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## Energy savings of RM10.5b achieved

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**KUALA LUMPUR:** Cumulative energy savings to date under the National Energy Efficiency Action Plan is 39,382 GWh, equivalent to RM10.5 billion, according to the Energy Transition and Water Transformation Ministry.

The ministry said as of December 2023, the annual energy savings rate that has been achieved is 5.9%, or 8,667 GWh, which is worth more than RM2.1 billion.

It said energy users, including data centre operators, who use electricity equivalent to or exceeding three million kilowatt hours in six consecutive months are subject to the Efficient Management of Electrical Energy Regulations (EMEER) 2008.

"To date, there are 22 data centres regulated under EMEER, of which 20 are located in Selangor and Kuala Lumpur, one in Penang and one in Johor Bahru," the said ministry in a written statement.

It added that the Malaysian Communications and Multimedia Commission, as the regulatory agency related to data centres, is developing a

technical code regarding green data centre specifications.

The code addresses energy usage to improve energy efficiency in data centres and at the same time reduce carbon emissions from the sub-sector.

Meanwhile, the ministry is also finalising the Energy Efficiency and Conservation Bill to strengthen the legal framework related to energy efficiency.

"When this Act is enforced on the industrial, commercial and residential sectors, including data centres later, the government expects national energy consumption savings until 2050 to reach 2,017 million Gigajoules, equivalent to RM97.1 billion, with a reduction in carbon emissions of 197,877 kilotonnes."

To ensure the projected electricity supply margin reserve is always at least at the minimum level of 25% due to the entry of data centres into the country, the Planning and Implementation Committee for Electricity Supply and Tariff on May 24 had approved the Peninsular Malaysia

Electricity Supply Development Plan 2024-2050 to ensure the security of electricity supply could be met.

As an immediate mitigation plan, several power plants will have their operating periods extended to ensure the security of electricity supply.

"For the long term, additional new generation capacity of 700MW in 2030 and 2.8GW between 2031 to 2034 has been planned under the Peninsular Malaysia Electricity Supply Development Plan 2024-2050."

On the water reserve margin, the ministry said the National Water Services Commission recommends a comfortable reserve margin of between 10% and 15%.

In 2023, the average reserve margin of treated water for Peninsular Malaysia and the Federal Territory of Labuan was 14.7%.

"Based on this record, the reserve margin for treated water supply remains stable to support increased data centre investments in the country." – Bernama