



MINISTRY OF PUBLIC WORKS
SECRETARY OF STATE FOR ELECTRICITY, WATER
AND SANITATIONS
GENERAL DIRECTORATE OF REGULATIONS FOR ELECTRICITY, WATER
AND SANITATIONS SECTORS



THE 9 TH GOVERNMENT-PRIVATE FORUM ON THE CLEANER ENERGY FUTURE INITIATIVE FOR ASEAN (CEFIA)

Timor Leste

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IMPACT GLOBAL ENERGY PRICE FLUCTUATIONS

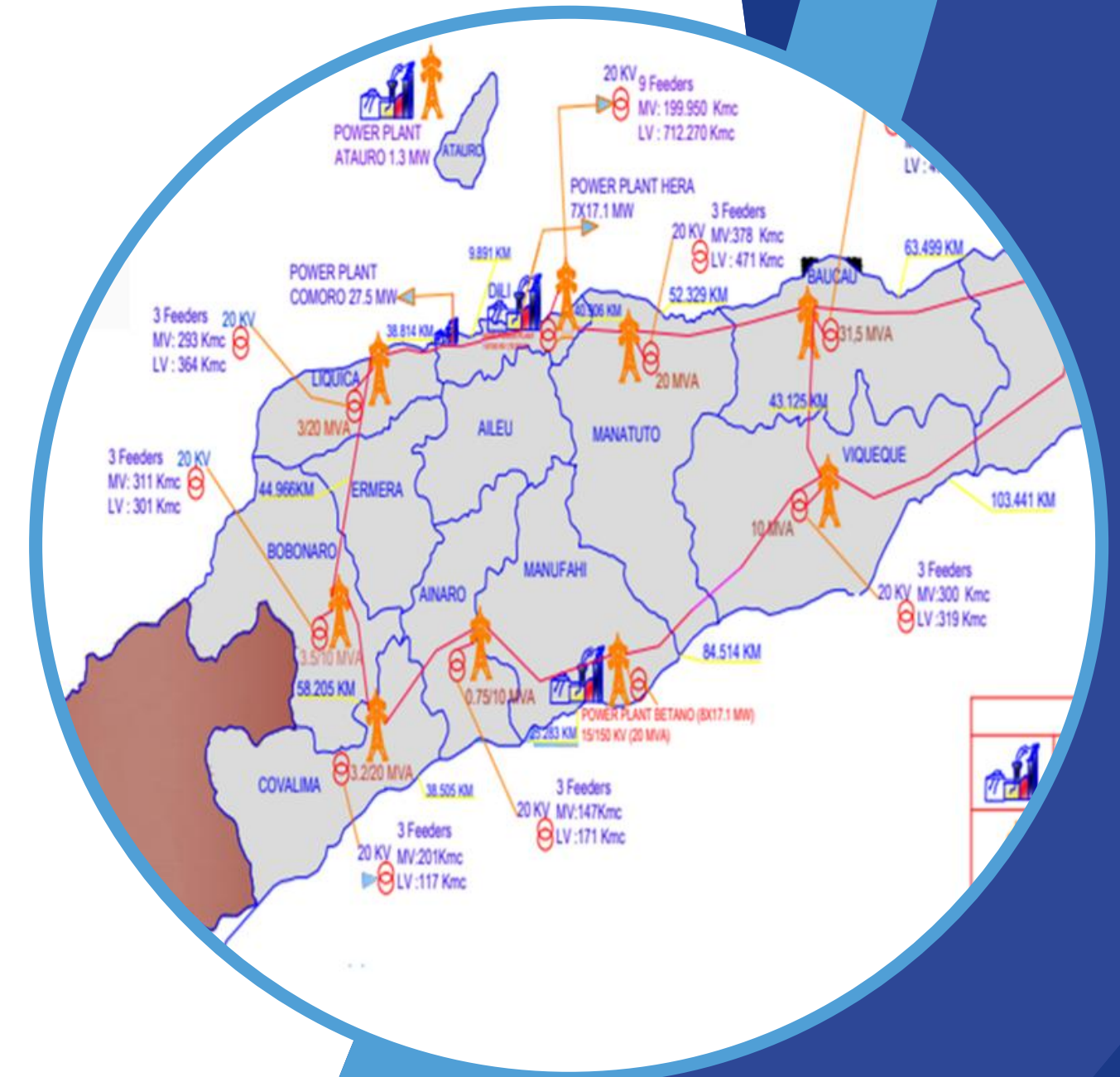
Timor Leste electricity generation dependence on diesel.
Global oil price fluctuations, direct impact on electricity cost.

Effects on national stability:

- Increased government subsidies
- Higher cost of living

Decarbonization

Current volatility is accelerating the shift toward renewable energy ensure long-term energy independence and price stability.



COUNTRY PRIORITY TECHNOLOGY

- Timor-Leste is currently in the process of developing a major Solar Power Plant in Manatuto. Potential Capacity: 72 - 85 MW
- Atauro Island Solar PV with capacity 3MW
- Pre-Feasibility study for for wind energy in Larigutu 50 MW and Oeleo 50MW.
- Prioritizing Solar PV and Battery Storage (BESS) for isolated areas to ensure 24/7 reliability.
- Prepare to improve and digitize the distribution network throughout the country.
- CCUS (carbon capture utilization and storage) Development, to reduce greenhouse gas emissions by capturing, utilizing, and safely storing CO₂ from energy and industrial sources, supporting the transition toward net-zero emissions.



POLICY REFORM AND REGULATORY FRAMEWORK

Policy and Regulations	Aims
National Strategic Plan 2011-2030	At least 50% of Timor-Leste's energy needs will be provided by renewable energy sources
SDG 7 roadmap	Creation of a national energy efficiency and RE plan with 15 year horizon and 5 year review cycle.
Renewable Energy Roadmap	Increase renewable energy share, reduce diesel dependence, and enhance energy security
Energy Efficiency Roadmap	Reduce energy consumption, improve efficiency, and lower electricity costs
NDC (Nationally Determined Contribution)	Strengthens its commitment to climate action, with energy efficiency (EE) and RE identified as a key mitigation strategy.
EE decree law	Establish legal framework, promote MEPS, energy audits, and enforcement.
RE decree law	Enable investment, support grid integration, and encourage private sector participation.
EDTL Bussines Plan	Develop bankable projects, attract investment, and guide implementation

STRATEGIC GAPS & CEFIA COLLABORATION

- Renewable Energy Integration: Technical gaps in managing grid stability when connecting large-scale solar PV to the existing medium-voltage network.
- Weak capacity in energy data analysis and digital energy systems. Need for specialized training in, power system, grid stability, energy forecasting. Also for auditing and enforcing MEPS for household appliances.
- Expanded technical cooperation, such as joint research, technology transfer, and demonstration projects in renewable energy, smart grids, EE & C, etc.
- Assistance in the development of clean energy legal policy framework.

THANK YOU

