

# Penetapan Tarif Gas

Seminar Keselamatan dan Perundangan Gas

17 Mei 2017

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# Tariffs and charges under third party access regulatory framework

# Tariffs and charges under third party access regulatory framework

- Power to fix tariffs and charges

## LEGISLATION BEFORE ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

13. (1) A licensee may, in relation to the service of supplying gas, levy such tariffs as may be approved in writing by the Minister from time to time having regard to any condition in the licence which relates to the supply of gas in different areas and circumstances.

## LEGISLATION AFTER ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

13. (1) The Commission, with the approval of the Minister, may determine tariffs and charges to be levied, by –
- (a) a regasification, transportation or distribution licensee in respect of the utilization of their facilities for regasification, transportation or distribution of gas; and
  - (b) a retail licensee in respect of the sale or use of gas through the retail licensee's piping system to the premises of a consumer.

# Tariffs and charges under third party access regulatory framework

## - Definition of tariffs

### DEFINITION OF TARIFF BEFORE ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

Section 13(1) - Tariff refers to **gas selling price** imposed by gas utility licensee.

### DEFINITION OF TARIFF AFTER ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

Section 13(1)(a) - Tariff refers to **service price** imposed by regasification/transportation/distribution licensee to the user of the gas facility (tolling fee).

Section 13(1)(b) - Tariff refers to **gas selling price** imposed by retail licensee to the retail customers.

# Tariffs and charges under third party access regulatory framework

- Relevant licensees

## TYPE OF LICENSEE BEFORE ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

- ✓ **Gas utility licensee**  
e.g. Gas Malaysia Bhd, Sabah Energy Corp. Sdn Bhd

## TYPE OF LICENSEE AFTER ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

- ✓ **Regasification licensee**  
e.g. Regas Terminal (Sg. Udang) Sdn Bhd
- ✓ **Transportation licensee**  
e.g. Petronas Gas Bhd, Petronas Carigali Sdn Bhd
- ✓ **Distribution licensee**  
e.g. Gas Malaysia Bhd, Sabah Energy Corp. Sdn Bhd
- ✓ **Retail licensee**  
e.g. Owner of piping system at shopping complex, residential area, etc.

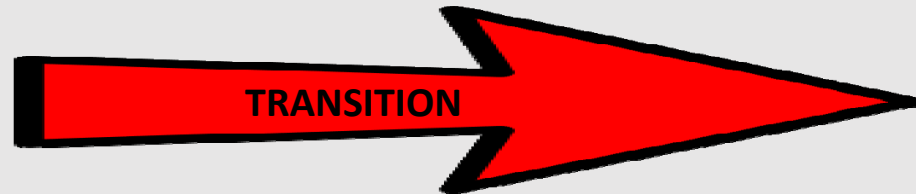
# **Main changes on gas pricing and tariff under third party access regulatory framework**

# Main changes on gas pricing and tariff under third party access regulatory framework

- Transition period

BEFORE ENFORCEMENT OF  
GAS SUPPLY (AMENDMENT)  
ACT 2016

**GMB's natural gas selling  
price is regulated**



AFTER ENFORCEMENT OF  
GAS SUPPLY (AMENDMENT)  
ACT 2016

**GMB's natural gas selling  
price will be based on  
willing buyer – willing  
seller.**

Government decisions on 21 December 2016:

- Increase of RM1.50/mmBtu every 6 months for regulated gas price (input gas cost) until “reference market price” is reached.
- GMB's gas selling prices (base tariff) in RP1 (2017-2019) have been determined.
- GCPT mechanism to be implemented every 6 months to pass-through the differential in input gas cost.

