

USA Project update

EGEEC -53
Hong Kong, China
March 20-22, 2019

EWG 04 2015A – Enhancing Regional Conformity Assessment to Ensure Successful ISO50001 Outcomes

- The project was led by the US DOE Office of International Affairs.
- Project was completed August 2018 and final report was circulated to EWG and EGEEC.
- The project was led by USDOE in collaboration with the Energy Efficiency Management Working Group (EMWG) and the United Nations Industrial Development Organization.
- The primary objectives of the project are to build regional capacity, improve conformity assessment and promote successful implementation of the ISO 50001 energy management standard.
- The project includes a series of three workshops held in Jakarta (January 2018), Atlanta, Georgia (February 2018) and Lima (April 2018), and a webinar.
- Feedback on progress, lessons learned and arising issues to be used as regional input to ISO/Technical Committee (TC) 301 revision of the ISO50001 standard.
- The workshops emphasize the need to have a quality infrastructure system in place that guarantees technically robust implementation, resulting in effective improvements in energy performance.

EWG 10 2018A – Low Emissions Development (LED) Strategies: Supporting the Transition to Energy Efficient, Electric Transport Systems (EGNRET)

- The project is led by USDOE's National Renewable Energy Laboratory.
- Assessments of renewable resource potentials on islands (including those in APEC economies) consistently show their potentials are significantly larger than their utilization, and that further utilization would result in more secure, reliable and affordable electricity than that of fossil fuel-based generation.
- This project will profile 3 APEC islands and design a roadmap for how they can integrate the transport and electricity sectors in a way that creates the highest degree of sustainable development benefits.
- The three islands will get in-depth analysis of their LED strategy
 - Alternative technology development scenarios,
 - Evaluation of SDG impacts of alternative scenarios;
 - An assessment of their financial landscape and existing investment environment;
 - A policy toolkit that they can further explore and select from to achieve the goals and targets they have set.
- Status: The project RFP has been issued and proposals are being evaluated.

EWG 13 2018A – Aligning Conformity Assessment Efforts for Energy Efficiency Regulations of Motors in the APEC and ASEAN Regions

- The project is being led by Pacific Northwest National Laboratory, ICA and UL.
- The project expands a 2008 project conducted by China on motor efficiency and aims to inform the regulatory and policy environments within APEC and ASEAN of the benefits of harmonization of standards and conformity assessment approaches to facilitate trade of energy efficient electric motors and accelerate progress toward energy intensity reduction in the region.
- The project has three primary objectives:
 - Identify commonalities and differences in motor energy efficiency standards and labelling efforts in APEC and ASEAN.
 - Advance the ongoing public-private dialogue among APEC and ASEAN economies regarding ways to align motor energy efficiency requirements through the development and use of global standards such as IEC 60034 and more trade-friendly conformity assessment procedures.
 - To address and prevent unnecessary market access barriers for efficient motors, increase the availability and use of energy efficient products in markets worldwide and assist APEC and ASEAN economies meet domestic energy policy objectives.
 - Status: IIEC has been chosen as the project consultant and there will be a project workshop in the September, 2019.
- The project is supported by EWG 04 2019S, *Workshop on Current Energy Efficiency Requirements for Electric Motors in the APEC and ASEAN Region* which is self-funded by ICA, United for Efficiency (U4E) and UL.

EWG 14 2018A – Coordinating Standards for Cool Roof Testing and Performance

- The project is being led by the US DOE Buildings Technology Office.
- Space conditioning loads that are directly affected by the building envelope (window, walls, roof and foundation) are responsible for approximately 30% to 50% of building electricity consumption, which makes up approximately 50% of total electricity consumption in APEC economies.
- Cool roofs and walls reduce space cooling energy demands by 20% and are particularly valuable in reducing peak demand
- A number of APEC economies have adopted or are considering standards for the testing and performance requirements for reflective, “cool” surface technologies (roofs and walls).
- This project would develop a review and comparison of cool surface testing and performance standards in place or under consideration in APEC economies and provide a roadmap for establishing cool surface product testing and rating infrastructure in economies that do not have access to it.
- Status: The project RFP is under development.

EWG 15 2018S – APEC/NARUC Workshop on Supporting Renewable Energy Integration and Energy Efficiency through Effective Regulation

- The project is led by the National Association of Regulatory Utility Commissioners (NARUC)
- This workshop will engage the EGNRET and EGEE&C to highlight the critical role of energy regulation in driving progress toward meeting renewable energy and energy efficiency goals in APEC member economies and throughout the region as a whole. By providing a platform for an exchange of international regulatory best practices, NARUC aims to facilitate the development of stronger, more sustainable energy systems.
- The primary objectives of NARUC's engagement with APEC are to:
 - Highlight the role of the energy regulator in promoting renewable energy development and deployment and in designing and implementing energy efficiency programs;
 - Provide a platform for regulatory dialogue and exchange of international best practices among APEC member economies;
 - Identify opportunities for cooperation and/or coordination among APEC member economies to advance progress energy efficiency and renewable energy goals at the regional level.
- Status: The workshop was held March 19, 2019.