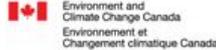




ENERGY
TRANSITION
PARTNERSHIP

Southeast Asia Energy Transition Partnership (ETP)



Innovative platform

Key Stakeholders and Partnerships

A unique consortium bringing stakeholders into one partnership



 <p>2018 2019</p> <p>History</p>	 <p>Fund Manager</p>	 <p>Duration of the Partnership</p>	 <p>Countries of Operations</p>	 <p>Organization</p>
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To mitigate the global impacts of climate change and deliver on the 2030 Agenda, partnership and collaboration are critical.

ETP engages in collaborative multi-stakeholder partnerships to combine financial and technical resources, coordinate ongoing programmes in the region, lead dialogues with energy experts and expand knowledge to boost leadership and financing for energy transition.



We work with a variety of partners, from the UN family to governments, philanthropies, private sector, utilities, educational institutions, think tanks and civil society to advance climate action.



Aligning EE/RE policies with climate commitments

We provide high level technical advisory support to improve RE and EE policies, regulations and laws. We work towards aligning energy policy targets with climate action commitments.



De-risking EE/RE investments

We aim to unlock large-scale renewable energy investments by national and international financial institutions, while increasing de-risking of projects and making them bankable.



Expanding sustainable resilient infrastructure - smart grids

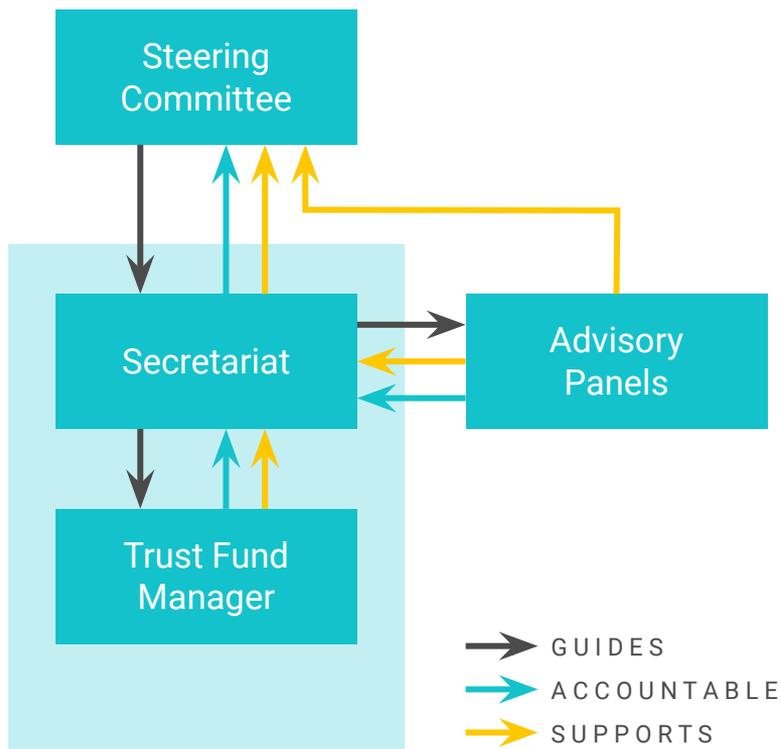
We provide technical solutions to expand smart grids, enable evidence-based planning for national grid systems, and provide capacity building for grid operators.



Knowledge, skills, awareness and capacity development

We developed a comprehensive platform to foster knowledge. We build technical and technology expertise through education programmes and establish state-of-the art centres of excellence.

Working Forces Behind our Partnership⁴



Steering Committee (Donors) is the highest decision-making body for all strategic concerns and approvals for the ETP technical assistance projects.

Secretariat implements our projects, coordinates with aligned programmes and conducts dialogues with the energy transition partners and stakeholders. The Secretariat is also responsible for daily management and operation of the ETP Programme, and supports the ETP Steering Committee.

Advisory Panels of energy experts provide strategic and programmatic advice to ensure successful implementation of the programme. Our Advisors are internationally acknowledged as leaders and subject-matter experts in areas such as policy, economics, finance, energy or other cross-cutting themes.



