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# TRANSFORMING THE ENERGY AND WATER SECTORS

The Star, Malaysia



## TRANSFORMING THE ENERGY AND WATER SECTORS

Petra is committed to ensuring sustainable and innovative management

MOST Malaysians understand and appreciate the complexity of supplying and managing the water or energy resources that empower the nation.

The country's Energy Transition and Water Transformation Ministry (Petra) mobilises the sectors for both energy and water in Malaysia.

The Ministry has been committed towards its vision of leading the governance of sustainable and inclusive electricity and water supply to ensure the well-being of the nation.

It is also focused on implementing water transformation to the sector in order to ensure a safe water supply for the people through the adoption of smart technology and digitalisation.

Water transformation refers to the management of rivers, floods and sewage, as well as seasonal floods to ensure that consumers get a clean supply.

This process ensures a sustainable national water resource and drives Malaysia as a dynamic water hub that contributes to economic development, creates new job opportunities, and facilitates R&D, innovation and commercialisation.

In doing so, Petra plays a vital role in empowering water governance at the federal, state and local government levels towards integrated water management.

To transform water towards more efficient water manage-

ment requires an integrated information system that allows cooperation with state governments.

This is essential to protect water security and ecosystem sustainability for a better future.

It sustainably manages water resources, supplies and sewerage services, not only to guarantee availability of this valuable resource for humans and the ecosystem, but also to ensure the rakyat's safety when flood disasters occur.

Such implementations include the Flood Mitigation Programme, National Flood Forecast and Warning Programme, the National River Trail Programme, the River Conservation and Cleaning Programme, the National NRW Reduction Programme, the Riverside Water Reservoir (TAPS) Production of Reclaimed Water, and the comprehensive water tariff adjustment of IWK's sewerage charge rebate.

Under Petra are 10 agencies that play different yet crucial roles in the management of the nation's energy and water resources, ensuring their efficient and sustainable use.

These include the National Water Services Commission, which oversees the nation's water supply industry, as well as the Drainage and Irrigation Department, which protects and manages water resources for eco-

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It oversees and conducts research on water-related issues via the National Water Research Institute of Malaysia and handles the distribution of water supply under the Water Supply Division, while its Water Asset Management Berhad manages water assets within the country.

It also oversees sewerage services in urban areas through the Sewerage Services Department as well as Indah Water Konsortium, which manages and operates the country's sewerage services.

Petra also manages the formulation of new energy transition policies for the people, industry and the country, as well as ensuring that electric generation is

managed in a sustainable and equitable manner, so that the safety and well-being of the rakyat is guaranteed.

These include the People's Solar Transition (Solar@PETRA) initiative, the Solar For Rakyat Incentive Scheme (Solaris), the Renewable Energy Division (TBB), the Malaysia Renewable Energy Roadmap (MyRER), the National Energy Transition Roadmap (NETR), the National Energy Policy (DTN) and the Imbalance Cost Pass-Through (ICPT) mechanism.

The Energy Commission regulates electricity supply industry in Malaysia, while its Sustainable Energy Development Authority promotes the development of renewable energy in Malaysia.

Another division in the energy sector is MyPower, which over-

sees the reform of the power and electricity sector in Malaysia.

It adheres to the net-zero carbon policy by 2050 and has implemented several initiatives that align with four of the six Madani pillars, which are assurance, safety, sustainability and well-being.

Through these pillars, Petra aims to:

- > ensure the continuous and consistent supply of energy and water for the nation
- > assure supply of quality and clean water and the efficient and safe use of energy
- > empower the management and regulation of sustainable and inclusive energy and water supply
- > improve people's well-being with access to reliable energy supply and clean water supply.