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29 MAY, 2023

Malaysia's potential in RE transition

The Malaysian Reserve, Malaysia



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One of TNB's LSS solar farm at Bukit Selambau. Malaysia has a high level of solar irradiation, making it an ideal location for solar power ge

by AUFA MARDHIAH

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Zelina says efficiency, reduction and elimination within the use cycle is the correct approach in phasing out fossil fuel

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Between 2012 and 2020, solar energy enisoten by 2050, says Mohd Zamd' enisoten by 2050, asys Mohd Zamd' and 2020, solar energy increased due to her apid expansion of solar hotovoltaic (P/) systems in the country's aggregation of the solar and the sola

Efforts Taken to Mitigate Climate Change After years of discussing mitigating climate change — such as at the yearly conference of planet (COP) meeting as well as guidelines which have been set in place like the Paris Agreement — what changes are we seeing? Zelina said despite the Intergovernmen-tal Panel on Climate Change (IPCC) reports

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which aims to tower as a to net zero. "TRB will continue to invest in the Grid of the Future while simultaneously pursuing a Regional Interconnection that will allow for a greater reallocation of RE resources, helping to decarbonise the Asean power system and increase supply security." TNB added.

Phasing Out Fossil Fuel

Phasing Out Fossil Fuel On the other hand, Universiti Tenaga Nasional (Uniten) deputy VC of Research and Innovation Prof Datuk Dr Mohd Zamri Yusoff said Malaysia and all major players in the energy sector have committed to achieving net-zero emissions by 2050.

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For floating solar, TNB made use of its ash pool at Sultan Azlan Shah Power Station to construct its pilot floating solar plant with an installed capacity of 105.12kW

Total final energy consumption in Malaysia, by sector, 2010 to 2019



GHG emissions under different scenarios and the emissions gap in 2030 (median estimate and tenth to ninetieth percentile range) GtCO¹e



2025

(supportive policy measures)," he added. Moreover, Unicen Institute of Energy Policy and Research (IEPRe) director, Dr Nora Yusma Mohamed Vissop said Prime Minister (PM) Datuk Seri Anwar Ibrahim's recent announce-ment regarding the withdrawal of petrol and electricity subsidy for the top 20% income group (T20) is a serious indication that the government is looking into RE transition.

Net-zero by 2050

Net-zero by 2050 Meanwhile, Petroliam Nasional Bhd (Petro-nas) aspires to achieve net-zero carbon emis-sions by 2050 via an energy transition pabway. It is believed that energy development and transition must strike a balance between energy security, affordability and sustainability. "Petronas will produce energy from its core portfolio and cleaner energy solutions as differentiated products that are aimed to be safe, reliable, cost-optimised and emis-sions abated. "We will focus on reducine our entreform

sions abated. "We will focus on reducing our emissions by minimising flaring and venting from our operations. We will also continue investing in technology and innovation to ensure that we can scale up and accelerate the deployment of lower-carbon solutions for our customers," it said to TMR. Pertronas will also nursue carbon canture

In scale up and accelerate the depoyment, it oliver carbon solutions for our customers, it all to TM2. We can solve the solve the conservation of the solve the solve the solve the solve out on the solve the

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