

SEAD-funded APEC-CAST Project Updates

45th Meeting of the APEC
Energy Working Group

19 March 2013



Primary objectives:

- Promote harmonized test procedures
- Support development of aligned energy efficiency standards and labels (S&L) in APEC economies
- Fund one or more projects each year over a 5 year period.

Current APEC CAST Projects

SEAD-funded APEC CAST Project	APEC Economy Sponsor	Project Partners
Study on harmonization of energy efficiency standards and labeling programs for motors	China National Institute of Standardization (China)	CNIS, CLASP, Econoler, International Copper Association
Evaluation and initial draft of harmonized test methods and level definitions for heat pump water heaters	Australia Department of Climate Change and Energy Efficiency (DCCEE)	DCCEE, CLASP, George Wilkenfeld and Associates, Korea Testing Laboratory, International Copper Association

Project description:

- Identify current best practices in motor re-winding and
- Conduct market overview to compare best practices to existing practices used in APEC economies
- Conduct modeling and simulation to identify energy efficiency improvement potential of motor re-winding best practices
- Provide recommendations for the development of standards, highlighting the potential for energy savings through repair and preventative maintenance of installed motors

Project schedule:

Timeline	Activity
September 2012	Project kick-off
December 2012	Draft report of motor repair best practices
January 2013	Draft market overview
August 2013	Final report

Project description:

- Analyze existing regional, national, and international test methods, as well as test methods and standards in development
- Test 3 heat pump water heaters using 5 different test methods to compare strengths and weaknesses of each
- Recommend internationally-comparable test methods, standards, and efficiency level definitions

Project schedule:

Timeline	Activity
October 2012	Project kick-off
February 2013	Technical analysis of existing test methods
April 2013	International consultation workshop (to be held with 41 st EGEE&C meeting, Beijing)
February – June 2013	Testing and modeling and simulation
September 2013	Final report
November 2013	Report dissemination workshop (to be held with 42 nd EGEE&C meeting, Thailand)

Thank you!

