

## 2018 Hot Water Forum

Hilton Portland Downtown • Portland, OR • March 20-22, 2018

*SCHEDULE AT A GLANCE (subject to change)*

Tuesday, March 20					
11:00 am – 3:00 pm (tentative)	Pre-Conference Demo Field Trip ( <i>optional</i> )				
4:00 – 7:30 pm	Registration Open				
5:30 pm – 8:00 pm	Reception				
Wednesday, March 21					
7:30 am – 6:00 pm	Registration Open				
8:00 – 9:00 am	Continental Breakfast / Visit Displays				
9:00 – 10:30 am	Welcome, Introductions, and Plenary Panel				
10:30 – 11:00 am	Networking Break ( <i>Sponsored by AO Smith</i> )				
10:45 am – 12:45 pm	Drain Water Heat Recovery (Accredited CEU training – <i>additional registration required</i> )				
11:00 am – 12:30 pm Breakout Sessions	1	A	B	C	D
		The Connected Future: Policy, Theory, and Infrastructure for Getting to Scale	Verification and Validation of Hot Water System Simulations	Large Scale Electric Heat Pump Water Heaters in Multifamily Buildings	Navigating a Sea of Change: How Utilities are Addressing the Evolving Water Heater Market
12:30 – 1:30 pm	Networking Lunch / Visit Displays				
1:30 – 3:00 pm Breakout Sessions	2	The Connected Future: Policy, Theory, and Infrastructure for Getting to Scale	The Latest in CO <sub>2</sub> Heat Pump Research	Changes in Residential Hot Water Use and Opportunities for Savings	Developments in Water Heating Policy and Regulation
		3:00 – 3:30 pm	Networking Break ( <i>Sponsored by AO Smith</i> )		
3:30 – 5:00 pm Breakout Sessions	3	The Consumer Experience: Findings from the Field of Connected Pilots	The Future of Solar Water Heating	Commercial & Industrial Applications of High-Efficiency Gas Water Heating I	Using Innovative Market Research to Inform Program Evolution: Examples from the Northwest
		5:15 – 6:15 pm	Lightning Session – Shameless Commerce		
6:15 – 7:30 pm	Welcome Reception				
7:30 – 9:00 pm	Informal Session				

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### Thursday, March 22

7:30 am – 4:00 pm	<b>Registration Open</b>				
8:00 – 9:00 am	<b>Continental Breakfast / Visit Displays</b>				
9:00 – 10:30 am <b>Breakout Sessions</b>	<b>4</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
		Developments in Gas Heat Pump Water Heaters	Designing Hot Water Distribution, Delivery, and Plumbing Systems	Field Monitoring of End-Use Fixtures and Equipment in Commercial Kitchens	Promoting Water Heating through Midstream Programs
10:30 – 11:00 am	<b>Networking Break</b> <i>(Sponsored by: International Code Council)</i>				
11:00 am – 12:30 pm <b>Breakout Sessions</b>	<b>5</b>	Technology Developments: Grid-Connected Controls, Monitoring, and Retrofit Opportunities	Heat Pump Water Heaters	Advanced Gas Water Heating for Multifamily Buildings: Cutting Edge Boilers and Heat Pumps	Legionella and Other Microorganisms
12:30 – 1:30 pm	<b>Networking Lunch / Visit Displays</b>				
1:30 – 3:00 pm <b>Breakout Sessions</b>	<b>6</b>	Smart Controls for Efficient Hot Water Generation and Distribution	HERS and WERI Capturing Energy and Water Use in Hot Water Systems	Commercial & Industrial Applications of High-Efficiency Gas Water Heating II	Do We Need Hot Water for Handwashing?
3:00 – 3:30 pm	<b>Networking Break</b> <i>(Sponsored by: International Code Council)</i>				
3:30 – 5:00 pm <b>Breakout Sessions</b>	<b>7</b>	Technology Developments: Grid-Connected Electric Resistance Water Heaters	What the the Best Approaches for the Combi Systems?	Final Results from Demonstration of Hot Water Systems in Commercial Kitchens for the California Energy Commission	Solar Hot Water for a Cooler Climate: Massachusetts Campaigns for the Municipal and Residential Sectors