

WFEO COMMITTEE ON ENERGY

Strategic Plan 2018-2020

Mission: to provide the engineer with updated, unbiased and reliable information on the feasibility of the different energy technologies based on scientific principles, engineering criteria and demonstrated technological development.

Vision: to become the engineering reference for assessing the feasibility of current and cutting edge energy technologies for sustainable development.

The Committee on Energy's objective is to be the engineering reference for energy sustainable development based on engineering criteria and actively participate in sustainable energy programs around the world by providing subject matter experts.

Committee will focus on two Targets under SDG #7: 1) ensure universal access to affordable, reliable and modern energy services; and 2) increase substantially the share of renewable energy in the global energy mix.

The development of the Fossil Fuels De-carbonization Technologies lead by Olivier Appert will support Target 1. De-carbonization Technologies is cutting edge or modern energy services. This is a large challenge for the Planet to solve.

The update "Status of Sustainable Energy Engineering" published in 2009 will focus on renewable energy like converting organic waste into bio-methane gas which will support Target 2. Renewables is expanding quickly to more post-consumer waste streams and the future is changing rapidly.

Change the Committee National Members from being an observer to being a participant. Committee has grown from 50 members to 100 members, but actual participation and having a National Representative return a second or three year in a row has decreased.

Host the "3rd Energy Management Conference and Sustainable Energy for Developing Countries" in the Kingdom of Bahrain in October 2019. This Conference will be the Energy Committee's 4th Conference on Sustainable Energy for Developing Countries.

Continue working with China on the "Energy Internet" development. This effort is being lead by Sun Hongbin, VP for Asia/Pacific Region.

Launch and complete studies for Urban Waste, Hydrogen Utilization, and Energy Hierarchy (conservation, efficiency, renewable, low carbon technologies). Other topics being evaluated for studying are Superconductor Technologies for Power Transmission, Energy Storage Devices/Systems, Energy Resource Estimation Methodologies, and Near-Term Energy Demand/Supply.

Re-engage with UNESCO on Regional Renewable Energy Boot Camps by providing engineering subject matter experts. Transition of new Energy Leadership at UNESCO has created a communication gap.

Through its Taskforces, Conferences and Reports, the Committee on Energy will be supporting SEFA by collecting and disseminating best practices and recommendation.