

Buildings Technology Research and Development Workgroup Meeting

February 8, 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
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

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

BTRD Co-chair
BTRD Co-chair
BTRD Ex-Sec

Next Meeting: March TBD, 2008, 1:30 - 3:30 PM, location TBD)

March TBD, 2008
April 17, 2008
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: Workgroup Co-chairs Dru Crawley (DOE) and Paul Domich (NIST) opened the meeting of the Buildings Technology Research and Development (BTRD) workgroup welcoming the agency representatives and thanking them for their participation. Agency participants provided brief self-introductions.

Review of Minutes: Domich reviewed the minutes from the Dec 20, 2007 BTRD Subcommittee meeting and asked for any corrections or changes to the minutes.

Review of Timeline and Deliverables: Domich provided a review of the established timeline and deliverables for the development of the Federal R&D Priorities Report. The February 8, 2008 document represents the first full rough draft to the report. The first refined draft is expected in April 2008. This draft will be circulated to OSTP and OMB for a preliminary review prior to the 2010 budget review cycle. The refined draft will be then circulated to participating NSTC agencies for final agency review and sign-off. The final approved document will be publicly available in August 2008.

Proposed 2008 Workshop: Dru Crawley briefed the Subcommittee on a proposed spring 2008 workshop focusing on soliciting stakeholder input on technology R&D focused on energy efficiency for buildings. A facilitator has been engaged by DOE to help with the definition of the workshop, help organize the event, and in facilitating execution of the workshop. Crawley will fix the date for the workshop by the next meeting.

Action Items: Crawley will select a date for the April Workshop.

Review of Progress: Paul Domich provided a high-level overview of the report status to be discussed in detail by the section writers. Based upon reviewer's comments, the scope of the report was explicitly expanded to cover both energy-efficiency and sustainability goals as identified in EPAAct 2005 and EISAct of 2007. In general, the content contained in the draft report is becoming more focused and concise though additional work is needed to standardize the writing style throughout the entire report.

Section writers discussed their current submissions. Domich reviewed the Introduction and Background sections. Workgroup members suggested that The Desired Outcomes be abolished and included as outcomes as part of the Introduction. A graphic was suggested to describe the inter-related tasks involved in developing energy efficient, green sustainable buildings and also a chart indicating the range of Federal mandates related to the deployment of building technology by the federal agencies.

Bobbie Lippiatt (NIST) discussed the detailed changes made to the Integrated, Performance-Based Design and Operation Section. The workgroup agreed to include in this section the simulation and modeling content from the Energy

Efficiency and Greenhouse Gas Reduction Section. Patrick Hughes (ORNL) discussed progress on Energy Efficiency and Greenhouse Gas Reduction Section covering energy efficient technologies addressing comments provided by the reviewers. Alison Kinn (EPA/OFEE) provided the overview of the Water and Material Efficiency sections. Workgroup members requested that the Water and Material Efficiency section be modified to be more concise and to elevate the scope and importance of the stated R&D objectives for this section. In addition, the R&D Objectives for wastewater and storm runoff should be merged into a single R&D objective.

Paul Domich provided a brief overview of the Occupant Health and Indoor Environmental Quality section. This section will be modified to a more readable format and will eliminate the current subsections in place of R&D Objective groupings. Paul Domich and Dana Bres discussed Overcoming Barriers to Implementation. Changes will be made to this section include moving the Process Changes content from Section 4.2 into this section.

Action Item: Agency representatives are requested to send graphics that may be used in the final report. Draft quality graphics and tables are adequate at this time..

Action Item: Section writers are requested to provide changes to their sections by February 15, 2008 for incorporation in the next draft document.

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