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| http://ashrae.org/Image%20Library/Static/logo_ashrae.png?code=72c4166c-fe1f-490d-abad-d16d2147f7f2**Meeting Report**  **TC 7.6 Research Subcommittee**  Sunday June 25, 2017,  1:00 PM PST  Alford (R-2)  Long Beach, Ca |

1. **~10 attendees**
2. **Research chair breakfast.**

7 RTARs considered and 4 approved this meeting so far. 22 WS considered with 1 accepted, 7 conditionally accepted, and 3 returned. 33 Innovative Research Grant pre-proposals received, 6 were selected to proceed to full proposal.

1. **RP-1702 – Studies to test the performance measurement protocols**

The project draft was complete; PMSC met immediately prior to the research subcommittee meeting.

1. **RP-1771 – Modeling of typical commercial buildings in support of the ASHRAE bEQ energy rating program**

Michael Deru gave a summary of the project background. This project has completed literature review, and reference building prototype selection.

1. **RP-1650 – co-sponsored – Training requirements for sustainable, high-performance building (HPB) operation**

Update from Hyojin Kim- the project has been going well and on schedule - just completed Task 1, which is a review of HPB systems and required knowledge skill sets for a proper of O&M of identified HPB systems. The next task of the project is to perform a survey to confirm their findings from the literature review. And finally, the project aims to develop a basis (e.g., learning objectives) for potential certification and training programs for ASHRAE, which addresses current and pertinent issues faced by the O&M personnel to operate high performance buildings.

1. **Recently completed projects**

RP – 1633” Data and Interfaces for Advanced Building Maintenance and Operation” – completed; posted online.

RP – 1651 “Development of Maximum Technically Achievable Energy Targets for Ultra-Low Energy”– completed one year ago; good feedback from members

1. **Projects in-progress**

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| **Team** | **Topic** | **Project Status** |
| Landsberg (lead) | “Alternate Expressions of Building EUI as Energy Performance Metrics” | RTAR already submitted – need to revise/rewritten |
| Landsberg, Kelsey, Eldridge | EUIs for Standard 100 from CBECS and RECS -converting to CBECS 2012 data | Needs RTAR (several potential team members; forming the state) |
| Haberl | Guideline 14 Percentages requirement | Needs RTAR (follow up with Jeff; low priority) |
| Eldridge, Xiaobing Liu (TC 6.8, etc) | MTG.ASEC (avoided source energy consumption) | WS (1804-WS) will be withdrawn |

1. **New business**

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| **Team** | **Topic** | **Project Status** |
| Balbach | Developing a standardized categorization system for energy efficiency measures | RTAR prepared |
| Boyd (lead) | MTG defensible measures of environmental and economic impact | Needs RTAR |
| Deru | Further expansion of RP-1651 scope: on-site energy, cost, peak demand, emission, water, performance matrix | New idea; needs inputs/discussion |
| Deru | Target finder based on RP-1771 | Needs RTAR |
| Boyd, TC9.9 | Data Center data set for RP-1771 | Needs RTAR |

1. **Other updates**
2. **Adjourn (~2 PM PST)**

**NEXT IN-PERSON MEETING: Jan, 2018 – Chicago, IL**