas and best practices to help local communities achieve greater water efficiency and conservation.

The program included comprehensive professional sessions, panel discussions, pre-conference workshops and a sold-out expo hall. It also featured an opening keynote address by Mary Ann Dickinson, President and CEO of the Alliance for Water Efficiency. In addition, a luncheon featured the presentation of the WaterSense Partner of the Year Awards by the U.S. Environmental Protection Agency's WaterSense Program, and the Alliance for Water Efficiency.



Several members of the PNWS Conservation Committee attended this year's event including: Sarah Santner, Portland Water Bureau; Jeff Petersen, Eugene Water and Electric Board (EWEB); Kevin Wyckoff, EWEB; Julie Smitherman, City of Ashland; Mike Buettner, City of Bend; and Dave Searcy, Medford Water Commission. Mark your calendars for WSI 2016, slated for October 5 – 7, 2016, at the South Point Hotel and Conference Center in Las Vegas. For more information, visit www.watersmartinnovations.com.

Summer Committee Meeting



The Water Conservation Committee held a one-day, in-person summer meeting in Bend, OR, on Thursday August 27. The meeting agenda focused on drought management through water conservation innovation and technology. During the meeting, we discussed the 2016 budget, holding commercial water audit training, the selection of abstracts for next year's conference in Boise ID, training options using webinars, and providing easier ways for committee members to meet and attend training sessions throughout the PNWS. The next committee meeting will be a conference call in early December.

What's New?

In order to provide a more cost-effective way for the members of the Conservation Committee to meet and have training sessions, we have decided to hold two one-hour webinars during the 2016 fiscal year: one in the spring and one in the fall. Topics could include, but are not limited to, commercial/industrial water auditing, smart irrigation technology, non-revenue water tracking, and drought management through conservation in the Pacific Northwest. Stay tuned for more information regarding the next committee meeting and webinar at <https://sites.google.com/a/pnws-awwa.org/conservation/home>.

Stay Connected and Informed

Want to join the Conservation Committee or receive emails about upcoming meetings and events? Please contact Committee Chair, Julie Smitherman, for more information smithermanj@ashland.or.us or Vice-Chair, Mike Buettner, at mbuettner@bendoregon.gov. 

Stainless Steel Products

Superior Quality – Superior Protection



FORD www.fordmeterbox.com
Phone: 260-563-3171

STAINLESS STEEL
by Ford Meter Box 

PNWS Distribution System Committee

by Bill Reynolds, Chair

Meetings

The Distribution System Committee (DSC) continues holding its bi-monthly meetings by conference call and GoToMeeting. Members are invited to call in, log in, or attend in person at the PACE office in Kirkland, WA. Our committee continues to add people to its roster, with a current tally of 42 members on our distribution list. If you are interested in attending or logging in to a meeting, please contact Bill Reynolds for details. The DSC was well-represented at the Fall Trustees Meeting in Sun River, and our officers participated in the Program Committee's effort to assemble another outstanding slate of training tracts and presentations for the 2016 Conference in Boise, ID.

Training

The DSC will continue to support subsections and other committees in providing contacts and presenters for regional training classes. We will also pursue more direct training opportunities throughout the Section in 2016. As we develop pertinent topics and recruit presenters, we would love to hear input on training needs, as well as from individuals who wish to present a class.

Water Loss Control

One of our goals this year will be to recruit a new "Champion" for the Water Loss Control Focus Group, who can continue the mission of coordinating education and training in the area of water loss control, and promote this vital topic throughout the Section. If you, or someone you know, is interested in working with the DSC on the issue of water loss control, please contact Bill Reynolds to discuss.

2016 Conference

We are already halfway to our next Annual Conference, and the DSC is geared-up to provide a great mix of classes! We will have our regular Annual Membership Meeting during the conference to catch up with our fellow committee members, invite interested new professionals to join our ranks, and elect our officers. The meeting location and time will be announced in advance of the Conference, and posted on our website, www.pnws-awwa.org.

Please contact any of our officers for information about, or to share your interest in Committee efforts: Bill Reynolds, Chair billr@paceengrs.com, Pat Everham, Vice-Chair pat.everham@ci.kennewick.wa.us and Jeff Austin, Secretary jaustin@utilityservice.com. 



**The big one is inevitable.
The destruction of your pipeline is not.**

On average, there are roughly four magnitude-7 or greater earthquakes in the United States each decade, claiming lives, personal property and infrastructure. Loss of life can be minimized through emergency planning and preparedness. So can loss of water pipelines and running water, with AMERICAN's Earthquake Joint System. The system, made of ductile iron pipe – the strongest, most dependable pipe material – is designed to move up and down and side to side to withstand the tremendous underground forces exerted by an earthquake. After an earthquake, you have enough things to worry about. Destroyed water pipelines shouldn't be one of them. Rely on AMERICAN's earthquake pipe system for clean, safe drinking water and dependable fire protection – before, during and after an earthquake.

 **AMERICAN**
DUCTILE IRON PIPE
THE RIGHT WAY

To learn more, visit: www.american-usa.com • EOE/Minority/Female/Veteran/Disability

PNWS-AWWA Engineering and Public Information Committees

Save the Date

PNWS-AWWA Engineering and Public Information Committees announce an upcoming joint-sponsored Workshop:

Communications Training for Engineers and Other Techies

February 18, 2016, 9 am – 4 pm
Vancouver Water Resources Education Center; 4600 SE Columbia Way, Vancouver, WA

PDUs?

Yes, amount yet to be determined.

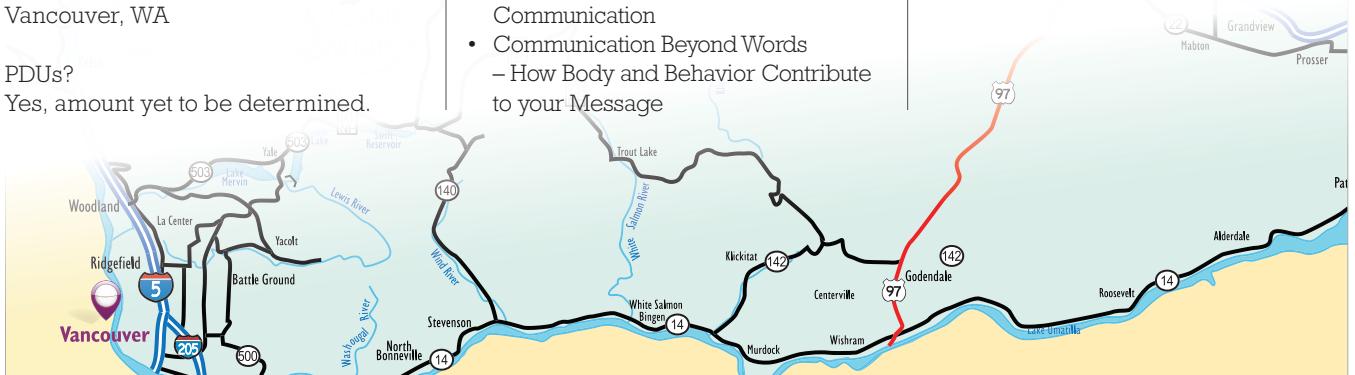
Cost?

Members – \$80 early bird, \$100 after January 28; non-members – \$100 early bird, \$125 after January 28

This Workshop is specifically designed for Engineering and Technical folks to sharpen communication skills. Experts will present on subjects such as:

- Using Brain Connections for Better Communication
- Communication Beyond Words – How Body and Behavior Contribute to your Message

- Crisis Communications for the Technically-Minded and,
 - Theories behind Visual Communication and Graphics
- Event registration and a full agenda will be posted on the PNWS-AWWA website shortly. You can also contact Tacy Steele, tacy.steele@hillsboro-oregon.gov or Todd Perimon todd.perimon@tvwd.org for more information. 



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 Advisory Council

This is a busy time of year for your Subsection Advisory Council. There are lots of conference calls, emails and phone calls as we set the agenda for the SAC Training at the Winter Trustee meeting in February. This year, we are focusing on getting more involvement from all of the subsections regarding the competitions, as well as covering some pertinent topics of particular interest to the subsections at this annual subsection training. The 2016 SAC Training and Winter Trustee meeting takes place at the Heathman Lodge in Vancouver. It all starts on Wednesday, February 3, at 4 pm, with a social event that looks to be very fun and interactive. Dinner will follow. The SAC training starts at 9 am on Thursday morning and is open to subsection officers and anyone else that would like to attend.

Then on Friday morning, at 9:30 am, is the Winter Trustee meeting where the subsection Chairs will give their annual reports to the PNWS Board, as well as discuss any other Section business.

The SAC training on Thursday will be fast-paced and cover lots of topics, including: the PNWS 2020 Vision; changes to how to get reimbursed from the Section; updating your subsection website (bring a laptop); and, as I mentioned earlier, lots of information about competitions.

Each competition coordinator will have a timeslot to discuss how to hold a competition at the subsection level, specific rules and any rule changes, deadlines to enter the Section competition (which is April 15 for all events) and possibly a demonstration or video of their event. We are also

Has someone in your subsection done an amazing job over the past year? If so, be sure to nominate them for a Subsection Activities Award.

working on having a subpage on the SAC webpage for each competition, which will explain the rules, deadlines, links for information, as well as the coordinator contact information. On Friday during the Trustee meeting, each subsection Chair or subsection representative will give their annual report to the PNWS Board.

We encourage you to stay for Friday and listen to the other subsection and committee reports. If you are a subsection leader, and you are present for the training on Thursday and stay for the Trustee meeting on Friday, the Section will reimburse you for your hotel accommodations.

Lastly, has someone in your subsection done an amazing job over the past year or past years? If so, be sure to nominate them for a Subsection Activities Award. There are three awards (one per state) given out at the Section conference in May. Each subsection can nominate one person for this award; we will be taking nominations on Thursday at the training. You can also find the nomination form on our webpage at <https://sites.google.com/a/pnws-awwa.org/subsection-advisory-council-sac/home/section-activities>. I hope to see everyone in February at the Winter Trustee meeting. If you have any questions, contact Max Woody SAC Chair) maxwoody@centralpointoregon.gov

CHLORINE SCALES

MONITOR USAGE • LOW LEVEL • FEED RATE

TON CONTAINERS

CYLINDERS

WIZARD 4000® ADVANCED DIGITAL SYSTEM

CENTURY® HYDRAULIC SYSTEM

FORCE FLOW

WWW.FORCEFLOW.COM

5 YEAR WARRANTY

NO FINGER POINTING. NO FINE PRINT...

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

INSTALLATIONS IN OVER 100 COUNTRIES

Scholarship Committee

The Pacific Northwest Section has helped nearly 200 students further their college education over the past 20 years. This effort is supported by: the Education & Training Fund – which provides an annual scholarship to the top applicant; Ameron International; and additional contributions from manufacturer and supplier conference registrations; Kelman and Associates; and subsections.


Each January, letters go out to educational institutions in the Pacific Northwest. Applications for the 2016-17 academic year scholarships

are available on the Section website, and due February 26.

The Section now has 12 recurring scholarships honoring members of the Pacific Northwest Section. These are:

- Ray Pettie/Bob Stiles
- Archie Rice
- Alan Jones
- Cynthia Driscoll
- Doane family
- Wubbena family
- Past Chairs
- Southern Oregon subsection
- Northwest Washington subsection
- RH2 Engineering

- Al Alsing
- Legacy Scholarship – which collectively honors those individuals yet to meet endowed status.

So what can you do to help our industry now? First, find an eligible student and make sure they are aware of this opportunity for help with their education. Second, consider making a tax-free donation to the Education & Training Endowment Fund. Finally, watch for young professionals ready to enter our profession. Give them a chance. As an industry, we need them as much as they need a start in their career. 

Water Resources Committee

The PNWS-AWWA Water Resources Committee (WRC) is focused strongly on our mission to:

“Provide a forum for information exchange about water resources issues for drinking water supply in the Pacific Northwest.”

The WRC was hard at work during the summer and fall developing sessions for the Boise Conference in May. Our programming objective is to share experiences and expertise, and discover innovative solutions together. The WRC is developing these sessions around the themes of Drinking Water Supply Resiliency and Building a Resilient Water Utility. The Boise Conference theme – May the Source Be With You – feels like a great fit with the WRC’s current efforts (not to mention its appeal to the Star Wars geek in all of us). We have completed a Pre-Conference Seminar on Drought Planning and Climate Change, along with Technical Sessions on Non-Traditional Approaches to Supply Resiliency, Managing a Water Supply Portfolio, and Water Quality Issues for Water Supply Sources (co-sponsored with the Water Quality Committee).

We are targeting one or more noon-hour webinars on the general subject of climate change impacts on water supply

resiliency and sources. The webinars are targeted for early 2016 (February to April). Be sure to check the WRC’s webpages for announcements of these upcoming events as plans will be finalized in late January 2016.

How to Get Involved with the Water Resources Committee

Monthly Water Resource Committee Meeting

We meet every third Thursday of the month from 3:30 to 4:30 pm, via Internet meeting space and conference call. We hope to encourage greater participation from throughout the PNWS by using virtual meetings this fall and winter. Our monthly meetings are where topics of interest are discussed and explored for development into webinars, technical sessions and workshops.


Quarterly Networking Socials

Socials are opportunities to network and discuss personal perspectives around contemporary water resource issues. Our next one will be in January; check the WRC website for details.

Lunch-n-Learn Webinars or Workshops
Water resource professionals are

invited to share their experience and expertise with PNWS-AWWA through the WRC and its network. Webinar technology allows us to bring the experts to your office. In some cases, the topic is too broad or complex for an online presentation so a workshop is organized. Past events, and some presentations, are posted under Workshops and Webinars on the Water Resource Committee website.

Annual Conference Technical Sessions

For many years, the WRC has assembled panels of regional and national experts to share challenges common to many of us, and the unique solutions they have discovered. All interested parties are encouraged to join us, listen in, and provide input on water resource planning issues of interest to the region and its water purveyors. For more information on WRC events please visit the website <https://sites.google.com/a/pnws-awwa.org/water-resources-committee/home/announcements>. To join into the WRC or get onto our email distribution list please contact John Lambie, Committee Chair, at 503-954-2096 or jlambie@e-purwater.com. 

Water Quality Committee

Fall Committee Activities

The PNWS-AWWA Water Quality Committee (WQC) continues its mission of providing education and training for industry professionals with sponsorship of technical sessions at the upcoming Section conference in Boise, ID. In cooperation with the other PNWS committees, we finalized our technical program at the Fall Trustee training in mid-October. We are happy to be co-sponsoring a session with the Water Resources Committee this year, and extend a big thank you to John Lambie and DeEtta Fosbury for offering to work with us on this.

The WQC held its semi-annual fall meeting October 1, at the Geren Island Water Treatment Plant in Stayton, OR. Serving the City of Salem, the plant uses slow sand

filtration, a technology unique for serving a large urban area. Several people attended the meeting in person while others participated via conference call. After discussion of old business and new business, we were given a tour of the plant, hosted by plant supervisor Tim Sherman. Thank you to Jessica Dorsey (City of Hillsboro), Committee Vice-Chair and Lacy Goeres (City of Salem) for organizing the meeting. And thank you Tim for the educational tour.


Best Tasting Water Competition

It is that time of year again for subsections to plan and conduct their Best Tasting Water competitions. Winners of the subsection competitions are eligible to compete in the Section competition at the conference in Boise. Subsections must

hold their competitions before April 1, with winners registered for the Section competition by April 15. More information on entry eligibility and test requirements can be found on the WQC website at <https://sites.google.com/a/pnws-awwa.org/water-quality/home/water-taste-test>.

Good luck to all the participants; feel free to contact the WQC if you have questions.

Get Involved

Want to join the Water Quality Committee? By doing so you will receive email updates about upcoming meetings and events. Please contact Committee Chair, Kyle Thompson, kyle.thompson@msa-ep.com, or Committee Vice-Chair, Jessica Dorsey, jessica.dorsey@hillsboro-oregon.gov for more information. 



