

Update on US-led Projects funded by APEC EGEE&C

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US Led Projects

EWG-04-2015A: Enhancing
Regional Conformity
Assessment to Ensure
Successful ISO 50001 Standard
Outcomes (USA) -

EWG-01-2016A: Gaps
Assessment on APEC Energy
Efficiency and Conservation
Work toward Fulfilling the
Leaders' Energy Intensity
Reduction Goal (USA)

EWG-08-2016A: Workshop to
Develop Qualified Product Lists
for High-Quality and High
Efficiency Commercial,
Industrial, and Outdoor Lighting
Products and Control Systems in
the APEC Region (USA)

EWG-19-2016A: APEC
Workshop on Promoting the
Development of an Evaluation
Community (USA)

EWG-04-2015A: Enhancing Regional Conformity Assessment to Ensure Successful ISO 50001 Standard Outcomes (USA)

Goal: improve infrastructure that support successful ISO 50001 implementation and create regional consistency, such as efforts to train and qualify ISO 50001 auditors.

Carried out by U.S. Department of Energy (**DOE**) in coordination with the Energy Management Working Group (**EMWG**) and United Nations Industrial Development Organization (**UNIDO**).

The project was just extended into 2018 due to staffing changes that impacted implementation; however, DOE has already conducted extensive coordination with key stakeholders in several economies.



ISO 50001 Project – Key Findings

All economies share a need for building capacity of both ISO 50001 implementation professionals and auditors. High interest levels suggest additional technical trainings be valuable follow-on activities.

Economies varied in their application of ISO 50001 in domestic programs and policies. Economies without specific ISO 50001 programs interested in a regulatory approach to ISO 50001 as potential next steps, though certification would not be initially required due to the high cost. Participants expressed a desire continued information sharing on each other's programs.

The complexity of the accreditation process is a barrier for many economies, but regional collaboration could be useful. Economies can work across the region to receive a joint training on accreditation.



ISO 50001 Workshop – Next Steps

PO will encourage the EMWG to continue facilitating engagement with project beneficiaries, though activities are subject to EMWG's work plan, approval processes, and budget. Follow-on activities through EMWG and UNIDO could include conducting additional training workshops.

EWG-01-2016A: Gaps Assessment on APEC Energy Efficiency and Conservation Work toward Fulfilling the Leaders' Energy Intensity Reduction Goal (USA) – Findings

- 1) Link energy efficiency strategies to energy resilience efforts,
- 2) Promote efficiency in the transportation sector through fuel economy standards and diversification (in collaboration with the Transportation Working Group),
- 3) Further technology commercialization and innovation by creating or expanding APEC markets for new or emerging energy efficiency technologies,
- 4) Bridge the skills gap for smart jobs/smart consumers/smart cities and empowering women in the economy (in collaboration with the Human Resources Development Working Group and Policy Partnership for Women in the Economy),

EWG-01-2016A: Gaps Assessment on APEC Energy Efficiency and Conservation Work toward Fulfilling the Leaders' Energy Intensity Reduction Goal (USA) – Findings Continued

- 5) Further capacity building and knowledge sharing through multilateral engagement and stronger peer-to-peer networks and sharing best practices through online platforms (such ESCI-KSP and Clean Energy Solutions Center),
- 6) Maintaining a strategic focus on smart grids and ensuring efficiency strategies are incorporated.

EWG-08-2016A: Workshop to Develop Qualified Product Lists for High-Quality and High Efficiency Commercial, Industrial, and Outdoor Lighting Products and Control Systems in the APEC Region (USA)

Purpose:

Promote quality LED outdoor (and industrial) lighting products;
Reduce trade barrier across APEC region and beyond;

Methods:

Introduce existing quality certification programs, such as Quality Product List (QPL) to APEC economies;
Identify needs of such programs in APEC economies;
Facilitate collaboration on existing Quality Product List (QPL) schemes (preferred), or;
Facilitate establishment of new programs.



Lighting QPL Project

Key findings:

- Participants agreed that QPL programs are helpful for their economies to promote high quality LED street lighting products;
- Some economies noted that it is time to incorporate smart lighting products, e.g. street lighting products controlled wirelessly, into QPL and similar programs and regulating policies;
- ASEAN SHINE is working towards harmonizing a series of standards, including LED street lights. Economy representatives believed that could establish a good foundation for developing and harmonizing QPL programs in the APEC region.

Next steps:

- Project overseers plan to follow up with economies and other organizations through emails, meetings and other methods. We will also follow up with ASEAN SHINE working groups on harmonizing LED street lighting standards to explore the potential for establishing and harmonizing QPL programs for member economies.

EWG-19-2016A: APEC Workshop on Promoting the Development of an Evaluation Community (USA)

Two-day workshop (Bangkok 2017)

- Developed a platform to discuss and exchange experiences, current strategies, policies, protocols, and regulations for designing and implementing program and policy evaluations
- Participants from 10 APEC member economies: Chile, China, Japan, Malaysia, Mexico, New Zealand, Philippines, Russia, Thailand and Vietnam
- Participants rated workshop 4.2 on a scale of 1 to 5 – between mostly relevant and very relevant
- Workshop helped led to the development of new organization (Energy Evaluation Asia Pacific)