

# ENERGY SECTOR, REGULATORY & POLICY: ARE WE READY?

### TENAGA NASIONAL BERHAD, MALAYSIA

4<sup>th</sup> National Energy Forum Sheraton Imperial Hotel, Kuala Lumpur

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# **Evolution of Malaysian Electricity Supply Industry (MESI)**



## Weekly Peak Demand and Trough





# FINDING AN OPTIMAL BALANCE



Four differing elements creating a labyrinth of complexity, requiring a delicate balance to adequately achieve a state of optimal equilibrium for sustainability, security and stability



## **POWER SECTOR CARRIES THE BURDEN OF EMISSION CONTROL**



...because we are highly dependent on fossil fuels for electricity generation

...like it or not, fossil fuels will remain as the dominant sources of energy for decades to come...



# Climate Change & the Environment





# **GRADUAL REMOVAL OF SUBSIDIES**



# **The Case For Energy Efficiency**



## **CROSS BORDER POTENTIAL - ASEAN POWER GRID**



# WHAT ABOUT NUCLEAR POWER ?





# N.I.M.B.Y B.A.N.A.N.A















Villagers protesting the 275kV Bkt Tarek – Chubadak which passes through Kg Sg Terentang, Rawang

## **IBR Is A Form Of Economic Regulation**



#### What is Economic Regulation/IBR?

- Form of government intervention to address inefficiencies arising from monopolistic markets e.g. natural monopoly sectors of electricity transmission and distribution
- A substitute for competition where competition is not possible



#### Aims to Ensure That:

- Customers of monopoly are protected
- Prices TNB charges will be based on efficient costs
- Quality of service and performance of the companies assets are maintained
- TNB gets the right incentives to improve their performance and increase investments on an ongoing basis

#### **Broadly three kinds of incentives**



\*\*These efficiency gains achieved are then shared with the customer

