



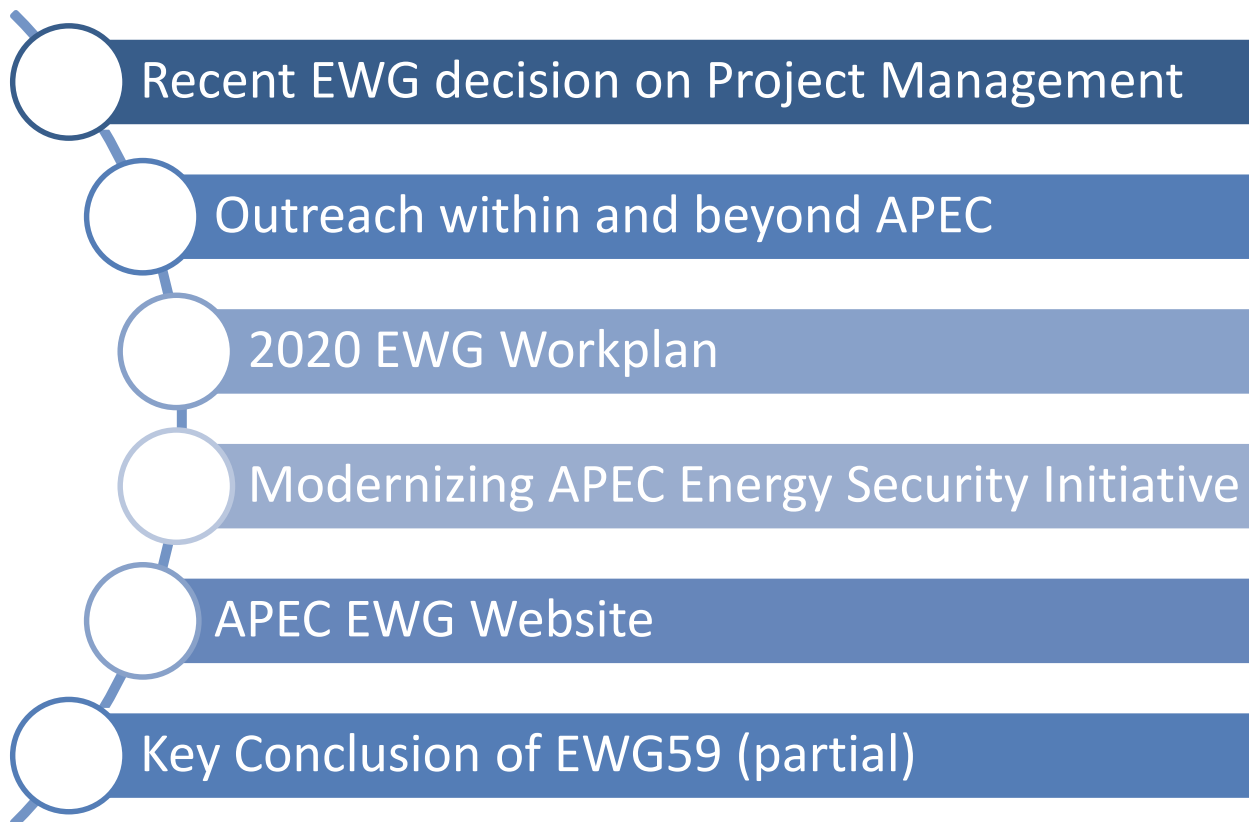
Updated development of APEC Energy Working Group

EWG Secretariat



November, 2020

Outline

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- Recent EWG decision on Project Management
 - Outreach within and beyond APEC
 - 2020 EWG Workplan
 - Modernizing APEC Energy Security Initiative
 - APEC EWG Website
 - Key Conclusion of EWG59 (partial)

Recent EWG decision on Project Management

- Expert groups and task forces are requested to **assist POs with familiarizing with APEC project procedures** and to **provide POs with technical advices** for the sake of project quality.
- Members/EG Chairs are requested to present in the EWG meeting a **2 page summary of each EWG project completed since the last EWG meeting**, including policy recommendations/suggestions for further APEC consideration or action.
- All projects should closely follow the rules of submission including the **co-sponsorship** and **deadline**.
- Members are requested to submit the **completion report** of APEC projects on time.

Outreach within and beyond APEC

- All projects are encouraged to provide **high-level policy recommendations** upon completion and seek greater visibility.
- Expert groups are requested to be supportive in providing detailed and sound information to demonstrate work achievements which are to be submitted to APEC senior officials, such as **fora report** or other surveys.
- Expert groups are encouraged to conduct **cross-fora cooperation** and should report to EWG for endorsement.

