

## **Post-conference workshop: Successful implementation and operation of wastewater thermal energy recovery projects**

### **2025 IWA Resource Recovery Conference: From novel concepts to business**

The 2025 IWA Resource Recovery (IWA RR) Conference is a dynamic platform for sharing best practices, driving scientific progress, and unveiling cutting-edge innovations and real-world case studies in resource recovery from water. Join the post-conference workshop, exploring wastewater thermal energy recovery inside and outside the treatment plant fence line.

Date: Friday, 23 May 2025

Time: 09.00-16.00 CEST

Location: Fletcher Hotel Paleis Stadhoudersplein 29, 8911 HJ Leeuwarden

Organizers:

Dan Freedman, Director for Technology and Innovation, Metro Water Recovery, Co-Chair.

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### Agenda

Breakfast and Introductions	08.30-09.00
Welcome and WTEU Introduction	09.00-09.15
<i>Tanja Rauch-Williams, Dan Freedman - Workshop introduction and overview, logistics</i>	
<b>PART 1 – International WTEU Case Studies – Drivers and Success Factors</b>	<b>09.15-10.30</b>
<i>Practical takeaways, successful implementations and operation, lessons learned, relevant country and regional specific conditions.</i>	
<b>US</b> - Dan Freedman, Director of Technology and Innovation. Metro Water Recovery, USA. Wastewater heat recovery drivers in the Western US and Metro Denver’s program approach.	20 min
<b>Germany</b> - Hakan Kurc (tentative), Program Lead Heat from Wastewater, Berliner Wasserbetriebe, Germany. Overview of the wastewater heat recovery program in Berlin and program drivers.	20 min
Q&A - Discussion	35 min
<b>MORNING BREAK</b>	<b>10.30-10.45</b>
<b>PART 1 – International WTEU Case Studies – Drivers and Success Factors</b>	<b>10.45-12:00</b>
<b>Finland</b> Kristian Sahlstedt, Director, Wastewater Treatment, HSY, Helsinki, Finland. WTEU in district energy portfolio.	20 min
<b>Austria, Vienna</b> Christoph Segalla, Wien Energy, WTEU Project Lead Large-scale WTEU project design, startup, and operation.	20 min
Q&A – Discussion	35 min
<b>LUNCH BREAK</b>	<b>12.00-13.00</b>
<b>PART 2 – WTEA Technology Selection and Energy Distribution System Integration</b>	<b>13.00-14.00</b>
<i>Gunnar Peer Hansen, Project Engineer, Energy management and technologies, Hamburg Wasser, Germany, Large-scale WTEU project implementation.</i>	20 min
<i>Hakan Kurc (tentative), Program Lead Heat from Wastewater, Berliner Wasserbetriebe, Germany. Berlin’s Wastewater Thermal Energy Program: Lessons learned on management, opportunity prioritization, and technology selection.</i>	20 min
Q&A - Discussion	20 min
<b>AFTERNOON BREAK</b>	<b>14.00-14.15</b>
<b>PART 3 – Utility Role, Business Models, Project Financing</b>	<b>14.15-15.35</b>

<p><i>Erika Kinno, Policy and Research Supervisor, King County, US. WTEU Policy Lead. King County Sewer Heat Recovery: Drivers, Program Development, Business Model.</i></p>	<p>20 min</p>
<p><i>Francisca Braga, PhD Student, Skanderborg Forsyning, DTU and VIA University College, Denmark. <b>Optimizing Heat Recovery from a Utility Perspective: Lifecycle Assessment and Predictive Modelling of Project Impacts.</b></i></p>	<p>20 min</p>
<p><i>Saul Kinter, Business Development Program Manager, DC Water, US. Utility perspective on alternative income, WTEU environmental attributes, opportunity development.</i></p>	<p>20 min</p>
<p><i>Q&amp;A - Discussion</i></p>	<p>20 min</p>
<p><b>PART 4 – World Café Roundtable Discussions</b></p>	<p>15:50-16:50</p>
<p><i>Facilitated knowledge transfer and discussions in table groups. Groups will change after 15 min. by topic area and participants to maximize networking and relationship building.</i></p> <p><i>Topic 1 – Real-world System Operation and Maintenance</i></p> <p><i>Topic 2 – Business Models and Contracting</i></p> <p><i>Topic 3 – Economics Drivers for Successful Implementation</i></p> <p><i>Topic 4 – Technology Selection and Design Considerations</i></p>	
<p><b>Workshop Concluding Remarks</b></p>	<p>16:50-17:00</p>
<p><b>Post-Workshop Reception</b></p>	<p>17:00-18:30</p>