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TNB ENERGY TRANSITION JOURNEY

The Edge, Malaysia



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Decarbonisation

- Co-firing of hydrogen and ammonia in thermal power plants
- Early retirement of coal plant (1,400MW Kapar Energy Ventures)
- CCS implementation at thermal power plants
- Emissions intensity reduction of 35% by 2035
- Reduction of coal capacity of 50% by 2035



RE expansion in Malaysia and overseas

- LSS in Malaysia with 130MW total capacity by end-2023
- 25 large hydropower plants in Malaysia
- 950.75MW upcoming hydro capacity (Nenggiri and Sungai Perak)
- 530MW RE capacity in the UK
- Other renewable energy assets in Türkiye and India
- 2025 RE capacity target: 8,300MW



Grid of the Future

- Regional interconnection to Singapore, followed by Indonesia and Thailand
- Battery energy storage system (BESS) pilots
- RM90 billion for grid-related investments (2024-2030)
- Smart meter installation for nine million consumers
- Asean Power Grid for RE import/export



Green mobility

- RM90 million in three years to support BEV ecosystem
- 3,300 charging points by 2025
- 18,000 charging points by 2030
- Electrification of TNB fleet