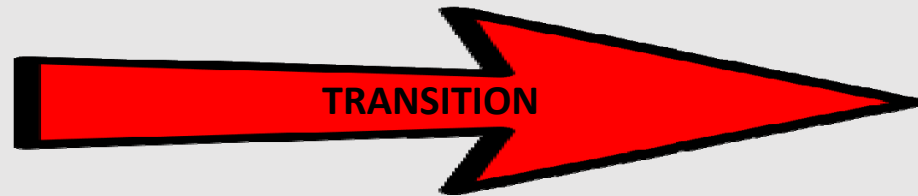


# Main changes of third party access regulatory framework on gas pricing and tariff

- Transition period

**BEFORE ENFORCEMENT OF  
GAS SUPPLY (AMENDMENT)  
ACT 2016**

**LPG selling price is  
determined by market  
(excl. GMB's low-end  
residential customers)**



- LPG selling price to be determined by retail licensee based on market force (willing buyer-willing seller)
- Retail licensee to submit monthly LPG selling price information to ST on quarterly basis.

**AFTER ENFORCEMENT OF  
GAS SUPPLY (AMENDMENT)  
ACT 2016**

**If LPG selling price is not  
reasonable, the LPG selling  
price may determined by  
ST with approval of  
Minister.**

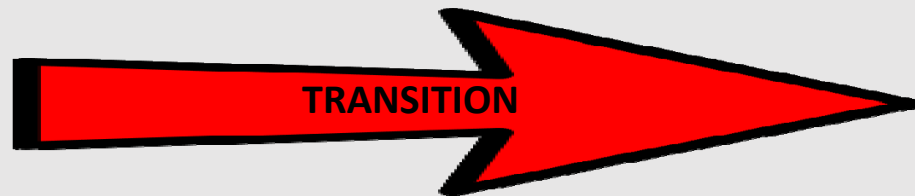
**(To protect the consumer's  
interest as the retail  
consumers do not have the  
choice to buy gas from  
other gas supplier)**

# Main changes of third party access regulatory framework on gas pricing and tariff

- Transition period

BEFORE ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

**Facility tariffs (e.g. regasification tariff, transportation tariff and distribution tariff) are determined by owner of the facility**



- Existing players have 12 months grace period to apply relevant licence.
- The existing facility tariffs to be used until further revised after relevant licence granted.

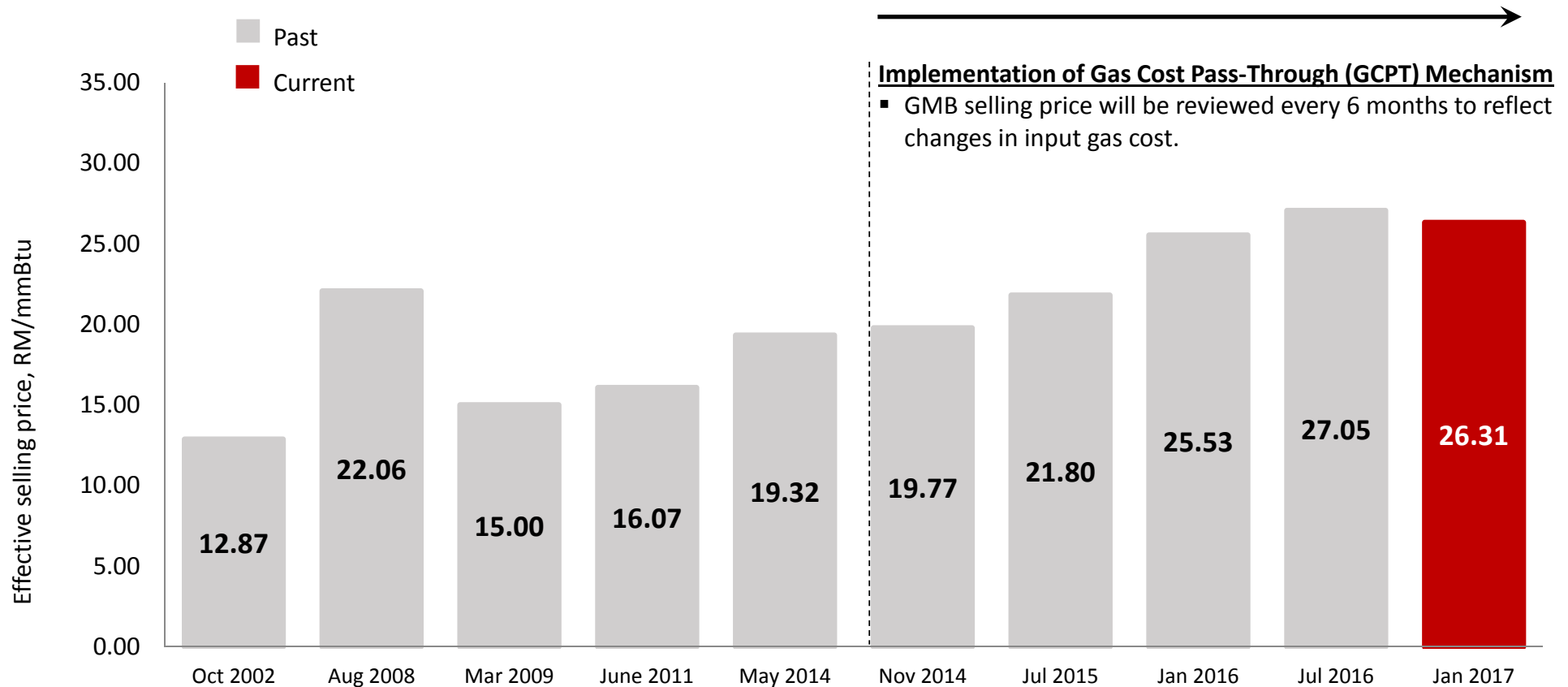
AFTER ENFORCEMENT OF GAS SUPPLY (AMENDMENT) ACT 2016