So big, in fact, that financial incentives and technical expertise may be available to help you find and repair leaks. Contact your servicing electric utility to find out if they're participants of the Bonneville Power Administration's Energy Smart Industrial program.

When you save water, you save energy.

Learn how to calculate your incentives for potential water and energy savings:

www.tinyurl.com/water-to-energy



To get started contact:

Tom Herbert

ESI Water/Wastewater Sector Specialist
(801) 756-4233
tom.herbert@energysmartindustrial.com

Dawn Lesley

ESI Water/Wastewater Sector Specialist
(971) 202-1625
dawn.lesley@energysmartindustrial.com

Water For People Committee

The Water For People Committee would like to thank the members of the PNWS-AWWA for another wonderful year. In 2015, the PNWS-AWWA raised **\$139,702.20** to support the Water For People mission. Please give yourselves a round of applause. The total raised by all AWWA Sections was close to \$1.6 million. Many thanks go to all our 2015 Water For People sponsors.

Kenneth J Miller Award

Do you know someone who works tirelessly for Water For People? Submit their name for the Kenneth J Miller Award, which recognizes volunteers for their outstanding service and leadership in the advancement of the Water For People mission. Anyone can be nominated: long-time volunteers; section committee chairs or subsection event chairs; or that volunteer who is always working behind the scenes at Water For People events.

The 2016 winner will be recognized at the Section banquet and at the National Awards Ceremony held at ACE. Nominate a volunteer and show them you appreciate their efforts to bring clean water and adequate sanitation to those in need.

For information on the nomination process, contact Erin Nishikawa at enishikawa@aesgeo.com. Final nominations are due by February 1.

Did you know that you can donate your vehicle to help Water For People? Unload your unwanted car and help someone in need. Best of all, it's 100% tax deductible. Visit <http://carshelpingcharities.org/charity-directory/water-for-people/>.

There are all kinds of ways to give. Set up planned giving, impact investing, workplace giving, and tribute gifts. Visit <https://www.waterforpeople.org/donate/#impact-calculator> for more information.

Looking Forward

As the WFP fiscal year drew to a close (September 30), we began looking ahead to 2017. Contact Kristin Young kyoung@rh2.com 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.

2016 celebrates the 25th year of Water for People. Stay tuned for celebration events in your area.

We need your help to make the Boise Conference Water for People Silent Auction a success! Contact Katie Dillon Katie.dillon@hdrinc.com for more information or to sign up.

Want to be in the know about Water for People events? Be sure to visit the Committee website for all the latest throughout the Section. Visit the PNWS-AWWA site and find us under Committees. From golf tournaments, beer tastings and wine gatherings, all our summer fundraising event are sure to please.

Interested in starting a Water for People event? Please contact one of the following officers:


- Kristin Young, Chair
kyoung@rh2.com
- John Roth, Vice-Chair, Oregon
john.roth@cityofwashougal.us
- Jolene Gibson, Vice-Chair, Washington
jgibson2@cityoftacoma.org
- Erin Nishikawa, Secretary
enishikawa@aesgeo.com 

Personal Leadership Committee

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

The next Washington Women in Leadership event is scheduled for Wednesday, February 3, at the Mercer Island Community Center. Check our website for more details.

For more information, or to inquire about joining our Committee, please contact our leadership team:

- Jim Meierotto, Chair
jim.meierotto@tvwd.org,
503-848-3036
- Kristel Fesler, Vice-Chair
kristel.fesler@hillsboro-oregon.gov,
503-615-6735 



One Company For All Your Filter Media

Anthracite
Greensand Plus
Sand & Gravel
Activated Carbon
Garnet
Calcite
Other Media Available
Filter media Testing
Filter Media Onsite Supervision
Removal and Replacement Consulting
Filter Media Consulting

CEI

800-344-5770
www.ceifiltration.com
info@ceifiltration.com












Dirty?

water?

Bring it on!



iMAG 4700 Magmeter

💧 Dirty Water

💧 Reclaimed Water

💧 Waste Water

Seametrics
Flow Meters & Controls



www.seametrics.com

Young Professionals Committee

Engage Your Local Young Professionals.

The Pacific Northwest Young Professionals (YPs) have organized several fun networking and educational activities this past fall and continue to plan events for the winter. Now that school is back in session, there is a fresh opportunity to reach out to college students in your area about PNWS-AWWA and careers in the water industry. YP events are a great chance to learn powerful skills to enhance your career, and network with other like-minded professionals and students. Think about what you could do in your area to increase YP participation.

Career Fairs

At a Career Fair Near You



Young professionals are ramping up their presence at career fairs across the Section. Last year, several of our YPs partnered with their local subsections and tabled career fairs at universities and colleges across the Pacific Northwest.

This fall, a lot of great work was put towards our goal of participating in a Career Fair in every subsection. To help us achieve this target, we built a Career Fair Toolkit to make hosting a booth much easier. This set of resources is available to anyone wishing to coordinate participation in a career fair in their area. The toolkit consists of documents that illustrate the materials necessary for a booth at career fairs. Additional displays and giveaways such as pencils, pens, bookmarks, etc., are available by emailing Kevin Wyckoff: kwyckoff@pnws-awwa.org.

PNWS YP Subsection Events

Northwest OR Young Professionals – Lake Oswego-Tigard Water Partnership
On September 2, NWOR YPs hosted a lunch presentation about the Lake Oswego-Tigard Water Partnership at Round Table Pizza in West Linn. Kari Duncan, with the City of Lake Oswego, spoke about the Partnership and the infrastructure projects that will transmit water from the Clackamas River to Lake Oswego and Tigard. Pat Van Duser, with Black & Veatch, discussed the River Intake Pump Station improvements; and Austin Peters, with MWH, talked about the Water Treatment Plant Improvements. The presentation was followed by site visits and tours of both the River Intake Pump Station and Water Treatment Plant.

NWOR YPs – Giving Back to the Community



To kick off the holiday season, the NWOR YPs met at the Oregon Food Bank for a night of giving back. The weather on that day was blustery, but hearts were warmed as 27,500 apples were sorted into family-sized portions for distribution throughout the state.

Southern Oregon Brewery Tour



The Southern Oregon Subsection and the YP Committee held a networking event on Thursday, September 10, in conjunction with the Southern Oregon Water and Wastewater Short School. The event included a brewery tour, networking, and a raffle. More than 30 people attended the event, which was generously sponsored by MSA. In addition, RH2 donated a raffle prize.

United Water Idaho Treatment Plant Tour



The YPs in Boise, ID, sponsored a tour of the United Water Idaho Marden Water Treatment Plant on October 21. The tour was very informative, covering the entire water treatment process – from intake through distribution – and highlighting backwater reuse, evaporation, and water quality, at each step in the process.

Young Professionals Summit, Vancouver, WA



On Friday, November 6, 92 young professionals from Idaho, Oregon, and Washington converged in the Water Resources Education Center in Vancouver, WA, for the first PNWS-AWWA/PNCWA YP Summit. The event provided a half-day of interactive discussions addressing a variety of topics including:

communicating with elected officials, creating good workplace habits, mentorship, networking, tips and leadership skills. Discussions were led by City of Vancouver Mayor Timothy D. Leavitt, Kraig Moodie of FloWav, Kristel Fessler of City of Hillsboro, Clean Water Services Business Services Director, Mark Poling, Chris Young of DN Tanks, PNWS-AWWA Chair, Randy Black, and PNWS-AWWA 2020 Vision Coordinator, Meredith Noble.

The Summit Planning Committee would like to thank all of the YPs and seasoned professionals who showed up to support this event. We would also like to extend our thanks and appreciation to our great speakers. Your diligence, preparation, positive energy, and support of our regional young professionals was evident in your talks. We enjoyed learning from you. Finally, we would like to thank our Platinum Level sponsor, Tetra Tech, our Gold Level sponsors Clean Water Services, Stantec, and Sunrise Water Authority, and our Silver Level sponsors BergerABAM and DN Tanks. We couldn't have done it without your gracious financial support.

2020 Vision: Uniting YPs and the Water Industry



Many of you have probably noticed the term 2020 Vision peppered throughout *Water Matters* articles and you may be wondering, *What exactly does it mean?* The term was created last spring, to communicate Randy Black's initiative to help our members fill positions left by retiring baby boomers. To accomplish this, we set out to develop a sustainable program by year 2020 to help employers attract and retain talent, and helps students and YPs find fulfilling work. Below is a list outlining the goals for implementing this initiative. We are well underway with

several of the goals, and have others slated to begin next year. If you are interested in getting involved, please contact Meredith Noble at meredith.noble@stantec.com.

Vision: To develop a sustainable model by year 2020 that helps employers attract and retain talent, and helps students and YPs find fulfilling work.

Expected Outputs:

Organizational Structure

- Create a 2020 Vision Committee
- Identify two YP liaisons and one seasoned professional (SP) for each subsection

Planning

- Perform annual planning at Annual Conference
- Develop professional promotional materials
- Develop contact database for each subsection of YPs and students
- Develop contact database for every college in the PNWS. Identify a YP and SP for each

Tools for Success

- Develop an event toolbox with easy, how-to instructions
- Design a page on the PNWS-AWWA website that can serve as a central place for connecting YPs, students, and other water professionals
- Grow our Facebook account following from 250 to 1,000 followers

Implementation

- Support each subsection in planning and hosting at least two events per year with local students and YPs
- Support each subsection in attending one career fair annually in partnership with other committees
- Support our existing Student Chapters at Portland State University, Clackamas Community College, Lane Community College, and University of Washington
 - Support the creation of new Student Chapters at WETRC, Boise State University, Spokane Community College, and Washington State University
- Partner with PNCWA in new geographies and co-host 10 events per year
- Mirror PNCWA's Mentorship Program and implement among our members
- Develop a plan for better connecting with operator training programs
- Have fun!

PNWS Upcoming YP Events

2016 Fresh Ideas Poster Competition (Boise, ID)

The Young Professionals Committee (YPC) is soliciting applications for upcoming Fresh Ideas Poster Competition, at the 2016 Annual Conference in Boise, ID (May 5-7). The event is a unique opportunity open to all young professionals, not just students, to present their research to a diverse audience. The competition is judged by a field of experts, with the winner representing PNWS at the AWWA Annual Conference and Exhibition (ACE) in Chicago. Additionally, cash prizes will be provided for first, second, and third-place winners.

Application, submittal, and scholarship information can be found at <https://sites.google.com/a/pnws-awwa.org/young-professionals/home>. If you are interested, you will need to submit an application – including an abstract describing the subject of the poster presentation – to Dan Reisinger at dreisinger@carollo.com. The deadline for submitting is **February 29**.

Follow us on Social Media

The YPC was a steady presence on social media throughout the year. Our Facebook page is updated at least weekly with upcoming events, job openings, and training announcements. We have seen a 10% increase in followers in the past year, with each post reaching 70 people on average. Visit us on Facebook at PNWS of AWWA Young Professionals to stay connected.

Also, check out our events calendar on the PNWS website for information on upcoming YP and student events at www.pnws-awwa.org. To submit information on events, or event pictures, please contact Natasche O'Brien Legg at obrienlegg.n@gmail.com.

Participate and Stay Connected

Want to join the YPC in its efforts to connect students and YPs with PNWS-AWWA? There are lots of ways you can help, including event planning, leadership roles, career fairs, scavenger hunt planning, helping get a student chapter going, and more. Contact YP Committee Chair, Julie Smitherman at smithermanj@ashland.or.us for more information. [FA](#)

Reduce Maintenance Costs and Improve Efficiency by Switching to S&J Spiral Wound Flame Arresters!



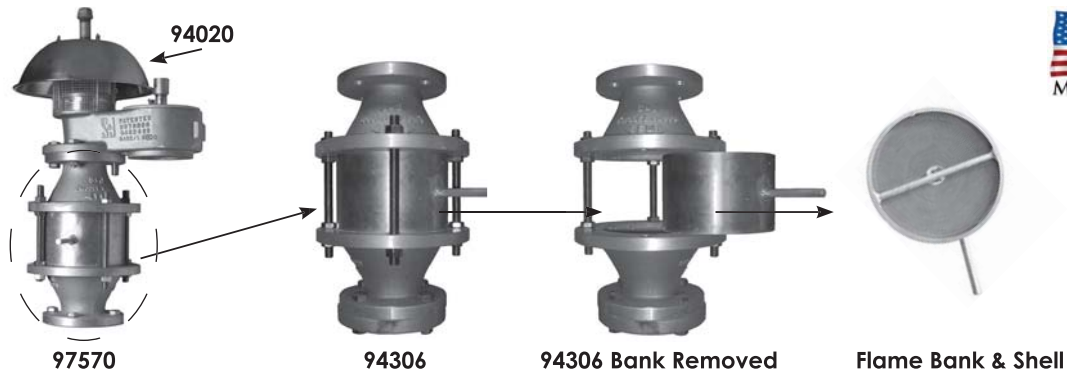
97140 Flame Trap Assembly

SPIRAL FLAME ARRESTER

- Spiral wound technology allows for a straight through vapor path for less clogging and reduced pressure drop.
- Removable arrester core (Tube Bank) to facilitate easier inspection, cleaning, and/or replacement.
- Core is of unitized construction, which ensures flame quenching capability.
- Vertical & Horizontal Configurations with a wide range of material construction; Aluminum, 304SS, and 316SS.
- Same end-to-end flange dimensions as others.
- Easy removal verses drawer type that can get seized inside the housing.
- Can provide taps for temperature sensor mounting.
- Can incorporate Proximity Switch for Flame Trap Assembly for notification of thermal valve pallet closing and provide taps for temperature sensor mounting.
- It is recommended that the units be installed close to ignition sources.
- Factory Mutual/ATEX Approvals in 2" through 12" sizes.

97570 Combination Conservation Vent and Flame Arrester

The Shand and Jurs Model 97570 is a combination of our 94020 Conservation Vent and 94306 Flame Arrester in a single, easy to configure package providing for pressure and vacuum relief, as well as positive flame stop on low pressure digesters containing flammable liquids or solvents having a low flash point.



Offering A Complete Line Of Digester Gas Safety Equipment



Enclosed Waste Gas Burner



Ground Level Pilot Waste Gas System



Regulator and Flame Trap Assembly



evo 2600 Level Radar Gauge (wireless shown)



Emergency Vent and Pressure/Vacuum Vent and Flame Arrester



Sediment Trap with Electrically Actuated and Manual Drip Traps


Inland Empire Subsection

The Inland Empire Subsection had its annual summer picnic in August. Always a fun family event, there were plenty of burgers and hot dogs to go around. Before that, its first annual No Water No Beer event was held in May at the Ramblin Road Craft Brewery in Spokane (the brewery placed second out of 40 entrants at the Seattle Belgianfest). Joe Foote, of Murray, Smith and Associates, Inc., and a past IESS President, headed this endeavor, and there's already talk of a repeat performance.

Registration included the choice of a flight, or pint, a T-shirt and a commemorative beer glass. Not to mention a fun night of networking and outbidding fellow AWWA members and non-members on the silent auction. Proceeds went to Water For People, and the Education and Training Fund.

The IESS kicked off fall with some more training opportunities. In September, there was a class on Control Valve Installation Operation and Repairs, led by Dale Fletcher of GC Systems, Inc. And in October, Terry Pickel of the City of Coeur d'Alene Water Department, and Dan Sanders, P.E., of Sander Enterprises, taught a class on Water/Waste Water Emergency Response. The group is now gearing up for their annual Service Truck Rodeo, to be held on March 9, at the Spokane Arena. This is a fun event that includes a Best Tasting Water competition; Meter Madness, Gimmicks and Gadgets and the Tapping Competition; a Best Water Leak photo contest; a vendor fair; training, education; and a competition for service trucks including: best half-ton and under, best half-ton and over, best old beater, and best in

show. The first 25 students that register get in free with student ID. One free registration will be granted for each organization that submits a work truck for the rodeo. Registration fee includes 0.6 CEUs, lunch, and a T-shirt. Fee to be announced at a later date.

