



The 53rd Meeting of APEC Energy Working Group (EWG)
Singapore, 26-27 April, 2017

10.e. Progress toward Energy Intensity Reduction Goal

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10.e. Outline of Presentation

Background

- Selected milestone

Issues

- Issues raised and how APERC addressed them
- New EWG instructions and how APERC addressed them

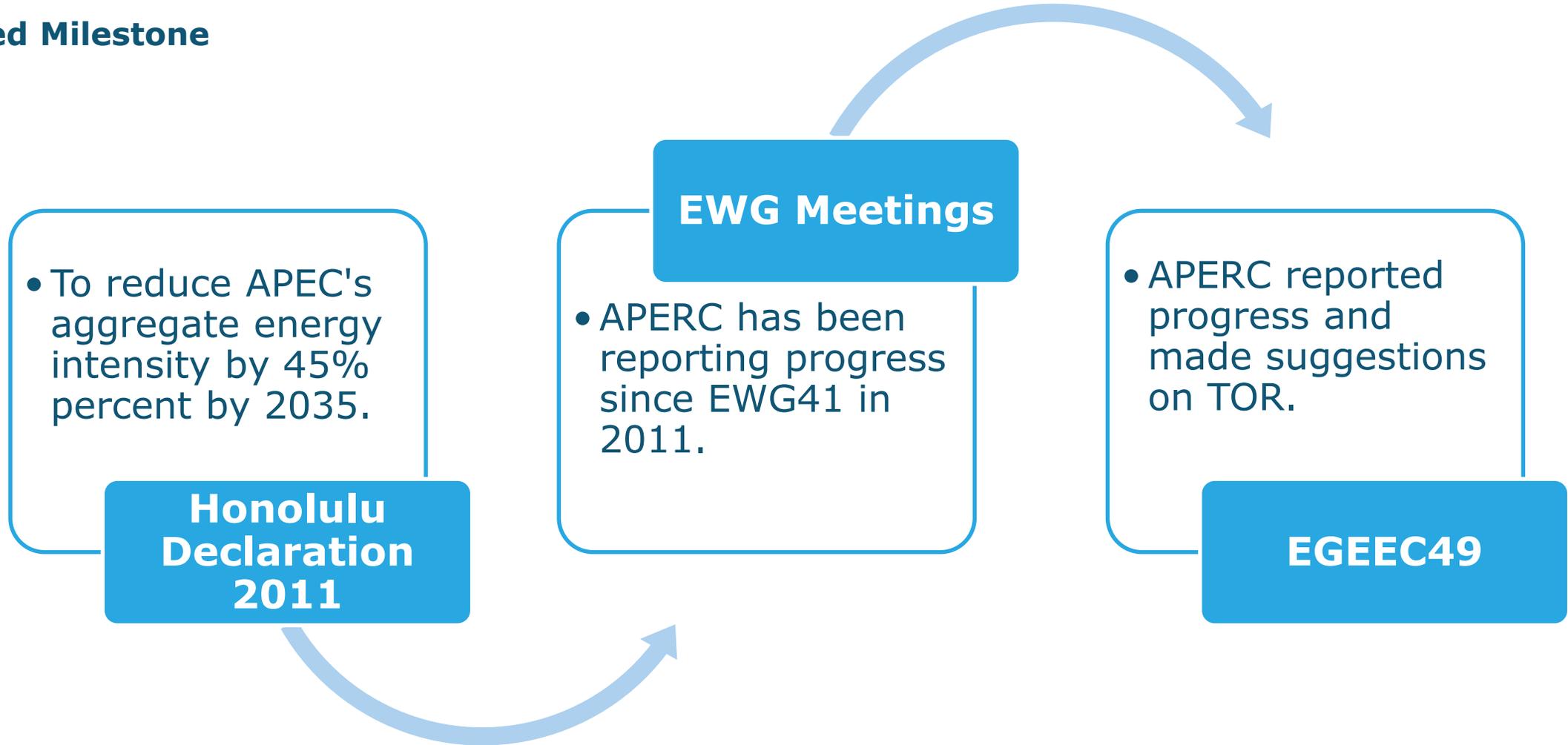
Reporting structure

Progress report

- Final energy (excluding non-energy) consumption intensity

10.e. Background

Selected Milestone



10.e. Issues (1)

Issues raised and how APERC addressed them

Before EWG52

Issues on:

- Definition of energy intensity;
 - Non-energy data affected energy intensity improvement of other economies.
- APERC reported three approaches to energy intensity computation:
 - Primary energy supply intensity;
 - Final energy consumption intensity, and
 - Final energy (excluding non-energy) consumption intensity.

Issue on :

- Source of energy data

- APERC started to use both IEA and APEC data for comparison in EWG 44 in 2012.

10.e. Issues (2)

New EWG instructions and how APERC addressed them

APERC and EGEEC to work together in monitoring energy intensity improvement

- Suggested updating EGEEC-TOR to reflect energy intensity reporting obligations (between APERC and EGEEC);
- APERC to report progress in all EGEEC and EWG meetings;
- Number of intensity indicators likely to be reduced as reported in EGEEC49.

