

2018 SUMMER STUDY BUILDINGS: PANEL 6

UTILITIES AND THE FUTURE

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SESSION TOPICS: Making energy efficiency easy and enticing for customers is increasingly difficult in the complex and evolving utility environment. Utility EE services, portfolios and programs will need a paradigm shift to stay relevant. We seek empirical results and findings that demonstrate both successful and unsuccessful repositioning and adaptation to current and future trends. These changes include increasing EE activity outside utility programs; decarbonization of the energy sector; sustainable-beneficial electrification; the continuing rise of PV, EVs, and storage; new IoT EE measures and transactive energy markets; advanced metering and new rate structures; new evaluation methods based on smart meters, AMI data, Big or Large Data, and machine learning; Smart Cities; “stretch” goals for EE & renewable savings-generation. Example topic areas are Targeted DSM, integration of EE with other DERs, Strategic Energy Management, and EM&V 2.0.