The Muddy Boots is a local award given out by IESS for a worker in the field that goes above and beyond the call of duty. In 2013, the award was given to Lance Peterson when he was with the City of Airway Heights. He is now working with North Spokane Irrigation District 8, and serving as our current subsection Vice-President. This year's Muddy Boots award went to Steve McGoldrick of the City of Spokane Water Department. Congratulations, Steve. 

Scott Inch
scottinch@qwest.net



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

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.

WHERE IS IT USED?

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

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.

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

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

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



King County Subsection

The waning days of summer and the fall of autumn has been a time of both business and pleasure for King County Subsection. We have been active in spreading the good word related to water in King County through education, and support of non-profit water-related organizations.

Past-President, Bill Reynolds, of PACE Engineers showed his organizational skills once again with the annual golf tournament in September, held at Washington National. Vendors, consultants, and participants made the event a huge success. A special thank you must be extended to our Gold Sponsors – Whitney Equipment, Ferguson Waterworks, and H.D. Fowler. In Pro-Am like fashion, Dan Sleeth (Highline Water District) and Mike Martin (City of Issaquah) led the way for partners Laura Keough (NE Sammamish Sewer and Water District) and Doug Schlepp (RH2 Engineering). The foursome ultimately tied with a perennial top finisher from the City of Redmond, and it took three tie-breakers

to finally crown them as victors. Proceeds from the event exceeded expectations – more than \$3,000 was donated to Water For People.

Two classes concluded the fall season. The Ductile Iron Pipe Workshop on November 10, was hosted by Nick Grover of Seattle Public Utilities and Charlie Sovacool of Consolidated Supply. This well-attended class, presented by the Ductile Iron Pipe Research Association (DIPRA) disseminated everything you need to know about this vital product. Peter Paulson, of PACE Engineers, hosted a class on Regulatory Requirements & Water Quality on December 10; we assume it too was well-attended.

With regular meetings generally held at the Big Fish Restaurant in Kirkland, the year ended with the final officers meeting shifting southward to the ACME Bowl in Tukwila. As in years past, this will be the site of the annual King County Best Tasting Water Competition. A newcomer to last year's



event – the City of Carnation – will look to defend its title. This celebration of great-tasting water will be complemented by the inaugural Meter Madness competition. Those with dexterity and speed are encouraged to participate; those who aren't can watch in amazement.

Through the leadership of President Laurie Fulton (Stantec) we focused on attracting new members during all of these events. Our significant progress on the goals set for the Subsection means the beginning of 2016 looks bright. 🏠

Southern Oregon Subsection

The Southern Oregon Subsection held its organizational meeting on November 12. After consuming large quantities of pizza, soda and WATER, we decided on procedures to update our bylaws; discussed how to organize future fundraising events; and how to promote our December 3 subsection meeting, where Pierre Kwan of HDR will teach us about Taste & Odor Occurrence & Control. Our Best Tasting Water Contest, Gimmicks & Gadgets and Meter Madness competitions will be held at our next 2016 Subsection meeting on March 3.

Our PNWS YP Chair, Subsection YP Chair, Conservation Committee Chair, and Subsection Vice-

President (Whew!) Julie Smitherman, made a presentation about AWWA, Conservation and Young Professionals to a Southern Oregon University Water Resources 400-level class in November. Six members of the class signed up to be on the YP email list.

We have a gap in our organization that will be hard to fill. Natasche O'Brien Legg has moved out of our Subsection and will no longer be involved in input and editing our website. Her expertise and cunning will be sorely missed. For additional information, or to get involved, visit the Southern Oregon Subsection webpage at www.pnws-awwa.org or contact greg.hunter@ashland.or.us.

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



Bring security, accountability,
and control to your water
facility

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



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

Northwest Washington Subsection 2016 Training Schedule

The Northwest Washington Subsection will be sponsoring training for operators, engineers and managers in winter, spring and fall of 2016. Events scheduled so far include:

Water Regulations Update Workshop *Spring, Mt. Vernon, WA*

This workshop will review recent and proposed changes in water regulations including: monitoring, the Revised Total Coliform Rule, cross connection and sanitary surveys.

Water Treatment Workshop *Spring & Fall, locations TBD*

This annual workshop will focus on treatment topics of interest and practical application for treatment plants in the region. Past topics have included filter operations, maintenance, and optimization; start-up of Tacoma's new filter plant; and current and upcoming regulatory issues from DOH. *0.6 CEUs.*

Basic Waterworks Workshop *Spring & Fall, locations TBD*

This workshop will provide an orientation to water utilities, and water quality protection, for new employees to the utility including: treatment plant staff, distribution crews, office staff, engineers and others. *0.6 CEUs.*

2016 Western Washington Short School & Trade Show

June 14,15, Lynnwood Convention Center, Lynnwood WA

The Short School is co-sponsored by the Northwest Washington Subsection, PNWS-AWWA and the Western Washington Region PNCWA-WEF. Registration will open in early April and a link will be posted on the Northwest Washington Subsection webpage. *1.2 CEUs.*

The annual Short School will include four to five concurrent classes on a variety of topics for water and wastewater operators, engineers and managers. Along with presentations, the Short School will also feature water and wastewater treatment plant tours (tour locations TBD) and a trade show for equipment manufacturers, service providers and consultants.

Emergency Preparedness Workshop *Fall, location TBD. 0.6 CEUs*

For additional information or to sign up for email notification for these or any Northwest Washington Subsection workshops, go to the subsection webpage on the Section's website www.pnws-awwa.org or contact Jeff Lundt: 260-477-5582, jeff.lundt@kingcounty.gov

Northwest Washington Subsection 2016 Winter Events

Annual Best Tasting Water Contest

February or March, location TBD

Do you have the best tasting water? This is your chance to prove it once and for all. The water contest is open to any utility, municipality, or water district in Snohomish, Skagit, Whatcom, Island, San Juan, Jefferson or Clallam counties.

Event specifics and water sample submission details will be available in January. Check the subsections webpage on the Section's website (www.pnws-awwa.org) for more information, or contact Erin Nishikawa at 425-259-0522.



An advertisement for MSA Murray, Smith & Associates, Inc. Engineers/Planners. The ad features a dark blue background with the MSA logo in white. Below the logo, it says "Murray, Smith & Associates, Inc. Engineers/Planners" and "WASHINGTON | OREGON | IDAHO" with the website "www.msa-ep.com". A circular inset shows the Space Needle in Seattle with the text "NOW OPEN IN SEATTLE!". The main part of the ad is a collage of four images: a water treatment facility with large tanks, a large white cylindrical tank with an American flag, industrial machinery, and a construction site with a yellow excavator and a large pipe. At the bottom, a blue banner reads: "From system planning through construction management services and every step in between, we're here to help you meet your water goals."

Fall/Winter 2015 Northwest Washington Subsection Event Highlights

Reverse Osmosis Workshop

September 30, Seafarers' Memorial Park Building, Anacortes, WA
The workshop covered an overview of RO technology, pre- and post-treatment options, ways to minimize RO plant energy consumption, and Washington State requirement for monitoring and reporting. Attendees earned 0.6 Water CEUs. This training is held bi-annually in conjunction with the Northwest Membrane Operator Association.

Water Treatment Workshop

October 14, Alderwood Water & Wastewater District, Lynnwood, WA



The workshop focused on filter optimization, startup and commissioning experience at Tacoma's new Green River WTP, updates for the Revised Total Coliform Rule and the fluoride program, and DOH's disinfection data integrity project. Registration will open in early September and a link will be posted on the Northwest Washington Subsection webpage. Attendees earned 0.6 Water CEUs.

Basic Waterworks Workshop


September 16, at Bellingham Public Works, Bellingham, WA
March 9, at Everett Public Works, Everett, WA

This workshop provided an orientation to water utilities, and water quality protection, for new employees to the utility including: treatment plant staff, distribution crews, office staff, engineers and others.

Two separate Basic Waterworks workshops were held in 2015:

- September 16, at Bellingham Public Works, Bellingham, WA.
- March 9, at Everett Public Works, Everett, WA.



- Attendees earned 0.6 Water CEUs. To sign up for email notification for future Northwest Washington Subsection workshops, go to the subsection webpage on the Section's website www.pnws-awwa.org or contact Jeff Lundt: jeff.lundt@kingcounty.gov, 260-477-5582. 



The conversation starts here

In Brown and Caldwell's new online series, water leaders around the country are talking about ways we can all advance One Water thinking to secure water for generations to come.

Join the conversation, and share your insights so we can all learn from each other at: bc1Water.com



©2015 Brown and Caldwell. All rights reserved.



Low Salt Sodium Hypochlorite

Low Salt Sodium Hypochlorite is the product of a new, innovative technology that produces bleach that is more environmentally friendly and more cost effective.

By removing 64% of the salt, the quality of Low Salt bleach is chemically improved in both quality and stability which results in significant advantages over traditional bleach.

In addition to removing salts, Hasa filters all bleach to a submicron level. Removing organic contaminants & trace metals further extends the sodium hypochlorite's stability & minimizes decomposition.

WHY Low Salt?

64% Less Salt

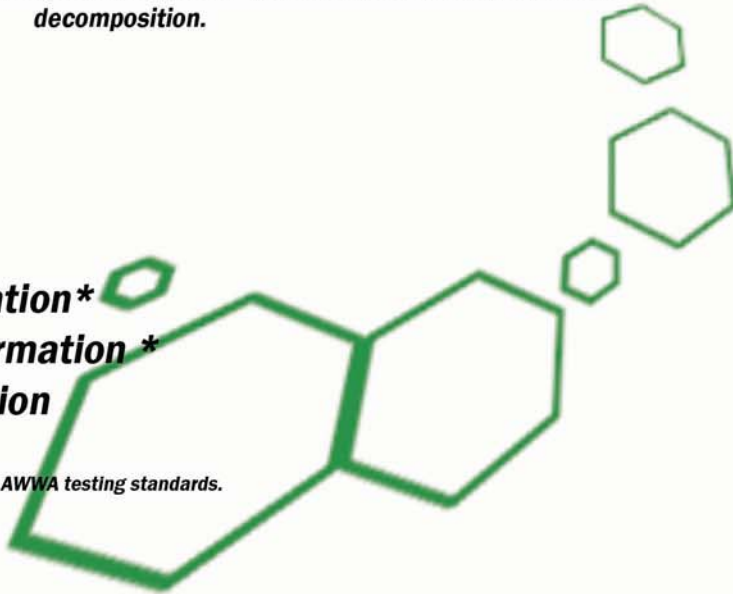
70% Longer Shelf Life

39% Less Chlorate Formation*

64% Less Perchlorate Formation *

40% Less Oxygen Formation

*Sodium hypochlorite temperature at 90°F as per AWWA testing standards.



STAYS STRONGER LONGER SAVING YOU MONEY

• For More Info Contact •
Cindy Yost @ (360) 957-0938
David Livingstone @ (925) 382-5020



REV: 8.1.14

A View From The Other Side – Gone But Not Forgotten

About a year and a half ago, I had the privilege of retiring after almost 34 years in the water industry. It still feels like a dream and I'm sure many of you would like to join me in retirement. I truly feel blessed to be able to have this opportunity, but just because you retire doesn't mean you stop trying to make a difference in life and in the lives of those you come in contact with. Every day you have a choice to live inwardly or outwardly. To live inwardly, I mean that you do what makes a difference and makes you happy. To live outwardly, is to let external forces and influences dictate what you do with your life. There certainly are times external influences will force you to make tough decisions, but how you handle those decisions inwardly will dictate how they shape your life and your future.

The questions I like to ask myself are, *Are the actions I take part of the solution or part of the problem? Are the things I volunteer for having an impact? Am I giving of myself selflessly, and with the right motivation?*

I truly loved the opportunities I was given to participate – within the industry and in my personal life. Whether it was with my Church, or coaching my kids, AWWA, WFP,


or OESAC (Oregon Environmental Services Advisory Council) I always found it rewarding. Each experience has proven to be a joy in its own way. I continue to look for ways to be involved with most of these organizations, even though I am retired. I never want to stop giving back. Because of my involvement, I have made many friends and acquaintances both locally and throughout North America. I feel these experiences made me a better person, and better employee, due to the exposure I got from other colleagues and coworkers. We are always stronger together than we are separately.

If you are a manager, I challenge you to consider how are you allowing your employees to be involved? Can you make better employees by allowing them to volunteer and learn to lead and give back? If given the chance the way I was, many will rise up and become our next leaders.

How about you as an employee? Are you willing to give of your personal time to volunteer and be involved? In my case, I always got much more out of volunteering than I put in. If you do the right thing with the right motivation, you will always find it rewarding. Please consider how you can give back.

As you look back on your life, what will be your legacy? Will the things you did be remembered? A good friend of many of us, Chris Uber, passed away a little over a year ago. His legacy was filled with involvement and encouragement. He challenged me and helped me become a better worker and volunteer, while at the same time being a mentor and a friend. Chris is gone but certainly not forgotten by those whose lives he touched. A scholarship has been set up in his name through the PNWS-AWWA and donations are being accepted, if you feel you would like to give in his memory. The many awards he won are a testament to all he did and the many people he touched.

One day we all will be gone, so what will you be remembered for? I hope to be remembered for my efforts, positive attitude, and friendly demeanor as well as my love for my wife, family and my Lord and Savior Jesus Christ. Get involved. Give back. I'm sure you will find it much more rewarding than the effort you give. Hopefully each of us can be remembered as gone but not forgotten.

Dean Fritzke retired from TVWD on July 1, 2014 

MAY THE PNWS-AWWA
SOURCE
 BOISE 2016 **BE WITH YOU**

2016 Communication Awards
 Applications available online beginning:
 January 11, 2016
 Application Postmark Deadline: February 12, 2016

Questions?
 Tacy Steele: tacy.steele@hillsboro-oregon.gov
 Awards to be presented at the Boise Conference!



COMPLETE WATER SERVICES
 Serving Our Northwest Region


 Engineers...Working Wonders With Water®
carollo.com

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

Protect your crew and a whole lot more.

United Rentals offers Confined Space Entry Training designed for all workers who may enter, supervise entry or be adversely affected from confined spaces. We also offer Qualified/Competent Person Training seminars designed for all employees involved in trenching work, including job foremen, job superintendents, engineers and any personnel involved in underground projects.



TRENCH SAFETY ▽

UnitedRentals.com/Trench
800.UR.RENTS

Tacoma, WA (253) 548-8300

Portland, OR (503) 255-3449

Seattle, WA (206) 767-3121

Spokane Valley, WA (509) 534-7294

Woodinville, WA (425) 424-8896

The Underground Equipment Specialist®

- Shoring
- OSHA Training
- Confined Space Safety Equipment
- Pipe Plugs & Testing Equipment
- Engineering
- Steel Road Plates

I am beginning a new trend with this issue of *Water Matters*: guest columns by folks who know their own utility's history better than I. This first history comes from the far South East corner of the state of Washington – Asotin County. Here is its quite fascinating water history.

- Catherine Howells

Water brings life to Asotin County

Tim Simpson, General Manager, Asotin County Public Utility District; tsimpson@asotinpud.org



Clarkston, Washington

The water system that serves Asotin County and the City of Clarkston had a significant beginning in the late 1800s having been designed, promoted and financed by important citizens of the day. The “big ditch” which in the summer of 1896, brought the first stream of vitalizing liquid to the city of Clarkston and Asotin County then called Jawbone Flat) was the vision of such foresighted men as C.C. Van Arsdol, E.H. Libby, and Charles Francis Adams.

Cassius C. VanArsdol, the engineer, was later known nationally as “the foremost railway pathfinder on the American continent.” E.H. Libby, the promoter, was described as a man of

“tremendous enthusiasm and indomitable energy,” who was fascinated by the miracle of irrigation. Charles Francis Adams, the financier, once president of the Union Pacific Railroad, and a direct descendent of the sixth



Timber Trestle Supporting Wooden Flume

president of the United States, John Quincy Adams, was influential among the wealthy Bostonians who helped finance the development of this area.

