



Ministry of Industry and Trade



Hợp tác
Đức

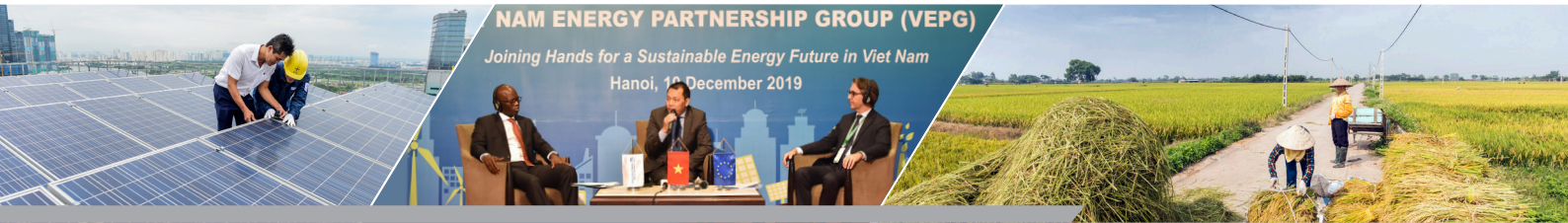
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NAM ENERGY PARTNERSHIP GROUP (VEPG)

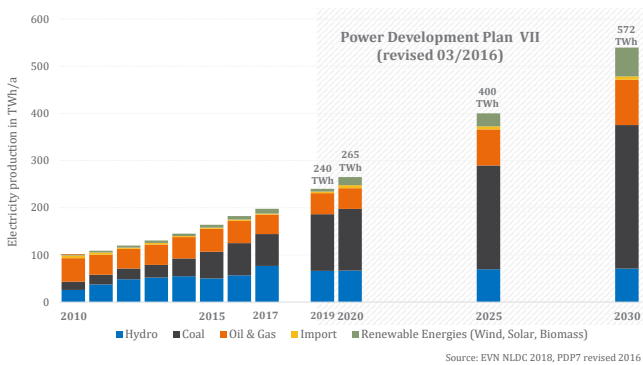
Joining Hands for a Sustainable Energy Future in Viet Nam
Hanoi, 1st December 2019

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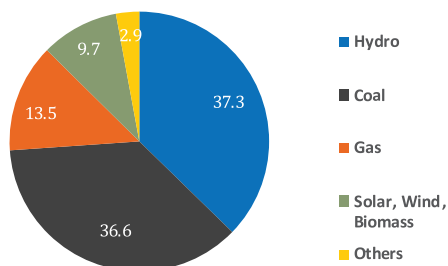
Renewable Energy and Energy Efficiency Project (4E)

Energy Sector in Viet Nam

Viet Nam's fast-growing economy is the main driver for the rapidly increasing electricity demand throughout the country over the past years. Viet Nam's annual electricity production increased by nearly thirty folds, from 8.6 TWh in 1990 to 240 TWh in 2019.



Viet Nam's overall installed electricity generation capacity was 55.3 GW in 2019. The dominant sources for power production are hydro (37.3%), coal (36.6%) and gas (13.5%) (imports excluded). The share of wind, solar and bioenergy was 9.7% (NLDC 2019).



National installed electricity generation capacity 2019 (%)

According to the National Power Development Plan (PDP VII revised, March 2016), Viet Nam aims to increase its renewable energy share in power production substantially. The overall percentage figures for 2020 and 2030 include small hydro power.

Renewable Energy (RE) and Energy Efficiency (EE) in Viet Nam

Viet Nam has a high potential for Renewable Energy, including hydro, solar, wind, biomass, and waste. Vietnam Renewable Energy Development Strategy (REDS) stated that RE will contribute about 38% to the total national electricity production by 2020, 32% in 2030, and about 43% in 2050.

Due to the solar promotion mechanism, Viet Nam witnessed a solar boom in 2019. By June 2019, the capacity in operation of solar reached 4.5 GW with more than 70 projects being approved. Wind power also strongly increased with 0.45 GW capacity in operation by June 2019 (EVN, 2019).

The Viet Nam National Energy Efficiency Programme (VNEEP), approved by the Government of Viet Nam, has been implemented since 2006. By 2015, 16 million tons of oil equivalent (TOE) has been saved throughout the VNEEP's activities. The energy saving ratios achieved by the VNEEP1 (2006 - 2010) and VNEEP2 (2012 - 2015) were 3.39% and 5.65% respectively (IE, 2016).

In March 2019, the Government approved the VNEEP3 for the period 2019-2030 with targets for reducing the total final energy consumption by 5-7% in 2025 and 8-10% in 2030 compared to the baseline development.

Renewable Energy and Energy Efficiency Project (4E)

The main objective of the 4E Project is to further develop legal, regulatory and institutional preconditions as well as related capacities to channel investment towards RE and EE.

Phase I (2015-2018): EUR 3 million

- Commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ)
- Complemented by a component on Climate Finance Readiness which was co-funded by USAID and the Czech Republic

Phase II (2018-2021): EUR 12.16 million

- Co-financed by the European Union (EU) and BMZ
- Include the execution of the Technical Assistance for the Implementation of the EU - Viet Nam Energy Facility (EVEF)

Action areas under Phase II include:



Legal and regulatory framework

- » Development of support mechanisms for further expansion of RE and EE
- » Development of technical standards and regulations for solar PV projects
- » Development of Viet Nam Energy Information System



Capacity development

- » Trainings for policy makers, project developers and investors
- » Development of policy dialogue platforms among various stakeholders in the energy sector



Technology cooperation

- » Support to RE and EE technology transfer to Viet Nam
- » Study trips and match-making events between Vietnamese and German companies

The Technical Assistance for the Implementation of the EVEF include the following components:



Component 1: Implementation of a Demand-Driven Technical Assistance Facility



Component 2: Secretariat to the Viet Nam Energy Partnership Group (VEPG)

Find more at <http://vepg.vn/>

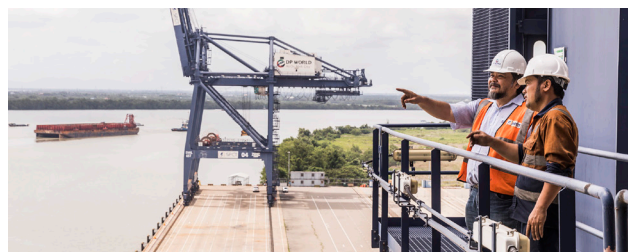


Component 3: Monitoring of Sector Reform Contract (SRC) Implementation



Component 4: Cross-Cutting Activities

For further information, please visit EVEF's website at <http://energyfacility.vn/>



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Project

Renewable Energy and Energy Efficiency (4E)

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GIZ is responsible for the content of this publication.

Hanoi, 2020