**Facility tariffs (e.g. regasification tariff, transportation tariff and distribution tariff) to be determined by ST with approval of Minister**

# Determination of existing GMB's natural gas selling price

# GMB's natural gas selling price

- Natural gas selling price is reviewed every 6 months (H1 2017- H2 2019)



# GMB's natural gas selling price

- Components in natural gas selling price

## 2 COMPONENTS

2

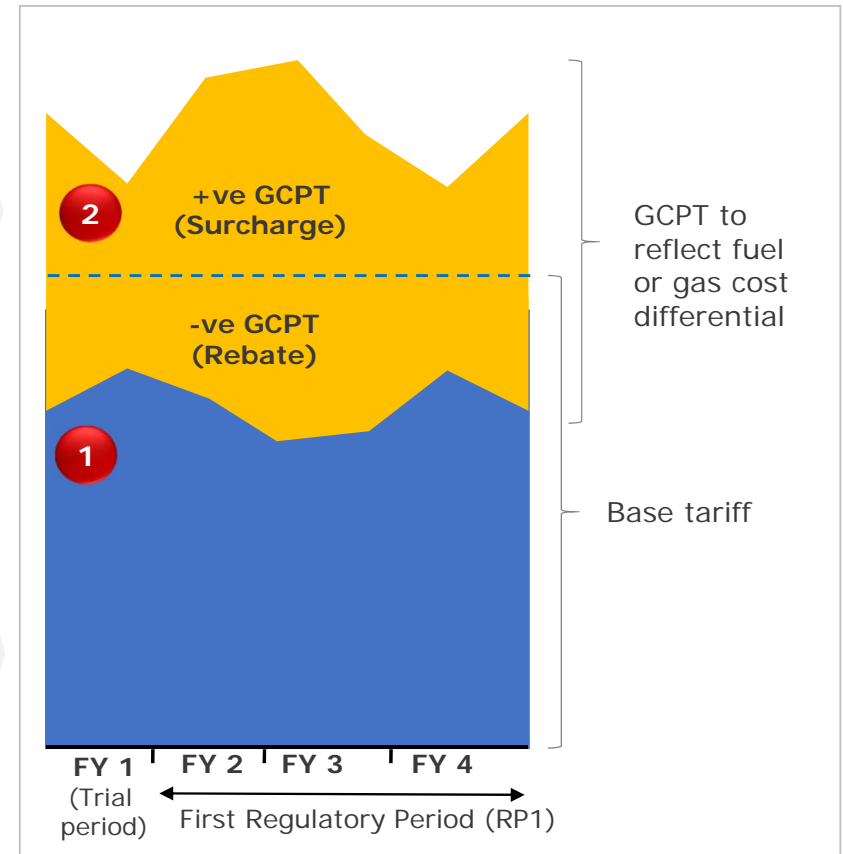
### GCPT:

- Tariff revisions made to reflect gas cost differential (between the forecast and actual gas price/volume) that is beyond the control of utility.
- GCPT to be implemented every 6 months to pass through the gas cost differential for the preceding 6-month period.

