

The Mid-term Review of OECD Thailand Country Programme: Phase II

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Clean Energy Finance and Investment Roadmap of Thailand

The roadmap focuses on 2 clean energy sectors

- I {
 - Small-scale Renewable Power
- II {
 - Energy Efficiency in building with focus on cooling system

Small-scale Renewable Power / Challenges and Financing Barriers

Financial support

- SMEs lack of access to finance
- Limited access to finding and expertise for microgrids in remote areas
- Higher supply chain costs

Policy and Regulation

- Policy uncertainty and costly licensing and permitting procedures
- Inconsistent and challenging grid codes and regulation
- Lack of skilled staff and low enrolment in net-billing schemes

Governance

- Overlapping responsibilities across public agencies
- Limited awareness of communities

Small-scale Renewable Power / Recommendations

Strengthening policy planning.

Simplifying renewables licensing and permitting processes, and requirements for small power producers.

Reviewing and strengthening existing public financial incentives to prioritise the acceleration of small-scale and community-based renewable power models.

Piloting a green credit guarantee scheme for small-scale renewable power projects, for example of small- and medium-sized energy service companies (ESCOs).

Providing financial support to Pay-As-You-Go models to expand off-grid, community-based renewable energy.

Energy Efficiency in building with focus on cooling system/ Challenges and Financing Barriers

Financial support

- Most ESCOs are small in size and face challenges in accessing Finance for energy efficiency projects
- Commercial banks unfamiliar with EE technologies and ESCO's business world

Policy and Regulation

- AC labelling is voluntary and doesn't apply to commercial buildings
- AC std. and MEPs have low stringency
- Misaligned incentives of building developers and owners

Governance

- Limited consumers information
- Lack of training for engineers
- Limited M&V capacity

Energy Efficiency in building/ Recommendations



Enhancing building codes and minimum energy performance standards for buildings and cooling applications.



Conducting ex-post evaluations of the EERF and the ESCO Fund and using the evaluation's findings to support decision-making on the need for financial incentives to promote the ESCO market, specifically for EE projects in the building sector.



Establishing a bulk procurement model for energy-efficient cooling appliances and piloting an energy saving insurance model.



Developing an Energy Efficient Technology List and collaborating with financial institutions to provide financial incentives to the listed technologies.



Strengthening the policy framework for district cooling.