



Building Technologies Program

Scoping Workshop Public Meeting on Plans for Developing Energy Conservation Standards for Battery Chargers and External Power Supplies January 24, 2007 – Washington, DC

Issues for Stakeholder Comment

The U.S. Department of Energy (DOE) published two documents on its website in conjunction with this public meeting: *Plans for Developing Energy Conservation Standards for Battery Chargers and External Power Supplies* and *The Current and Projected Future Market for Battery Chargers and External Power Supplies*. While DOE invites comments from stakeholders on all aspects of the material presented in these documents, there are several issues in particular on which DOE seeks comment and that are identified in issue boxes.

The list of issues is reproduced below, grouped according to the session today at which they will be discussed. Within those groupings, the issues are numbered according to their appearance in the documents (1-16 from the *Plans* document and 17-54 from the *Future Market* document). For each issue, the page number on which it appears in one of the supporting documents is indicated.

1. Introduction

[No Issues]

2. Regulatory Process Overview

[No Issues]

3. Determination Analysis Analytical Steps

Issue 2. DOE invites stakeholders to recommend baseline models from each of the product classes that would constitute good representative units for analysis. 3-3

Issue 3. For each product class, DOE welcomes information on design options and incremental manufacturing costs for several efficiency levels above the baseline, one of which would be max tech. Detailed information on the product performance and the incremental manufacturing costs (e.g., material costs, labor costs, overhead costs (excluding depreciation), building conversion capital expenditures, tooling/equipment conversion capital expenditures, research and development (R&D) expenses, and marketing expenses) would be welcome. 5-1

Issue 4. DOE welcomes comments on the above-described approach to determining the relationship between manufacturer selling price and device efficiency. Stakeholders are invited to provide data to support their comments where appropriate. 5-2

Issues for Comment

Issue 5. DOE welcomes comments on the markup approach proposed for developing estimates of manufacturer selling prices. 5-2

Issue 6. DOE welcomes comments as to whether there are proprietary designs that DOE should be aware of for BCs or EPSs under consideration by this rulemaking. 5-3

Issue 7. DOE welcomes comments as to whether there are outside issues that DOE should consider in its analysis of BCs and EPSs and the impact of such issues. Stakeholders are invited to provide data to support their comments where appropriate. 5-3

Issue 8. DOE welcomes recommendations on sources of data that would provide end-use operating profiles for BCs and EPSs covered under this rulemaking. 6-1

Issue 9. DOE welcomes comments on the distribution channels for BCs and EPSs, the key stakeholders in those distribution channels, the typical markups applied by those stakeholders, and the overall markup from manufacturer selling price to retail shelf. 7-1

Issue 10. DOE welcomes input on the proposed methodology for estimating current and future electricity prices. 8-2

Issue 11. DOE welcomes input on the proposed approaches for estimating discount rates for consumers of BCs and EPSs covered under this rulemaking. 8-2

Issue 12. DOE welcomes comments on appropriate product lifetimes for BCs and EPSs. 8-2

Issue 13. DOE welcomes comments on, and any information concerning, the four factors described above for projecting over time annual shipments of BCs and EPSs. 9-2

Issue 14. DOE welcomes comments on how standards for BCs or EPSs might impact BC and EPS shipments. DOE also invites input on the expected impacts of market-pull programs that promote the adoption of more efficient BCs or EPSs. 9-3

Issue 15. DOE welcomes input on BC and EPS shipments forecasts. See issues 28 and 29 in the Current and Projected Future Markets document for related invitations for comment. 9-3

Issue 16. DOE welcomes comments on the NES spreadsheet models used for estimating national impacts of energy conservation standards. 10-1

4. Energy Conservation Standards Analyses

[No Issues]

5. Scope of Coverage and Product Classes

Issue 43: DOE invites comment on this preliminary differentiation of the BC and EPS markets, based on the ENERGY STAR definitions, including whether this interpretation is different from other national or international standards or voluntary programs. 4-3

Issue 44: DOE invites comment on these and any other factors it should take into consideration in determining how to classify devices appropriately. 4-5

Issue 45: DOE invites comment on whether it would be appropriate to classify products that serve two major functions in a separate product class and evaluate those products considering two energy conservation standards, one addressing each major function. DOE was recently granted authority to establish two standards for one product that serves to major functions by

Issues for Comment

Issue 40: DOE invites comments on which power consumption levels are common in the market and whether the median values listed in Table 3.4 are representative of the market. 3-44

Issue 41: DOE invites comments on how to develop a single metric that combines active mode efficiency and no-load mode power consumption. 3-45

Issue 42: DOE invites comments on these component technology options and would welcome input on other approaches to improve efficiency through the components. 3-50