Fora report submitted to APEC SCE

--> Section II: Progress on Projects and Other Initiatives -->

Title ²	Progress made ²	Mandate ²	ECOTECH-Priorities ²	Cross-fora-collaboration ²
APEC-funded Projects²				
Water-Energy Nexus: Coal-Based Power Generation and Conversion - Saving Water. (EWG-08-2014A).	Final report submitted, which has been distributed to the EGCFE members and posted to the EGCFE and EWG websites for broader distribution. ²	Cognizant that the energy-water nexus is an important aspect of our collective energy resiliency. As we define the appropriate fuel and power generation technology mix that would support the twin goals of economic prosperity and environmental sustainability, we will endeavor ways to understand the complex relationship between energy and water; address challenges, and utilize both resources more efficiently. . . . (2015 EMM Declaration)	Sustainable Growth, Human Security ²	The International Energy Agency's Clean Coal Centre (IEA/C3C) prepared a similar report, but less technical, than the completed EGCFE study. The EGCFE study was referenced in the IEA's report. . .
APEC Peer Review on Low-Carbon Energy Policies (PRLCE), Phase 3. (EWG-01-2014A).	The PRLCE in Viet Nam was successfully conducted on 18-22 January 2016. The results were presented to the EGNRET members during the EGNRET 44 Meeting in April 2016 and the final report was endorsed by EWG members and published in August 2016.	We reaffirm the importance of low carbon development to achieve our individual and regional economic aspirations and goals. (2015 EMM Declaration)	Sustainable Growth, Human Security .	.
APEC Low-Carbon Model Town (LCMT) Project, Phase 6. (EWG-01-2015A).	The Sixth Edition of the "Concept", including the First Edition of the LCT-I System Guideline, was drafted and reported at the LCMT Task Force Meeting held in conjunction with the EWGS2 meeting in Russia in October 2016. They were endorsed by EWG Members in November 2016 and published on APEC's and APERC's websites. The APEC liaison officer will continue exchanging information with International Organization for Standardization (ISO). ALMEC Corporation, a contracted consultant, also reported the final results of the feasibility study in Mandaue City, the Philippines at the LCMT Task Force Meeting. . . . The policy review of a low-carbon development project for Mandaue City, the Philippines was conducted on 7- 9 December 2016. The final draft policy review report was endorsed by EWG members in June 2017.	We encourage ongoing efforts in this direction toward energy efficient and low-carbon development in urban settings, including the implementation of the APEC Low-Carbon Model Town Project, use of green codes and standards for buildings, and the Energy Smart Communities Initiative. (2015 Leaders' Statement) We instruct the LCMT TF to move the current LCMT Project into the next stage in order to disseminate Low-Carbon Towns in the Asia-Pacific region. . . (2015 EMM Declaration)	Sustainable Growth, Human Security ²	The APEC liaison officer will continue exchanging information with International Organization for Standardization (ISO). . . . An expert from OECD participated in the policy review. . .
APEC Nearly (Net) Zero Energy Building Best Practices and Energy Reduction Results Comparative Study. (EWG-02-2016A)	2015 APEC-APEC-CZEBS-ISBE Workshop NZEB Case Studies, Best Practices, Policies Education Issues & Enabling Technologies was held very successfully. More than 30 speakers and 20 APEC	We encourage Member Economies to explore strategies to drive the shift towards green buildings including zero energy buildings. . .	Sustainable Growth, Human Security ²	The PO contacted with Prof Usha of UN IOYFP on Sustainable Buildings and Construction to find

2020 EWG Workplan

2020 Theme: Optimising Human Potential towards a Future of Shared Prosperity

Expected Outcomes/Deliverables for 2020

- Energy Security
 - Renewable Energy
 - Energy Efficiency
 - Clean Fossil Fuels
 - Low-Carbon Towns
 - Sustainable Energy technology
 - Energy Resilience
 - Cross-cutting Issues
- ◆ Oil and Gas Security Initiative (OGSI)
 - ◆ Peer Review on Low Carbon Energy Policies (PRLCE)
 - ◆ Energy Smart Communities Initiative (ESCI) and Knowledge Sharing Platform (KSP)
 - ◆ Low Carbon Model Towns (LCMT)
 - ◆ Peer Reviews of Inefficient Fossil Fuel Subsidies
 - ◆ Clean Coal Technologies
 - ◆ Green Energy Finance
 - ◆ Peer Reviews on Energy Efficiency (PREE)
 - ◆ Grid Integration of Renewable Energy
 - ◆ Improved Efficiency and Quality of Electric Grids
 - ◆ Energy Transition Solutions
 - ◆ Energy Access Paper
 - ◆ Energy Resilience Principles
 - ◆ Collaboration to the EPWG, PPSTI, AD, TPTWG, PPWE

