

# Buildings Technology Research and Development Workgroup Meeting

June 19, 2008

Location: 950 L'Enfant Plaza DOE  
Time: 1:30-3:30 p.m.

## Attendees<sup>1</sup>

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 Fannery

William Ryder

Ken Sandler

Alison Kinn

Dale Manty

Dana Bres

Martin Weiland

Russell Conklin

Donna McIntire

Ewa Lewandowska

William Brodt

Peter Kelley

Mila Kennett

Joseph Levin

## 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

DOD/USACE

EPA/Green Buildings

EPA/OFEE

EPA/ORD

HUD/PD&R

GSA

DOE/CCTP

DOS/OBO

Smithsonian

NASA

DOS/OBO

DHS/S&T

OMB

BTRD Co-chair

BTRD Co-chair

BTRD Ex-Sec

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

July 17, 2008

August 21, 2008

September 25, 2008

October 16, 2008

November 20, 2008

December 18, 2008

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<sup>1</sup> Active Members not attending identified in light gray

**Introductions:** Working Group Co-chairs Dru Crawley (DOE) and Paul Domich (NIST) opened the meeting of the Buildings Technology Research and Development (BTRD) Subcommittee working group welcoming the agency representatives and thanking them for their participation. Agency participants provided brief self-introductions.

**Review of Minutes:** Minutes from the previous April 17<sup>th</sup> meeting were available in printed form for correction and comment.

**Outcomes from the 2008 Workshop:** Dru Crawley provided an overview of the May 15-16 2008 workshop and characterized the event as a success. The workshop focused on soliciting stakeholder input to Federal R&D Agenda for Net Zero Energy, High Performance Green Buildings. Approximately 80 people attended both day's presentations and discussions. Keynote speakers from OSTP, DOE, DOC, and EPA presented high-level overviews of their departmental activities in support of net zero energy, high-performance green buildings and provided an opportunity to engage participants in a panel discussion on the desired outcomes to the meeting.

Technical presentations for each section of the BTRD report were 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 question of additional workshops to serve as follow-up to the May Workshop was also discussed. Overall, the working group supported the idea and suggested that the draft report indicate that additional workshops may be sponsored by the BTRD. Section 7 on Collection, Analysis, and Dissemination of Research Results will be altered to explicitly include mention of follow-up workshops.

**Action Item:** Workshop materials will be made available on the new OSTP-hosted BTRD website (see below).

**Review of BTRD Report:** Domich provided a review of the development of the Federal R&D Agenda Report. The complete draft document has been updated with improved graphics and a revised Appendix C on Federal Mandates. Following the May 15-16<sup>th</sup> Workshop, lead writers were asked to review the workshop transcripts and their personal meeting notes and make required revisions to their sections. Of the six technical sections, the sections on water, materials, and barriers received the most substantial revisions. These altered

sections were edited and modified to match the current report format. Lead writers were again asked to review their sections for correctness.

Difficulties in clearly presenting the content in Appendix C on Federal Mandates resulted in a revised vision for this appendix which will be an abbreviated summary in bulletized format describing various public laws, executive orders, and memorandum of understandings. This appendix will be renamed Details of Recent Legislative Acts, Memorandums of Understanding, and Executive Orders. The agency's roles and mission areas captured in Appendix D was also reviewed. Entries in the table include both lead agency and supporting role responsibilities. In most instances, more than one agency shared lead agency responsibility. The subcommittee asked that this table more accurately reflect lead and supporting roles.

A "contributors" page will be added to the report that includes both the primary and secondary representatives on the Subcommittee as well as an extensive list of other agency personal who have significantly contributed to the development of the report. The contributions of the staff from the DOE National Laboratories will also be recognized.

**Action Item:** Lead writers will review their sections to ensure correctness.

**Action Item:** Dru Crawley will assume responsibility to rewrite Appendix C.

**Action Item:** Paul Domich and Dru Crawley will review and correct Appendix D.

**Workshop Website** Paul Domich met with Kevin Hurst (OSTP) and Nestor Ramirez (OSTP) on developing an OSTP-sponsored BTRD website. While the use of the primary BTRD website hosted by NIST will continue, the new OSTP-sponsored website will serve as a repository for the incoming administration and will have a "public" area available for downloading approved content such as the May 15-16<sup>th</sup> Workshop Materials. The Subcommittee agreed to have additional material such as the meeting minutes and agendas loaded onto the OSTP site.

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