

Workshop 2: Decarbonizing with District Energy

Monday, February 27		Location: High Plains
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 – Bob Smith, RMF Engineering; Tom Nyquist, Princeton University	
	Session 1: Planning Moderators: Bob Smith, RMF Engineering; Tom Nyquist, Princeton University	
8:10 am – 8:35 am	CHP and Decarbonization – Bruce Hedman, Entropy Research, LLC	
8:40 am – 9:05 am	Outcomes Based Procurement For Accelerated Large Scale Decarbonization – Marc Couture, University of Toronto; Ron Saporta, University of Toronto	
9:10 am – 9:35 am	Energy System Optimization Modeling and District Energy – Steve Jenks, Jacobs; Pavanchandra Mandava, Jacobs	
9:40 am – 10:05 am	Decarbonization Advancement through Business & Operational Efficiencies – Michael Pieper, University of North Dakota; William Hughes, Guidehouse Insights; Russell Garcia, Johnson Controls	
10:05 am – 10:25 am	Refreshment Break – Mesilla	
	Session 2: Funding/Opportunities/Business Models Moderators: Bob Smith, RMF Engineering; Tom Nyquist, Princeton University	
10:30 am – 10:55 am	Update on ASHRAE's Task Force for Building Decarbonization – Blake Ellis, Burns & McDonnell	
11:00 am – 11:25 am	How To Finance and Execute Your Decarbonization Roadmap – Rocio Vasquez, ENGIE North America	
11:30 am – 11:55 am	Helping Non-Technical Users Assess Decarbonization Opportunities With District Energy: The Energy Fellow Software Tool – Carlos Gamarra, Houston Advanced Research Center (HARC)	
12:00 pm – 1:00 pm	Workshop Luncheon – For registered Workshop participants – Mesilla	
	Session 3: Implementation/Case Studies/Lessons Learned Moderators: Bob Smith, RMF Engineering; Tom Nyquist, Princeton University	
1:05 pm – 1:30 pm	Decarbonizing UBC's District Energy System – Stephen Yu, FVB Energy Inc.	
1:35 pm – 2:00 pm	Stanford's Amazing (and Ongoing) Decarbonization Journey – Lincoln Bleveans, Stanford University	
2:05 pm – 2:30 pm	University of Washington Decarbonization Roadmap – David Woodson, University of Washington - Campus Energy, Utilities, and Operations	
2:35 pm – 3:00 pm	Amherst College Decarbonization Progress Update – Lindsey Olsen, Salas O'Brien; Aaron Hayden, Amherst College	
3:05 pm – 3:25 pm	Refreshment Break – Mesilla	
	Session 4: Wrap Up Moderators: Bob Smith, RMF Engineering; Tom Nyquist, Princeton University	
3:30 pm – 4:00 pm	Workshop Wrap Up/Discussion	
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	