



2016 WPUDA
WATER
WORKSHOP

SEPTEMBER 21-23, 2016 | Hilton Vancouver Hotel | Vancouver, WA



WEDNESDAY, SEPTEMBER 21

Pre-Workshop Activities

9:00 a.m. to 12:00 p.m. Pre-Workshop nine-hole golf scramble — The Cedars on Salmon Creek Golf Course, Brush Prairie **Sponsored by Clow Valve**

10:45 a.m.-12:15 p.m. Pre-Workshop tour:

Walking tour of downtown Vancouver led by Clark Public Utilities Commissioner Jane Van Dyke

- Includes Columbia River waterfront, unique land-bridge link to Fort Vancouver, and restored homes on fort's historic Officers Row
- Approximately 3 miles, beginning and ending at Vancouver Hilton

Afternoon Workshop Sessions and Evening Reception and Dinner

12:30 p.m. Registration Open

1:30-2:00 p.m. Welcome to Workshop: Introductory Plenary Session

2:00-3:30 p.m. Concurrent Sessions **Sponsored by Gray & Osborne, Inc.**

1-A: Emerging water resource issues

- Policy, legal and regulatory developments affecting water utilities
- Ecology policy on rural water supply, response to court rulings and other issues
- PUD discussion with legislators and regulators

Presenters: State Senator Dean Takko; State Representative Bruce Chandler; Tom Loranger, Dept. of Ecology; Bill Clarke, WPUDA

Session Leader: John Kounts, WPUDA

3:30-4:00 p.m. Break

4:00-5:30 p.m. Concurrent Sessions

2-A: Emerging drinking-water issues

- New state and federal rules and initiatives affecting PUD water systems
- PUD feedback to regulators

Presenter: Mike Means, Dept. of Health

Session Leader: John Kounts, WPUDA

6:00-9:00 p.m. Reception and Dinner **Sponsored by RH2 Engineering, Inc.**

THURSDAY, SEPTEMBER 22

7:30 a.m. Registration Open and **Breakfast Sponsored by Kennedy/M&H Valve Co.**

8:30-10:00 a.m. Concurrent Sessions **Sponsored by Ditch Witch Northwest**

3-A: Trends in legal exposure for PUD water systems

- Range of claims exposure, from safety to flooding to running out of water
- Steps to prevent and minimize accidents and claims
- Sharing of PUD experience and advice

Panelists: Ron Gibbs, Chelan PUD; Debbie Sellers, Washington Cities Insurance Authority

Session Leader: Sharon Crouch, Clark Public Utilities

10:00-10:15 a.m. Break

10:15-11:45 a.m. Concurrent Roundtable Sessions **Sponsored by Sherwin Williams**

4-A: Roundtable discussion for PUD commissioners

Session Leader: Dennis Reid, Wahkiakum PUD

3-B: Emergency preparedness and communications

- Case study of Clark County's emergency response plan
- Plan development to meet FEMA requirements
- Roles and responsibilities of all county agencies including Clark Public Utilities
- Steps to implementation in 2017

Presenters: Eric Frank, Clark Regional Emergency Services Agency; Ken Alexander, Gray & Osborne, Inc.

Session Leader: John Roth, Clark Public Utilities

3-C: Getting more from metering

- Types of data available from new water metering technology
- Managing data to improve system operations
- Moving from automated meter reading (AMR) to advanced metering analytics (AMA)

Presenter: Michele Harvey, Badger Meter

Session Leader: Ron Slabaugh, Chelan PUD

4-B: Hot topics in management: discussion group for managers and office staff

Facilitator: Doug Quinn, Clark Public Utilities

Session Leader: Bob Hunter, Kitsap PUD

4-C: Hot topics in operations: discussion group for operators

Session Leader: Mark Scott, Pend Oreille PUD

11:45 a.m.-12:45 p.m. Lunch and legal-issues presentation by attorney Marc Greenough, **Sponsored by Foster Pepper PLLC**



Golf Scramble

Join us Wednesday morning, September 21, for a nine-hole, shotgun start tournament. Make new friends and win some great prizes.

