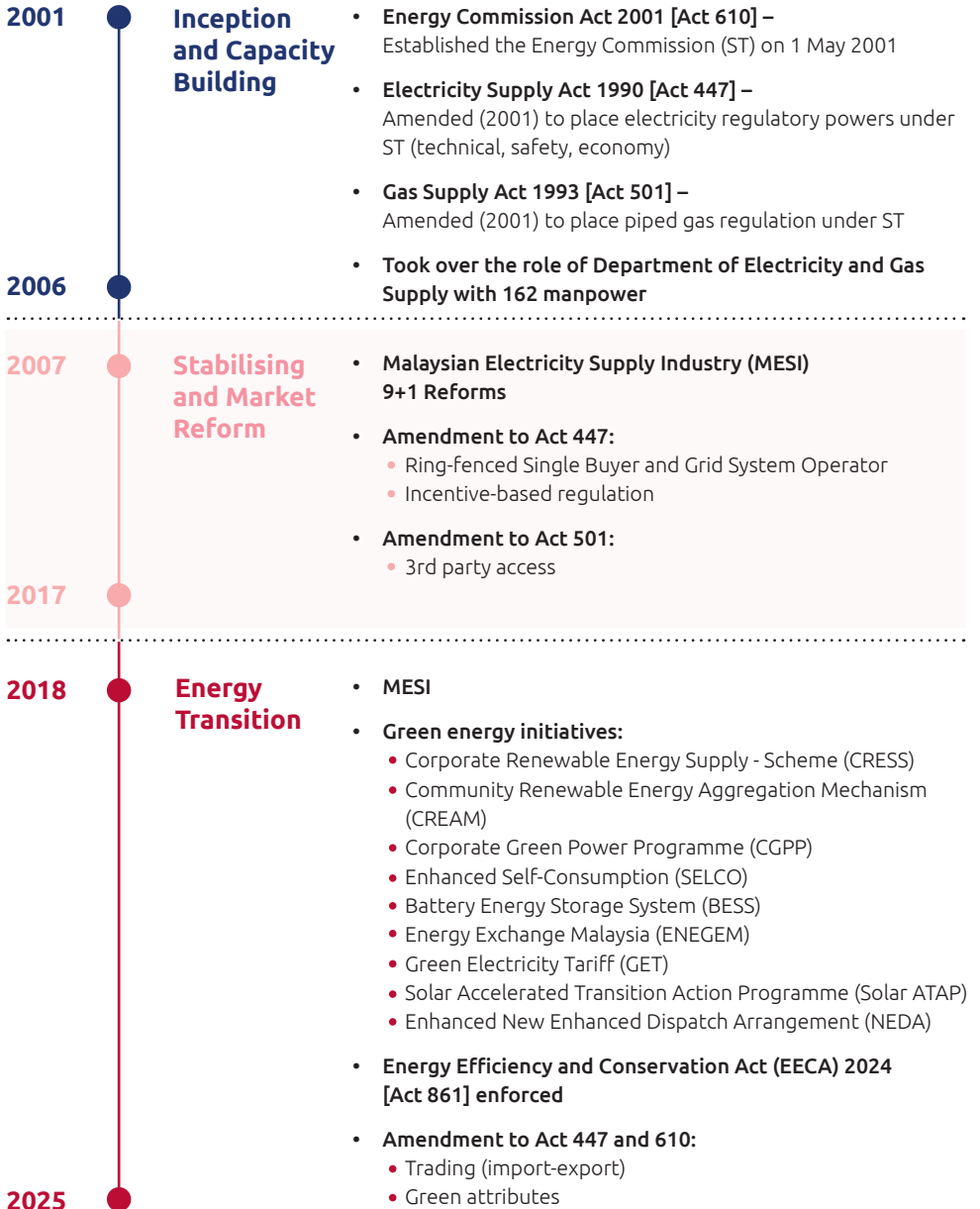


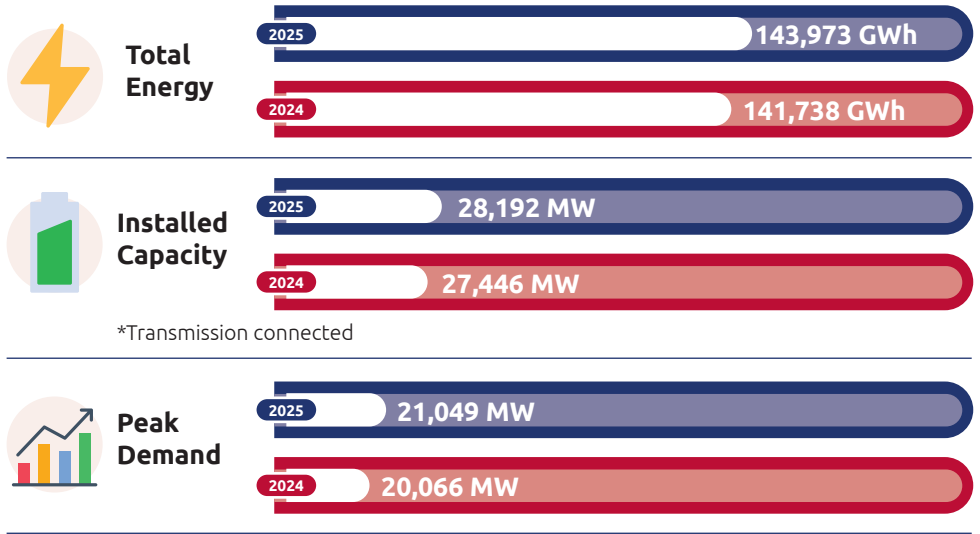
# **Suruhanjaya Tenaga** **Annual Regulatory Review** **2026**

