ASEAN SHINE

History

In November 2010:

- International Copper Association (ICA) together with United Nations Environment Programme (UNEP) conducted a survey on energy savings potential and current status in Energy Efficiency Standards and Labeling for Air Conditioners.

In May 2011:

- To be in line with priorities of the ASEAN Plan of Action for Energy Cooperation (APAEC), the EE&C SSN endored the strategic framework for the Promotion of Higher Efficiency Appliances developed with the technical assistance of UNEP and ICA

In 2012:

- ICA, with the help of IEEJ from Japan, secured funding from APEC (111,000 USD) to implement the first phase of ASEAN SHINE: harmonization of ASEAN standards

2013 – 2016:

- ICA and UNEP received a grant from the European Union (1.7 million EURO) to implement ASEAN SHINE for air conditioners. ASEAN SHINE aims at promoting higher efficiency air conditioners through harmonization of test methods and energy

2017:

- ASEAN SHINE becomes a Private Public Partnership between UN Environment and ICA in support of United for Efficiency and Sustainable Energy for All. ASEAN SHINE extended to other technologies (lighting, refrigerators, etc.) and endorsed by ASEAN Ministers of Energy Meeting (AMEM) as Dialogue Partner. Replication of SHINE model to Latin America under preparation. Efficiency standards, increase of Minimum Energy Performance Standards, and inform consumers about economic benefits of higher efficient air conditioners.

