



Collection Systems Committees



PNCWA / NEWEA JOINT WEBINAR PROPOSAL

Rev: 3.3

Date: August 24, 2021

Infiltration and Inflow Coast to Coast: Tools and Technology Webinar

The Pacific Northwest Clean Water Association (PNCWA) and the New England Water Environment Association (NEWEA) propose to jointly sponsor a webinar on Infiltration and Inflow (I&I) impacts, comparing and contrasting how this problem affects communities in both regions and sharing lessons learned.

Purpose:

- To share collections systems knowledge across regions of the United States.
- To better understand what I&I problems are common and what I&I problems are unique to each region.
- To discuss lessons learned to support other I&I reduction programs.

What:

- Agency presentations and round table discussion with six agencies. Webinar Format (3 hours)

When: Plan for November 9th, 2021. The Webinar will run from 8:30 AM PST (11:30 AM EST) till 11:30 AM PST (2:30 EST).

Who:

- Joint sponsorship between the Collection Systems Committees at PNCWA and NEWEA.
- Primary speakers: Three from the New England Region (one large community, one small community, and one regulatory representative) and three from the Pacific Northwest (one large community, one small community, and one regulatory representative).
 - Current Speakers List:
 - King County, WA – Bob Swarner
 - Sweet Home, OR – Greg Springman
 - Idaho DEQ – A.J. Maupin
 - Massachusetts DEP – Jim Barsanti
 - Fitchburg, MA – Tony Maressa
 - Hartford, CT MDC – Jason Waterbury (supported by Joe Laliberte CDM Smith)
 - Jeff Schmidt (PNCWA) and Scott Lander (NEWEA) opening remarks / intros
 - MA Presidents - Virgil Lloyd (NEWEA) and Rob Lee (PNCWA) will provide opening remarks
 - Vonnie Reis – City of Melrose, MA – Facilitator / Leads Round Table Discussion



Webinar Outline / Agenda:

1. Introductions (10 min)
2. First Agency (20 min)
 - 5-minute overview on size of service area, age of system, unique elements.
 - 10-minute discussion on I&I efforts and history to date touching on major topics listed below
 - 5-minute discussion on future outlook on I&I. Any major concerns and approaches to dealing with I&I as infrastructure ages.
3. Second through fourth speakers follow suit (80 min total)
4. 5-minute stretch break (5 min)
5. Fifth and sixth speakers follow suit (40 min total)
6. After all 6 have spoken (20 minutes each), work through a round table discussion on topics above and open Q&A (45 minutes)

Discussion Topics / Presentation Considerations:

- Each agency to address the following based on their unique situation and what applies:
 1. What are your most substantial I&I problems?
 - Public Inflow: Direct connections from catch basins, leaking MH covers, etc.
 - Private Inflow: Sump Pumps, roof leaders, illicit connections
 - Infiltration: Pipe material and age of pipes, lots of minor cracks or major defects
 2. I&I identification techniques
 - Traditional methods: Traditional flow metering, smoke testing, dye testing, CCTV, etc.
 - Innovative methods: Micro-Metering, Focused Electrode Leak Location, other new technologies?
 3. Rehabilitation or Pipeline Replacement
 - Trenchless vs. open cut
 - Pros and cons of various technologies
 4. I&I program costs
 - I&I identification and analysis costs
 - Pipeline rehabilitation and replacement costs to remove I&I
 5. What are your success rates at removing I&I? Any interesting success stories, failure stories or lessons learned?
 6. Politics: What sort of political influences do you have to navigate? What are the political interactions between regional wastewater providers and individual Cities?
 7. What sort of climate change impacts have you seen or expect in the years ahead?
 8. How do you handle private property impacts and private laterals contributing I&I to your system? Any changes to Municipal Code, Council approvals required, etc.? How did you address funding associated with private property work?
 9. Regulatory requirements in your city / state / region (input from regulatory representatives). For example, what storms are looked at? SSOs impacts and regulations?



Logistics:

- Webinar based. Moderators (Jeff and Scott) to ask questions based on those posted in the chat box. Vonnie Reis will serve as facilitator of round table discussion with presenters and will have some questions ready to keep the conversation going.
- Work with support team from NEWEA to set up the webinar. Will use PheedLoop platform.
- Work with PNCWA (MeetGreen) and NEWEA to advertise and support getting CEU for attendees (plan for 2-3 PCHs).

Financials:

- Registration Fee:
 - Current plan is to charge members \$50 to join, with \$75 for a late entry.
 - Regulators will get a reduced price (\$25)
 - Non-Members of either WEF to pay \$75
- Budgeted Costs:
 - Cost for PheedLoop is \$425. Assume \$125 for marketing. Total cost is \$550.
 - NEWEA admin costs for setting up and running the webinar = \$1,328.
 - Total Cost = Approx. \$1,900
- Planned Revenue:
 - Assuming 38 in attendance, we break even.
 - Any additional revenue above this number will get split between the organizations.
 - Anticipating likely attendance between 50 – 100.

Contact Information:**Webinar Coordinators / Moderators:****Scott Lander**

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Vonnie Reis

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Webinar Speakers:**1. City of Fitchburg, MA**

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5. Sweet Home, OR**Greg Springman | Public Works Director**

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6. Idaho Dept. of Environmental Quality (DEQ)

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