

The Philippines Battery Energy Market Mechanism Support Program

PROJECT SNAPSHOT

Country: The Philippines

The growing need to integrate variable renewable energy, such as solar and wind, consequently increases the need for energy storage systems. This is to ensure that power generated from these clean energy sources are fully utilized when the demand is high.

However, the current market conditions of the Wholesale Electricity Spot Market (WESM) is not ready for energy storage systems investments. As such, this study recommended the rules for the participation of standalone Energy Storage Systems (ESS) and renewable energy ESS hybrids in the WESM for a robust and fair market mechanism for these technologies.

CONNECT



ETP'S CONTRIBUTION

ETP recommended the rules for the participation of standalone ESS and renewable energy - ESS hybrids in the Wholesale Electricity Spot Market. The rules are aligned with the recent ESS policy released by the Department of Energy on April 2023 and include guidance to ensure fair competition with the participation of ESS



IMPACT

→ Enhance power system management with increased VRE
Increased competition in the electricity market leading to lower tariff rates



OUTCOME

→ Increased participation of ESS in the electricity market
Enabling a fair and competitive electricity market



OUTPUT

→ Market rules for the participation of ESS that are aligned with new policy storage systems
Conformance, compliance monitoring, and competitiveness recommendations



IMPLEMENTATION PARTNERS

Nel Consulting Limited



STAKEHOLDERS

Philippine Electricity Market Corporation



PROJECT DURATION

December 2021 - October 2023

CONTACT DETAILS

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Key Outputs

- Refined Wholesale Electricity Spot Market (WESM) regulations to incorporate provisions for battery energy storage system (BESS) and other ESS.
- Provided recommendations for improved conformance, compliance monitoring, and competitiveness.