VanArsdol, Engineer

In 1893, when the Northern Pacific Railway Company was in the hands of a receiver and Mr. VanArsdol was facing tough times, he visited Jawbone Flat and was inspired by the thought of a “blossoming desert.” He filed the first water right that same year. As a railway engineer, Mr. Van Arsdol's most celebrated feat was the discovery of the Yellowhead Pass on the Grand Trunk Pacific, over the Canadian Rockies.

Libby, Promoter

In 1894, E.H. Libby, the promoter, entered the picture. Mr. Libby, a native of Boston and acquainted with the wealthy and cultured of the community, was advised by his doctor in 1890 to go west. He chose the Yakima Valley, where he heard a new district was being developed, and was inspired with the wonders of irrigation. He then went to California to study other irrigation systems and returned to Washington to search for a large tract still available for a similar development.

Adams, Financier

After obtaining the opinion of a specialist from the U.S. Department of Interior as to the quality of the soil and the water supply, Libby returned to Boston in 1895 to win financial support to construct a "big ditch" to divert water from Asotin Creek for the irrigation of "Jawbone Flat." Libby enlisted the help of Charles Francis Adams, a wealthy railroad man, who had visions of a western railway empire. Adams already owned a ranch across the Clearwater River from Lewiston, ID, and had been planning railway surveys through the area. Adams first visited Jawbone Flat in 1895.

He found a flat level tract of sandy land, covered with sagebrush, with a cabin here and there, occupied by homesteaders proving up on their claims. Mr. Adams saw the desert flat,

which is now Clarkston, as one of the future thriving towns along the Union Pacific transcontinental route. The city of Clarkston was first known as Lewiston, WA, then Concord, and later Clarkston.

To proceed with the plan of irrigating the flat, as outlined by Van Arsdol and Libby, Adams first formed a corporation on November 23, 1895, and named it the Lewiston Water and Power Company – it later became Washington Water Power, then Avista Utilities. Mr. Libby was its president and Mr. Van Arsdol secretary-treasurer and engineer.

Mr. Adams immediately contracted with homesteaders for their land, to be deeded as soon as they received their patents from the federal government. He succeeded in obtaining escrow contracts for approximately 3,000 acres, agreeing to pay the homesteaders \$50 per acre. He then, in 1896, assigned all those contracts to the Lewiston Water and Power Co.

Building the Ditch


Work began on the "big ditch" that was to transform a desert into an oasis. The job took over a year of hard labor. There was no machinery to help with the difficult task of hoisting lumber up steep hills or tunneling through a hillside, such as the 24-foot tunnel through the Swallow's Nest Rock.

Men and horses together built the 14 miles of open ditch and flume that brought the water from Asotin Creek,

about two-and-a-half miles above George Creek. A two-wheeled cart, pulled by a rope over a pulley on the hill, brought flume lumber up to the carpenters and their helpers. The ditch followed the contour of the hills and trestles were built over the gulches. The 125-foot trestle over McGuire Gulch was the pride and joy of the construction crew. Dynamite was used to blast for the ditch, where it took over the task from the flume, of carrying water around the edges of the hills. In all, 14 miles of such construction was required to cover the seven-mile distance (as the crow flies) from source to destination.

Eleven ditch-walkers were required day and night, on shifts, to guide and guard the flow of precious water along its route from beginning to end. By 1899, all of Clarkston's 25 homes were served water by an open ditch that ran nearby. Drinking water was obtained by building a dam across the ditch and diverting its flow into a small flume, through a filter of white sand or charcoal, then into a concrete cistern.

As years passed the big ditch gave way to wood stave pipe and the surface water system gave way to a ground water system and the desert that once was, became a community. The foresight of those three men brought us life.

Please let me know if you would like to contribute a guest Historian's Corner. You can reach me at chowells@pdx.edu 



Every drop along the way...

Clean. Safe. Sustainable.

Utility Service Group has proudly served the municipal and industrial water industries for over 50 years. Today's Utility Service Group provides comprehensive condition assessments, rehabilitation services and sustainable asset management solutions *from source to tap.*



utilityservice.com

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

Pacific Northwest
Washington, Oregon, & Idaho
Jeff Austin & John Kitchen

855.526.4113
help@utilityservice.com



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 more than 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



Badger Meter

Clearly Better.

Doug McClintic

Account Manager
dmcclintic@badgermeter.com
800-876-3837, Ext. 15721

To learn more about
Badger Meter products, visit
www.badgermeter.com



BEACON[®]

Advanced Metering Analytics



**EQUIPMENT & ACCESSORIES FOR
PUBLIC WORKS**
SEWER CLEANING
HYDRO-EXCAVATING
PIPELINE INSPECTION
LINE LOCATING
LEAK DETECTION
VALVE OPERATING
ROOT CONTROL
GREASE / ODOR CONTROL
STREET SWEEPING

**SCHEDULE A
PILOT
PROGRAM
TODAY!
(800) 992-3656**

NOW RENTING NOZZLES!
Rent the tool you need for specialty jobs



"The Standard of the Industry"
CUES EXCLUSIVE SALES
PARTNER



Product Spotlight:



Municipalities rely on Helix Laboratories for non-hazardous chemical and microbial solutions to combat F.O.G. (fats, oils and grease) and harmful sulfides.

A prescription for healthy sewers

Optimizing sewer function to benefit communities, the environment and waste water infrastructure.



VACTOR



CHECK OUT OUR ONLINE STORE
shop.owenequipment.com

800-992-3656

THREE FULL-SERVICE LOCATIONS
Oregon · Washington · California

SECTION DIRECTORY

ASSOCIATION DIRECTOR

BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039

brenda.lennox@tvwd.org

- National Association Awards & Review
- Idaho Water Utility Council
- Oregon Water Utility Council
- Washington Water Utility Council
- WARNs

CHAIR

RANDY BLACK

Lakewood Water District
11900 Gravelly Lake Dr. SW
Lakewood, WA 98499
P: 253-588-4423

F: 253-588-7150

rblack@lakewood-water-dist.org

CHAIR-ELECT

LACEY GOERES-PRIEST

City of Salem
1410 20th St. SE
Salem, OR 97302
P: 503-361-2224

lgoeres@cityofsalem.net

- Committee Chair Selection
- Strategic Plan
- Public Officials
- Ad-Hoc Committees
- Personal Leadership

PAST CHAIR

JASON CANADY

City of Grants Pass
101 NW A St.
Grants Pass, OR 97526
P: 541-450-6119

F: 541-471-6433

jcanady@grantspassoregon.gov

- Nominating Committee
- Past Chairs Committee
- Scholarship Committee
- E & T Board

WASHINGTON TRUSTEES

JEFF LUNDT

King County Wastewater Treatment Division
201 S. Jackson St.
M.S. KSC-NR-0508
Seattle, WA 98104-3855
P: 206-477-5582

jeff.lundt@kingcounty.gov

- Manufactures & Suppliers
- Water Quality Committee
- Small Systems Committee
- Research Committee

JACKI MASTERS

Mt. View-Edgewood Water Company
11610 32nd St E
Edgewood, WA 98372
P: 253-863-7348

jackim@mtvewater.com

- Training Coordination Committee
- Membership Committee
- I/T Committee
- Subsection Advisory Council

OREGON/IDAHO TRUSTEES

MIKE WHITELEY

City of Gresham
1333 NW Eastman Parkway
Gresham, OR 97030
P: 503-618-2314

mike.whiteley@greshamoregon.gov

- Public Information Committee
- Water For People Committee
- Engineering Committee
- Water Resources Committee

BRAD TAYLOR

Eugene Water and Electric Board
4200 Roosevelt Blvd.
Eugene, OR 97440
P: 541-685-7385

brad.taylor@eweb.org

- OCCSRS
- Historian
- Publications Committee
- Safety Committee

TRUSTEES AT LARGE

JENNIFER GARBELY

P: 503-225-9010

jennifer.garbely@msa-ep.com

- Customer Service Committee
- Young Professionals Committee
- Water Conservation Committee
- Water Treatment Committee

DAN KEGLEY

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99207
P: 509-625-7821

dkegley@spokanecity.org

- Utility Management Committee
- Conference Program
- Conference Local Arrangements
- Distribution

TREASURER

MARSHALL THOMPSON

United Water Idaho
P. O. Box 190420
Boise, ID 83719-0420
P: 208-362-7377

F: 208-362-1479

marshall.thompson@unitedwater.com

Audit Committee/ Budget Committee

EXECUTIVE DIRECTOR

KYLE KIHS

P. O. Box 872467
Vancouver, WA 98687
P: 503-760-6460

F: 360-254-0695

kkihs@pnws-awwa.org

- George Warren Fuller Award
- Negotiating
- Powell Lindsay Award
- Conference & Meeting Place

2012 - 2013 PNWS-AWWA COMMITTEES

AUDIT COMMITTEE

(CHAIR) JUDI RANTON

Portland Water Bureau
1120 SW 5th Ave.
Portland, OR 97204
P: 503-823-7513

F: 503-823-4500

judi.ranton@portlandoregon.gov

(VICE-CHAIR & BOARD CONTACT) MARSHALL THOMPSON

United Water Idaho
P. O. Box 190420
Boise, ID 83719-0420
P: 208/362-7377

F: 208/362-1479

marshall.thompson@unitedwater.com

BUDGET AND FINANCE COMMITTEE

(CO-CHAIR) KEN JOHNSON

Medford Water Commission
821 N. Columbus Ave.
Medford OR 97501
P: 541-774-2680

ken.johnson@cityofmedford.org

(CO-CHAIR) JAMIE PORTER

Rainbow Water District
1550 42nd St.
Springfield, OR 97477
P: 541-746-1676

jamie@rwdonline.net

(BOARD CONTACT) MARSHALL THOMPSON

United Water Idaho
P. O. Box 190420
Boise, ID 83719-0420
P: 208-362-7377

F: 208-362-1479

marshall.thompson@unitedwater.com

MEMBERS

KYLE KIHS

503-760-6460

kkihs@pnws-awwa.org

BYLAWS & RULES OF PROCEDURE

(CHAIR) BRAD PHELPS

CH2M Hill
2020 SW 4th Ave. Suite 300
Portland, OR 97201
P: 503-736-4376
F: 503-736-2000
bp Phelps@ch2m.com

(BOARD CONTACT) RANDY BLACK

Lakewood Water District
11900 Gravelly Lake Dr. SW
Lakewood, WA 98499
P: 253-588-4423
F: 253-588-7150
rblack@lakewood-water-dist.org

CONFERENCE ARRANGEMENTS

(CHAIR) CAMILLE CEGNAR

United Water Idaho
P.O. Box 190420
Boise, ID 83719
P: 208-362-7371
F: 208-362-1479
camille.cegnar@unitedwater.com

(BOARD CONTACT) DAN KEGLEY

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99207
P: 509-625-7821
dkegley@spokanecity.org

CONFERENCE PROGRAM COMMITTEE

(CHAIR) CHERYL CAPRON

City of Seattle
2700 Airport Way S
Seattle, WA 98134
P: 206-386-1265
cheryl.capron@seattle.gov

(VICE-CHAIR) KEVIN BOGGS

Address: 322 E. Front St,
STE 200
Boise, ID 83702
P: 208-340-1753
kevin.boggs@ch2m.com

(BOARD CONTACT) DAN KEGLEY

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99207
P: 509-625-7821
dkegley@spokanecity.org

MEMBERS

All Committee Chairs

- *Cross Connection*
- *Oregon Cross Connection Specialist*
- *Regional Sub Committee OCCSRS*

(CHAIR) BRIAN JANSEN

City of Hillsboro
150 E. Main St.
P: 503-615-6723
brian.jansen@hillsboro-oregon.gov

(VICE-CHAIR / TREASURER) BRET JOHNSON

bret.johnson@cityofalbany.net

(SECRETARY) CHRISTINE HOLLENBECK

Clackamas River
Water Providers
14275 S Clackamas River Dr.
Oregon City OR 97045
P: 503-723-3511
F: 503-723-3510
christine@clackamasproviders.org

(BOARD CONTACT) BRAD TAYLOR

Eugene Water
and Electric Board
4200 Roosevelt Blvd.
Eugene, OR 97440
P: 541-685-7385
brad.taylor@eweb.org

CUSTOMER SERVICE COMMITTEE

(CHAIR) TONYA REISS

City of Spokane Water Dept
E 914 North Foothills Dr
Spokane, WA 99207
P: 509.625-7847
treiss@spokanecity.org

(VICE-CHAIR) DANEA KEITH

City of Airway Heights
1208 S Lundstrom
Airway Heights, WA 99001
P: 509-244-5578
danekakeith@cawh.org

(BOARD CONTACT) JENNIFER GARBELY

Murray Smith
and Associates, Inc.
121 SW Salmon, Suite 900
Portland, OR 97204
P: 503-225-9010
jennifer.garbely@msa-ep.com

EDUCATION & TRAINING ENDOWMENT FUND

(CHAIR) BOB WILLIS

RH2 Engineering
6500 SW Macadam Ave.,
Suite 125
Portland, OR 97239
C: 503-780-9542
bwillis@rh2.com

(VICE-CHAIR) CLAIR OLIVERS

Clair Olivers & Associates
2030 Grand Ave. #4
Everett, WA 98201
P: 425-212-8816
F: 425-374-8613
clair@colivers.com

(BOARD CONTACT) JASON CANADY

City of Grants Pass
101 NW A St.
Grants Pass, OR 97526
P: 541-450-6119
F: 541-471-6433
jcanady@grantspassoregon.gov

ENGINEERING COMMITTEE

(CHAIR) NICK ROBERTSON

OBEC
920 Country Club Road, Suite
100B, Eugene, OR 97401
P: 541-762-2065
nrobertson@obec.com

(VICE-CHAIR) YUXIN "WOLFE" LANG

McMillen Jacobs
1500 SW First Ave, Suite 750
Portland, OR 97201
P: 503-384-2919
lang@mcmjac.com

(BOARD CONTACT) MIKE WHITELEY

City of Gresham
1333 NW Eastman Parkway
Gresham, OR 97030
P: 503-618-2314
mike.whiteley@greshamoregon.gov

GEORGE WARREN FULLER AWARD

(CHAIR) DENNY CLOUSE

North City Water District
1519 NE 177th St.
Shoreline, WA. 98155
P: 206-366-1842
dennyc@northcitywater.org

(BOARD CONTACT) KYLE KIHNS

P. O. Box 872467
Vancouver, WA 98687
P: 503-760-6460
F: 360-254-0695
kkihns@pnws-awwa.org

MEMBERS

STEPHEN TANNER 2012

P: 208-773-7769
C: 208-755-1883
stephenatanner@msn.com

BRAD PHELPS 2013

P: 503-736-4376
bp Phelps@ch2m.com

BRENDA LENNOX 2014

503-848-3039
brenda.lennox@tvwd.org

BILL CARR 2015

bill.carr@unitedwater.com

HISTORIAN

(CHAIR) CATHERINE HOWELLS, PhD

Portland State University
College of Urban
and Public Affairs
P.O. Box 751
Portland, OR 97207-0751
P: 503-929-5539
chowells@pdx.edu

(BOARD CONTACT) BRAD TAYLOR

Eugene Water
and Electric Board
4200 Roosevelt Blvd.
Eugene, OR 97440
P: 541-685-7385
brad.taylor@eweb.org

IDAHO WATER UTILITY COUNCIL

(CHAIR) JOHN WISKUS

CH2M Hill
322 E Front St. Suite 200
Boise, ID 83702
P: 208-345-5310
F: 208-345-5315
jwiskus@ch2m.com

(VICE-CHAIR) DENNIS TELLER

City of Meridian
33 E. Broadway Ave.
Meridian, ID 83642
P: 208-888-5242
F: 208-884-1159
dteller@meridiantcity.org

(BOARD CONTACT) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039
brenda@tvwd.org

