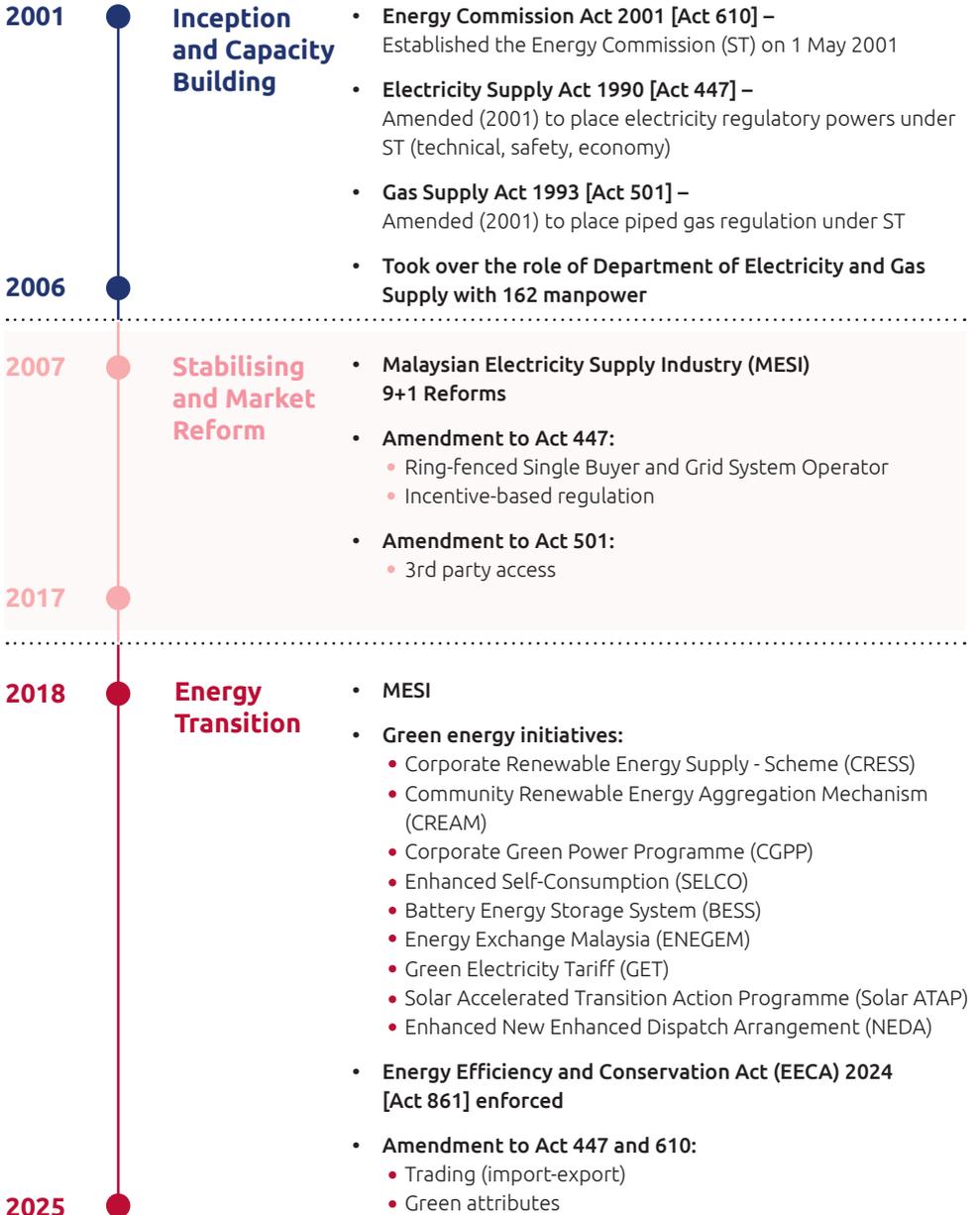


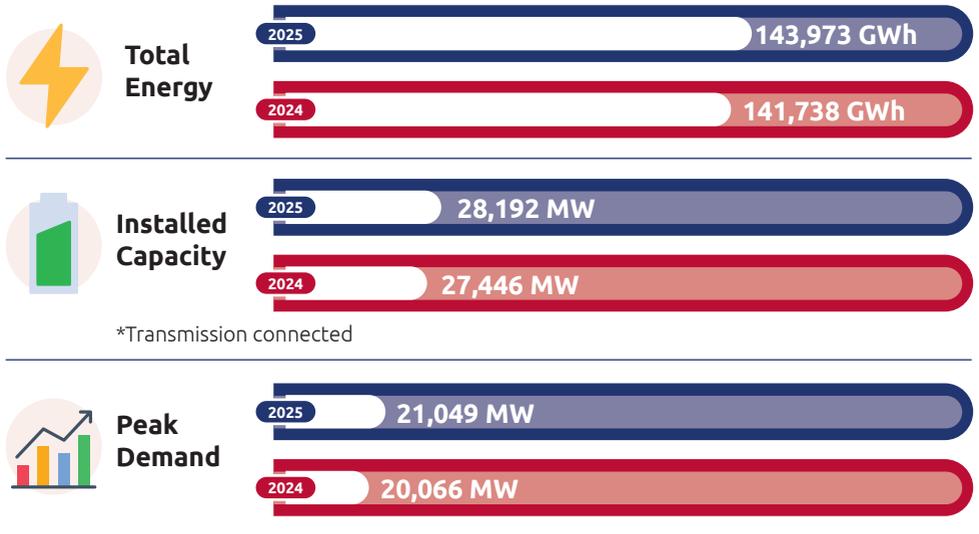
Suruhanjaya Tenaga
Annual Regulatory Review
2026

KEY MILESTONES



YEAR IN REVIEW

In 2025, the global energy landscape was shaped by stronger electricity demand growth, driven by electrification, development of data centres, electric vehicle (EV) uptake, and industrial expansion. Following the same trend, Peninsular Malaysia recorded a higher energy consumption with a new peak demand, which was recorded on 28 May 2025.



Transmission connected installed capacity for 2025 grew by 3% compared to 2024 due to commissioning and retirement of power plants. Gas power plants retire in 2025 are SKS Prai (350 MW), Serdang Power Plant (252 MW) and Panglima Power Plant (710 MW). The grid system however received additional capacity of power plants from the commissioning of Pulau Indah Power Plant (1,200 MW) and additional capacity of 100 MW from Pengerang Power. Renewable energy (RE) makes up 15.64% from the total installed capacity, which grew 4% compared to the previous year.

In this evolving landscape, ST continued to focus on practical regulatory implementation through the development of regulatory frameworks, technical standards and market arrangements that enable the energy sector to progress safely, reliably and efficiently. This was reflected in key developments during the year, including the enforcement of the EECA, enhanced tariff determination mechanism, reduced number of accidents, and continued expansion of RE deployments frameworks to support higher RE penetrations. These efforts underscore ST's continued commitment to ensuring a secure, reliable and sustainable energy future.



Acts and Regulations

Electricity Supply (Amendment) Act 2025 - Gazetted on 18 November 2025 as Act A1775