# 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

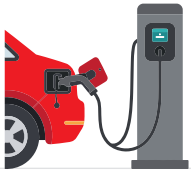
Launched on 6 December 2025

Strengthening workforce competencies in electricity and piped gas industry



### Guidelines

- ✓ Guidelines on Electric Vehicle Charging System



### Electrical Licensing

**1,613** licences  
*Newly Approved*

**6,752** licences  
*Operational*

### Gas Licensing

**44** TPA licences

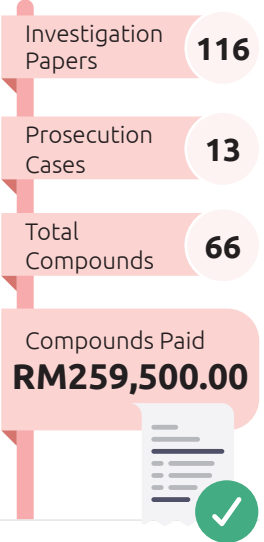
**5,610** Private Gas Licences

**760** Retail Licences



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

### Enforcement



### Electrical Accidents



### Piped Gas Accidents

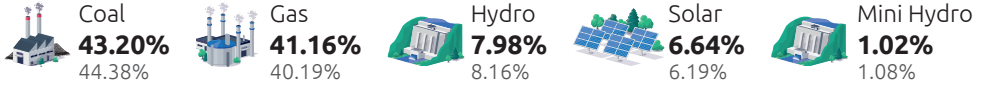


### Electrical Accidents

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

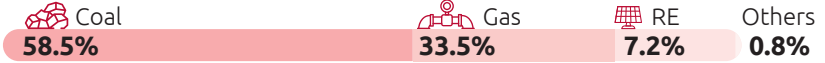
## Installed Capacity Mix\*

[2025 / 2024]

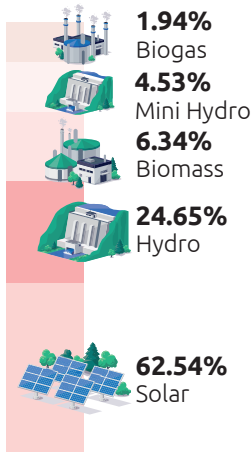


\*Transmission connected

## Energy Mix

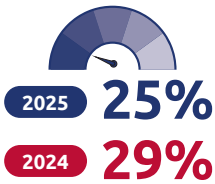


## RE Installed Capacity\*

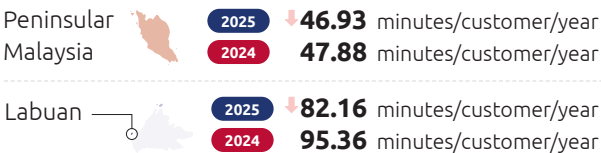


\*All licensed installation

## 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**

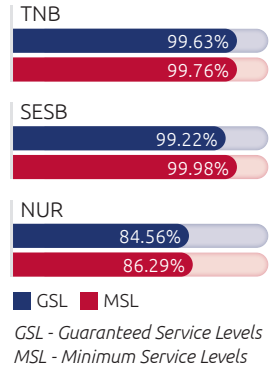
## TPA - Gas Network

- ✓ 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



## SAIDI Gas Supply System for Non-Energy



## Average Coal Price

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



## Average Gas Price

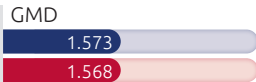
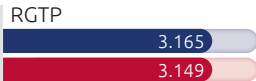
**T1** Tier 1:  
**RM 34.14/MMBtu**

**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)

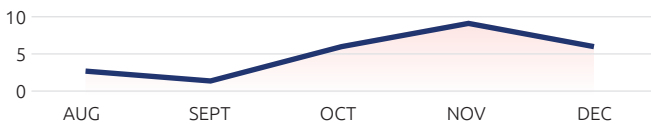
- Domestic consumers using 1,000 kWh and below
- Low-voltage consumers using 200 kWh and below

## 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

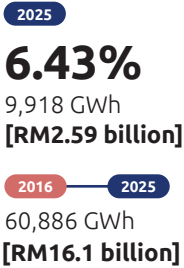
! Registered Energy Manager - 2,090

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



! Registered Energy Auditor - 83

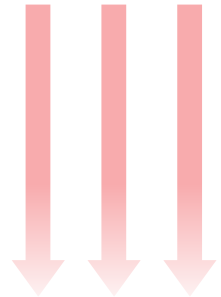
### Energy Savings (Under NEEAP)



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

### Carbon Reduction (Under NEEAP)

2016–2025



**35,618.31**  
**ktCO<sub>2</sub>**

### EE Challenge

2014–2025 accumulated savings

**1,701,055 kWh**

**RM900,841**

**1,316 tonne CO<sub>2</sub>**

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**



## ENESEM

**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

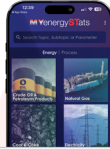
Implemented with ETP, UN ESCAP, UNOPS, Florence School of Regulation, with support from ASEAN Secretariat & ACE

## MyEnergyStats

One-stop centre for statistics and information on energy

Interactive visualisations, dynamic maps and analytical dashboards

Available at [myenergystats.st.gov.my](http://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



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