Indonesia

- ❖ Coal Phase Out
- ❖ Systems and Power Planning
- ❖ Grids
- ❖ Wind, Solar and storage adoption
- ❖ RE and EE Capacity Building

Philippines

- ❖ Grids
- ❖ Regulations
- ❖ Carbon Markets
- ❖ Marine Renewable Energy
- ❖ Wind
- ❖ Energy Efficiency



Vietnam

- ❖ Coal Phase-Out
- ❖ Offshore Wind
- ❖ Carbon Markets
- ❖ Capacity Building
- ❖ Energy Efficiency

Regional

- ❖ Just Transition
- ❖ Energy Efficiency
- ❖ Regional Connectivity
- ❖ Market Mechanism
- ❖ Energy Efficiency



Common EE Market Barriers, Gaps and Interventions in 3 Countries

- Low EE market knowledge, low demand from end-use energy consumers
- Little-to-no EE in government facilities
- Low technical capacity to develop bankable EE Projects
- Little-to-no commercially viable EEP financing
- Low implementation and financial capacity of EE Stakeholders



Energy Efficiency Innovation Window



The **EEIW** is an effective pathway to provide early grant financing for innovative approaches to energy efficiency.

The EE innovation window seeks proposals for funding focused on innovations addressing

ETP Partners with governments, private sector and civil society to move to low carbon energy systems in SEA.

- ❖ **Project** Development Support
- ❖ **Access** to Energy Efficiency Finance
- ❖ **Facilitate Policy Implementation** for Energy Efficiency

Awardees:

- **CPI Indonesia**
- **IIEE**
- **PT Enertec**
- **Climargy**
- **EP Group**
- **South Pole**



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Thank you.

Join ETP and be part of
shaping a clean tomorrow

Sumali sa ETP at maging bahagi ng paghubog
sa isang malinis ng kinabukasan • Bergabunglah
dengan ETP dan menjadi bagian untuk membangun
masa depan yang lebih bersih • Tham gia
ETP và cùng kiến tạo một ngày mai trong lành

www.energytransitionpartnership.org



ETP Energy Efficiency Innovation Window



ETP Energy Efficiency Innovation Window

This project provides an effective pathway through which ETP can provide early-stage grant financing for innovative approaches to address the systemic problem of under-investment into energy efficiency in Southeast Asia.



De-risking Instrument Danfoss Energy Management System (DEMS) in Indonesia” with CPI Global

To establish a Credit Guarantee Mechanism (CGM) facility on a Danfoss’ Energy Efficiency Project and deployment of the CGM Facility to de-risk and accelerate Energy Efficiency investment in Indonesia

“IGA Financing Program under the EEIW in the Philippines” with Climargy

De-risking Energy Efficiency Investment in the Philippines by financing Investment-Grade Audit (IGAs) for around 13 energy efficiency projects within the first three years of its 10-year, USD 108 million pipeline.

“Energy Efficiency and Energy Conservation Awareness Raising in the Education Sector in Indonesia” with Indonesian Institute of Energy Economics

To contribute to the reduction in energy consumption in schools and homes by increasing awareness and capacity about energy efficiency and conservation of students and teachers in the selected schools in East Java.

“ESCO-in-a-Box in the Philippines” with EP Group

To support the launch of a Super-ESCO for the Philippines and SEA that will licence the ESCO-in-a-box® platform to energy services companies (ESCOs) across the region, each developing and delivering energy efficiency and clean energy projects for local business clients. The grant will part-fund a feasibility study, business planning and stakeholder engagement to be conducted by EP Consultancy

“Energy Saving Insurance Model for Indonesia” with PT Enertec

To demonstrate to the market the viability and profitability of EE investments by developing standards and mechanisms for adequate MRV of energy savings resulting from EE projects, and deploying the standards in existing building clients. Successful pilots in the project are expected to create momentum and confidence for further development and deployment of similar structured ESCO projects.

“Southeast Asia Transport Efficiency Transition Platform” with South Pole

To create a catalytic funding platform to support impact scale-up of startups pioneering novel business models designed for EV convergence opportunities under prevailing market conditions alongside regulatory reform.



