Minutes

TC 6.9 Research Subcommittee Meeting

Monday, January 20th, 2014

3:50 Lincoln (H4)

New York City

Research Plan Review

Design And Utilization of TES to Increase the Effectiveness of Renewable Energy Resources
Cool Thermal Storage Design Guide Revision/Update
TES for Energy Code Compliance
Methods to Address High Flow Requirements When Using TES for Emergency Cooling
Secondary Coolants, Refrigerants Efficiency Improvements to TES

Update-Discussion:
WS 1607 – Design and Utilization of Thermal Energy Storage to Increase the Ability of Power Systems to Support Renewable Energy Resources – Previously titled, "Design and Utilization of Thermal Energy Storage to Increase the Effectiveness of Wind Energy Resources."
Returned from RAC with Comments.

Lary Markell has spoken to RAC chair and will try to meet with RAC on Wednesday. We plan on responding to the three major RAC comments:
Should be funded by major players – RAC approved the RTAR. That decision has already been made.
Has EPRI been approached. We can cooperate with ASHRAE in pursuing that route.
Want short executive summary. We'll provide.

Cool Thermal Storage Design Guide Revision/Update – Returned from RAC with comments.
RAC wants us to consult with Steve Comstock.
Asked for committee members to provide background information on users who want a new guide.
Asked if any interest on producing internally. Many technologies not well represented on the committee.
Significant disagreement with the current description of chilled water storage diffuser design.

Update:
TC 6.9 co-sponsor with 1.10 – Cogeneration. "CHP Design Guide – Update to the Cogeneration Design Guide (1996)" Lucas Hyman PMS representative.

Expect vote after main committee meeting.

URP-1708

A PES reviewed the URP and voted not to recommend funding 4-0-1.

Michael Deru made a short presentation on the NREL work alrady accomplished on the impact of TES on emissions. Michael was encouraged by the committeet to pursue submit a URP.

Two additional topics to consider for research projects included:
TES for residential applications

And

Chilled water storage diffuser design.