Energy Commission (Amendment) Act 2025 - Gazetted on 18 November 2025 as Act A1776

Licensee Supply (Amendment) Regulations 2025 - Gazetted as P.U.(A) 335/2025 on 12 September 2025 and came into force on 1 October 2025

Gas Supply (Amendment) Regulations 2025 - Gazetted as P.U.(A) 461/2025 on 26 December 2025 and came into force on 31 December 2025

Certificates of Competency

Electrical **7,354**

Gas **41**

ST-ECE

Launched on 6 December 2025

Strengthening workforce competencies in electricity and piped gas industry



Guidelines

- ✓ Guidelines on Electric Vehicle Charging System



Electrical Licensing

1,613 licences
Newly Approved

6,757 licences
Total Operational

Gas Licensing

44 TPA licences

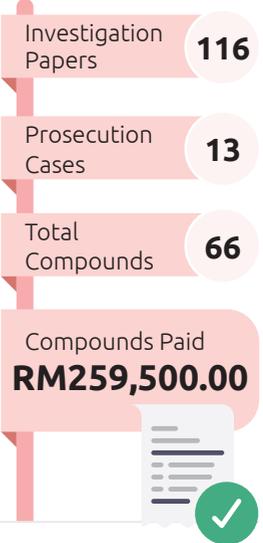
5,610 Private Gas Licences

760 Retail Licences



ST upholds safety across the energy sector through comprehensive standards, continuous monitoring, and active enforcement

Enforcement



Electrical Accidents



Piped Gas Accidents



Electrical Accidents

- Main Cause – Improper installation/maintenance
- Main Location – Utility installation

Installed Capacity Mix*

[2025 / 2024]

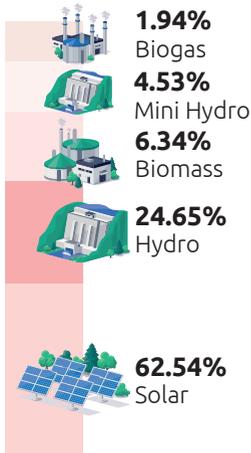


*Transmission connected

Energy Mix



RE Installed Capacity*



*All licensed installation

Reserve Margin



SAIDI Electricity



Gas Supply Through Pipelines



Average Natural Gas Supply Consumption

Power Sector: 856 mmscfd
Non-power Sector: 1,300 mmscfd

ST ensures energy security and reliability through effective regulatory oversight and robust system planning

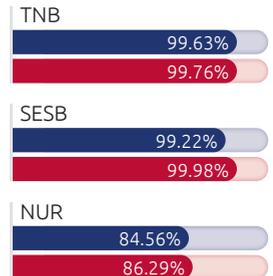
TPA - Gas Network

- ✓ Guide on Development of Regasification Terminal in Peninsular Malaysia.
- ✓ Enhancement of Access Arrangement for RGT Sungai Udang.

