

TC 7.5 Smart Grid Subcommittee Meeting Agenda
 2016 Annual Meeting, St. Louis
 Sunday (6/26) 4:30 pm-5:15 pm
 276 (2)

0:00	Call to Order	
	Circulate Sign In Sheet, self-introduction, announce the subcommittee scope.	
15 min	Update/Discussion of RTARs/Work Statement	
	1. Development of models for better peak load predictions	
	2. Instantaneous voltage and current load from bldgs.	Ralph Muehleisen, Argonne NL
15 min	New Research Ideas, Open discussion	Joshua Rhodes
	Program ideas:	
	FERC, Utilities, and regulating bodies work – Future?	Glen Remington
	1. Green Button / Open ADR – Future?	David Holmberg/ Carol Lomonaco?
	2. 6 Million Meter Study	Joshua Rhodes
15 min	Other issues	
	Adjourn	

a: Active, p: Parking lot, n: New

This subcommittee will explore and develop ideas and research work statements to improve the building and utility interactions (and more specifically the electric grid). The research will focus on developing enabling technologies for seamless interaction of smart building components and utilities and other building services. An important aspect of this work is to identify the information that is necessary to support smart building technologies, and to identify the requirements of communication protocols to support the exchange of this information between different building services buildings and utilities, between multiple buildings, with outside service providers.

The importance of a stable and reliable electric power grid to life and the economy in the 21st century has been underscored by two major events over the last decade: a major black out on the east coast of North America and wildly varying electricity prices in California during an attempt at restructuring the electricity marketplace. In response to these events many organization (DOE, EPRI, and CEC) have started research activities to find ways to modernize the grid. However, there a significant gaps in the research activities, especially as they relate to buildings. Since buildings consume over 70% of the electric in the U.S., they have to part of the solution to modernize the grid. ASHRAE

has traditionally developed technologies, standards, and guidelines for buildings. Therefore, this subcommittee can play a major role in continuing this effort.