1

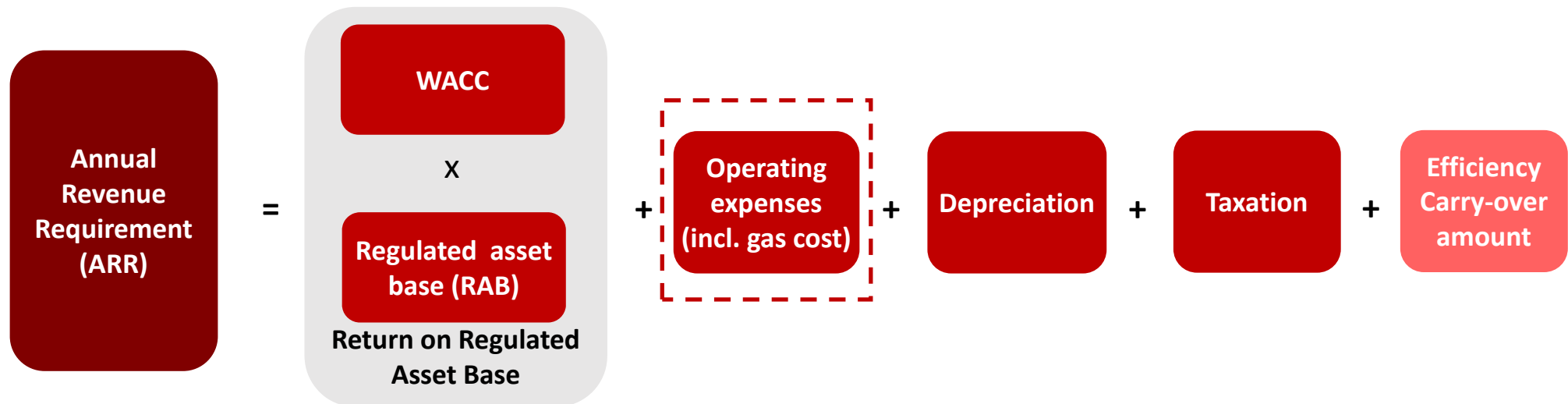
### Base tariff:

- Base tariff is to reflect forecast cost and required return on investment in carrying out gas distribution activity in a regulatory period.
- Base tariff will be reviewed in next regulatory period for changes in cost parameters.



## GMB's natural gas selling price

- **Component 1: Base tariff** is derived from annual revenue requirement's building block



