

Making the Best of 21st Century Filtration

Advances and Challenges

Date: March 13, 2018 (8.30am check-in, 9.00am start, 4.30pm end)

CEUs: 0.6 CEUs (pending for WA and OR)

Location: Vancouver Water Resources Education Center
4600 SE Columbia Way, Vancouver WA 98668

Cost: **AWWA Member Price**

\$75 Early registration (if paid by January 19)

\$100 (if paid after January 19 and before March 2)

\$125 (after March 2 and at the door, if space available)

Non-AWWA Members need to add \$25 to above fees



Questions? Contact Alex Mofidi, AWWA-PNWS Research Chair
206-866-4562, or alex@confluence-engineering.com

This workshop will include:

- ✓ Technical presentations by local and national experts,
- ✓ Practical, case-study presentations by local utility staff with recent filtration project experience,
- ✓ Relevant topics to large and small utilities with and without filtration projects,
- ✓ Cutting-edge industry knowledge, and
- ✓ Beneficial information for utility managers, engineers, operators, and consultants!

Presentation Themes Include the following

1. Facility Planning, Engineering, and Startup
 - Regulatory drivers
 - Safety in Design
 - Pre-testing and planning
2. The Science of Filtration
 - Treating challenging, “clean” waters of the Pacific Northwest
 - Oxidation options and benefits
 - Biological treatment
3. Goals, Challenges, and Benefits of New Facilities
 - Impacts on solids handling, staffing, and general O&M
 - Source management
 - Distribution system and customer impacts

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Co-presented by the PNWS-AWWA Research and Treatment Committees



American Water Works Association
Pacific Northwest Section