TPA - Electricity Network

- ✓ Introduction of CREAM and CRESS represents a significant shift in opening Malaysia's electricity market.
- ✓ Positioning the sector towards a more competitive and market-driven energy landscape.

GSL & MSL



■ GSL ■ MSL

GSL - Guaranteed Service Levels
MSL - Minimum Service Levels

SAIDI Gas Supply System for Non-Energy

2025: 0.00 minutes/customer
2024: 7.5348 minutes/customer

Average Coal Price

USD103.24/MT equivalent to **RM20.54/MMBtu**



Average Gas Price

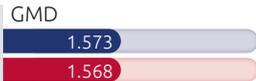
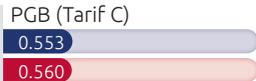
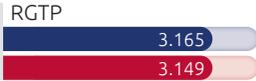
T1 Tier 1:
RM 34.14/MMBtu

T2 Tier 2:
RM 44.76/MMBtu

T1 T2
Average both:
RM 39.45/MMBtu

Gas Facility Tariff

(RM/GJ/day)



■ Base Tariff RP2 (2023-2025)
■ Allowed Tariff 2025

RM2,387.03 million

from KWIE Fund for ICPT implementation adjustment from 1 Jan-30 June 2025

ST safeguards consumer interests by ensuring fair and transparent tariffs, while supporting a sustainable energy sector

Electricity Tariff Reform

Consumer Category

- Domestic
- Non-Domestic
- ⚡ Low Voltage
- ⚡ Medium Voltage
- ⚡ High Voltage
- Others

Type of Charges

- ⚡ Energy Charge
- ⚡ Capacity Charge
- ⚡ Network Charge
- ⚡ Retail Charge

Revised ToU Scheme

- Monday-Friday
Peak: 2pm-10pm
Off-peak: 10pm-2pm
- Weekends & PH
Off-peak: 12pm-12pm

Energy Efficiency Incentive (EEI)

- Domestic consumers using 1,000 kWh and below
- Low-voltage consumers using 200 kWh and below

Complaints Management



Total: **1,524** Resolved: **1,479**

AFA (July-Dec)



Aug -	1.45 sen/kWh (Rebate)	Nov -	8.91 sen/kWh (Rebate)
Sept -	1.10 sen/kWh (Rebate)	Dec -	6.42 sen/kWh (Rebate)
Oct -	6.50 sen/kWh (Rebate)		

Energy Efficiency and Conservation Act (EECA) 2024

220 Notification of Submission for Energy Consumption or Energy Source Data Under EECA 2024 Notice issued

211 Submission of Information for the Determination of Buildings Subject to EECA 2024 Notice issued

Registered Energy Manager - 2,090

3,081 Certificate of Energy Efficiency (COE) issued as follows:



Registered Energy Auditor - 83

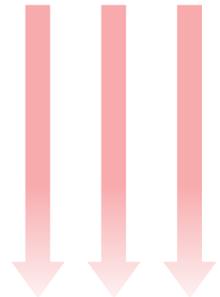
Energy Savings (Under NEEAP)



ST promotes energy efficiency through regulations and initiatives that encourage efficient energy use

Carbon Reduction (Under NEEAP)

2016–2025



35,618.31
ktCO₂

EE Challenge

2014–2025 accumulated savings

1,701,055 kWh
RM900,841
1,316 tonne CO₂

Carbon avoidance

Winner of EE Challenge 2025

SMK Hang Kasturi, Melaka



LSS



LSS PETRA
1,920 MW

LSS PETRA 5+
12 ground-mounted projects
and 1 floating solar, involving
a total capacity of **1,975 MW**

BESS

Awarded for **four** projects,
each with capacity of

**100MW/
400MWh**



ENEGEM

438 GWh

Cumulative
energy
exchange

30 MW

Average
daily
transaction

63%

Interconnection
capacity
usage

**161.36
GWh**

Make-up
energy
billed

NEM



End on 30 June 2025

Rooftop solar
installations continue
through the Solar for
Self-Consumption
(SELCO) Programme

