



APEC Expert Group on Energy Efficiency and
Conservation (EGEE&C)
33rd Meeting
Singapore
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United States Project Updates
Brian T. Castelli
Alliance to Save Energy

SESSION 3: APEC PROJECTS

Survey of Policies and Programs to Measure and Promote Energy Efficiency in Industry in APEC Economies

- **Objectives:**
 - Understand the full range of policies and programs for improving energy efficiency in the industrial sector in APEC economies (with particular attention to benchmarking tools).
 - Identify successful policies and program approaches.
 - Assess the usefulness of available indicators to measure policy/program progress.
- **Implementer:** Centre for International Economics, Australia
- **Status:** CIE is currently preparing a desktop study of industrial policies in each of the APEC member economies. In the next month they plan to:
 - provide each economy with a summary of the findings for their own economy
 - distribute a survey to each economy, asking them to fill in the gaps, particularly in regard to recent developments in the industrial sector
 - prepare a draft report, and circulate through EGEE&C for comments, by December 2009.

**CIE will be asking EGEE&C members to please help facilitate the completion of the survey to fill in the gaps.



**Asia-Pacific
Economic Cooperation**

Comparison of Building Energy Codes in APEC Economies

- **Objectives:**
 - Construct model framework for building energy code evaluation
 - Gather and analyze data from APEC economies
 - Develop individual reports on economies as well as a comparative analysis that highlights best practices transferable across economies.
- **Implementer:** Alliance to Save Energy/Building Codes Assistance Project
- **Status:**
 - Expected completion November 2009
 - Individual economy reports completed for all APEC economies:
 - Updated information from 2003 APERC paper on energy efficiency programs for Chile, China, Hong Kong, Indonesia, Malaysia, Mexico, Peru, Philippines, Russia, Chinese Taipei, Thailand, Viet Nam
 - Utilized 2009 PNNL country reports prepared for APP, for Australia, Canada, Japan, Korea, and the United States
 - Prepared new reports for Brunei, New Zealand, Papua New Guinea, and Singapore
 - APEC Synthesis Report in preparation:
 - Compares the technical stringency of codes and standards and looks at the long-term effectiveness.
 - Identifies policies that work and why – looking for replication opportunities between countries.
 - Will leverage BCAP's newly launched best practices website (OCEAN – Online Code Environment and Advocacy Network) to develop country profiles for each of the APEC economies.



Energy Saving Windows

Survey of Policies and Programs to Promote Advanced Window and Glazing Technologies in APEC Economies

- **Objective:** Compile information on recent efforts to reduce building energy use through advanced windows and glazing technologies in APEC economies. Survey and assess:
 - energy performance testing and rating practices for window technologies
 - policies and programs to promote such technologies in both new and existing buildings (as well as current obstacles to their uptake); and
 - the market status of such technologies in different climate zones.
- **Status:**
 - The RFP was issued
 - Proposals have been received and they are under review.



Cool Roofs in APEC Economies

Cool Roofs in APEC Economies: Review of Experience, Best Practices, and Potential Benefits

- **Objective:** Build capacity to implement cool roof technologies and policies in developing APEC member economies by:
 - reviewing experience in the region with cool rooftops
 - Identifying information on best practices
 - summarizing benefits in terms of reduced energy use and emissions
 - Estimating potential energy and GHG savings from cool roofs
 - Reviewing locally available materials and technologies
- **Status:**
 - The RFP was issued
 - Several proposals have been received and they are under review



Energy and Water Efficiency in Water Supply

Energy and Water Efficiency in Water Supply: Practical Training on Proven Approaches

- **Objective:** Hold a training course for water utilities and municipalities in APEC economies to:
 - Explain the benefits of launching efficiency programs in their water supply and/or wastewater treatment facilities
 - Build capacity to carry out such programs
 - training
 - provision of guidance materials and tools
- **Implementer:** Alliance to Save Energy, USA (India Office)
- **Status:**
 - Workshop planning underway
 - Proposed location: Hanoi, Vietnam
 - Proposed dates: Early December 2009, or early January 2010

Transportation Projects (1)

APEC Workshop on Policies that Promote Energy Efficiency in Transport, and follow-on activities

- *Survey of Policies and Programs that Promote Fuel-Efficient Transport in APEC Economies (v.1)* finalized September 2008
- *APEC Workshop on Policies that Promote Energy Efficiency in Transport*, 24-25 March 2009 at APEC Secretariat in Singapore. **Outputs:**
 - **Action plan for energy efficiency in transportation**, to be distributed to EGEE&C
 - **Update of the Survey** (nearing completion)
- *NEW: Self-funded follow-on activities:*
 - Expand Survey with focus on policies to promote automotive fuel efficiency
 - Seminar on Transportation Energy Efficiency Improvement Potential

Transportation Projects (2)

New transportation proposals

- The US proposed 3 additional transport-related projects for consideration as joint Energy Working Group (EWG) and Transportation Working Group (TPT-WG) projects.
- **Status:** EWG endorsed all three in Santiago in April. TPT-WG considered them at their meeting in July and decided to propose all three in sequence:
 - **Transport, Energy and Environmental Benefits of Intermodal Freight Strategies** has been submitted. It is now under revision to respond to preliminary comments of the Budget and Management Committee (BMC)
 - **Transport, Energy and Environmental Benefits of Transit Oriented Development** – will be submitted first funding round of 2010.
 - **Transport, Energy and Environmental Benefits of Bus Rapid Transit** – will be submitted second funding round of 2010.