

INDONESIA



Image credits: Pondera Consult

COUNTRY CONTEXT



- ▶ Indonesia is among a few countries in the region that is currently showing progress in its net-zero roadmap, as well as in its carbon-pricing efforts, with the government launching a mandatory Emissions Trading System for the power sector in 2023

- ▶ Tying the government's efforts together, ETP supported finalizing the core document for Indonesia's National Energy Policy and opening discussions on carbon taxation

OUR CONTRIBUTION

ETP support is helping Indonesia overcome key challenges and achieve its energy transition goals, including the enhanced Nationally Determined Contributions (NDC) targets and the Just Energy Transition Partnership's (JETP) renewable energy deployment target of 44% by 2030. Through close collaboration with government stakeholders and sectoral experts, efforts to de-risk RE and energy efficiency investments are also underway. A 1 GW solar PV development plan for the JAMALI grid is in the works, along with a pre-feasibility study of potential wind energy from 8 locations in Java and Sumatra.

Anticipated Outcomes

Support inter-ministerial collaboration to facilitate a smooth transition from the use of coal to renewable energy

Make data more accessible for policymakers and financiers to support energy service companies and kickstart an energy efficiency market by 2030

De-risking future investments and promoting an investment-conducive climate in the wind energy sector

Increase cohesiveness among government and energy sector stakeholders to drive energy transition

Contribute towards unlocking additional 5 GW of solar PV power plant by 2033

Enhance national ownership and expand the potential of the National Battery Industry



Long-term Impact



Contribute to a 50% renewable energy target by 2040

Reducing GHG emissions



Image credits: JETP Working Group, Pondera Consult



ETP FUNDERS

Government:

- Australia Department of Climate Change, Energy, the Environment and Water Development Agency
- Environment and Climate Change Canada
- French Development Agency
- German Federal Ministry for Economic Affairs and Climate Action
- UK Department for Energy Security and Net Zero

Philanthropies:

- Children's Investment Fund Foundation (UK)
- Sequoia Climate Foundation

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PROJECTS



STRATEGIC OUTCOME 1

Policy Alignment with Climate Commitments

- Supporting Medium-term National Development Planning 2025 – 2029 Background Study Indonesia
- Assisting the Revision of the Indonesia Roadmap of Net Zero Emission (NZE) 2050
- Preparation of the Indonesia's Enhanced Nationally Determined Contribution (NDC) Investment Roadmap for Energy Efficiency
- Study on the Financial Implications of the Early Retirement of Coal-fired Power Plants
- Streamlining Government of Indonesia Plans as a Pathway to Achieve Net Zero Emissions Target
- Integrated Eco-friendly Public Transport
- Supply Chain Integration of Battery Value Chain for Energy Transition
- Innovating New Incentives Mechanism for Energy Transition Projects
- Decarbonization - Leveraging Industrial Decarbonisation Options in Indonesia by Anticipating International Carbon Tariff
- Strengthening Implementation of Government Regulation on Energy Conservation
- JETP Power System Analysis
- Operationalization of the Just Transition Framework in JETP Indonesia



STRATEGIC OUTCOME 2

De-risking Energy Efficiency and Renewable Energy Investments

- Wind Energy Development in Indonesia - Investment Plan
- Catalyzing Energy Efficiency as a Service
- 1 GW Solar PV Mapping and Development Plan
- Supporting JETP Secretariat
- Decarbonize Captive Power Market for Industrial Decarbonization
- Financial Expertise for PT Sarana Multi Infrastruktur (Persero)



STRATEGIC OUTCOME 3

Extending Smart Grids

- PLN Main and Disaster Recovery Control Centers
- Advisory Services to Support Smart Grid Development and Implementation



STRATEGIC OUTCOME 4

Knowledge and Awareness Building

- Energy Efficiency and Energy Conservation Awareness Raising in the Education Sector
- Energy Transition Business and Change Management Centre of Excellence
- Specialized Workforce Development to Support Energy Transition