

Buildings Technology Research and Development Subcommittee Meeting

July 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

Sean McDonald

Patrick Hughes

Paul Torcellini

Bobbie Lippiatt

Andy Persily

Steve Bushby

Hunter Fanney

William Weidemeyer

Ken Sandler

Dale Manty

Bob Thompson (via telephone)

Dana Bres

Martin Weiland

Russell Conklin

Donna McIntire (via telephone)

Ewa Lewandowska

William Brodt

Peter Kelley

Mila Kennett

Joseph Levin

Michael Buchet (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/ORD

EPA

HUD/PD&R

GSA

DOE/CCTP

DOS/OBO

Smithsonian

NASA

DOS/OBO

DHS/S&T

OMB

DOL/OSHA

BTRD Co-chair

BTRD Co-chair

BTRD Ex-Sec

Next Meeting: September 25, 2008, 1:30 - 3:30 PM, 950 L'Enfant Plaza DOE)

September 25, 2008

October 16, 2008

November 20, 2008

December 18, 2008

¹ Active Members not attending identified in light gray

Introductions: Subcommittee Co-chair Jerry Dion (DOE) 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: Review of Minutes for June 19, 2008 was not performed (please see attached minutes for June 19, 2008).

Status on the Subcommittee Report Approval: Paul Domich reported that a total of seven Departments have reviewed and approved the Subcommittee Report for formal Interagency Review. These include: USDA, OMB, DOE, NIST, EPA (Materials only), NSF, and DOS. Follow-up telephone calls have been placed with the remaining 10 departments represented on the Subcommittee. Several new Subcommittee representatives were identified during the review process.

The Subcommittee has set July 24 as the hard date for departments to provide a review – after that date those members not responding will have technically approved the report by default.

Action Item: Paul Domich will continue to reach out to the Subcommittee members who have not reviewed the current draft document

R&D Implementation and Roadmapping: EPA's Bob Thompson and Dale Manty provided an overview of the recently announced EPA Green Building Strategy. At a high-level, EPA is looking to address green building issues holistically in a multi-attribute manner that cuts across agency organizational lines and that addresses regional differences. EPA is committed to working with other Federal agencies in advancing their Green Building Strategy and partnering on R&D efforts across the federal enterprise working through the BTRD Subcommittee and other venues. EPA proposed during the next 12 months that the BTRD promote a series of stakeholder workshops to help better define the Federal R&D Agenda and the focused implementation strategies and plans derived from the Agenda.

Hunter Fanny (NIST) provided an overview of a second R&D Implementation Plan on NIST's strategic priority to provide the measurement science needed to enable net zero energy buildings. Fanny's presentation focused on measurement science for Building Energy Technologies. The technical approach includes:

- Enable Building Energy-Use Reduction through In-Situ Performance Measurements
- Enable Energy-Use Reduction through the Embedded Intelligence in Building Controls
- Provide Measurement Science for Emerging Building Energy Technologies

- Develop Carbon Footprint Metrics/Tools for Building Sustainability Performance Evaluation

NIST has a long history of working closely with agencies represented on the BTRD Subcommittee and is committed to continuing to these partnerships.

Expectations for the 2009 Transition: Paul Domich provided a summary of comments made by Committee on Technology Co-Chair Richard Russell (OSTP) at the May COT meeting regarding transition expectations in the coming year. Russell emphasized the need to establish information repositories within OSTP documenting the Subcommittee activities, work products and reports, planning information, and meeting archival information. The NSTC subcommittee chairs were encouraged to meet as a group to share insights and synergies across the NSTC committee structure.

The BTRD has arranged to mirror all relevant subcommittee information contained on the NIST-sponsored website also on the OSTP website. The OSTP site will also allow a “public” area where approved documents can be downloaded from the OSTP site.

Transition Strategies: Paul Domich provided an overview transition strategies acquired during the previous 2000-2001 transition period. A summary distributed during the meeting is provided below.

- Develop well-defined and well-documented program plans
- Maintain regularly scheduled planning meetings during the transition – don’t lose momentum
- Delay new releases of programs, reports, press releases from Fall 2008 through Spring 2009
- Develop information repositories for incoming politicians (see Expectations for the 2009 Transition)
 - Summary program documents
 - Relevant documents and reports
 - Current and Outyear Program Plans including budgets
- Maintain/establish contact with WH, OSTP, and Departmental headquarters during transition, if possible
- Develop and leverage effective interagency partnerships where possible. Well coordinated programs have less risk and better potential to be picked up
- Identify program impacts to stakeholder groups and leverage the influence of these groups
- Assess priorities for both candidates
 - Follow policy statements and adjust program priorities accordingly
- Track closely the future state of the WH Councils after January 2009
- Identify Departmental positions that will be vacated, and prepare for internal ambiguity and lack of leadership. Stay within the whitelines.
- Remain connected to the Hill and Hill Staffers for information on possible future priorities

Review of BTRD Report: Domich provided a review of the development of the Federal R&D Agenda Report. The draft document is completed on schedule for interagency review. No specific agency issues were reported.

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

(Please note that the complete set of Workshop materials is now available on the BTRD website.)

<http://www.bfrl.nist.gov/GBT/>

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