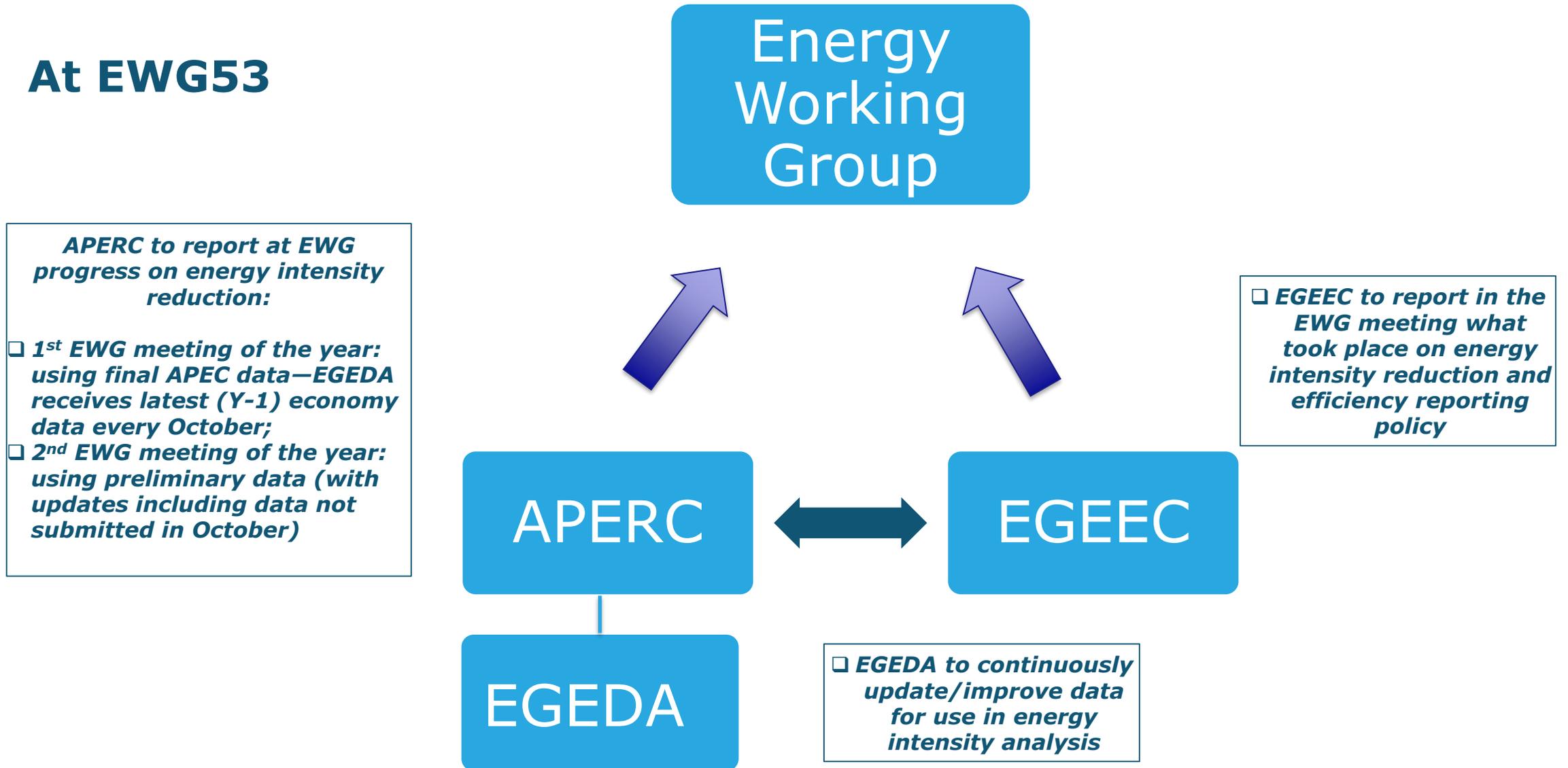
APERC and EGEDA to work together in methodology and definition of energy efficiency/intensity

- To use APEC data; improvements on APEC data were made since EWG52 and continuing;
- To use only one measure: final energy (excluding non-energy) intensity. GDP from World Bank (constant USD PPP) remains as denominator.

**After
EWG52**

10.e. Improved Reporting Structure

At EWG53



10.e. What happened to intensity after EWG52?

Final energy (excluding non-energy) consumption intensity

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2005-2014	Trend to 2035
Change in final energy (less non energy) consumption	2.0%	3.9%	0.8%	-1.8%	5.6%	4.7%	2.4%	1.4%	0.6%	21.1%	
Change in GDP 2011 US\$ PPP	5.4%	5.7%	3.0%	0.0%	5.9%	4.4%	4.4%	3.8%	3.8%	42.6%	
Change in final energy (less non energy) consumption intensity	-3.2%	-1.7%	-2.2%	-1.9%	-0.2%	0.3%	-1.9%	-2.3%	-3.0%	-15.1%	-42.0%

- ❑ In 2014, final energy consumption intensity (excluding non-energy) decreased by 3% compared with 2013;
- ❑ The average annual decrease in final energy consumption intensity (excl. non-energy) was on average 1.8% since 2006;
- ❑ Final energy consumption intensity (excluding non-energy) reduction with 2005 base reached 15.1% compared to 11.9% since the last update of APEC data in November 2016.
- ❑ Following this trend, final energy consumption intensity (excluding non-energy) reduction reaches 42% in 2035 and the APEC Goal is not reached until 2038.

Source: EGEDA (APEC) data



Thank you for your kind attention

<http://aperc.ieej.or.jp/>