Energy Efficient High Performance Computing Working Group
Data Center Infrastructure Efficiency Metrics & Benchmarking Sub-Group
August 17, 2009
10:00AM – 11:00AM PST

Attendees
Dale Sartor, LBL
Ralph Westcott, PNNL
Natalie Bates
Daniel Buettner, ANL
Bill Tschudi, LBL
Otto VanGeet, NREL
Dave Martinez, SNL
Mark Shaw, Microsoft
Ray Bair, ANL
Gary New, NCAR
Mike Patterson, Intel

Purpose
To achieve consensus on subgroup charter, organize future activities, initiate discussion, jump into technical issues, and decide upon next steps.

Action Items
- Follow Climate Savers and Green Grid work in similar area (Mark Shaw will send out white paper) (Mike Patterson to follow-up)
    - Invite CS and GG to call if their work is relevant
- Metrics (and other issues) for waste heat utilization (Otto to send out concept proposal)
- Follow-up brief call to review waste heat proposal and send on to WG (if appropriate)
- Follow-up with more focused conference calls
- Leads for :
    - Utilization of waste heat from on-site generation (CHP/co-gen)
        - No immediate volunteers
    - Utilization of waste heat from HPC equipment (IT)
        - Otto VanGeet
    - Addressing internal and external fans
        - Mark and Mike
    - Addressing internal and external power supplies
        - Mark and Mike
- **Next meeting: September 14, 2009 10:00AM to 11:00AM PST;** each lead asked to report and indicate if extra time for presentation of discussion needed.
- Energetics will send out a request for agenda items one week prior to the call