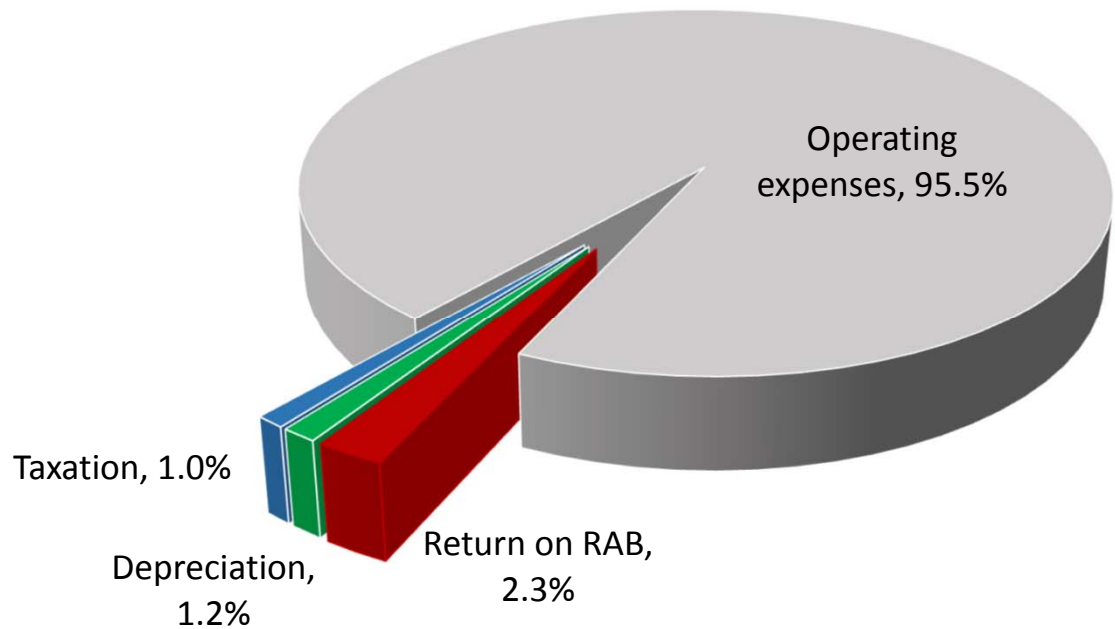
Note:

- Base tariff = ARR / Volume delivered
- WACC is weighted average cost of capital

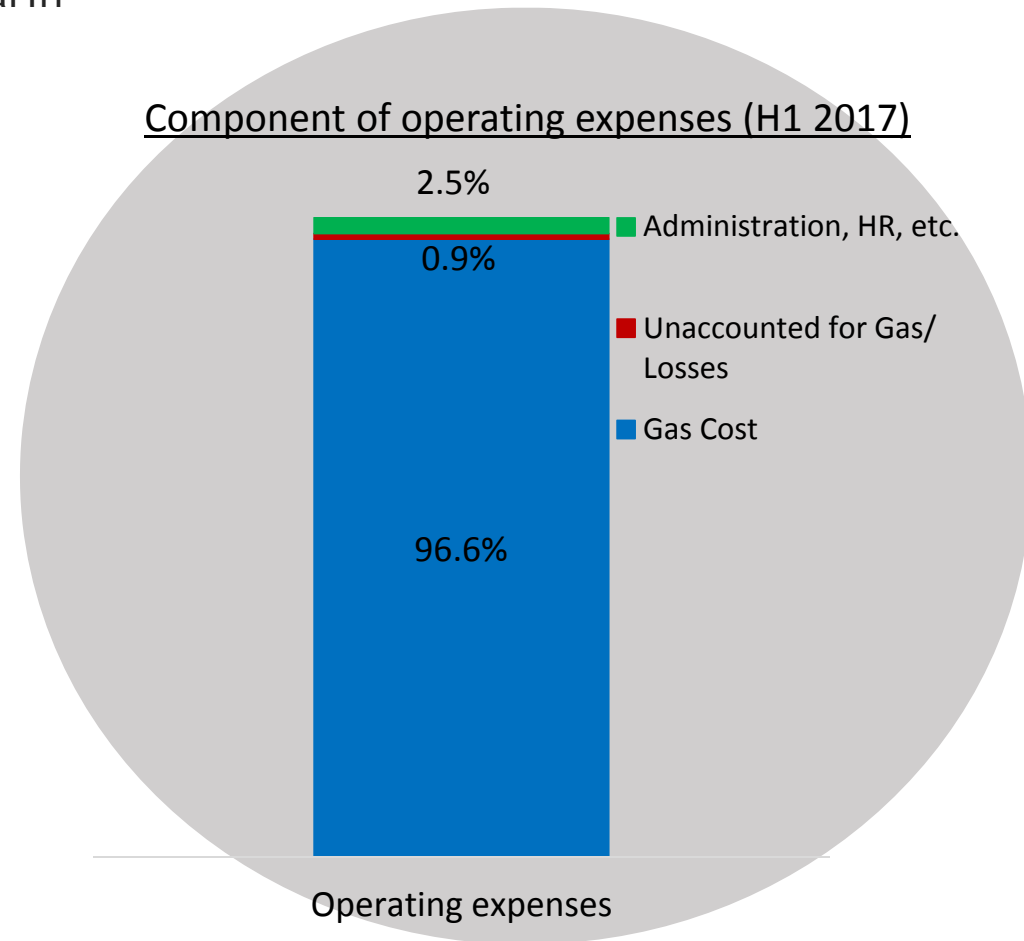
# GMB's natural gas selling price

- Gas cost is the biggest component in GMB's base tariff

Component of base tariff (H1 2017)

