

Buildings Technology Research and Development Subcommittee Meeting

April 17, 2008

Location: 950 L'Enfant Plaza DOE

Time: 1:30-3:30 p.m.

Attendees¹

Shyam Sunder

Jerry Dion

Kevin Hurst

Paul Domich

Dru Crawley

Alan Schroeder

Mark Halverson

Patrick Hughes

Paul Torcellini (via telephone)

Bobbie Lippiatt

Andy Persily

Steve Bushby

Hunter Fanney

John R Weber

Ken Sandler

Alison Kinn

Dale Manty

Dana Bres

Martin Weiland

Russell Conklin

Donna McIntire

Ewa Lewandowska

William Brodt

Peter Kelley

Mila Kennett

Doug Brookman (via telephone)

Agency/Office

DOC/NIST

DOE/EE-Buildings

EOP/OSTP

DOC/NIST

DOE/EE-Buildings

DOE/EE-Buildings

PNL

ORNL

NREL

DOC/NIST

DOC/NIST

DOC/NIST

DOC/NIST

Architect of the Capitol

EPA/Green Buildings

EPA/OFEE

EPA/ORD

HUD/PD&R

GSA

DOE/CCTP

DOS/OBO

Smithsonian

NASA

DOS/OBO

DHS/S&T

Public Solutions

BTRD Co-chair

BTRD Co-chair

BTRD Ex-Sec

Next Meeting: April 17, 2008, 1:30 - 3:30 PM, 950 L'Enfant Plaza DOE)

May 15, 2008

June 19, 2008

July 17, 2008

August 21, 2008

September 18, 2008

October 16, 2008

November 20, 2008

December 18, 2008

¹ Active Members not attending identified in light gray

Introductions: Subcommittee Co-chairs Jerry Dion (DOE) and Shyam Sunder (NIST) opened the meeting of the Buildings Technology Research and Development (BTRD) Subcommittee welcoming the agency representatives and thanking them for their participation. Agency participants provided brief self-introductions.

Review of Minutes: Minutes from the previous March 25th meeting were distributed for correction and comment.

Proposed 2008 Workshop: Paul Domich and Dru Crawley briefed the Subcommittee on the spring 2008 workshop. The workshop date has been set for the 1½ day conference for May 15-16, 2008 and will be held

Date and Time: Thursday, May 15, 8:30 a.m. – 5:00 p.m.
Friday, May 16, 8:30 a.m. – noon

Place: Forrestal Auditorium (GE-086)
Forrestal Building
U.S. Department of Energy
Washington, D.C.

The workshop will focus on soliciting stakeholder input to Federal R&D Agenda for Net Zero Energy, High Performance Green Buildings. At maximum of 200 participants will be accepted on a first come – first served basis. Doug Brookman (Public Solutions, Inc) will be serving as the meeting facilitator for the workshop. Brookman, Mark Halverson, and Paul Domich have developed a draft workshop agenda. As the draft report can not be distributed to the workshop participants, an outline for each section will be developed. The outline and the Executive Summary must be reviewed and approved by OSTP prior to distributing.

Simone Katz and David Rathbun are assigned to help with the Workshop Announcement and workshop registration. The Workshop Announcement has been sent using a several large email lists provided by DOE, ASHRAE, NIBS, and the Federal Facility Council. Current registrations are at 70 participants. Contingent upon registration levels, a second announcement may be distributed using a larger National Academy of Science email list of over 900 names.

Keynote speakers from OSTP, DOE, DOC, and EPA will present high-level overviews of their departmental activities in support of net zero energy, high-performance green buildings. Meeting proceedings will be captured by DOE contractors/staff.

Technical presentations for each section of the BTRD report will be made by the primary section writers:

Dru Crawley/Bobbie Lippiatt – Performance and Integration
Dru Crawley – Net Zero Buildings Technologies and Strategies

Dale Manty – Water Use and Rainwater Retention
Ken Sander – Material Utilization
Andy Persily – Occupant Health and Performance
John Weber – Overcoming Barriers to Implementation

The schedule for preparing for the workshop follows:

April 22, 2008 – Images/graphics sent to Paul
April 25, 2008 – Completed outline form for each of the technical presentations
May 5, 2008 – Completed full presentations developed by the technical presenters
May 8, 2008 – Completed review of full presentations
May 12, 2008 – Final presentations available

The draft technical presentations will be reviewed by the BTRD Executive Group and be completed by May 8. A teleconference will be scheduled to review preparations for the workshop and to discuss comments to the technical presentations.

A possible webcast of the workshop was proposed. Dru Crawley will investigate the cost and feasibility of providing a one-way webcast in the Forrestal facility. The procedures for properly handling Press participation and possible news coverage of the event was also discussed. The workshop will be executed in compliance with FACA requirements. The Subcommittee will have Departmental General Counsel review of the workshop.

Action Item: Dru Crawley will investigate the feasibility of a workshop webcast.

Action Item: Paul Domich will develop the section outlines for OSTP review.

Action Item: EPA, OSTP, DOE and DOC confirm high-level departmental speakers to kick-off the workshop.

Review of BTRD Report: Domich provided a review of the development of the Federal R&D Agenda Report. The first complete draft document is completed on schedule.

Review of Progress: Paul Domich provided a status of the current document version v-9. Issues remain in a number of tables and graphics contained in the body of the report and the appendices. Appendix C on current Federal Mandates was determined to be excessively complex. A substitute one page description will be developed to replace the current table. Highlighted Agency programs contained in the Introduction will be limited to 3-4 entrees for each Department. Graphics contained in the Executive Summary, the Introduction, and Section 1 will be re-done by the technical editor.

The two tables listing agency roles in each of the six goals were reviewed and approved for use. Agency representatives were asked to review the tables for correctness. The table of organizations involved in net zero energy and high performance green buildings was discussed and reorganized.

Action Item: Agency Representative will review the three tables containing Programs, and Roles and Responsibilities.

Action Item: NREL Technical Editor will assist in producing better quality graphics and report format, and cover layouts. Domich will transfer the current report document to the Technical Editor for subsequent editing and formatting.

Action Item: Pat Hughes will rewrite Appendix C as indicated.

Closure: Sunder and Dion thanked the agency representatives for their participation and contributions.