

Workshop 1: Thermal Distribution

Monday, February 27		Location: Escondido
7:00 am – 7:00 pm	Registration Open – Vineyard Foyer	
7:00 am – 8:00 am	Workshop Breakfast – For registered Workshop participants – Mesilla	
7:20 am – 7:50 am	Workshop Speaker and Moderator Orientation Meeting – San Saba 3	
8:00 am – 8:10 am	Workshop Introduction - Paul Zmick, University of Virginia; Michael Schorsch, Lansing Board of Water & Light; Jennifer Meisenhelder, University of Florida	
	Session 1: Trends, Opportunities and Challenges in Thermal Distribution <i>Moderators: Paul Zmick, University of Virginia; Michael Schorsch, Lansing Board of Water & Light; Jennifer Meisenhelder, University of Florida</i>	
8:10 am – 8:35 am	Utilities Department Self Performs Campus Distribution Infrastructure – Laura Duncan, Gilsulate International, Inc.; Nathan Jones, Texas A&M University	
8:40 am – 9:05 am	New Campus, New Materials; Harvard Tests HDPE for District Energy Distribution – Stephen Pollard, RMF Engineering, Inc.; Susy Bunanta, Harvard Eng. & Utilities	
9:10 am – 9:35 am	Optimizing Heat Distribution By Means Of Wireless Network Conditions Monitoring / Case: Espoo Clean Heat By Fortum Power & Heat, Finland – Petri Tuominen, Vexve Oy	
	Session 2: System Safety & Emergency Response <i>Moderators: Pat Davin, Veolia; Michael Schorsch, Lansing Board of Water & Light</i>	
9:40 am – 10:05 am	System Safety Open Discussion - Lock out tag out systems, near misses and lessons learned Ryan Trickett, University of Washington; Raymond Shell, University of Washington; Cameron Ratliff, University of Virginia;	
10:05 am – 10:25 am	Refreshment Break – Mesilla	
	Session 3: Distribution Technologies & Modeling <i>Moderators: Cameron Ratliff, University of Virginia, Michael Schorsch, Lansing Board of Water & Light</i>	
10:30 am – 10:55 am	RTU Enclosure Upgrades – a History of The Research, Testing, And Development That Landed ConEdison with the Current Design – Kirill Zolotov & Modesto De La Cruz ConEdison	
11:00 am – 11:55 am	Distribution System Technologies Open Discussion - Open discussion about the technologies that impact distribution systems. Topics include steam main risk modeling and robotic inspections; steam trap monitoring; flushing Tim Gephardt, University of Missouri; Pankaj Sharma, ConEdison; Sean McFarling, Evergreen Energy	
12:00 pm – 1:00 pm	Workshop Luncheon – For registered Workshop participants – Mesilla	
	Session 4: Operations & Implementation <i>Moderators: Paul Zmick, University of Virginia & Jennifer Meisenhelder, University of Florida</i>	
1:05 pm – 2:00 pm	The Pursuit of Low Temperature: The Evolution of Decarbonizing Your System Evolution and Future of the Steam System – system decarbonization updates and case studies. <i>Frank Cuomo, ConEdison</i>	
2:05 pm – 3:00 pm	Widgets and Piping and Insulation, Oh My! - Compare & Contrast Discussion of Competing Materials Cameron Ratliff, UVA; Bijendra Sewak, Stanford University; Doug Jablonski, Detroit Thermal; Don Silvia, Vicinity Energy; Nathan Jones, Texas A&M;	
3:05 pm – 3:25 pm	Refreshment Break – Mesilla	
	Session 5: Looking Ahead <i>Moderators: Paul Zmick, University of Virginia; Michael Schorsch, Lansing Board of Water & Light; Jennifer Meisenhelder, University of Florida</i>	
3:30 pm – 4:00 pm	Future Workshop Topics	
4:00 pm – 5:00 pm	Campus Forum – Texoma	Thermal Distribution Forum – Escondido
5:00 pm – 6:30 pm	Opening Reception with Business Partner Exhibitors – Tate A/B	