SECTION DIRECTORY

MANUFACTURERS, SUPPLIERS & CONSULTANTS COMMITTEE MSC

(CHAIR) KRISTIN YOUNG

RH2 Engineering
22722 29th Dr. S.E., Suite 210
Bothell, WA 98021
P: 425-951-5350
F: 425-951-5401
kyoung@rh2.com

(BOARD CONTACT) JEFF LUNDT

King County Wastewater
Treatment Division
201 S. Jackson St.
M.S. KSC-NR-0508
Seattle, WA 98104-3855
P: 206-477-5582
jeff.lundt@kingcounty.gov

MSC AWARD OF EXCELLENCE

(CHAIR) PATTI GODWIN

Godwin Ventures
patti.godwinventures@gmail.com

BRAD PHELPS 2013

bphelps@ch2m.com

BOB WARD 2014

bob.ward@aecom.com

KRISTIN YOUNG 2015

kyoung@rh2.com

MEMBERSHIP COMMITTEE

(CHAIR) ANDREU FERRERO

GeoDesign Inc.
Portland, OR
P: 541-951-6060
aferrero@geodesigninc.com

(PAST-CHAIR) PAT VAN DUSER

Black & Veatch
5885 Meadows Rd. Suite 700
Lake Oswego, OR 97035
P: 503-443-4417
F: 503-443-4499
vanduserpm@bv.com

(BOARD CONTACT) JACKI MASTERS

Mt. View-Edgewood
Water Company
11610 32nd St E
Edgewood, WA 98372
P: 253-863-7348
jackim@mtvewater.com

NATIONAL AWARDS

(CHAIR) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039
brenda.lennox@tvwd.org
• *Idaho Water/Wastewater
Agency Response IDWARN*

(CHAIR) SHELLEY ROBERTS

Idaho Rural Water Association
6065 W. Corporal Lane
Boise, ID 83704
P: 208-343-7001
sroberts@idahoruralwater.com

(VICE-CHAIR) KEVIN MCLEOD

Idaho Rural Water Association
6065 W. Corporal Lane
Boise, ID 83704
Phone: 208-550-2651
kmcleod@idahoruralwater.com

(BOARD CONTACT) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97006
P: 503-848-3039
brenda.lennox@tvwd.org
• *Oregon Water/Wastewater
Agency Response Network
ORWARN*

(CHAIR) KEN SCHLEGEL

Clean Water Services
2550 SW Hillsboro Hwy
Hillsboro, OR 97123
P: 503-681-5125
schlegelk@cleanwaterservices.org

(VICE-CHAIR) CHRIS WANNER

Portland Water Bureau
2100 N. Interstate Ave.
Portland, OR 97227
P: 503-823-4050
chris.wanner@portlandoregon.gov

(SECRETARY) MARY ELLEN COLLENTINE

Portland Water Bureau
1120 SW 5th Ave, Room 600
Portland, OR 97204-1926
P: 503-823-7474
F: 503-823-4500
maryellen.collentine@portlandoregon.gov

(BOARD CONTACT) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039
brenda.lennox@tvwd.org
• *Washington Water/
Wastewater Agency
Response WAWARN*

(CHAIR) DAVE BROWN

Water/Irrigation
Division Manager
City of Yakima
P: 509-575-6204
david.brown@yakimawa.gov

(SECRETARY) MATT EVERETT

General Manager
Highline Water District
P: 206-592-8902
meverett@highlinewater.org

(BOARD CONTACT) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039
brenda.lennox@tvwd.org

OREGON WATER UTILITY COUNCIL

(CHAIR) KIMBERLY SWAN

Water Resource Manager
Clackamas River
Water Providers
14275 S. Clackamas River Rd
Oregon City, OR 97045
P: 503-723-3510
kims@clackamasproviders.org

(VICE-CHAIR) SUZANNE DELORENZO

Water Quality Manager
Clackamas River Water
16670 SE 82nd Dr.
Clackamas, OR 97229
P.O. Box 2349
P: 503-722-9241
sdelorenzo@crwater.com

(SECRETARY) SARA PETROCINE

Legislative Affairs
Coordinator
Portland Water Bureau
1120 SW 5th Ave.,
Portland, OR 97204
P: 503-823-7629
sara.petrocine@portlandoregon.gov

(BOARD CONTACT) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039
brenda.lennox@tvwd.org

PACIFIC CLEAN WATER ASSOCIATION LIAISON

JOHN ROTH

Clark PUD
P.O. Box 8900
Vancouver, WA 98668
P: 360-992-8034
jroth@clarkpud.com

(BOARD CONTACT) RANDY BLACK

Lakewood Water District
11900 Gravelly Lake Dr. SW
Lakewood, WA 98499
P: 253-588-4423
F: 253-588-7150
rblack@lakewood-water-dist.org

PAST CHAIRS/ NOMINATING COMMITTEES

(CHAIR) CHUCK KINGSTON

Joint Water Commission
Physical Address:
4475 SW Fern Hill Rd
Forest Grove, OR 97116
Mailing Address:
150 E. Main St.
Hillsboro, OR 97123
P: 503-615-6672
F: 503-615-6675
chuck.kingston@hillsboro-oregon.gov

(BOARD CONTACT) JASON CANADY

City of Grants Pass
101 NW A St.
Grants Pass, OR 97526
P: 541-450-6119
F: 541-471-6433
jcanady@grantspassoregon.gov

MEMBERS

All Past Section Chairs

PERSONAL LEADERSHIP COMMITTEE

(CHAIR) JIM MEIEROTTO

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3036
jim.meierotto@tvwd.org

(PAST CHAIR) KRISTEL FESLER

City of Hillsboro
150 East Main St.
Hillsboro, OR 97123
P: 503-615-6735
F: 503-615-6735
kristel.fesler@hillsboro-oregon.gov

(BOARD CONTACT) LACEY GOERES-PRIEST

City of Salem
1410 20th St. SE
Salem, OR 97302
P: 503-361-2224
lgoeres@cityofsalem.net

POWELL-LINDSAY AWARD

(CHAIR) GREG WYATT
United Water Idaho
greg.wyatt@unitedwater.com

(CHAIRS) BILL AND TEDDY BECKMAN
bbeckman@rh2.com

(BOARD CONTACT) KYLE KIHNS

P. O. Box 872467
Vancouver, WA 98687
P: 503-760-6460
Toll Free: 877-767-2992
F: 360-254-0695
kkihs@pnws-awwa.org

MEMBERS

BOB WILLIS 2012
bwillis@rh2.com

BRENDA LENNOX 2013
brenda@tvwd.org

DALE JUTILA 2014
dale.jutila@ch2m.com

DAVE LELAND 2015
david.e.leland@state.or.us

PUBLICATIONS

(CHAIR) CORIANNE HART
Carollo Engineers
P: 503-881-9604
chart@carollo.com

(BOARD CONTACT) BRAD TAYLOR

Eugene Water
and Electric Board
4200 Roosevelt Blvd.
Eugene, OR 97440
P: 541-685-7385
brad.taylor@eweb.org

PUBLIC INFORMATION COMMITTEE

(CHAIR) TACY STEELE
City of Hillsboro
Water Department
150 E Main St.
Hillsboro, OR 97123-4028
P: 503-615-6732
tacy.steele@hillsboro-oregon.gov

(PAST CHAIR) LIBBY BARG

Barney & Worth Inc.
247 Commercial St NE,
Ste. 204
Salem, OR 97301-3411
P: 503-585-4043
F: 503-589-4165
libbybarg@barneyandworth.com

(BOARD CONTACT) MIKE WHITELEY

City of Gresham
1333 NW Eastman Parkway
Gresham, OR 97030
P: 503-618-2314
mike.whiteley@greshamoregon.gov

PUBLIC OFFICIALS COMMITTEE

(CHAIR) LEN ENGLUND
Lakehaven Utility District
4657 S 282nd St.
Auburn, WA 98001
P: 253-852-0474
ldenglund@lakehaven.org

(BOARD CONTACT) LACEY GOERES-PRIEST

City of Salem
1410 20th St. SE
Salem, OR 97302
P: 503-361-2224
lgoeres@cityofsalem.net

RESEARCH COMMITTEE

(CHAIR) LYNN WILLIAMS
Brown and Caldwell
701 Pike St., Suite 1200
Seattle, WA 98101
P: 206-749-2893
F: 206-749-2200
lwilliams@brwnncald.com

(VICE-CHAIR) ALEX MOFIDI

AECOM
710 2nd Ave, Ste 1000
Seattle, WA 98104
P: 206-866-4562
alex.mofidi@aecom.com

(VICE-CHAIR) SOPHIA HOBET

City of Hillsboro
150 E. Main St.
Hillsboro, OR 97123
P: 503-615-6736
sophia.hobet@hillsboro-oregon.gov

(SECRETARY) LEE ODELL

CH2M Hill
2020 SW 4th Ave.
Portland, OR 97201
P: 503-872-4750
lee.odell@ch2m.com

(BOARD CONTACT) JEFF LUNDT

King County Wastewater
Treatment Division
201 S. Jackson St.
M.S. KSC-NR-0508
Seattle, WA 98104-3855
P: 206-477-5582
jeff.lundt@kingcounty.gov

SAFETY COMMITTEE

(CHAIR) MIKE JACOBS
Tualatin Valley Water District
P: 503-848-3048
C: 503-550-5789
F: 503-356-3148
mikej@tvwd.org

(BOARD CONTACT) BRAD TAYLOR

Eugene Water
and Electric Board
4200 Roosevelt Blvd.
Eugene, OR 97440
P: 541-685-7385
brad.taylor@eweb.org

SCHOLARSHIP COMMITTEE

(CHAIR) DAVE LELAND
Oregon Drinking
Water Program
800 NE Oregon Ave.
Portland, OR 97232
P: 971-673-0415
F: 971-673-0457
david.e.leland@state.or.us

(BOARD CONTACT) JASON CANADY

City of Grants Pass
101 NW A St.
Grants Pass, OR 97526
P: 541-450-6119
F: 541-471-6433
jcanady@grantspassoregon.gov

SMALL SYSTEMS COMMITTEE

(CHAIR) DON POPOFF
RH2 Engineering
300 Simon St. SE Suite 5
East Wenatchee, WA 98802
P: 509-886-2900 x 5432
F: 509-886-2313
dpopoff@rh2.com

(BOARD CONTACT) JEFF LUNDT

King County Wastewater
Treatment Division
201 S. Jackson St.
M.S. KSC-NR-0508
Seattle, WA 98104-3855
P: 206-477-5582
jeff.lundt@kingcounty.gov

SUBSECTION ADVISORY COUNCIL

(CHAIR) MAX WOODY
City of Central Point
140 S 3rd St.
Central Point, OR 97502
P: 541-423-1321
F: 541-665-6000
max.woody@centralpointoregon.gov

(VICE-CHAIR) TONYA REISS

City of Spokane Water Dept
E 914 North Foothills Dr
Spokane, WA 99207
P: 509-625-7847
treiss@spokanecity.org

(SECRETARY) DOUG SCHLEPP

RH2 Engineering
22722 29th Dr. S.E.,
Suite 210
Bothell, WA 98021
P: 425-951-5320
F: 425-951-5401
dschlepp@rh2.com

(TOP OPS) DOUG PRIEST

City of Salem
1410 20th St SE Bldg #2
Salem, OR 97302
P: 503-589-2193
F: 503-588-6480
dpriest@cityofsalem.net

(FIELD OPERATIONS & INNOVATIONS) MIKE MCCLLENATHAN

City of Central Point
140 S 3rd St.
Central Point, OR 97502
P: 541-423-1970
F: 541-664-6000
mike.mcclenathan@centralpointoregon.gov

SECTION DIRECTORY

(METER MADNESS) GERALD ARREDONDO

City of Salem
1410 20th St SE Bldg #2
Salem, OR 97302
P: 503-589-2193
F: 503-588-6480
garredondo@cityofsalem.net

(TAPPING) LOREN SEARL

City of Spokane
914 E Northfoothills Dr.
Spokane, WA 99207
P: 509-625-7960
lsearl@spokanecity.org

(OREGON COORDINATOR) JUDI RANTON

Portland Water Bureau
1120 SW 5th Ave.
Portland, OR 97204
P: 503-823-7513
F: 541-823-4500
judi.ranton@portlandoregon.gov

(WASHINGTON COORDINATOR) ED HEIDT

Skagit PUD
P.O. Box 1436
Mount Vernon, WA 98273-1436
P: 360-848-4469
C: 360-610-3728
heidt@skagitpud.org

(IDAHO COORDINATOR) WALLY HAMMONS

City of Caldwell
P. O. Box 1177
Caldwell, ID 83606
P: 208-455-4790
F: 208-769-1404
whammons@ci.caldwell.id.us

(BOARD CONTACT) JACKI MASTERS

Mt. View-Edgewood
Water Company
11610 32nd St E
Edgewood, WA 98372
P: 253-863-7348
jackim@mtvewater.com

TRAINING COORDINATION COMMITTEE

(CHAIR) LOREN SEARL

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99207
P: 509-625-7859
lsearl@spokanecity.org

(BOARD CONTACT) JACKI MASTERS

Mt. View-Edgewood
Water Company
11610 32nd St E
Edgewood, WA 98372
P: 253-863-7348
jackim@mtvewater.com

UTILITY MANAGEMENT

(CHAIR) DAN SLEETH

Highline Water District
23828 30th Ave S.
Kent, WA 98032
P: 206-592-8954
dsleeth@highlinewater.org

(VICE-CHAIR) BARRY BUCHANAN, P.E.

Buchanan and Associates
P: 360-901-1564
barry@buchananandassociates.com

(SECRETARY) MIKE PRETT, P.E.

Brown and Caldwell
Portland, OR
P: 503-977-6649
mpret@brwncald.com

(BOARD CONTACT) DAN KEGLEY

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99207
P: 509-625-7821
dkegley@spokanecity.org

WASHINGTON WATER UTILITY COUNCIL

(CHAIR) CHRIS PETERSCHMIDT

City of Spokane—Water
914 East North Foothill Dr.
Spokane, WA 99207-2735
P: 509-625-7803
F: 509-625-7816
cpeterschmidt@spokanecity.org

(VICE-CHAIR) GWENN MAXFIELD

Covington Water District
18631 SE 300th Place
Covington, WA 98042
P: 253-867-0900
F: 253-867-5231
gwenn.maxfield@covingtonwater.com

(BOARD CONTACT) BRENDA LENNOX

Tualatin Valley Water District
1850 SW 170th Ave.
Beaverton, OR 97003
P: 503-848-3039
brenda.lennox@tvwd.org

WATER CONSERVATION COMMITTEE

(CHAIR) JULIE SMITHERMAN

City of Ashland
51 Winburn Way
Ashland, OR 97520
P: 541-552-2062
F: 541-488-6006
smithermanj@ashland.or.us

(VICE-CHAIR) MICHAEL BUETTNER

City of Bend
710 NW Wall St.
Bend, OR 97701
P: 541-388-5569
mbuettner@bendoregon.gov

(BOARD CONTACT) JENNIFER GARBELY

Murray Smith
and Associates, Inc.
121 SW Salmon, Suite 900
Portland, OR 97204
P: 503-225-9010
jennifer.garbely@msa-ep.com

WATER DISTRIBUTION COMMITTEE

(CHAIR) BILL REYNOLDS

PACE Engineers, Inc.
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
P: 425-827-2014
C: 206-321-1109
billr@paceengrs.com

(VICE-CHAIR) PAT EVERHAM

City of Kennewick
P.O. Box 6108
Kennewick, WA 99336
P: 509-585-4413
F: 509-585-4451
pat.everham@ci.kennewick.wa.us

(SECRETARY) JEFF AUSTIN

Utility Service Group
9110 SW 57th Ave.
Portland, OR 97219
P: 800-942-0722
jaustin@utilityservice.com

(BOARD CONTACT) DAN KEGLEY

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99207
P: 509-625-7821
dkegley@spokanecity.org

WATER FOR PEOPLE

(CHAIR) KRISTIN YOUNG

RH2 Engineering
22722 29th Dr. S.E., Suite 210
Bothell, WA 98021
P: 425-951-5350
kyoung@rh2.com

(CO VICE-CHAIR) JOLENE GIBSON

Tacoma Water
P.O. Box 11007
Tacoma, WA 98411
P: 253-396-3046
F: 253-502-8386
jgibson2@cityoftacoma.org

(CO VICE-CHAIR) JOHN ROTH

Clark PUD
P.O. Box 8900
Vancouver, WA 98668
P: (360) 992-8034
jroth@clarkpud.com

(SECRETARY) ERIN NISHIKAWA

Associated Earth Sciences, Inc.
2911 ½ Hewitt Ave., Suite 2
Everett, WA 98201
P: 425-259-0522
F: 425-252-3408
enishikawa@aesgeo.com

(AUCTION CHAIR) KATIE DILLON

HDR Engineering
500 108th Ave NE, Suite 1200
Bellevue, WA 98004
P: 425-468-1594
C: 206-423-8620
katie.dillon@hdrinc.com

(TECHNOLOGY LIAISON) ANH QUACH

Carollo Engineers
1218 Third Ave, Suite 1600
Seattle, WA 98101
P: 206-684-6532
F: 206-903-0419
aquach@carollo.com

(TECHNICAL LIAISON) STEPHANIE RADDATZ

United Water
8248 W Victory Rd
Boise, ID 83709
P: 208/362-7336
stephanie.raddatz@unitedwater.com



American Water Works
Association

THANK YOU for your membership!

