

## PROJECT STATUS REPORT FORM

<b>Project Number:</b> BATF-6-25	<b>Task Force:</b> Buildings and Appliances
<b>Title of Project :</b> <i>Develop Compatible Window Rating Procedures and/or Labels</i>	
<b>Lead Partner Country:</b> USA	
<b>Participating Partner Countries and Organizations:</b> Australia, China, India, Japan, South Korea,	
<b>Project Location</b> (Country, State/Province, City): <ul style="list-style-type: none"><li>• Gordon - 2072 NSW-Australia.</li><li>• Beijing – China.</li><li>• India – Gujarat-Ahmedabad.</li></ul>	
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<b>Project Start Date:</b> 2007	<b>Date of Project Status Update:</b> March 2010

**Actions Since Last Update:****Australia:**

- **December 2009** - Mr. Tony Tanner, Executive Director, Roofing Tile Association of Australia met with Mr. Marc Lafrance of US-DOE and Mr. Bipin Shah of WinBuild Inc. Mr. Tanner mentioned that the Roofing Tile Association of Australia would like to initiate collaboration on Cool Roof Rating in Australia. He also wanted to share the research data and wanted interaction between US-National laboratories and the Australian labs.

**China:**

- **November 2009** - Conducted software simulation training workshop for OPTICS, THERM and WINDOW. Forty representatives from eleven national laboratories attended the training. Training covered US and Chinese simulation procedures, NFRC and JGJ/T 151 -2008 (simulation standard effective in China).
- **November 2009:** Simulation training manual, which included the listing of differences between the USA and the Chinese simulation procedure, was completed.

**India:**

- **October 2009** –Indian delegation, having representatives from the Indian government (Bureau of Energy Efficiency (BEE), and Power Ministry), industry, Institute and ECO-III team members visited NFRC. A field trip was organized for the delegation to see the working of NFRC administrative office, NFRC accredited laboratories and NFRC licensed inspection agencies. The delegation also visited an Energy star rated house and a Home Depot store. The focus was to demonstrate the working of National Fenestration Rating Council run certification and rating program in the USA.
- **October 2009** – Meeting with Glazing Society of India (an agency to administer the building envelope ratings in India) to plan the set-up of a rating program in India. Need to create program documents was identified at the meeting.
- **December 2009** – Initiated a zero energy building project at CEPT. The regional energy centre at CEPT is envisioned to be a Net Zero Building and provide energy efficiency technology demonstrations.
- **March 2009** – Construction of Air-Leakage chamber completed at CEPT. With this completion the laboratory is equipped to provide, U-factor, Solar Heat gain, Visible Transmittance and Air leakage rate, performance rating for fenestration products.

**Deliverables Since Last Update:****China:**

- **November 2009**— software simulation training workshop for OPTICS, THERM and WINDOW

**India:**

- **March 2009** – Construction of Air-Leakage chamber completed at CEPT. With this completion the laboratory is equipped to provide, U-factor, Solar Heat gain, Visible Transmittance and Air leakage rate, performance rating for fenestration products.

**Milestones Reached:****India:**

- Completion of a laboratory, equipped to provide, U-factor, Solar Heat gain, Visible Transmittance and Air leakage rate, performance rating for fenestration products.

**Next Steps:****General:**

- Initiation of new BATF project, "Promotion of Cool Roofs and Development of Cool Roof Energy Performance Labeling and Certification",

**Australia:**

- Continue to assist AFRC in development of fenestration ratings program.
- Initiate development of Cool Roof Rating program.

**China:**

- Host International Energy Efficiency & Zero Energy Building Envelope Conference 2010 on March 31-April 1st, 2010 in Beijing, China. Theme of the conference is Zero Energy Building.
- Initiate development of Cool Roof Rating program.

**India:**

- Assist CEPT in setting up building envelope testing facility.
- Continue to work on the establishment of window energy rating agency to administer ratings in India.
- Host train the trainer workshop in May 2010.
- Initiate development of Cool Roof Rating program.

**USA:**

- NFRC has developed a new simulation tool CMAST for rating commercial product with capability to issue label certificate electronically. NFRC will host a webinar for interested international countries to demonstrate the programs operations.

**Proposed Project End Date:** December 2012**Project Already Complete:**  Yes  No**Other Information:** **Move to IPEEC, SBN**