

UPDATE OF APEC EGEE&C

Chair of EGEE&C: Li Pengcheng
China National Institute of Standardization
2017-03-27

MEETINGS AND EVENTS

- The 48th Meeting of the APEC Expert Group on Energy Efficiency & Conservation (EGEE&C 48) was held on 11th September – 13th September 2016 in Tarapoto, Peru
- 1 workshop were held alongside the 48th EGEE&C meeting
 - Workshop on ISO 50001 Energy Management System



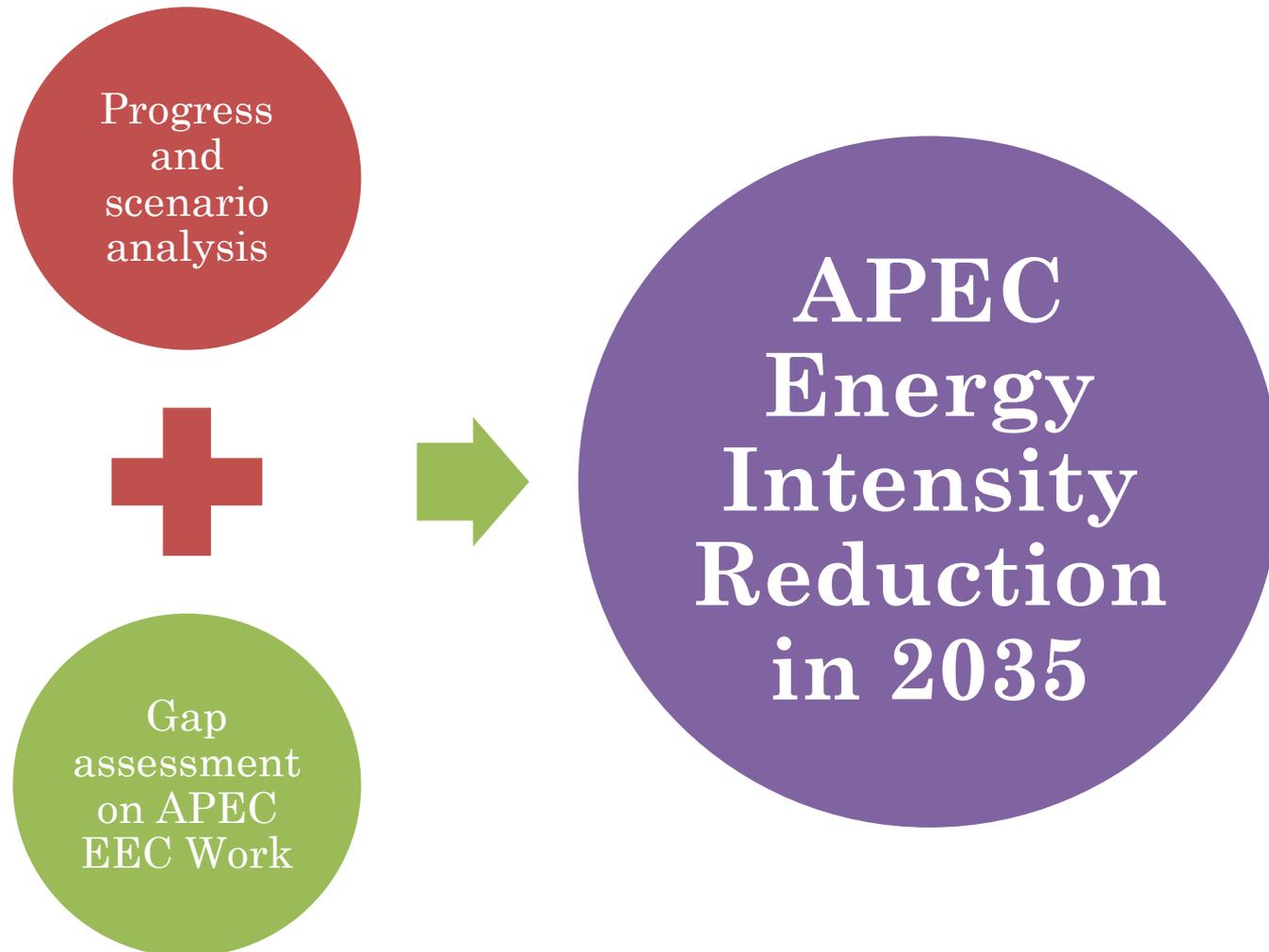


Asia-Pacific
Economic Cooperation

APEC Expert Group on Energy Efficiency and Conservation (EGEE&C)
Under the APEC Energy Working Group



STRATEGIES



PARTNERS - APERC



- APERC is currently involved in the APEC's Peer Review on Energy Efficiency (**PREE**) and **Compendium** to share information on EE policies and performance of APEC economies.
- As a part of PREE, APERC's first Energy Efficiency Policy (**EEP**) Workshop looked at funding approaches and key design principles for energy efficiency policies.
- APERC's second Energy Efficiency Policy (EEP) Workshop introduced methodology, experiences and capacity of energy efficiency policy and program evaluation.
- APERC is working with EGEEC to determine the topic of the 3rd EEP alongside with EGEEC 49





PARTNERS - *CLASP*

- CLASP works as the Secretariat of **APEC-ESIS**, which provides up-to-date information about energy efficiency standards and labeling that apply to products in the APEC region. This is an online resource that allows policy makers and S&L practitioners to compare policies and regulation across countries and according to product.
- CLASP also serves as Administrator of **CAST**, a program examining energy efficiency and test methods of televisions, electric motors, and heat pump water heaters and promoting harmonized test procedures and supporting development of aligned energy efficiency S&L in APEC economies.