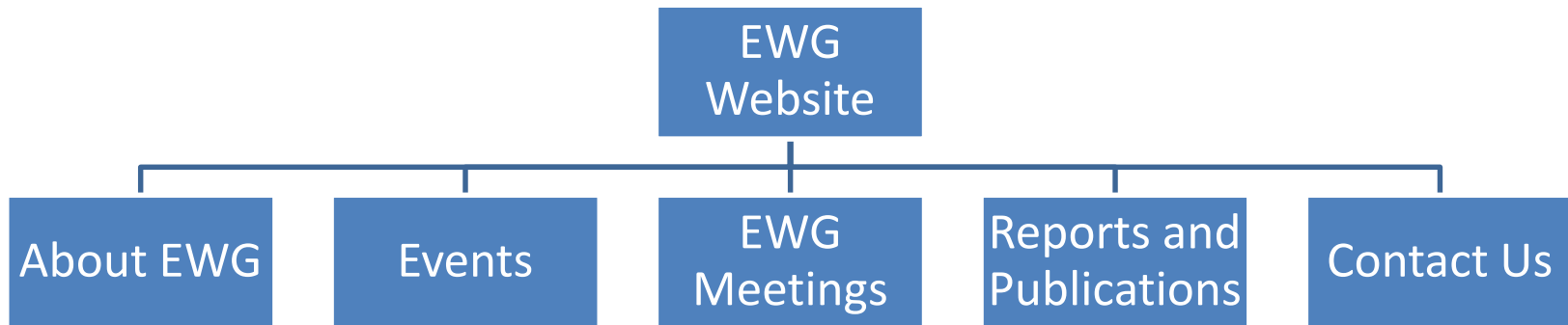
The 2020 EWG Workplan has been endorsed by SOM.

Modernizing APEC Energy Security Initiative

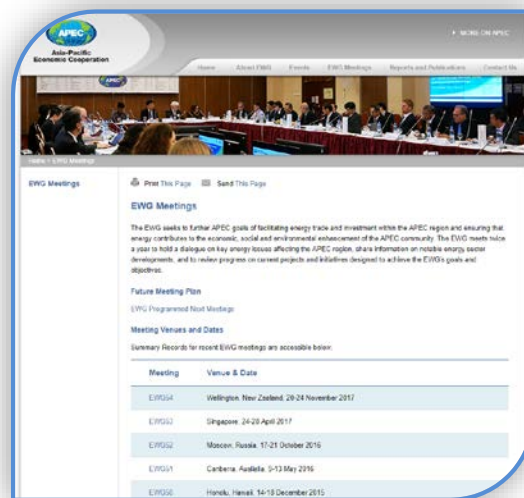
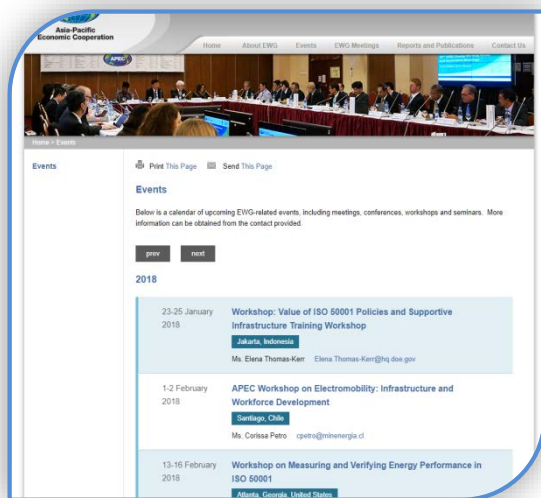
- The origins of the APEC Energy Security Initiative (ESI) date to November 2000.
- EWG agreed at EWG58 in Antofagasta, Chile in October 2019 to revise the ESI to reflect a broader understanding of what energy security encompasses as the energy supply and demand structure has changed.
- Possible topics of revised Energy Security Initiative
 - Energy Sources and Technologies
 - Energy Markets and Governance
 - Supply Security
 - Infrastructure Security, Reliability, and Resilience

Suggestions on the first draft of ESI as well as project proposals related to energy security are advised to be directed to Australia, China and the U.S.

APEC EWG Website



2-page summary



Completion Reports of EWG Projects

Project Number	Project Name	Deliverables	Proposing Economies
EWG 02 2017A	Savings in Renewable Energy Best Practices: Procurement, Contracts, Lifecycle Cost Analyses, and Risk Mitigation to Mobilize Private Investment		United States
EWG 01 2016S	Oil and Gas Security Initiative, 2016		Japan
EWG 02 2016S	APEC Workshop on Energy Statistics		Japan
EWG 03 2016S	Conference on APEC Green Energy Finance		Chinese Taipei
EWG 04 2016S	2017 Energy Smart Communities Initiative (ESCO) Best Practices Awards Program		Chinese Taipei, United States
EWG 01 2016A	Gaps Assessment on APEC Energy Efficiency and Conservation Work Toward Fulfilling the Leaders' Energy Intensity Reduction Goal		United States
EWG 03 2016A	Study on the Cost-Effective Renewable Energy-Supply Solutions based on Innovative Solar Technologies to Promote Green Buildings in APEC Region		China

Key Conclusion of EWG59 (partial)

- APERC, EGEDA, EGEEC and EGNRET are suggested to do further analysis and **provide new suggestions on these two goals on next EWG meeting** for members' consideration, with the starting year and ending year aligned.
- Expert Groups and Centres are requested to **update their member list**, which could include research institute, universities and private sectors.
- Experts Groups and Centres are requested to **outreach international organization**.
- In response to COVID 19, EGEEC is requested to discuss **energy efficiency improvement** as policy solutions.

Your comments are welcome!

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