Energy Transition Challenges

- ❖ High dependency on coal
- ❖ Multiple, non-coherent plans for Energy Transition
- ❖ Power grid condition
- ❖ Knowledge gaps with RE and EE

Current Progress

- ❖ Ongoing: Detailed Design for Upgrading the Java-Bali Control Center
- ❖ Tender: Study of Financial Implications on Early Retirement of Coal-fired Power Plant in Indonesia



Planned Activities

- ❖ Vision Road Map for Energy Transition: Prioritized Policies (and Financing Framework)
- ❖ Wind Potential & Solar Potential
- ❖ APMSI Support Local Supply Chain
- ❖ Floating Solar
- ❖ Grid Assessment for Curtailment Impediments
- ❖ Improving grid network and transparency over the control system
- ❖ Battery Storage Mechanism to Support RE Development
- ❖ Energy Market Mechanism Assessment





Energy Transition Challenges

- ❖ Energy affordability
- ❖ Lack of capacity to implement policies
- ❖ Underinvestment in RE and EE
- ❖ Renewable Energy potential untapped
- ❖ Heavily dependent on carbon-based energy

Current Progress

- ❖ Completed: Marine Renewable Energy Sources
- ❖ Ongoing: Strategic Regulatory Review
- ❖ Ongoing: Energy Storage Market Mechanism
- ❖ Tender: Smart Grids

Planned Activities

- ❖ Update 5-Year Work Plan
- ❖ Assessment of the pricing mechanism of the electricity spot market for RE generation to address financing and market issues
- ❖ Carbon tax policy formulation
- ❖ Smart grid roadmap for the distribution sector to facilitate embedded generation
- ❖ Enhancing local financial institutions confidence on financing energy efficiency projects through training/capacity building
- ❖ Strengthening demand side management by supporting the development of the certification program for energy practitioners and by introducing modelling tools
- ❖ Enhance capabilities of the DOE to coordinate international support



ETP Vietnam Operations Overview



Energy Transition Challenges

- ❖ High dependency on coal
- ❖ Multiple, non-coherent plans for Energy Transition
- ❖ Power grid condition
- ❖ Knowledge gaps with RE and EE

Current Progress

- ❖ Completed: Review and Gap Analysis of the Existing Abatement Scenarios
- ❖ Tender: Roadmap for net-zero emission in energy SOEs in the power sector (CMSC)
- ❖ [5 Year TA Plan](#) updated in March 2022

Planned Activities

- ❖ (CEC) - Policy making for renewable energy development, with the focus on offshore wind, training and knowledge building for provincial leaders.
- ❖ (ERAV- MOIT) - Electricity Market development, Electricity regulatory platform, smart grid and awareness raising campaign.
- ❖ (STAMEQ-MOST) - RE and EE standards and upgrading trainings for energy audit, energy efficiency professionals and verifications
- ❖ (DCC-MONRE) - Carbon market development and green cooling program (in cooperation with MOST)
- ❖ (VASI-MONRE) - Licensing for offshore wind project surveys and sea areas utilization.
- ❖ (VCCI) - Energy audits and pilot energy efficiency projects, access to EE financing and ESCO association establishment.
- ❖ (IoE-MOIT) - Policy studies and researches on labour conversion for retired coal-fired power plants.



ETP Regional Operations Overview



REGIONAL

Current Progress

- ❖ Completed: EE Policy Diagnostic
- ❖ Ongoing: Energy Transition Roundtable
- ❖ Ongoing: Energy Efficiency Innovation Window - 6 Grantees selected, 4 awarded
 - EE and Energy Conservation Awareness Raising in the Education Sector - INO
 - De-risking Instrument to Accelerate Energy-Efficiency Business Transaction with Danfoss Energy Management System - INO
 - ESCO-in-a-box for Southeast Asia - PH
 - Investment-grade Audit (IGA) Financing Program - PH



Planned Activities

- ❖ Energy Efficiency Innovation Window Phase II - 2 Grantees To be Awarded
 - Energy Saving Pilot Project in Indonesia - INO
 - Innovative technology and business models for High-Efficiency Zero-Emission EVs - INO, VIE
- ❖ Energy Efficiency Innovation Window Phase III (Vietnam)
- ❖ Financial Institution Consultation - INO, PHI, VIE
- ❖ ASEAN Power Grid Program
- ❖ Asia Coal Transition Platform
- ❖ Energy Market Mechanism Accelerator



Energy Efficiency Innovation Window - Vietnam

- Early-stage grant financing for innovative EE approaches to address the challenges and under-investment of EE in Vietnam
- To be launched in Jun, 2022 seeking innovative proposals from Vietnam
- To select 2-4 Proposals

