Enerdata
intelligence + consulting

Country Energy Report

October 2025

Thailand

Table of Contents

Table of Contents 1

List of Graphs & Tables 2

Overview 6

Energy & Climate Policy Framework 8

Energy Companies 17

Energy Supply & Demand 22

Energy Use & Price by Sector 37

Issues & Prospects 48

Statistics, Abbreviations & Glossary 56

AUTHOR

Maylis CASTELEYN
Senior Analyst

List of Graphs & Tables

List of Graphs

- Graph 1: Final Intensity to GDP 15
- Graph 2: Primary Consumption Trends by Energy Source 23
- Graph 3: Total Consumption Market Share by Energy (2024) 24
- Graph 4: Installed Electric Capacity by Source 25
- Graph 5: Installed Electric Capacity by Source (2024) 26
- Graph 6: Gross Power Production by Source & Consumption 27
- Graph 7: Power Generation by Source (2024) 27
- Graph 8: CO_2 Intensity of Electricity Generation 28
- Graph 9: Crude Oil Production & Consumption 30
- Graph 10: Petroleum Products Production & Consumption 31
- Graph 11: Gas Production & Consumption 32
- Graph 12: Coal Production & Consumption 33
- Graph 13: GHG Emissions and CO_2-energy Emissions 34
- Graph 14: CO_2-Emissions per Capita 35
- Graph 15: CO_2 Intensity to GDP 35
- Graph 16: Final Demand Trends by Energy Source 38
- Graph 17: Final Consumption by Sector 39
- Graph 18: Final Consumption Market Share by Sector (2024) 40
- Graph 19: Share of Electricity in Total Final Energy Consumption 40
- Graph 20: Final Consumption in Industry by Energy Source 41
- Graph 21: Energy Prices in Industry (Taxes Included) 42
- Graph 22: Final Consumption in Transport by Energy Source 43

- Graph 23: Energy Prices in Transport (Taxes Included) 44
- Graph 24: Final Consumption in Residential, Services, Agriculture by Energy Source 45
- Graph 25: Energy Prices in Residential (Taxes Included) 47
- Graph 26: Upcoming New Capacity by Energy Source 50

Copyright © Enerdata — All rights reserved — www.enerdata.net

List of Tables

Table 1: Economic indicators

- Population, GDP growth
- Imports & exports
- Inflation rate, exchange rate
- Energy security and efficiency indicators
- CO_2 emissions

Table 2: Supply indicators

- Oil & Gas proven reserves
- Electric & refining capacity detailed by source
- Production by energy source
- Power production by source
- External trade by energy source

Table 3: Demand indicators

- Consumption / inhabitant and consumption trends
- Total consumption by energy source
- Final consumption by energy source and by sector
- Electricity consumption by sector

Table 4: Energy Balance

- Total energy balance
- Detailed energy balance by energy source