

## UPDATES ON ELECTRICITY TARIFF REGULATION

**9 OCTOBER 2014** 

To update the stakeholders on recent developments in relation to:

- Policy on natural gas pricing for the power sector
- TNB electricity tariff revision
- Incentive-based regulation of electricity tariff
- Special Industrial Tariff Removal Plan



## POLICY FOR NATURAL GAS PRICING FOR THE POWER SECTOR

#### Regulated price of natural gas vs. market price of fuel oil since 1995



# Effective January 2014, price of natural gas supplied by Petronas is based on two-tier pricing formula



#### **Revisions of TNB Average Electricity Tariff**



#### **Components Of Jan 2014 TNB Electricity Tariff Increase**

82% of tariff increase in January 2014 is due to reduction of gas subsidy, introduction of LNG at market price and increase in coal benchmark market price





## INCENTIVE-BASED REGULATION OF ELECTRICITY TARIFF

#### Electricity Tariff Components under Incentive-based Regulation (IBR) framework



1<sup>st</sup> January 2014

#### Electricity tariff under IBR framework is made up of two components - Base Tariff and Imbalance Cost Pass-Through (ICPT)



#### **Principle for ICPT Calculation**

Cost components comprise of:

- Actual vs forecast cost of fuels & other generation costs for the preceding 6-month period; and
- Piped gas price increase of RM1.50/mmBtu for the next 6-month period

Note 1 : CAPEX = Capital expenditure 2 : OPEX = Operational expenditure

#### IBR Timeline for ICPT: Fuel and Other Generation Specific Costs



#### Average Fuel Price Trend in RM/MMBtu



#### Imbalance Cost Pass-Through (ICPT)



Note <sup>1</sup>: Other generation costs refers to RE Displaced Cost, variations in VOR, energy payment hydro, variation in capacity payment, IPP Track 2 savings, interconnection cost

#### Projected Tariff Increase based on projected LNG and Piped Gas Prices in the IBR 1<sup>st</sup> Regulatory Period, sen/kWh



Assumptions:

- 1. Coal price assumed at 87.50 USD/mt i.e. no variation in coal costs
- 2. Sales volume are extracted from the Revenue Requirement Model (JPPPET April 2012)
- 3. LNG price is assumed at RM 47.65/mmBTU as per Period 1 (Jan Jun 2014) for 1<sup>st</sup> regulatory period
- 4. Assumes no pass through for the Other Generation Specific Components in the ICPT
- 5. Period Jan Jun 2014 is based on increase in LNG price only



## **Special Industrial Tariff Removal Plan**

#### **Government Decision**



#### TIK perlu disemak semula agar selaras dengan strategi kerajaan:-

- merasionalisasi subsidi dan mengasingkan subsidi daripada penggunaan tenaga
- menggalakkan industri dan pengguna untuk mengguna tenaga secara cekap dan meminimum pembaziran
- mewujudkan industri yang lebih berdaya saing di pasaran global
- menstrukturkan semula TIK untuk menggalakkan Kecekapan Tenaga kepada pengguna melalui:
  - i. Menyemak semula kriteria kelayakan TIK
  - ii. Mengenalpasti industri yang layak menerima TIK



#### **Consultation process**



#### Gradual removal of SIT, from now till Jan 2017



Note: SIT discount rate for tariff Ds is remained until EToU is available for the category on 1 Jan 2017.



### **THANK YOU**