Funding Agency

APEC Asia-Pacific Economic Cooperation

switchasia

Implementation Partners

Cu Copper Alliance

UNEP

สถาบันไฟฟ้าและอิเล็กทรอนิกส์ ELECTRICAL AND ELECTRONICS INSTITUTE

SIRIM QAS INTERNATIONAL

RCEE

U4E United for Efficiency

Technical Advisor

clasp

Steering Committee

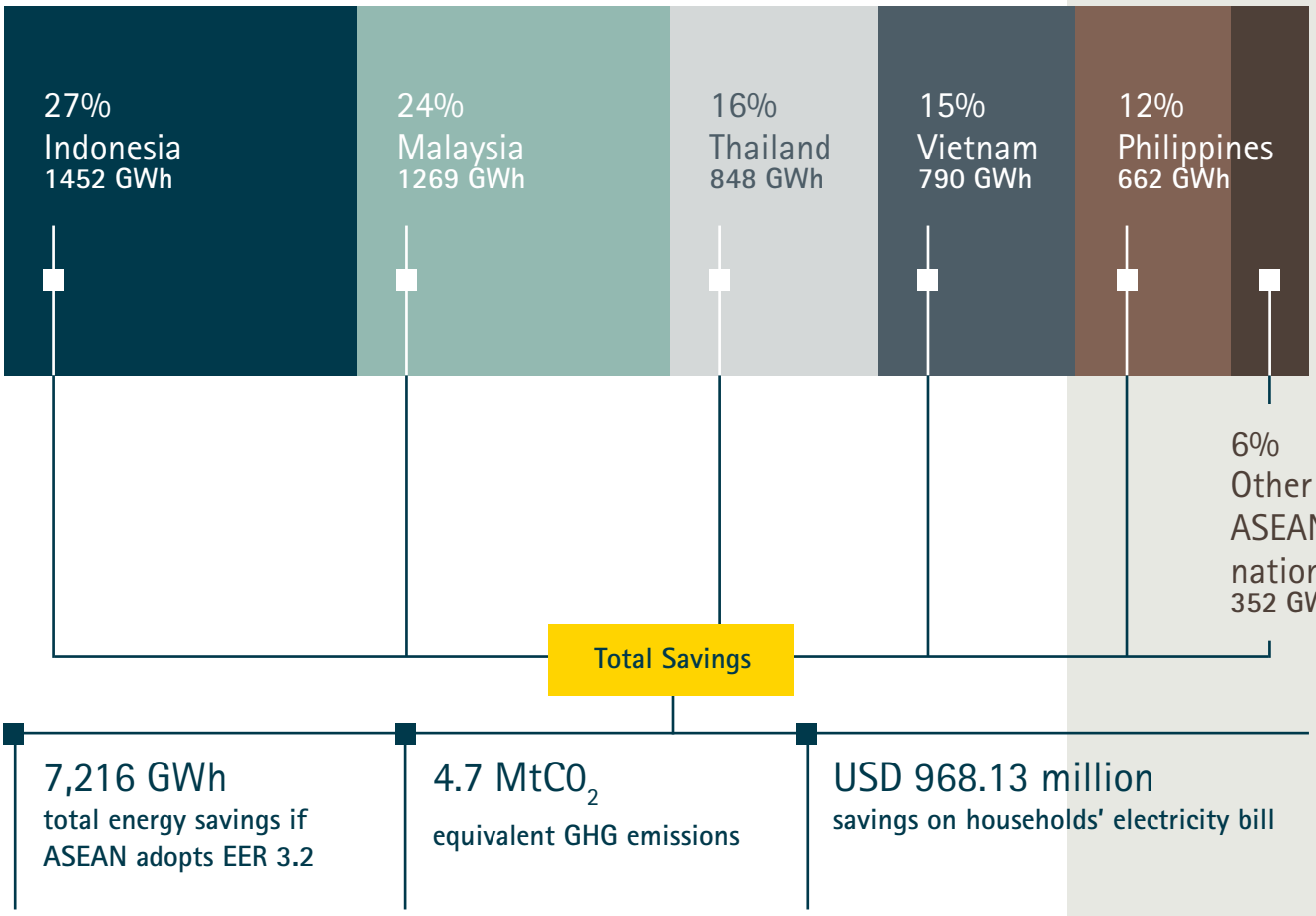
asean

Program Value

€2.3 million

Benefits

Based on an external evaluation conducted in 2017 by IIEC, the program has allowed to reduce electricity consumption by 7,261 GWh, equivalent to GHG emissions of 4.7 MtCO2, and 968.13 million USD, over the 2017-2019 period.



"The Ministers agreed to pursue the dynamic collaboration with Dialogue Partners in the area of energy efficiency and conservation and acknowledged the continued implementation of the EU SWITCH Asia's ASEAN-SHINE programme."

Joint Ministerial Statement
34th ASEAN Energy Ministers Meeting, September 2016

Major Deliverables

Establishment of Country Chapters

Country Chapters have been established in Indonesia, Malaysia, Philippines, Thailand and Vietnam. They assemble strategic national stakeholders including Ministries in charge of Energy, professional institutes, industry associations, national standard making body, testing laboratories.

Harmonization of testing standards

The TWG advised ASEAN Member States to adopt ISO5151:2010 as a single standard across ASEAN countries; ASEAN member states announced the adoption of this standard in 2015.

Regional Policy Roadmap

Following the adoption of the harmonized test standard, ASEAN Member States agreed to develop a regional policy roadmap that would set aspirational goals in terms of increasing MEPS over time

National Policy Roadmaps

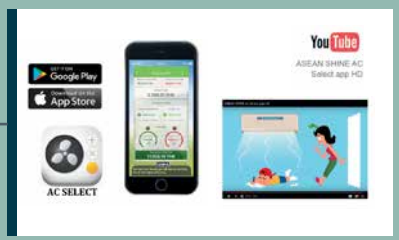
Following the adoption of the regional policy roadmap, UNEP and ICA provided technical assistance to the governments of Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand and Vietnam to develop their national policy roadmaps.

Capacity building for testing laboratories

Technical staff from five ASEAN testing laboratories were trained on ISO 5151 standard.

Capacity building for local AC manufacturers

Two softwares (HXSim v2.1 and RACSIM v1.0) were designed to assist AC manufacturers with the design of higher efficiency air conditioners using the MicroGroove™ technology.



Consumer awareness campaigns

Extensive campaign including AC Select Application (for salespersons), YouTube Video, and training for 2,500 sales persons.

International Copper
Association Southeast Asia
Copper Alliance

Level 18, Park Ventures Ecoplex, 57 Wireless Road, Lumpini,
Pathumwan, Bangkok 10330, Thailand
+662-309-3438 | https://www.copperalliance.asia/en/SEA