CGPP

29 Registered
Applicants
Total Capacity
746.60 MW

One (1) was
operational on 19
November 2025 with
a capacity of
11.8 MW



GET



Quota traded:
6,600 GWh

Total quota subscribed:
3,933 GWh (60%)

**ST facilitates the
energy transition
through market
regulatory
frameworks
and initiatives
that support
a progressive
energy landscape**

NEDA

20.30 sen/kWh
Average SMP



A total of **11 generators**
registered with a combined
capacity of 301.77 MW

CRESS

System Access Charge (SAC)



20 sen/kWh
for firm supply



40 sen/kWh
for non-firm supply

Guidelines for Corporate
Renewable Energy Supply
Scheme published

CREAM

CAC rate reduced to
9 sen/kWh
(40% down from previous rate)

Guidelines for
Community Renewable
Energy Aggregation
Mechanism published

Solar ATAP

Announced 31
December 2026 to
replace NEM scheme

Guidelines for Solar
Accelerated Transition
Action published



ASEAN Energy Regulators Network (AERN)

- Served as Chair of AERN 2025
- Providing strategic leadership to ASEAN energy regulators

ASEAN Summer School for Energy Regulators



Malaysia through ST leads the ASEAN School of Regulation (ASR) programme

Bringing together 35 mid-level regulators from across ASEAN

Focus areas:

- Power Trade
- Market Integration
- RE
- Regulatory Harmonisation

Implemented with ETP, UN ESCAP, UNOPS, Florence School of Regulation, with support from ASEAN Secretariat & ACE

MyEnergyStats

One-stop centre for statistics and information on energy

Interactive visualisations, dynamic maps and analytical dashboards

Available at myenergystats.st.gov.my and mobile application



Total registered users

343,000

ST strengthens institutional credibility through enhanced regulatory practices, stakeholder engagement, and operational improvement

Energy Regulatory Review (ERI) 2025



Held on 8 December 2025.

Inaugural edition of annual forum.

Exchange knowledge, strengthen partnerships, and drive meaningful progress in the nation's energy transition.



Mini Karnival

Provides direct public awareness on the importance of electrical and piped gas safety as well as energy efficiency.

Delivers engagement through pocket talks, quizzes, interactive exhibitions and community activities.



Malaysia Energy Literacy Programme (MELP)

Aims to educate Malaysians on understanding the importance of energy and their role in managing energy.

Key initiatives:

- MELP Website
- Strategic partnership with DELIMa, KPM, EE Challenge 2025 and Bahas Piala Perdana Menteri

2026 OUTLOOK



Steady growth of energy demand along with expanding energy efficiency and conservation measures:

- Electricity demand primarily driven by warmer weather and commercial sector growth, i.e. new data centre in operation
- Gas demand underpinned by power generation with moderate increases in industrial consumption



Increasingly challenging energy supply landscape:

- RE generation continues to grow nevertheless low rainfalls suppress hydropower capacities
- Fossil fuels remain the largest composition of energy mix as the supply of imported natural gas and coal continues to be stable providing energy security
- Performance of thermal, hydro and LSS power plants closely monitored to ensure system resilience
- Future power development for both dispatchable (thermal and energy storage) and non-dispatchable (i.e. solar) generation will continue in tandem with a long-term energy resilience review



Cost of energy likely to increase:

- Natural gas and coal prices are linked to energy market indices which are under pressure from the global supply disruption caused by the Middle East crises
- Electricity and gas energy rate adjustments in tariff will be made on periodic basis based on cost to supply
- The Energy Efficiency Incentive (Insentif Cekap Tenaga) for residential consumers will remain on a reducing scale for consumption of up to 1,000 kWh and remain neutral for consumption of up to 600 kWh. The incentive also applies to low-voltage non-domestic consumers for consumption of up to 200 kWh. These measures will help mitigate some energy inflationary impact



Several legal and regulatory frameworks under development/in review, among others:

- Incentive-Based Regulation mechanism for RP5 (2028+)
- Electricity cross border trading, import and export
- Open Grid Access/TPA via CRESS and CREAM
- Public electricity distribution within dedicated area
- Electricity supply regulation [Act 447], particularly on enforcement provisions
- Technical standards for quality and safety



ST's Transformation to focus on enhancing institutional governance and regulatory performance:

- Strengthen integrity policies and procedures
- Improved stakeholder education and awareness on application processes
- Increasing structured consultation and engagement balancing consumer protection with industry incentives
- Promoting energy industry competency and capability development



Suruhanjaya Tenaga *(Energy Commission)*

No. 12, Jalan Tun Hussein, Precinct 2,
62100 Putrajaya, Malaysia.

 (603) 8870 8500

 (603) 8888 8637

 www.st.gov.my