You make a difference. You work to deliver safe, clean water to your community. You know water has a story, but we want to hear yours. Visit www.awwa.org/mywaterstory to tell us why water is your passion.

[#mywaterstory](https://www.instagram.com/mywaterstory)



SECTION DIRECTORY

(BOARD CONTACT) **MIKE WHITELEY**

City of Gresham
1333 NW Eastman Parkway
Gresham, OR 97030
P: 503-618-2314
mike.whiteley@greshamoregon.gov

WATER INFORMATION TECHNOLOGY

(CHAIR) RONDA FARMER
Spanaway Water Company
P.O. Box 1000
Spanaway, WA 98387
P: 253-531-9024
rfarmer@spanaway-water.org

(VICE-CHAIR) **ROBERT BARRETT**

United Water Idaho
8248 W Victory Road
Boise, ID 83709
P: 208-362-7363
robert.barrett@unitedwater.com

(BOARD CONTACT) **JACKI MASTERS**

Mt. View-Edgewood
Water Company
11610 32nd St E
Edgewood, WA 98372
P: 253-863-7348
jackim@mtvewater.com

WATER QUALITY COMMITTEE

(CHAIR) KYLE THOMPSON
Murray, Smith and Associates
400 E. Mill Plain Blvd. Suite 203
Vancouver, WA 98660
P: 360-448-4230
kyle.thompson@msa-ep.com

(VICE-CHAIR) **JESSICA DORSEY**

City of Hillsboro Water
Department
150 E. Main St.
Hillsboro, OR 97123
P: 503-615-6579
F: 503-681-6232
jessica.dorsey@hillsboro-oregon.gov

(BOARD CONTACT) **JEFF LUNDT**

King County Wastewater
Treatment Division
201 S. Jackson St.
M.S. KSC-NR-0508
Seattle, WA 98104-3855
P: 206-477-5582
jeff.lundt@kingcounty.gov

WATER RESOURCE COMMITTEE

(CHAIR) JOHN LAMBIE
E-PUR, LLC
4061 SW Chesapeake Ave.
Portland, OR 97239
P: 503-954-2096
jlambie@e-purwater.com

(VICE-CHAIR) JILL HOYENGA

Eugene Water
and Electric Board
P.O. Box 10148
Eugene, OR 97440
P: 541-685-7157
jill.hoyenga@eweb.org

(SECRETARY) **DEETTA FOSBURY**

GSI Water Solutions, Inc.
55 SW Yamhill St. Suite 300
Portland, OR 97204
P: 971-200-8532
dfosbury@gsiws.com

(BOARD CONTACT) **MIKE WHITELEY**

City of Gresham
1333 NW Eastman Parkway
Gresham, OR 97030
P: 503-618-2314
mike.whiteley@greshamoregon.gov

WATER TREATMENT COMMITTEE

(CHAIR) MICHELLE CHEEK
Portland Water Bureau
1120 SW 5th Ave., Room 600
Portland, OR 97204-1926
P: 503-823-4790
michelle.cheek@portlandoregon.gov

(VICE-CHAIR) **ENOCH NICHOLSON**

CH2M HILL
1100 112th Ave NE, Suite 500
Bellevue, WA 98004
P: 425-233-3259
enoch.nicholson@ch2m.com

(SECRETARY) **SCOTT JOHNSTON**

Skagit PUD #1
11932 Morford Rd.
Sedro-Woolley, WA 98284
P: 360-201-1797

(BOARD CONTACT) **JENNIFER GARBELY**

Murray Smith
and Associates, Inc.
121 SW Salmon, Suite 900
Portland, OR 97204
P: 503-225-9010
jennifer.garbely@msa-ep.com

YOUNG PROFESSIONALS COMMITTEE

(CHAIR) JULIE SMITHERMAN

City of Ashland
20 East Main St.
Ashland, OR 97520
P: 541-552-2062
smithermanj@ashland.or.us

(COMMUNICATIONS COORDINATOR) **NATASCHE O'BRIEN LEGG**

Rogue River
Watershed Council
89 Alder St.
Central Point, OR 97502
P: 541-664-1070 x432
nlegg@rogue riverwc.org

(PORTLAND CONTACT) **JENNIFER GARBELY**

MSA
121 SW Salmon Suite 900
Portland, OR 97204
P: 503-225-9010
C: 503-927-9432
jennifer.garbely@msa-ep.com

(BOISE CONTACT) **LADONNE HARRIS**

345 Bobwhite Court, Suite 230
Boise, Idaho 83706
P: 208-947-9033
C: 208-901-0710
ladonne.harris@msa-ep.com

(WASHINGTON CONTACT) **LYNN WILLIAMS**

Brown & Caldwell
Seattle, WA
701 Pike St. #1200
P: 206-749-2893
lwilliams@brwnncald.com

(BOARD CONTACT) **JENNIFER GARBELY**

Murray Smith
and Associates, Inc.
121 SW Salmon, Suite 900
Portland, OR 97204
P: 503-225-9010
jennifer.garbely@msa-ep.com

Visit us
online



pnws-awwa.org

MAY THE

PNWS-AWWA

SOURCE

BOISE 2016

BE WITH YOU



Courtesy Boise CVB

Join us in Boise May 4-6, 2016 for the Pacific Northwest Section's Annual Conference! Attendee and vendor registration opens on January 4, 2016.

To learn more visit www.pnws-awwa.org.



American Water Works Association

Pacific Northwest Section

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



Branom Instrument Co.

Since 1947

BRANOM
INSTRUMENTATION

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.

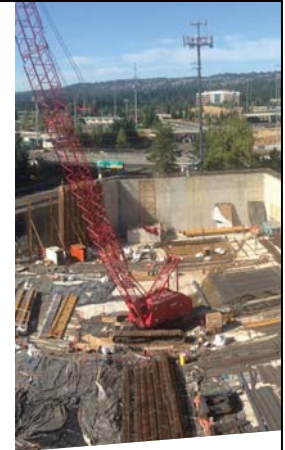
Process Instrumentation for Control & Monitoring of:

- Flow
- Level
- Pressure
- Temperature
- Liquid Analytics

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

www.branom.com
800-767-6051

Seattle | Spokane | Portland | Boise



BUILT TO DELIVER A
BETTER WORLD

AECOM is a premier water infrastructure firm, providing global expertise with local service. Whether serving clients at one phase of the project life-cycle or throughout it, we deliver practical solutions to capture new water sources, construct new or upgrade treatment facilities and expand pumping, storage and distribution system infrastructure.

T: 1.206.438.2700
www.aecom.com

AECOM

SUBSECTION DIRECTORY

SUBSECTION ADVISORY COUNCIL BOARD MEMBERS (CHAIR) MAX WOODY

City of Central Point
140 S Third St.
Central Point, OR 97502
P: 541-423-1321
F: 541-665-6000
max.woody@centralpointoregon.gov

(VICE-CHAIR) TONYA REISS

City of Spokane
914 E. North Foothills Dr.
Spokane, WA 99205
P: 509-625-7847
treiss@spokanecity.org

(SECRETARY) DOUG SCHLEPP

RH2 Engineering
22722 29th Dr. S.E., Suite 210
Bothell, WA 98021
P: 425-951-5320
F: 425-951-5401
dschlepp@rh2.com

(TOP OPS) DOUG PRIEST

City of Salem
1410 20th St SE Bldg #2
Salem, OR 97302
P: 503-589-2193
F: 503-588-6480
dpriest@cityofsalem.net

(FIELD OPS AND INNOVATIONS) MIKE MCCLENATHAN

City of Central Point
140 S 3rd St.
Central Point, OR 97502
P: 541-423-1970
F: 541-664-6000
mike.mcclenathan@centralpointoregon.gov

(TAPPING) LOREN SEARL

City of Spokane
914 E North Foothills Dr.
Spokane, WA 99207
P: 509-625-7960
lsearl@spokanecity.org

(METER MADNESS) GERALD ARREDONDO

City of Salem
1410 20th St SE Bldg #2
Salem, OR 97302
P: 503-932-2880
F: 503-588-6480
garredondo@cityofsalem.net

(OREGON COORDINATOR) JUDI RANTON

Portland Water Bureau
1120 SW 5th Ave.
Portland, OR 97204
P: 503-823-7513
F: 503-823-4500
judi.ranton@portlandoregon.gov

(WASHINGTON COORDINATOR) ED HEIDT

PUD 1, Skagit County
P.O. Box 1436
Mount Vernon, WA
98273-1436
P: 360-848-4469
C: 360-610-3728
heidt@skagitpud.org

(IDAHO COORDINATOR) WALLY HAMMONS

City of Caldwell
P O Box 1177
Caldwell, ID 83606
P: 208-455-4790
F: 208-769-1404
whammons@ci.caldwell.id.us

(BOARD CONTACT) JACKI MASTERS

Mt. View-Edgewood
Water Company
11610 32nd St E
Edgewood, WA 98372
P: 253-863-7348
jackim@mtvewater.com

IDAHO/OREGON SUBSECTIONS

SOUTHERN OREGON OFFICERS

(PRESIDENT) GREG HUNTER
City of Ashland
90 N. Mountain Ave.
Ashland, OR 97520
P: 541-488-5345
F: 541-488-6014
hunterg@ashland.or.us

(VICE-PRESIDENT) JULIE SMITHERMAN

City of Ashland
51 Winburn Way
Ashland, OR 97520
Phone: 541-552-2062
Fax: 541-488-6006
smithermanj@ashland.or.us

(SECRETARY/TREASURER) KEN JOHNSON

Medford Water Commission
821 N. Columbus Ave.
Medford, OR 97501
P: 541-774-2680
F: 541-774-2696
ken.johnson@cityofmedford.org

SOUTHWEST IDAHO OFFICERS

(PRESIDENT) CAMILLE CEGNAR

United Water Idaho
8248 W Victory Rd
Boise, ID 83709
P: 208-362-7371
F: 208-362-3858
camille.cegnar@unitedwater.com

(TREASURER) KEVIN BOGGS

Address: 322 E. Front St,
STE 200
Boise, ID 83702
P: 208-340-1753
kevin.boggs@ch2m.com

EASTERN OREGON REGION OFFICERS

(PRESIDENT)

DEB CORNFORD
City of LaGrande
800 X Ave
LaGrande, OR 97850
P: 541-962-1326
F: 541-963-3608
lgpurchasing@cityoflagrande.org

(VICE-PRESIDENT) DOUG HARSIN

City of LaGrande
800 X Ave
LaGrande, OR 97850
P: 541-962-1325
F: 541-963-3608
dharsin@cityoflagrande.org

(SECRETARY/TREASURER) CAROLYN CLEMONS

OHA/Drinking
Water Services
800 SE Emigrant Ave Suite 240
Pendleton, OR 97801
P: 541-966-0902
F: 541-276-4778
carolyn.m.clemons@state.or.us

CASCADE TO COAST OFFICERS

(PRESIDENT)

JOHN STEPHENS
Eugene Water
and Electric Board
4200 Roosevelt Blvd
Eugene, OR 97402
P: 541-520-2383
john.stephens@eweb.org

(VICE-PRESIDENT) JIM PEX

Murray, Smith & Associates
175 West B St. Bldg. K-2
Springfield, OR 97477-4575
P: 541-741-2975
jim.pex@msa-ep.com

(SECRETARY) KEVIN WYCKOFF

Wyckoff Environmental
Services
701 North Cloverleaf Loop
Springfield, OR 97477
P: 541-514-3001
kevinwyckoff@gmail.com

SUBSECTION DIRECTORY

(TREASURER) JAMIE PORTER

Rainbow Water District
1550 42nd St.
Springfield, OR 97477
P: 541-746-1676
jamie@rwdonline.net

NORTHWEST OREGON OFFICERS

(PRESIDENT)

CHANDRA HINGSTON

Joint Water Commission
Physical Address:
4475 SW Fernhill Rd.
Forest Grove, OR 97116
Mailing Address:
150 E. Main St.
Hillsboro, OR 97123
P: 503-615-6692
chandra.hingston@hillsboro-oregon.gov

(VICE-PRESIDENT)

JIMMY WHYNOT

City of West Linn
4100 Norfolk St.
West Linn, OR 97068
P: 503-742-8615
jwhynt@westlinnoregon.gov

(TREASURER)

ANDREW NISHIHARA

MWH
806 SW Broadway, Suite 200
Portland, OR 97205
P: 503-220-5432
andrew.m.nishihara@mwhglobal.com

(SECRETARY)

KELSEY VANDEBERGH

AECOM
111 SW Columbia, Suite 1500
Portland, OR 97201
P: 503-948-7212
F: 503-222-4292
kelsey.vandebergh@aecom.com

WASHINGTON SUBSECTIONS

NORTHWEST WASHINGTON OFFICERS

(PRESIDENT)

BRIDGET AUGUST

GeoEngineers, Inc.
8410 154th Ave. NE
Redmond, WA 98052
P: 425-861-6101
baugust@geoengineers.com

(TREASURER) ERIC SCHEY

Tetra Tech
1420 5th Ave. Suite 600
Seattle, WA 98101
P: 206-883-9335
eric.schey@tetrattech.com

KING COUNTY OFFICERS

(PRESIDENT) LAURIE FULTON

Stantec
11130 NE 33rd Pl, Suite 200
Bellevue, WA 98004
P: 425-289-7344
laurie.fulton@stantec.com

(VICE-PRESIDENT)

DOUG SCHLEPP

RH2 Engineering
22722 29th Dr. S.E.,
Suite 210
Bothell, WA 98021
P: 425-951-5320
F: 425-951-5401
dschlepp@rh2.com

(SECRETARY) TOM KEOWN

Covington Water District
18631 SE 300th Place
Covington, WA 98042
P: 235-631-0565
C: 253-468-310
thomas.keown@covingtonwater.com

(TREASURER)

LAURA KEOUGH

NE Sammamish
S & W District
3600 Sahalee Way NE
Sammamish, WA 98074
P: 425-868-1144
F: 425-868-4005
laura@nesswd.org

(YP & STUDENT LIAISON)

LYNN WILLIAMS

Brown & Caldwell
701 Pike St., Suite 1200
Seattle, WA 98101
P: 206-749-2893
llwilliams@brwnncald.com

BLUE MOUNTAIN OFFICERS

(PRESIDENT)

CORY R. BAUNE, P.E.

