**ASHRAE TC 7.6 “Federal Buildings” Subcommittee**

**2017 Winter Conference**

**9:00 - noon - Sunday, January 29, 2017**

**Caesars Palace Hotel, 3570 Las Vegas Boulevard, Las Vegas**

**Meeting Room: Forum 4, Pool level**

**Minutes**

Meeting participants:

Alexander Zhivov – US Army ERDC, chair

Michael Case – US Army ERDC

Cyrus Nasseri – DOE FEMP

Rueidger Lohse - KEA, Germany

Larry Markel – CSRA

Michael Deru – NREL

Terry Sharp – ORNL

Livio De Santolli – AICARR, Italy

Kinga Hydras Porst – GSA

Gary Ardis – TCB/TABB

Brendon Barley – AEI

Katherine Hammack –

Paul Torcelini - NREL

1. Call to Order, Self-Introduction: 10 participants

2. **Annex 61**- end of modeling

Subtask A – Alexander Zhivov presenting:

1. DER Case Studies book will be concluded by end of February 2017 and sent to NBI for final editing
2. DER Technical Guide: is under final review and will be sent to NBI in February 2017
3. Subtask B - Business Guide (Ruediger Lohse): the first draft was sent for review in early November 2016; still ongoing is the discussion on the value of DER, working meeting at NAS in Washington, DC (February 14);
4. Subtask C – DER – Pilot Projects - Cyrus Nasseri: report is 95% done and ready for final review
5. Subtask D – DER - Decision makers’ Guide – after review of ST A, B and C guidelines, a decision making guideline will be developed by May 17.
6. Annex 61 team will develop and carry out DER trainings in the US and EU countries

**3. Annex 73** – Net Zero Energy Public Communities- Introduction: Alexander Zhivov/Rüdiger Lohse

1. Subtask A: Energy targets for public communities (Terry Sharp and Alexander Zhivov): Targets will integrate additional benefits beside energy efficiency (site and source/primary), energy security, smart power and thermal grids + micro-grids. How can energy independence, resilience, reliability of energy systems put into value? (chief resiliency officer; energy resilient cities- remark from Katherine Hammack)
2. Building models data base and calibration of energy models using real metered data (Peter Elis) Energy efficiency incremental and total costs for building, HVAC, supply, and renewable technologies, maintenance cost data;
3. Subtask B: Case studies of EMP for NZE communities: Potential Pilot projects; Best practice architecture of representative CEP scenarios and micro grids: documented case studies, classification of scenarios.
4. Suggestion to emphasize the “resilience” in the context of Annex 73
5. Next Annex 73 meeting locations and dates:

April 26-28 – Copenhagen, DK - 1st preparation phase meeting

June 25 – Long Beach , CA – interim meeting.

September – Riga, Latvia – 2nd preparation phase meeting

Meting Adjourned at noon.

Prepared by Alexander Zhivov