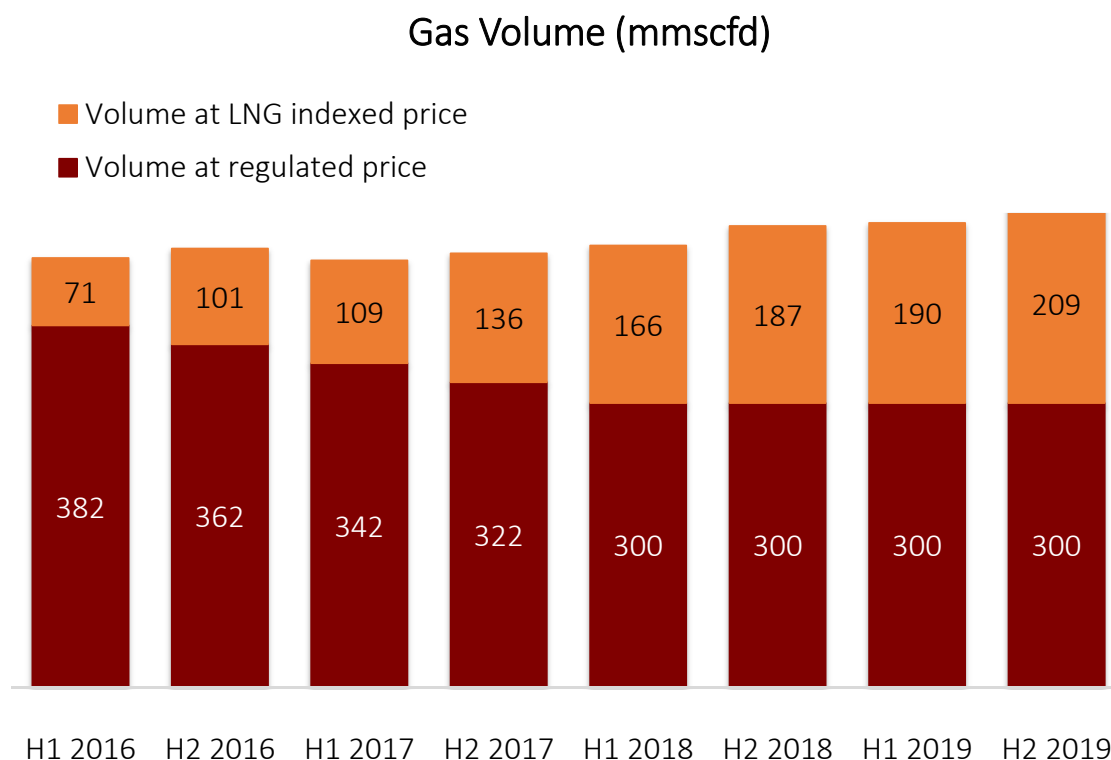


Component of operating expenses (H1 2017)



# GMB's natural gas selling price

- Regulated and LNG indexed prices in Gas Cost (Weighted average gas cost)



## LNG indexed price

- Linked to weighted average Malaysia's LNG export price ex-Bintulu with discount and delivery cost
- Fluctuate every month
- Price for Apr 2017 -  
Projected: RM29.15/mmBtu  
Actual- RM33.22/mmBtu

