

Agenda

Development of Cool Colored Roofing Materials

Project Advisory Committee Meeting

9 am to noon (EDT)

Thursday, September 9, 2004

Oak Ridge National Laboratory

Oak Ridge, Tennessee

Contact Information: Ms. Gwen Scudder (865-757-4345, scuddergt@ornl.gov)

I. Introduction (9:00-9:20)

- A. Introduction (CEC Project Manager: Chris Scruton)
- B. Opening remarks and the objectives of the PAC meetings (CEC Project Manager: Chris Scruton)
- C. Introduction of the ORNL and LBNL project staff (Project Director: Steve Wiel)
- D. Project Objectives and Organization (Wiel)

II. Project Updates and Technical Tasks: Review and Discussions (9:20-11:10)

Questions to the PAC: Are we still on the right track? Is there something else about which we should know to make the project a success?

- A. Task 2.4: Development of cool colored coatings (Akbari/Berdahl/Levinson) (9:20-9:40) (mainly Levinson/Berdahl)
 - 1. Identify and Characterize Pigments with High Solar Reflectance (5 min)
 - 2. Develop Software for Optimal Design of Cool Coatings (12 min)
 - 3. Cool Colored Material Database (3 min)
- B. Task 2.5: Development of prototype cool-colored roofing materials (Akbari et al.) (9:40-10:20) (starting with Akbari but Berdahl and Miller to talk about 2.5.3)
 - 1. Updates on Review of Roofing Materials Manufacturing Methods (3 min)
 - 2. Design Innovative Methods for Application of Cool Coatings to Roofing Materials (30 min)
 - 3. Accelerated Weathering Testing (7 min)
- C. Task 2.6: Field-testing and product useful life testing (Miller/Desjarlais/Berdahl) (10:20-11:05) (Starting with Desjarlais, then Miller and continue with Berdahl/Miller on Task 2.6.4.)
 - 1. Building Energy-Use Measurements at California Demonstration Sites (20 min)
 - 2. Materials Testing at Weathering Farms in California (10 min)
 - 3. Steep-slope Assembly Testing at ORNL (5 min)
 - 4. Product Useful Life Testing (10 min)
- D. Technology transfer and market plan (Akbari) (11:05-11:10)

III. Summary, Discussion of Key issues, and Comments from PAC members (11:10-11:55)

Questions to the PAC: How can we successfully market cool roofing products? Is what we have done so far useful? Is what we are planning to do useful? Is there something else we can do to improve our performance?

- IV. Schedule for the next PAC meetings and concluding remarks (11:55-12:00)**
- V. Adjourn (12:00)**
- VI. Lunch (12:00 – 1:00 pm)**
- VII. Visit to ORNL roof testing facilities (1:00 – 2:30 pm) (Optional)**