J-U-B ENGINEERS, Inc.
1630 23rd Ave, Suite 1101-A
Lewiston, ID 83501
P: 208-746-9010
F: 208-746-9926
cbaune@jub.com

(VICE-PRESIDENT)

BARNEY METZ

Lewiston Orchards
Irrigation District
5120 Powers Ave.
Lewiston, ID 83501
P: 208-746-8235
F: 208-746-6484
barneymetz@loid.net

(SECRETARY/TREASURER)

RYAN LANCASTER

City of Pullman
325 SE Paradise St.
Pullman, WA 99163
P: 509-338-3239
F: 509-334-8487
ryan.lancaster@pullman-wa.gov

SOUTH SOUND OFFICERS

(PRESIDENT)

RONDA FARMER

Spanaway Water Company
P.O. Box 1000
Spanaway, WA 98387
P: 253-531-9024
rfarmer@spanaway-water.org

(VICE-PRESIDENT)

RAY WEST

Tacoma Water
P.O. Box 11007
Tacoma, WA 98411
P: 253-502-8394
rwest@cityoftacoma.org

(SECRETARY)

MICHAEL PLEASANTS

RH2 Engineering, Inc.
950 Pacific, Ste 1220
Tacoma, WA 98402
P: 253-327-1530
mpleasants@rh2.com

(TREASURER) TIM WELLS

Spanaway Water Company
P.O. Box 1000
Spanaway, WA 98387
P: 253-531-9024
twells@spanaway-water.org

CENTRAL WASHINGTON OFFICERS

(PRESIDENT) JAMES DEAN

City of Yakima
129 N 2nd St.
Yakima, WA 98901
P: 509-576-6615
F: 509-576-6649
james.dean@yakimawa.gov

(VICE-PRESIDENT)

DAVE ENGLAND

Nob Hill Water Association
6111 Tieton Dr.
Yakima Wa 98908
P: 509-966-0272
F: 509-966-0740
dave@nobhillwater.org

(SECRETARY) JESSICA SHAW

City of Wenatchee
P.O. Box 519
Wenatchee, WA 98807-0519
P: 509-888-3225
F: 509-888-3201
jshaw@wenatcheewa.gov

(TREASURER) PAT EVERHAM

City of Kennewick
P.O. Box 6108
Kennewick, WA 99336
P: 509-585-4413
F: 509-585-4407
pat.everham@ci.kennewick.wa.us

(TRAINING COORDINATOR)

ZACHARY WRIGHT

J-U-B Engineers, Inc
2810 W. Clearwater Ave.
Suite 201
Kennewick, WA 99336
P: 509-783-2144
F: 509-736-0790
zwright@jub.com

(YP COORDINATOR/ LIAISON) PATTY NEWMAN

GSI Water Solutions, Inc.
8019 W. Quinault Ave.
Suite 201
Kennewick, WA 99336
P: 509-735-7135
F: 509-735-7067
pnewman@gsiws.com

INLAND EMPIRE OFFICERS

(PRESIDENT) SCOTT INCH

Moab Irrigation
25805 E Trent Ave
Newman Lake, WA 99025
P: 509-496-0144
scottinch@qwest.net

(VICE-PRESIDENT)

LANCE PETERSON

City of Airway Heights
1208 S. Lundstrom
Airway Heights, WA 99001
P: 509-244-5429
lpeterson@cawh.org

(SECRETARY) MAURA KEGLEY

P: 509-954-7370
dmkegs@comcast.net

(TREASURER)

CHERYL BZDAWKA

Belsby Engineering, Inc.
1325 West 1st Ave, Suite 204
Spokane, WA 99201
P: 208-640-3025
cheryl@belsbyengineering.com

LOWER COLUMBIA OFFICERS

(PRESIDENT) NATE BELL

City of Kelso
P.O. Box 819
Kelso, WA 98626
P: 360-957-1540
nbell@kelso.gov

Register Online Now!

E I G H T H A N N U A L

2016 ORWARN Conference

February 24 – 26, 2016 • Newport, Oregon

PRACTICAL PREPAREDNESS:

*Taking Care of Your
Family and Your Utility*

Registration Fee: \$225

*Includes 2 breakfasts, 3 lunches, 1 dinner,
and snacks between sessions.*

1.6 CEU credits applied for



Oregon Water/Wastewater Agency Response Network



American Water Works Association
Pacific Northwest Section

For online registration & conference information:

www.orwarn.org

**Don't miss the 2016 ORWARN
Annual Conference this coming
February at Agate Beach
in Newport, Oregon!**

Emergency preparedness starts at home. At the 2016 ORWARN Conference, national, regional, state and local experts will share steps employees can take — both at home and on the job — to prepare for a major emergency.

The more prepared you are, the more prepared your utility will be.



Best Western AGATE BEACH INN

Located in Newport, the Agate Beach Inn offers the area's newest and largest conference facilities and incredible views of the Pacific Ocean and Yaquina Head Lighthouse.

Reserve lodging at special conference rates!

Call 1-800-547-3310 and tell the agent you are an ORWARN participant to receive the Conference lodging discount.

Questions? 503-823-1953

jamila.carter@portlandoregon.gov

SUBSECTION DIRECTORY

**(VICE-PRESIDENT)
VAUGHN BARBER**

City of Washougal
2247 Main St.
Washougal, WA 98671
P: 360-835-2662
vbarber@ci.washougal.wa.us

**(SECRETARY)
MICHELLE HENRY**

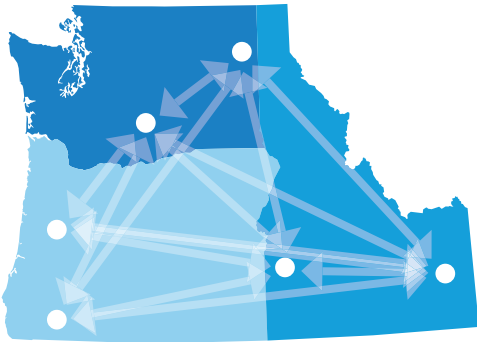
City of Vancouver -
Engineering
P.O. Box 1995
Vancouver, WA 98663
P: 360-487-7155
F: 360-487-7155
michelle.henry@cityofvancouver.us

(TREASURER) BRIAN WILSON

City of Longview
P.O. Box 128
Longview, WA. 98632
P: 360-442-5700
brian.wilson@ci.longview.wa.us

(WEB COORDINATOR)

JOHN ROTH
Clark PUD
Water Quality Specialist -
Water Services
P.O. Box 8900
Vancouver, WA 98668
P: 360-992-8034
jroth@clarkpud.com



CONNECTING MEMBERS



American Water Works Association

Pacific Northwest Section

SUBSECTION DIRECTORY

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



Leading Producer of Concrete and Steel Pipe Systems



A National Oilwell Varco Company

www.ameronpipe.com

10681 Foothill Blvd. , Suite 450 Rancho Cucamonga, CA 91730 T:909 944-4100
 10100 West Linne Rd. Tracy, CA 95377 T: 209 836-5050
 2325 South 7th Street, Phoenix, AZ 85034 T: 602 252-7111
 Via Ameron No. 100 Interior B, Col. Las Adelitas, San Luis Rio Colorado, Sonora, CP 83520

Utility Design

Structural Engineering

Road Design

Planning

Survey

Stormwater Design

NPDES Compliance

Stream Restoration

Pump Stations

LID Designs

Bridge Construction

Retaining Wall Design

Water Treatment Facilities

Water Main Replacements

Trenchless Pipe Replacements



Kirkland | Wenatchee | Lake Oswego
paceengrs.com



INTEGRATED SERVICES FOR PUBLIC WORKS PROJECTS

Geotechnical Engineering	Geologic Hazard Evaluations
Seismic Engineering	Construction Dewatering
Hydrogeology	Environmental Remediation
Tunneling	Natural Resources
Instrumentation	Surface Water

Seattle (HQ) | Richland | Portland | Anchorage | Fairbanks | Sacramento
 Los Angeles | Denver | Saint Louis | Madison | Jacksonville
 206/632-8020 | www.shannonwilson.com

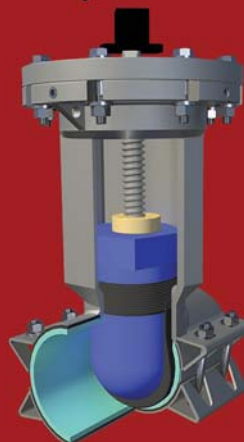
Allow me to introduce myself ...

I am a permanent resilient-seated insertable gate valve.

I am rated for use at pressures up to 250 psi.

I install under pressure - without service disruption or shutdown.

My design allows for quick and simple installation - usually in 60 minutes or less..



I can be installed on all types of common pipes including AC, CI, DI, PVC and others.

My valve body, bonnet and hardware are stainless steel.

I am the Insta-Valve 250 Patriot Series Insertion Valve - only available from Hydra-Stop.



800 - 538 - 7867

www.hydra-stop.com

144 Tower Drive Burr Ridge, IL 60527

ELIMINATE SHUTDOWNS!
 SPECIFY HYDRA-STOP



**MAXIMIZE YOUR SAVINGS—
REGISTER BY APRIL 8!**
WWW.AWWA.ORG/ACE16

**UNITING
THE
WORLD
OF WATER**

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.***

Welcome to the annual *Water Matters* Buyers' Guide.

When making purchasing decisions about products and services in the water industry throughout Washington, Oregon, Idaho and beyond, please support the companies whose advertising makes *Water Matters* possible.

You will find them quickly with our convenient, easy to use *Buyers' Guide*.

On these pages, you will find information that will help you meet your purchasing requirements throughout the year ahead. The initial section of this *Guide* lists categories of products and services along with the various companies that can provide them to you. The following section provides an alphabetical listing of those companies as well as the contact information you will need to reach them.

Categories

Access Control

Sybis LLC

Accessories

Sybis LLC

Activated Carbon

CEI – Carbon Enterprises Inc.

Advanced Metering

Infrastructure
Utility Service Group

Algae Control

Medora Corporation

AMR Systems and Meters /AMI Solutions

Ferguson Waterworks
Neptune Technology Group Inc.

Anthracite/Greenwater Plus

CEI – Carbon Enterprises Inc.

Biosolids

Kennedy/Jenks Consultants, Inc.

Chemical Processing & Feed Systems

Blue-White Industries
Hasa, Inc.
Alpine Technical Services

Collectors

Neptune Technology Group Inc.

Concrete Tank Repair/ Rehabilitation/Seismic

DN Tanks

Contractors

Lakeside Industries/
EZ Street Asphalt
Parametrix
Shannon & Wilson, Inc.
Sybis LLC

Corrosion Control

Corrpro Companies

CSO/SSO Controls, Water Resources, Distribution & Collection

Brown and Caldwell

Design-Build Contractor

Engineering America
Shannon & Wilson, Inc.

Disinfection

Blue-White Industries
Force Flow
Hasa, Inc.

Electrical Instrumentation/ Controls/Generators

Parametrix

Energy Efficiency & Conservation

Bonneville Power
Administration Energy Smart
Industrial

Engineers/Consultants

AECOM
Bonneville Power Administration
Energy Smart Industrial
Brown and Caldwell
Carollo Engineers
Corrpro Companies
Golder Associates Inc.
Gray & Osborne, Inc.
Murray, Smith & Associates, Inc.
Pace Engineers, Inc.
Parametrix
RH2 Engineering Inc.
Shannon & Wilson, Inc.

Filter Media Remove/ Supply & Install

CEI – Carbon Enterprises Inc.

Filtration

CEI – Carbon Enterprises Inc.
Utility Service Group

Flow Sensors

Branom Instrument Company
Seametrics Inc.

General Industrial

Pace Engineers, Inc.
Hydrants

Inspectors/Locators

Owen Equipment Company
Ion Exchange Technology

Laboratories/Supplies

Cascade Analytical Inc.

Land Surveys

Gray & Osborne, Inc.
Pace Engineers, Inc.

Leak Detection/ Correlator Services

American Leak Detection
Bonneville Power Administration
Energy Smart Industrial
Owen Equipment Company

Level Controls

Branom Instrument Company
Seametrics Inc.

Linestop Equipment and Fittings

Hydra-Stop

Locks – Hardware

Sybis LLC

Manhole and Catch Basin Castings

Ferguson Waterworks

Manhole Rehab

Lakeside Industries/
EZ Street Asphalt

Meters/Meter Testing

Badger Meter
The Ford Meter
Box Company, Inc.
Neptune Technology Group Inc.
Seametrics Inc.

Meter Reading Systems

Badger Meter
Neptune Technology Group Inc.

Mixing Equipment

Medora Corporation

Odor Control

Medora Corporation
Owen Equipment Company
Alpine Technical Services

Pipe & Appurtenances

American Cast Iron
Pipe Company
Ameron International - WTG
Krausz USA
Lakeside Industries/
EZ Street Asphalt

Pipe Cleaning

Utility Service Group

Pipe Restraint

The Ford Meter
Box Company, Inc.
Krausz USA

Pipeline Couplings & Clamps

The Ford Meter
Box Company, Inc.
Krausz USA

Pipelines (Steel/Concrete)

AECOM
Ameron International – WTG
Kennedy/Jenks Consultants, Inc.
RH2 Engineering Inc.

Pumps/Pump Stations/ Pump Systems

AECOM
Blue-White Industries
Brown and Caldwell
Kennedy/Jenks Consultants, Inc.
RH2 Engineering Inc.

Residuals/ Waste Management

Hasa, Inc.

SCADA – Control System

Design
Parametrix

Safety Equipment/Training

United Rentals Trench Safety

Security Systems

Sybis LLC

Sewer Cleaning Equipment & Accessories

Owen Equipment Company

Storage Tanks/ Reservoir Systems

Corrpro Companies
DN Tanks
Engineering America
Pittsburgh Tank & Tower
Maintenance Co.
RH2 Engineering Inc.
Utility Service Group

Stormwater Management

AECOM
Ferguson Waterworks

Surface Water Algaecide/Molluscicide

Alpine Technical Services

Tank Inspection, Maintenance & Repair

Pittsburgh Tank & Tower
Maintenance Co.

Tanks/ Pre-Stressed Concrete

Pittsburgh Tank & Tower
Maintenance Co.

TriChlor Tablet Feeders

Alpine Technical Services

Ultrasonic Flowmeters

Branom Instrument Company
Seametrics Inc.

UV Disinfection

Gray & Osborne, Inc.

Valves

American Cast Iron Pipe
Company
Bilfinger Water
Technologies – AIRVAC
The Ford Meter
Box Company, Inc.
Hydra-Stop
Owen Equipment Company

Water Level Instrumentation

Branom Instrument Company
Seametrics Inc.
Shand & Jurs
Waterline Envirotech Ltd.

Water Quality

Branom Instrument Company
Golder Associates Inc.
Hasa, Inc.
Kennedy/Jenks Consultants, Inc.
Medora Corporation

Water Treatment

Instrumentation
Blue-White Industries

Water/Stormwater Planning

Brown and Caldwell
Golder Associates Inc.
Gray & Osborne, Inc.
Pace Engineers, Inc.
Parametrix

Water/Wastewater Tanks

Pittsburgh Tank & Tower
Maintenance Co.

Water/Wastewater Treatment Systems

AECOM
Bonneville Power
Administration Energy Smart
Industrial
Brown and Caldwell
Carollo Engineers
CEI – Carbon Enterprises Inc.
Gray & Osborne, Inc.
Hasa, Inc.
Kennedy/Jenks Consultants, Inc.
Medora Corporation
Pace Engineers, Inc.
Parametrix
RH2 Engineering Inc.
Shand & Jurs

Wastewater Collection

Bilfinger Water
Technologies – Airvac

Wastewater Conveyance

Bilfinger Water
Technologies – Airvac

Water Wells and Intakes

Golder Associates Inc.

Water Works Brass

The Ford Meter
Box Company, Inc.