*Differential to be passed through in the next review period (GCPT)*

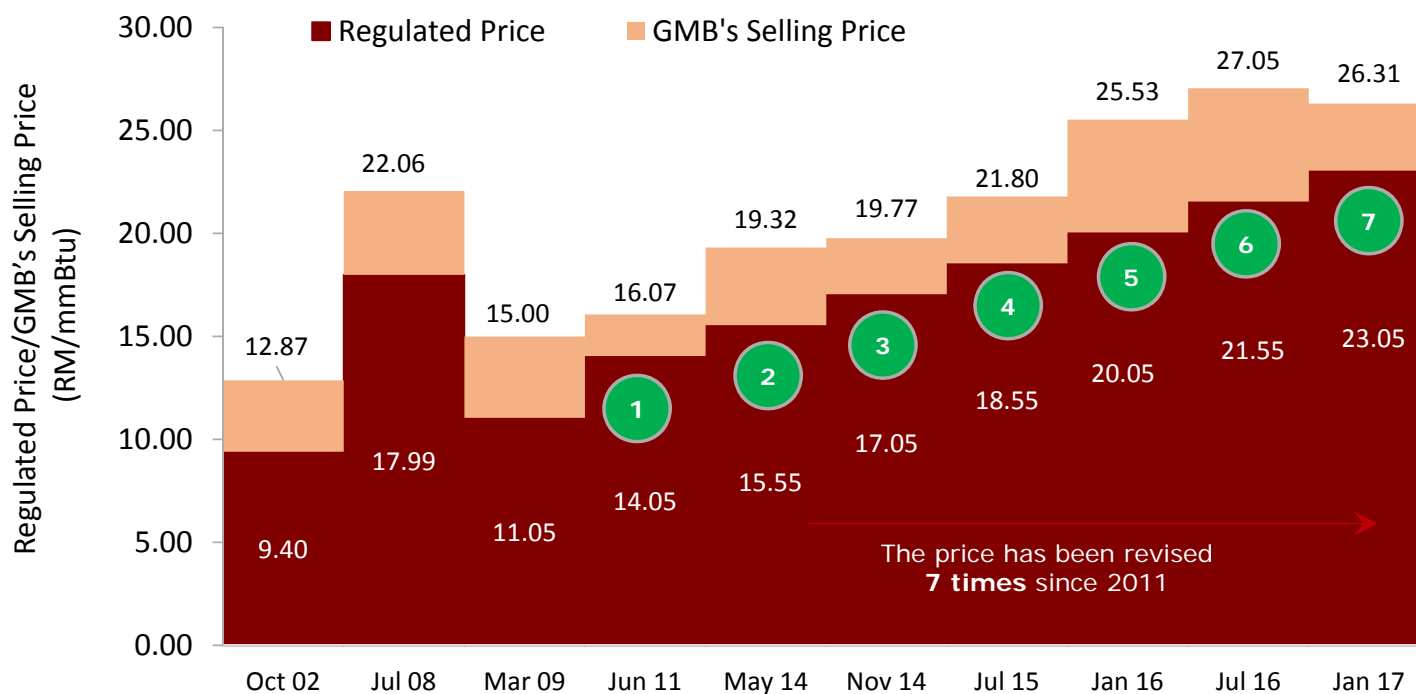
## Regulated price

- Increase RM1.50/mmBtu every 6 months until it reaches market price
- Price for Jan-June 2017 period – RM23.05/mmBtu



