Accelerating Power Grid Interconnectivity in Southeast Asia: A Private Sector Perspective

Jennifer Chen
World Resources Institute
jennie.chen@wri.org
Corporate Clean Energy Demand in Asia

Combined market capitalization of ACEC member companies is ~1.5x ASEAN’s GDP

Across their 6 top Asian markets, RE100 member companies consume ~200 TWh / year. Renewables represent 9-50% of that consumption.

Source: BloombergNEF  Note: Chart is for offsite, publicly disclosed deals only and may be subject to change as more information is made publicly available. Capacity is in GW DC.
Examples of Corporate Demand Leading to New Green Energy Purchasing Mechanisms

Indonesia’s PLN has expanded green power purchasing options beyond rooftop solar in response to corporate demand, launching a REC Program in 2020.

By end of 2023, total renewable energy sales exceeded 5 TWh to serve 296 companies through this program [https://wri-indonesia.org/en/node/100216](https://wri-indonesia.org/en/node/100216).

PLN developed Green Energy-as-a-Service (GEAS), offering a bundled REC product where buyers can fund upcoming renewable energy plants in PLN’s pipeline.

GEAS will be piloted with the Cirata Floating Solar Power Plant. At 192 MW, it’s enough to power 50,000 Indonesian homes.

Example of demand growth from new data centers (US)