Weight Scales

Force Flow

Well Rehabilitation/ Maintenance

Utility Service Group

Listings

AECOM

800 LaSalle Ave., Suite 500
Minneapolis, MN 55402
612-376-2000
F: 612-376-2271
askamericas@aecom.com
www.aecom.com



Alpine Technical Services

601 West 6825 South
Midvale, Utah 84047
801-255-5336
F: 801-255-0486
sales@alpinetech.us
www.alpinetech.us



American Cast Iron Pipe Company

1501 31st Ave., North
Birmingham, AL 35207
205-307-2969
jordanbyrd@american-usa.com
www.American-usa.com



AMERICAN

American Leak Detection

Local offices covering Oregon,
Washington and Idaho
OR 888-777-5325
West-WA 888-747-7118
East-WA 800-928-5325
ID 208-376-6292
www.americanleakdetection.com

Ameron International - WTC

10100 W Linne Rd.
Tracy, CA 95377
209-836-5050
F: 209-832-2115
olivia.rios@nov.com
www.nov.com

Badger Meter

4545 W Brown Deer Rd.
Milwaukee, WI 53223
414-371-5721
dmclintic@badgermeter.com
www.badgermeter.com

Bilfinger Water Technologies – Airvac

200 Tower Dr., Suite A
Oldsmar, FL 34677
813-855-6297
F: 813-855-9093
dave.elias@bilfinger.com
www.water.bilfinger.com



Blue-White Industries

5300 Business Dr.
Huntington Beach, CA 92663
714-893-8529
F: 714-894-9492
sales@blue-white.com
www.blue-white.com



Bonneville Power Administration Energy Smart Industrial

123 NE 3rd Ave., Suite 400
Portland, OR 97232
503-287-8488
www.energy-smartindustrial.com



Branom Instrument Company

5500 4th Ave. S
Seattle, WA 98108
206-762-6050
F: 206-767-5669
sales@branom.com
www.branom.com

Brown and Caldwell

701 Pike St., Suite 1200
Seattle, WA 98101
206-624-0100
F: 206-749-2200
atyrrell@brwnncald.com
www.brownandcaldwell.com

Carollo Engineers

720 SW Washington St., # 550
Portland, OR 97205
503-227-1885
F: 503-227-1747
lkammereck@carollo.com
www.carollo.com

Cascade Analytical Inc.

3019 GS Center Rd., and
1008 W. Ahtanum
Wenatchee and Yakima, WA
98801/98903
800-545-4206
F: 509-662-1888
laura@cascadeanalytical.com
www.cascadeanalytical.com

CEI – Carbon Enterprises Inc.

28205 Scippo Creek Rd.
Circleville, OH 43113
800-344-5770
F: 888-204-9656
sales@ceifiltration.com
www.ceifiltration.com

Corrpro Companies

18852 72nd Ave., South
Kent, WA 98032
425-251-8411
F: 425-251-8415
tsheppard@corrpro.com



DN Tanks

2121 SW Broadway, Suite 150
Portland, OR 97201
503-323-2000
F: 503-323-2003
lynda.banks@dntanks.com
www.dntanks.com



DVK and Natgun
Generations Strong

Engineering America

2966 Industrial Ave.
Hubbard, OR 97032
503-682-7600
F: 651-777-5312
tcairns@engamerica.com
www.EngAmerica.com



Ferguson Waterworks

1694 91st Ave., NE
Blaine, MN 55449
763-560-5200
F: 763-560-1799
karen.olson@ferguson.com
www.ferguson.com



Force Flow

2430 Stanwell Dr.
Concord, CA 94520
925-686-6700
F: 925-686-6713
info@forceflow.com
www.forceflow.com

The Ford Meter Box Company, Inc.

PO Box 443
Wabash, IN 46992-0443
260-563-3171
F: 800-826-3487
info@fordmeterbox.com
www.fordmeterbox.com

Golder Associates Inc.

18300 NE Union Hill Rd.,
Suite 200
Redmond, WA 98052
425-883-0777
F: 425-882-5498
dbehrens@golder.com
www.golder.com

Gray & Osborne, Inc.

701 Dexter Ave., North, Suite 200
Seattle, WA 98109
206-284-0860
F: 206-283-3206
grayosborne@g-o.com
www.g-o.com

Hasa, Inc.

23119 Drayton St.
Santa Clarita, CA 91350
661-259-5848
C: 661-510-7122
F: 661-793-7404
gloriawilson@hasapool.com
www.hasapool.com



Hydra-Stop

144 Tower Dr.
Burr Ridge, IL 60527
708-389-5111
F: 708-389-5125
dchristensen@idexcorp.com
www.hydra-stop.com

**Kennedy/Jenks
Consultants, Inc.**

1191 2nd Ave., Suite 630
Seattle, WA 98101
206-753-3400
F: 206-652-4927
crystalsackman
@kennedyjenks.com
www.kennedyjenks.com

Krausz USA

331 SW 57th Ave.
Ocala, Fla 34474
ID: 352-789-9190
WA/OR: 352-789-1769
F: 352-304-5787
ID: stan.pachorek
@krauszusa.com
WA/OR: rey.agbayani
@krauszusa.com
www.krauszusa.com



**Lakeside Industries/
EZ Street Asphalt**

PO Box 7016
Issaquah, WA 98027
425-313-2681
F: 425-313-2622
rickr@lakesideind.com
www.lakesideindustries.com



Medora Corporation

3225 Highway 22
Dickinson, ND 58601
866-437-8076
info@medoraco.com
www.medoraco.com



**Murray, Smith &
Associates, Inc.**

121 SW Salmon, Suite 900
Portland, OR 97204
503-225-9010
F: 503-225-9022
info@msa-ep.com
www.msa-ep.com

**Neptune Technology
Group Inc.**

1600 Alabama Highway 229
Tallassee, AL 36078
334-283-6555
F: 334-283-7293
marketing@neptunetg.com
www.neptunetg.com



**Owen Equipment
Company**

13101 NE Whitaker Way
Portland, OR 97230
503-255-9055
F: 503-256-3880
info@owenequipment.com
www.owenequipment.com



Pace Engineers, Inc.

11255 Kirkland Way, Suite 300
Kirkland, WA 98033
425-827-2014
F: 425-827-5043
karleenb@paceengrs.com
www.paceengrs.com

Parametrix

719 2nd Ave., Suite 200
Seattle, WA 98104
206-394-3700
F: 855-542-6353
info@parametrix.com
www.parametrix.com

**Pittsburgh Tank
& Tower Maintenance Co.**

PO Box 913
Henderson, KY 42419
270-826-9000
F: 270-831-7025
vcaudill@pttmco.com
www.watertank.com

RH2 Engineering Inc.

22722 29th Dr., SE, Suite 210
Bothell, WA 98021
1-800-720-8052
F: 425-951-5401
kyoung@rh2.com
www.rh2.com



Seametrics Inc.

19026 72nd Ave., S
Kent, WA 98032
253-872-0284
F: 253-872-0285
info@seametrics.com
www.seametrics.com



Shand & Jurs

5911 Butterfield Rd.
Hillside, IL 60162
708-236-6000
sales@ljtechnologies.com
www.ljtechnologies.com



Shannon & Wilson, Inc.

400 North 34th St., Suite 100
Seattle, WA 98103
206-632-8020
F: 206-695-6777
clw@shanwil.com
www.shannonwilson.com

Sybis LLC

9925 NE 134th Court, Suite 100
Kirkland, WA 98034
206-686-8463 x 1
F: 206-686-8463
sales@sybissolution.com
www.sybissolution.com

**United Rentals
Trench Safety**

2617 Dartmouth Lane
Spokane Valley WA 99206
509-534-7294
F: 509-534-7587
enowlan@ur.com
www.unitedrentals.com



Utility Service Group

1230 Peachtree St., NE, Suite
1100, Promenade
Atlanta, GA 30309
855-526-4414
F: 888-600-5876
help@utilityservice.com
www.utilityservice.com

Waterline Envirotech Ltd.

PO Box 28220
Bellingham, WA 98228
360-676-9635
F: 360-676-9635
contact@waterlineusa.com
www.waterlineusa.com



Gray & Osborne, Inc.

CONSULTING ENGINEERS

www.g-o.com

Seattle Yakima Olympia Arlington Wenatchee Vancouver

Electronic Leak Detection and Correlator Leak Surveys



AMERICAN LEAK DETECTION

THE ORIGINAL LEAK SPECIALISTS™

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

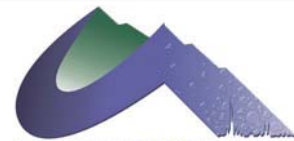
Parametrix

ENGINEERING . PLANNING . ENVIRONMENTAL SCIENCES



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

www.parametrix.com



CASCADE ANALYTICAL, INC.

Central Washington's Leading ENVIRONMENTAL LABORATORY

► Drinking Water Analysis ► Wastewater Analysis ► Storm Water ► Biosolids
Fully Accredited by WA Dept. of Health & Ecology.

Serving you from:

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

www.cascadeanalytical.com

Waterline Envirotech Ltd.

Water level indicators

Customer Friendly!



Speedy, economical repair service available

Proudly made in the USA for over 30 years.

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

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

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

Catch up on past issues of *Water Matters*:

www.pnws-awwa.org



Reach our Advertisers

Company	Page	Phone number	Web address
ACIPCO	14	205-325-7701	www.american-usa.com
AECOM	42	206-624-9349	www.aecom.com
Alpine Technical Services	3	801-272-8310	www.alpinetech.us
American Leak Detection	53	866-570-LEAK	www.americanleakdetection.com
Ameron Water Transmission Group	47	209-836-5050	www.ameronpipe.com
Badger Meter	33	800-876-3837	www.badgermeter.com
Bilfinger Water Technologies - Airvac	9	813-855-6297	www.water.bilfinger.com
Blue-White Industries, Ltd.	55	714-893-8529	www.blue-white.com
Branom Instrument Co.	42	206-762-6050	www.branom.com
Brown and Caldwell	27	206-624-0100	www.browncaldwell.com
Carollo Engineers	29	800-523-5826	www.carollo.com
Cascade Analytical Inc.	53	800-545-4206	www.cascadeanalytical.com
CEI	19	800-344-5770	www.ceifiltration.com
Corrpro	46	425-251-8411	www.corrpro.com
DN Tanks	2	503-323-2000	www.dntanks.com
Energy Smart Industrial	18	971-202-1624	www.energysmartindustrial.com
Engineering America	15	651-777-4041	www.engamerica.com
Ferguson Waterworks	4	800-283-8803	www.ferguson.com/waterworks
Force Flow	16	800-893-6723	www.forceflow.com
Golder Associates, Inc.	33	425-883-0777	www.golder.com
Gray & Osborne, Inc.	53	206-284-0860	www.g-o.com
HASA	28	360-957-0938	www.hasapool.com
Hydra-Stop	47	708-389-5111	www.hydra-stop.com
Kennedy/Jenks Consultants	42	206-753-3400	www.kennedyjenks.com
Krausz USA	11	352-789-9190	www.krauszusa.com
Lakeside Industries	24	425-313-2681	www.lakesideind.com
Medora Corporation (SolarBee and GridBee brands)	56	866 437 8076	www.medoraco.com
Murray, Smith & Associates, Inc.	26	503-225-9010	www.msa-ep.com
Neptune Technology Group	12	800-633-8754	www.neptunetg.com
Owen Equipment Company	33	503-255-9055	www.owenequipment.com
PACE	47	425-827-2014	www.paceengrs.com
Parametrix	53	360-850-5307	www.parametrix.com
Pittsburg Tank & Tower Company Inc.	10	270-826-9000	www.watertank.com
RH2 Engineering, Inc.	7	425-951-5400	www.rh2.com
Seametrics	20	800-975-8153	www.seametrics.com
Shand & Jurs	23	708-236-6000	www.ljtechnologies.com
Shannon & Wilson, Inc.	47	206. 632.8020	www.shannonwilson.com
SYBIS	25	206-686-8463	www.sybissolution.com
The Ford Meter Box Company, Inc.	13	260-563-3171	www.fordmeterbox.com
United Rentals Trench Safety	30	800-UR-RENTS	www.unitedrentals.com
Utility Service Group	32	855-526-4413	www.utilityservice.com
Waterline Envirotech Ltd.	53	360-676-9635	www.waterlineusa.com

ProSeries-M[®]

PERISTALTIC METERING PUMPS

Quality, Performance and Exclusive Features



ProSeries-M[®] Peristaltic Metering Pumps are currently offered in three models, providing a wide range of feed rates and capabilities to meet your system demands.

- 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.
- Peristaltic Performance at an Excellent Price Point.
- M-2 Models Have Advanced Serial and Ethernet Communications.
- Patented Safety Switch Helps Ensure Operator Safety when the Pump is in Maintenance Mode.
- Equipped with Blue-White's Exclusive, Patented, Tube Failure Detection System.
- Unparalleled Five Year Warranty.

BLUE-WHITE[®]
IS PROUD
TO INTRODUCE
THE NEW

Flex-A-Prene[®]
Heavy-Duty Peristaltic Pump Tubing

Flex-A-Prene[®] is a multi-channel pump tube assembly designed exclusively for Blue-White's ProSeries-M[®] and Flex-Pro[®] Peristaltic Metering Pumps. Flex-A-Prene[®] is engineered for optimum performance and pressure capability, up to 110 psi. Unmatched tube life of up to four times longer than conventional tube designs, precise flow rate, and excellent chemical resistance.

Flex-A-Prene[®] is currently available for ProSeries-M M-2 and M-3 pumps.



Blue-White[®]

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



POTABLE WATER MIXING/ICE PREVENTION

"These mixers give peace of mind, especially in winter."

Cary Johnson, water operations mgr., Rochester Public Utilities, Rochester, Minnesota



POTABLE WATER/THM REMOVAL

"GridBee in-tank aeration is effective and affordable."

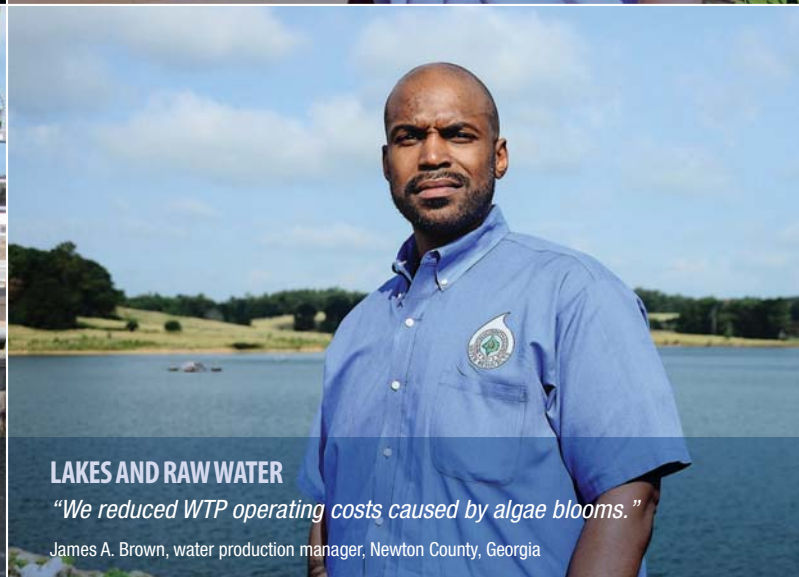
Tony Linder, WTP division chief, Dept. of Water Supply, County of Maui, Hawaii



WASTEWATER MIXING/BASINS AND LAGOONS

"We reduced our nitrate levels and lowered our energy costs."

John Willis, wastewater plant supervisor, Ventura, California



LAKES AND RAW WATER

"We reduced WTP operating costs caused by algae blooms."

James A. Brown, water production manager, Newton County, Georgia



WASTEWATER MIXING/WET WELLS

"Don't let wipes clog your pumps."

Curtis Rooth, foreman, Sewer Dept., Cromwell, Connecticut

Improve **all** of your water

Water operators and engineers rely on GridBee® electric and air-powered mixers and SolarBee® circulators to help reduce operating costs, achieve better compliance and improve water quality. Factory field service available.

Call us today for prompt, friendly service and fast, reliable results. 1-866-437-8076



Brands of Medora Corporation