PARTNERS - ICA



- ICA focuses on the areas of equipment and appliance energy efficiency, electricity infrastructure efficiency, renewable energy and energy access for disadvantaged populations.
- Recently, ICA help EGEE&C to conduct project on distribution transformers to help APEC economies fully capture potential energy savings from distribution transformers
- ICA is considering to propose an APEC-ICA Energy Facility for structured cooperation in the field of energy efficiency and renewable energy



PROJECTS - *ONGOING*

- EWG-02- 2015A APEC Nearly (Net) Zero Energy Building Best Practices and Energy Reduction Results Comparative Study (China)
- EWG-01- 2016A Gaps Assessment on APEC Energy Efficiency and Conservation Work Toward Fulfilling the Leaders' Energy Intensity Reduction Goal (US)
- EWG-05- 2016A Reducing Losses in Power Distribution through Improved Efficiency of Distribution Transformers (China)



RELEVANT ONGOING PROJECTS UNDER EWG

- EWG-03-2015A APEC Peer Review on Energy Efficiency (PREE) Phase 5 (Follow-up PREE)
- EWG-04- 2015A Enhancing Regional Capacity to Ensure Successful ISO 50001 Outcomes (US)
- EWG-06- 2015A Establishing Lighting Best Practices and Educational Programs to Achieve Deep Energy Saving, An APEC Regional Collaboration with University Lighting Centers and Research Institutions
- 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



RELEVANT PROJECTS IN OTHER FORA

- Best Practices Sharing and Technical Capacity Building for Measurement and Verification Standards of Energy Savings (CTI 17 2016A) under **SCSC**
- Aligning Energy Efficiency Regulations for ICT Products – Implementing A Strategic Approach (CTI-27-2013A) under **SCSC**
- Capacity-Building and Awareness Project on Enhancement of Total Environmental Efficiency (Energy/Carbon and Material Efficiency) through MFCA, ISO 14051 (CTI-18-2015A) under **SCSC**
- APEC Workshop on Enhancing Policy Environment to Promote SMEs' Participation in Energy Efficiency Products Market14051 (SME 04 2016A) under **SMEWG**
- Textbook Development for Energy Efficiency, Energy Security and Energy Resiliency: A Cross-border Education Cooperation through Lesson Study (HRD 03 2015A) under **HRDWG**



MAPPING ANALYSIS OF PROJECTS RELATED TO ENERGY EFFICIENCY AND CONSERVATION

Appliances and equipment

Harmonization of S&L

Enforcement of S&L (MV&E, testing capacity)

Industry

Energy management system
(ISO 50001+M&V)

Building

Commercial building (lighting)

Nearly Zero Energy Building

Transportation

Label of vehicles

Cross-cutting issues

Policy and program evaluation (PREE)

Financing (Private and public funding, ESCos)

District energy system (Supply + demand)

Capacity

PROJECTS – APPROVED IN 2016 SESSION 2

○ Building

- APEC Nearly (Net) Zero Energy Building Roadmap Study responding to COP21 *EWG-15-2016A* (China)
- Incubator for Enhancing Commercial Buildings Energy Performance *EWG-14-2016A* (Australia)

○ Transportation

- Supporting the development and implementation of Low-Emission Development Strategies (LEDS) in Transport Sector *EWG 13 2016A* (US, joint with TPTWG)

○ Cross-cutting issues

- APEC Workshop on Promoting the Development of an Evaluation Community *EWG-19-2016A*(US)
- Peer Review on Energy Efficiency Phase 6 *EWG-10-2016A* (Japan)



PROJECTS - CNs

○ Session 1, 2017

- Appliances and equipment
 - APEC-Latin America Harmonization of Energy Efficiency Standards for Air Conditioners and Refrigerators (Mexico)
 - Refrigerator/Freezer Energy Efficiency Improvement in APEC Region: Review of Experience and Best Practices (Chinese Taipei)
- Cross-cutting issues
 - Capacity building for district energy system planning in new urbanization of APEC economies (China)



PROJECTS - CNs

○ Session 2, 2017

- Appliances and equipment
 - Policy implications of promoting networked and demand response-enabling household devices in the APEC region (China)
- Transportation
 - Electromobility: Infrastructure and Workforce Development (Chile)
- Cross-cutting issues
 - APEC Peer Review on Energy Efficiency (PREE) Phase 7 (Japan)



ISSUES OF EGEEEC 49

Review of TOR

Energy Intensity Goal

- Coherent topics
- Streamlined projects
- Engagement of stakeholders

Visibility of outputs

Collaboration on cross-cutting topics

- APEC groups/forum/organizations/programs



GOVERNANCE

- Mr. Li Pengcheng (PRC) from China National Institute of Standardization is the standing Chair of EGEEEC
- Mr. Liu Ren (PRC) from China National Institute of Standardization provides secretariat support to the EGEEEC
- We are seeking support with both the chairing role (a Co-Chair to work with China) and the EGEE&C secretariat services (a Co-Secretary to work with China)



UPCOMING EVENTS

- We are seeking the voluntary host of the 50th EGEE&C meeting in September/October, 2017
- The workshops related to approved APEC-sponsored projects are encouraged to be held alongside the 50th EGEE&C meeting



**THANK YOU FOR YOUR
ATTENTION!**