Proceeds from the tournament will benefit PUD assistance programs.

Cost: \$50 per person.

Golfers may choose their team members or request to be assigned to a team.

The Cedars on Salmon Creek Golf Course

15001 NE 181st Street, Brush Prairie, WA 98606

THURSDAY, SEPTEMBER 22 *continued*

Off-Site and On-Site Sessions, Transportation Sponsored by Murray, Smith & Associates, Inc.

1:15-2:45 (off-site session)

5-A1: Clark Public Utilities' Carol J. Curtis Wellfield

- 10 million-gallons-per-day source of water supply
- ATEC iron and manganese removal system
- Chlorination with onsite sodium hypochlorite generation

Presenter/Session Leader:

Russ Knutson, Clark Public Utilities

3:00-4:30 p.m. (off-site session)

5-A2: What's new in SCADA, and demonstration of Clark Public Utilities' SCADA system

- Developments in equipment and software
- Cybersecurity improvements to prevent system hacking
- Demonstration of CPU's system telemetry
- How acquired data is used for CPU's system management

Presenter: Ray Norman, Wonderware by Schneider Electric

Presenter/Session Leader:

Dan Charlson, Clark Public Utilities

1:15-2:45 p.m. (on-site session)

5-B1: Water loss-reduction programs and water audits

- What goes into effective loss-reduction and audit programs
- Examples of system-specific results
- Sharing of PUD experience

Panelists: Shawn Desy, Chelan PUD; Oscar Maciel, Clark Public Utilities; David Vasquez, Kitsap PUD

Session Leader: John Roth, Clark Public Utilities

3:00-4:30 p.m. (on-site session)

5-B2: Hydro excavation and horizontal drilling to install mains

- Pros and cons of hydro excavation and hole-hogging
- PUD experience with both techniques
- Tips on choosing contractors and equipment
- Field demonstration

Presenter: Les Staples, Ditch Witch Northwest

Session Leaders: Justin Zucconi and Andrew Holmes, Clark Public Utilities

5:30 p.m.

Dinner and/or Brewcoveer brewery walking tour groups meet in the hotel lobby (optional)

FRIDAY, SEPTEMBER 23

8:30-10:00 a.m. Concurrent Sessions Sponsored by Badger Meter

6-A: Cost-of-service principles in rate setting

- Data needed to determine cost of service
- Process and calculations for cost-of-service rate design

Presenter: Sergey Tarasov, FCS Group

Session Leader: Darrel Hawes, Stevens PUD

6-B: Source-water quality issues encountered by PUDs

- Concerns about groundwater injection wells
- Challenges from septic-field effluent
- Shallow-aquifer recharge of reclaimed water
- Contaminants of concern including lead, arsenic, nitrates and pharmaceuticals
- Prevention and treatment techniques

Presenter: Ginny Stern, Dept. of Health

Session Leader: Mark Morgan, Kitsap PUD

6-C: PUD responses to drought, fires and other emergencies

- Sharing of PUD experience with last year's drought and fires
- State perspectives from the Depts. of Ecology and Health
- Planning for future droughts and emergency response

Panelists: Jeff Marti, Dept. of Ecology; Dorothy Tibbetts, Dept. of Health; Tom Martin, Clallam PUD; Mark Scott, Pend Oreille PUD

Panelist/Session Leader: Ron Slabaugh, Chelan PUD

10:00-10:15 a.m.

Break

10:15-11:45 a.m.

