



The Potential Role of Carbon Pricing in Thailand's Power Sector

Report Launch

Friday 30 April 2021, 15:00 – 16:30 Bangkok time / 10:00 – 11:30 CET

English and Thai, simultaneous interpretation
This event will be recorded

International
Energy Agency



Context

Thailand is committed to playing its part in the international efforts aimed at addressing climate issues. As it is for most countries, the power sector in Thailand is among the largest emitters, accounting for 38% of energy-related CO₂ emissions. Hence, reducing the emissions from this sector is fundamental in reducing the country's total emissions. This report explores the potential role of carbon pricing in driving emissions reduction in power generation and supporting a clean energy transition in the country. Building on the understanding of the current power market structure and future development plans, this report leverages on the results from in-depth 2030 power production cost modelling to assess the potential impacts of carbon pricing on power generation dispatch and investment, and the resulting implications on emissions and costs. The recommendations arising from the assessment suggest that carbon pricing can play an active role in reducing the emissions from Thailand's power sector, with measures to mitigate the potential costs and distributional impacts.

Objective

This report launch event is intended to share the key findings and recommendations of the IEA report in co-operation with TGO. The report explores how carbon pricing could potentially spur emissions reductions from electricity generation and support power sector transformation in Thailand. It builds on understanding of Thailand's power sector developments and policy trends and relies on in-depth modelling of Thailand's power system in 2019 and 2030. This study also highlights some of the potential challenges of implementing carbon pricing in the power sector and relevant policy insights for Thailand to cost effectively achieve clean energy transition and support its long-term climate ambition.

Agenda

Chair:	MOARIF Sara , Unit Head, Environment and Climate Change, IEA
15:00 /10:00 CET	Welcome and Opening Remarks <ul style="list-style-type: none"> • Kiatchai MAITRIWONG, Executive Director, TGO • Tom HOWES, Head of Energy and Environment Division, IEA
15:20 /10:20 CET	The Potential Role of Carbon Pricing in Thailand's Power Sector Key findings and recommendations <ul style="list-style-type: none"> • Cyрил CASSISA, Analyst, Environment & Climate Change Unit, IEA
15:40 /10:40 CET	Moderated Panel Discussion <u>Moderator:</u> Beni SURYADI , Manager, ASEAN Centre for Energy <ul style="list-style-type: none"> • Saharath BOONPOTIPAKDEE, Member Board of Directors, TGO • Muanjit CHAMSILPA, Technical expert, TGO • Peerapat VITHAYASRICHAREON, Analyst, Renewable Integration and Secure Electricity Unit, IEA • Wongkot WONGSAPAI, Assistant Professor, Chiang Mai University
16:10 /11:10 CET	Q&A session
16:25 /11:25 CET	Wrap up and closing remarks <ul style="list-style-type: none"> • Kiatchai MAITRIWONG, Executive Director, TGO • Tom HOWES, Head of Energy and Environment Division, IEA
16:30 /11:30 CET	End of the webinar



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