

Panel 12b: Data Centers: Load Growth and Solutions (1/2 Panel)

Panel Leaders: Mitch Rosenberg, DNV and Eric Yang

DATE	SESSION	TITLE	LEAD AUTHOR, ORGANIZATION
Tues 8/4	Session 1 8:30 am - 10:00 am Our Better Guesses: Forecasting Data Center Load	<i>Cutting Through the Noise: Forecasting Real Data Center Load and Efficiency Potential</i>	Andrea Salazar, Michaels Energy
		<i>Predicting the Unpredictable: Forecasting Data Center Load Growth in a Reliability Region</i>	Mitchell Rosenberg, DNV
		<i>Determining Probabilistic Outcomes For Data Center Load Growth in the Southeast Using Monte Carlo Modeling</i>	Kavin Manickaraj, Greenlink Analytics
	Session 2 10:30 am - 12:00 pm AI Data Center Cooling & Waste Heat Reuse: Framework, Technologies, Opportunities	<i>Can an AI Chatbot Help Heat Your House? Exploring Data Center Waste Heat Recovery Opportunities</i>	Mark Umland, Guidehouse
		<i>Data-Center Waste Heat for District Energy: A Modeling Framework</i>	Imram Aziz, Georgia Tech
		<i>TBD</i>	
Thurs 8/6	Session 1 8:30 am - 10:00 am Frontiers in Data Center Energy Efficiency	<i>Growing Data Center Capacity and Reducing Grid Impact: Strategies for Efficient, Safe, and Reliable Facilities</i>	Kieren McCord, Pacific Northwest National Laboratory
		<i>Beyond Air: Energy Performance and Market Insights for Data Center Liquid Cooling Strategies</i>	Subhrajit Chakraborty, UC Davis
		<i>New Data Center Design Software Tool: MOSTCOOL (NO PAPER)</i>	Kaiyu Sun, Lawrence Berkeley National Laboratory
	Session 2 10:30 am - 12:00 pm Load Flexibility in Data Centers: New Models for Building Capacity and Integrating Clean Energy	<i>Servers at Sunset: Data Centers and California's Duck Curve</i>	Abraham Torok, Verdant Associates
		<i>The Capacity Accreditation of Demand Response in Southwest Power Pool</i>	Adrian Au, eThree
		<i>TBD</i>	
Fri 8/7	Session 1 8:30 am - 10:00 am Taming the Beast: Balancing Stakeholder Interests in Data Centers	<i>Powering AI: A Nationwide Review of State Strategies for Sustainable Data Center Integration</i>	Joana Abreu, VEIC
		<i>Large Loads 201: Tactical Insights on Forecasting, Ratemaking & Demand-Side Programs</i>	Nina Peluso, Energy Futures Group
		<i>TBD</i>	