Concurrent Sessions

7-A: Water availability and land-use law

- Latest legal developments linking water and the Growth Management Act
- Significance of *Whatcom County v. Hirst* state Supreme Court case

Presenter: Tom Pors, attorney

Session Leader: Bill Clarke, WPUDA

7-B: Dealing with customer concerns about water contaminants

- Responding to customer inquiries about lead and copper
- Understanding how Washington differs from other states in testing requirements
- Preparing public speaking points and outreach materials
- Dealing with local hotspots such as lead in school plumbing

Panelists: Mark Morgan, Kitsap PUD; John Roth, Clark Public Utilities; Aaron Petroff, Clallam PUD; TJ Goos, Mason PUD No. 1

Panelist/Session Leader: Ed Heidt, Skagit PUD

7-C: Recent PUD water system projects

- Presentation by PUDs of their current or planned projects
- New or innovative uses of technology

Panelists: Tom Martin, Clallam PUD; Lee Odell, CH2M Hill; George Sidhu, Skagit PUD

Panelist/Session Leader: Jocelyne Gray, Mason PUD No. 1

11:45 a.m.-12:15 p.m. Box Lunch, Workshop Evaluation and Prize Drawing Sponsored by HDR Engineering, Inc.

Our Sponsors

Sapphire

Turquoise

Aqua

FOSTER PEPPER PLLC
ATTORNEYS AT LAW



KENNEDY VALVE



REGISTRATION FORM

Attendee Name _____ Title _____

PUD/Organization _____ Form Completed by _____

Phone Number _____ Email _____

Please note any dietary restrictions for meals _____

Registration fees and additional activities – Includes most meals (Does not include a guest)

- WPUDA Member Fee\$175
- Non-Member Fee (by invitation)\$225
- Golf Tournament.....\$50
- Dinner Guest\$35

Total for all fees checked above: \$ _____

Single day registrants. Two or more days must pay the full registration rate.

- Wednesday\$75
- Thursday\$110
- Friday\$60

Total for single day registration checked above:..... \$ _____

GRAND TOTAL:..... \$ _____

- Invoice PUD
- Check Enclosed Payable to Washington PUD Association
- Please charge my credit card:

Visa MasterCard Number _____ Exp. Date _____ CVV _____

Cardholder's Name (please print) _____ Billing ZIP _____

You may select any combination of sessions you wish to attend. **CEU credits for water and wastewater operators are pending.**

Wednesday, September 21

9:00 a.m.

- Golf Scramble
- Downtown Vancouver walking tour

2:00 p.m.

- 1-A: Emerging water resource issues
- 1-B: Benefits and challenges of high-density polyethylene pipe

4:00 p.m.

- 2-A: Emerging drinking-water issues
- 2-B: Hydrant mechanics and sampling techniques for water system operators

6:00 p.m.

- Reception and Dinner

Thursday, September 22

8:30 a.m.

- 3-A: Trends in legal exposure for PUD water systems
- 3-B: Emergency preparedness and communications
- 3-C: Getting more from metering

10:15 a.m.

- 4-A: Roundtable discussion for PUD commissioners
- 4-B: Hot topics in management: discussion group for managers and office staff
- 4-C: Hot topics in operations: discussion group for operators

1:15 p.m.

- 5-A1: Clark Public Utilities' Carol J. Curtis Wellfield
- 5-B1: Water loss-reduction programs and water audits

3:00 p.m.

- 5-A2: What's new in SCADA, and demonstration of Clark Public Utilities' SCADA system
- 5-B2: Hydro excavation and horizontal drilling to install mains

Friday, September 23

8:30 a.m.

- 6-A: Cost-of-service principles in rate setting
- 6-B: Source-water quality issues encountered by PUDs
- 6-C: PUD responses to drought, fires and other emergencies

10:15 a.m.

- 7-A: Water availability and land-use law
- 7-B: Dealing with customer concerns about water contaminants
- 7-C: Recent PUD water system projects

11:45 a.m.

- Box lunch



LODGING INFORMATION

Hilton Vancouver Hotel
Vancouver, WA
360-993-4500
Group Code: PUD
Room Rate: \$151 plus tax