

 Early Warning System

WB-P510217

Cambodia Sustainable Energy Transition Project



Quick Facts

Countries	Cambodia
Specific Location	Phnom Penh area
Financial Institutions	World Bank (WB)
Status	Approved
Bank Risk Rating	A
Voting Date	2026-06-26
Borrower	Government of the Kingdom of Cambodia
Sectors	Energy, Infrastructure
Investment Type(s)	Grant, Loan
Investment Amount (USD)	\$ 115.00 million
Loan Amount (USD)	\$ 110.00 million
Grant Amount (USD)	\$ 5.00 million
Project Cost (USD)	\$ 120.00 million



Project Description

According to the World Bank, the proposed Cambodia Sustainable Energy Transition is a multi-faceted project which provides comprehensive support to Cambodia's ambition to decarbonize its economy while maintaining stability and affordability. The proposed project is designed to respond to government priorities in the energy sector, to significantly:

- i) upgrade the electricity grids for enhanced capacity and improved reliability and efficiency for electricity services (incl. variable renewable energy and clean power imports),
- ii) enable and promote strategic investment of E-mobility infrastructure;
- iii) drive energy efficiency investments in industry to catalyze implementation of National Energy Efficiency Plan (NEEP); and
- iv) expedite access to modern energy services across the country.

These initiatives are imperative for fulfilling the goals outlined in the Revised Power Development Plan (RPDP), NEEP, National Policy on Electric Vehicles Development (NPEVD), and related government's socio- economic development agenda. The proposed project will consist of three components:

- **Component 1: Power Grid Strengthening for facilitation of Energy Transition.**

This component will support investment in the following areas:

- Investment in transmission lines and substations
- Investment in AMI / SCADA integration, BESS
- Distribution network extension and strengthening. This subcomponent will finance construction of new transmission lines and substations in Phnom Penh area (and central eastern Cambodia) which aims to meet the demands of
 - (i) electricity consumption growth and improving the reliability of electricity supply in Phnom Penh area, and
 - (ii) increasing clean power imports from Laos.

This component will finance the construction of one 230 kV transmission lines from GS Lvea Am to GS Arey Ksat (about 15 Km), and one 115 kV double circuit transmission lines from Aray Ksat to GS Chroy Chang Va III and to GS Wat Phnom (about 4.5km); with associated substations critical to service demand growth expected in the Arey Ksat area (and east of Phnom Penh).

In addition, as part of the process of starting the digitizing of its grid, Cambodia aims to start with replacing all 3 phase meters including the already installed Advanced Meter Readers (AMR) with Automatic Meter Infrastructure (AMI) and the associated soft and hard infrastructure to lay the foundation for the development of a smart grid. The pilot phase of this digitization exercise is expected to be funded from this component. The component will also support BESS investment to facilitate high level of renewable energy efficiency and Strategic investment for E-mobility uptake. Further, this component will support expansion and strengthening of distribution networks in urban and rural areas to accommodate new demand, including EV deployments.

- **Component 2: Energy Efficiency Improvement This component will support implementation of a credit line for investment in energy efficiency technologies industrial sector.**

The component will be implemented by Ministry of Mines and Energy (MME). The Industrial Energy Efficiency Financing component is designed to promote the adoption of energy-efficient technologies and practices within Cambodia's industrial sector. It provides concessional loans to industrial enterprises for the purchase, installation, and operation of energy-efficient equipment, which helps reduce energy consumption and lower greenhouse gas (GHG) emissions. Key stakeholders in the program include the MME, which serves as the implementing agency, and state-owned financial intermediaries, including Small and Medium Enterprise Bank of Cambodia (SME), and Foreign Trade Bank (FTB) as participating financial institution (PFI). These institutions collaborate to ensure the efficient allocation and utilization of



Investment Description

- World Bank (WB)



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Private Actor 1	Private Actor 1 Role	Private Actor 1 Sector	Relation	Private Actor 2	Private Actor 2 Role	Private Actor 2 Sector
-	-	-	-	Electricite Du Cambodge	Client	Energy



Contact Information

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ACCESS TO INFORMATION

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Bank Documents

- Environmental and Social Commitment Plan (ESCP) Cambodia Sustainable Energy Transition Project (P51
- Resettlement Framework Cambodia Sustainable Energy Transition Project (P510217)
- Appraisal Environmental and Social Review Summary (ESRS) - Cambodia Sustainable Energy Transition Pr
- Appraisal Project Information Document (PID)
- Appraisal Project Information Document (PID)
- Climate Finance Assessment (P510217)
- Concept Environmental and Social Review Summary (ESRS) - Cambodia Sustainable Energy Transition Proj
- Concept Project Information Document (PID)
- Environmental and Social Commitment Plan (ESCP) - Cambodia Sustainable Energy Transition Project - P
- Environmental and Social Commitment Plan (ESCP) Cambodia Sustainable Energy Transition Project (P510
- Environmental and Social Management Framework (ESMF)
- IP/SSAHUTLC Planning Framework Cambodia Sustainable Energy Transition Project (P510217)
- Labor Management Procedures Cambodia Sustainable Energy Transition Project (P510217)
- Official Documents- Implementation Agreement for GFPP Grant E5130-KH.pdf
- Official Documents- Letter Agreement for Grant E5130-KH.pdf
- Resettlement Framework Cambodia Sustainable Energy Transition Project (P510217)
- Social Assessment Cambodia Sustainable Energy Transition Project (P510217)
- Stakeholder Engagement Plan (SEP) - Cambodia Sustainable Energy Transition Project - P510217
- Summary of Financial Intermediaries Environmental and Social Management System (ESMS) Cambodia Sust
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