

The 33rd "Clean Coal Day in Japan" International Symposium (2024)

Carbon Neutrality Policy Updates of Malaysia 2nd September 2024

By Dato' Ir. Ts. Abdul Razib bin Dawood

Chief Executive Officer Energy Commission / ASEAN Forum on Coal Chairman

HISTORY OF THE ESTABLISHMENT OF ENERGY COMMISION



CHALLENGES: ENERGY TRILEMMA PERSPECTIVE



ENERGY SECURITY – management of ٠ primary energy supply from domestic and external sources, reliability of energy infrastructure, ability to meet current and future **demand**

ECONOMIC EQUITY AND • **SUSTAINABILITY** – a FAIR tariff framework across all consumer groups ensuring equal access (affordability) and long-term fiscal sustainability (weaning off subsidies)

ENVIRONMENTAL SUSTAINABILITY

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reduction in energy and CO2 intensity, transition to **renewable** and low-carbon energy sources



CARBON EMISSION INTENSITY

Pen. Malaysia Power Sector Carbon Emission Intensity of GDP 2021-2035 Projection (kgCO₂/RM)



• The GDP projections are based on a moderate recovery scenario of the Malaysian economy (range from 5.7% - 4.0% in 2021-2035) following the COVID-19 pandemic.



RENEWABLE ENERGY POLICY AT A GLANCE



Suruhanjaya Tenaga Energy Commission

RENEWABLE ENERGY INITIATIVES IN PENINSULAR MALAYSIA



Suruhanjaya Tenaga Energy Commission

The 4 Guiding Principles of NETR

NATIONAL ENERGY TRANSITION ROADMAP (NETR)





Prioritisation criteria

Emission reduction potential

Advancing green growth and enhancing sustainability to become a low-carbon nation while addressing energy trilemma.

- **Economic opportunities** Propelling strategic and high impact industries, especially for SMEs, strengthening investments and create job opportunities.
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Cost effectiveness

Promoting investments, especially in nascent technologies to yield long-term benefits.

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Social inclusiveness

Strengthening the security, wellbeing and inclusivity through clean energy sources that would benefit communities without compromising future generations.



CAPACITY MIX PROJECTION BY 2050



- Coal-fired power plant to be phased out by 2045 with no new development of coal-fired power plant
- Gas is expected to act as a lower-carbon transition fuel to replace coal as source of fuel for baseload power
- 70% RE share of installed capacity by 2050 will be predominantly driven by solar PV installation
- Implement physical and regulatory enablers to accommodate higher VRE



GREEN TECHNOLOGY INCENTIVES: PROMOTING GREEN INVESTMENT

GITA PROJECT (BUSINESS PURPOSES)

GITE

Green Hydrogen

LER.

Investment Tax Allowance (ITA) of 100% for eligible qualifying capital expenditure (CAPEX) incurred up to 10 years (5+5).

Offset against 100% or 70% of Statutory Income 10 years (5+5). Integrated Waste Management (IWM) & EV Charging Station

Investment Tax Allowance (ITA) of 100% for eligible qualifying capital expenditure (CAPEX) incurred for 5 years from the date 1st qualifying CAPEX incurred.

Offset against 100% of Statutory Income Renewable Energy (Business Purposes)



Investment Tax Allowance (ITA) of 100% for eligible qualifying capital expenditure (CAPEX) incurred for 5 years from the date 1 st qualifying CAPEX incurred.

Offset against 70% of Statutory Income **Solar Leasing**

Income Tax Exemption (ITE) of 70% statutory income for solar leasing activity for a period of up to 10 years of assessment. The incentive period shall commence from the date of 1st invoice issued.

Capacity (MW)	Incentive Period
>3MW- ≤10MW	5 years
>10MW- ≤30MW	10 years



For further information please contact Malaysian Investment Development Authority (MIDA)

GREEN TECHNOLOGY INCENTIVES: PROMOTING GREEN INVESTMENT

SolaRIS Features

- One time cash rebate : RM1,000/kWac up to a maximum of RM4,000 for NEM Rakyat customers who apply and obtain approval from 1 April 2024 onwards.
 *Subject to the terms and conditions of the SolaRIS programme.
- Rebate allocation is on a first come, first served basis from 1 April until 31 December 2024 and successfully commission their solar PV system installations by 31 March 2025, or until all SolaRIS rebate quotas are fully distributed, whichever comes first.
- The rebate will be transferred to the preferred local bank account under the registered TNB customer after receiving an email from TNB for SolaRIS application.



Solar For Rakyat Incentive Scheme



SolaRIS Eligibility



Successful first time NEM Rakyat applicants from 1 April 2024 onwards



Malaysian citizens





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> THANK YOU! TERIMA KASIH! ありがとう!

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