# GMB's natural gas selling price

- Trend of regulated price and GMB's selling price since October 2002

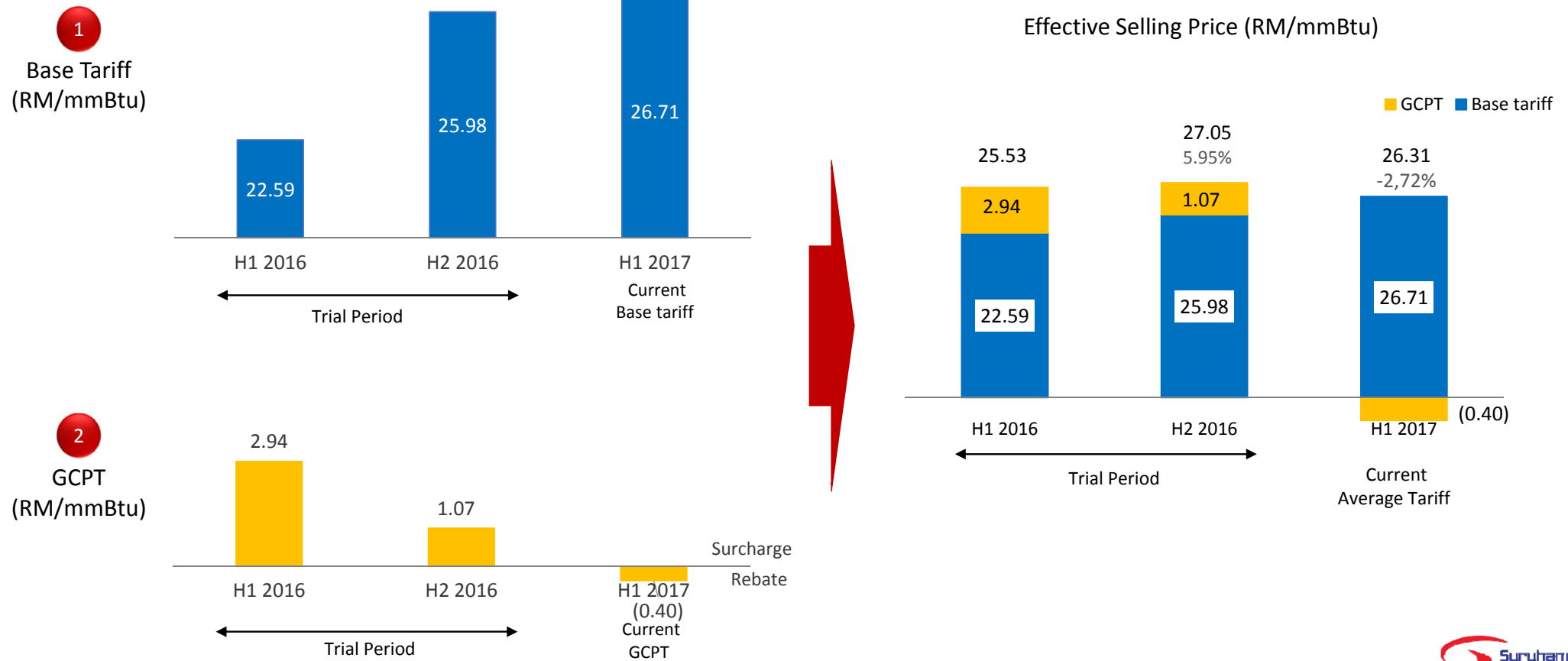


Note:

1. In 2011, gas subsidy rationalisation programme was launched by government whereby gas prices were to be increased by RM3.00/mmBtu every 6 months.
2. Effective 2014, gas prices were increased by RM1.50/mmBtu every 6 months
3. GMB tariff comprised of regulated gas cost, LNG cost (effective 2014), distribution cost and return.
4. ● : Regulated gas price revision under gas subsidy rationalisation programme.

# GMB's natural gas selling price

- Base tariff and GCPT components for H1 2016 - H1 2017 period



# Information on gas prices and facility tariffs

# Information on Gas Prices and Facility Tariffs

- Available at ST's website

Third Party

## Tariff for the utilization of gas facilities

- 1. Regasification terminal**

Gas Facility	Location	Tariff		Applicable Period
		Storage	Regasification	
Regasification terminal	Sungai Udang, Melaka	-TBU-	-TBU-	-TBU-
- 2. Transmission pipeline**

Gas Facility	Location	Transportation Tariff	Applicable Period
Transmission pipeline	Peninsular Malaysia	RM1.248/GJ <sup>1</sup>	Until further revised by Commission
- 3. Distribution pipeline**

Gas Facility	Location	Distribution Tariff	Applicable Period
Distribution pipeline	Peninsular Malaysia	RM1.86/mmmBtu	January 2017 - June 2017

Read 52 times

Bahasa Malaysia English

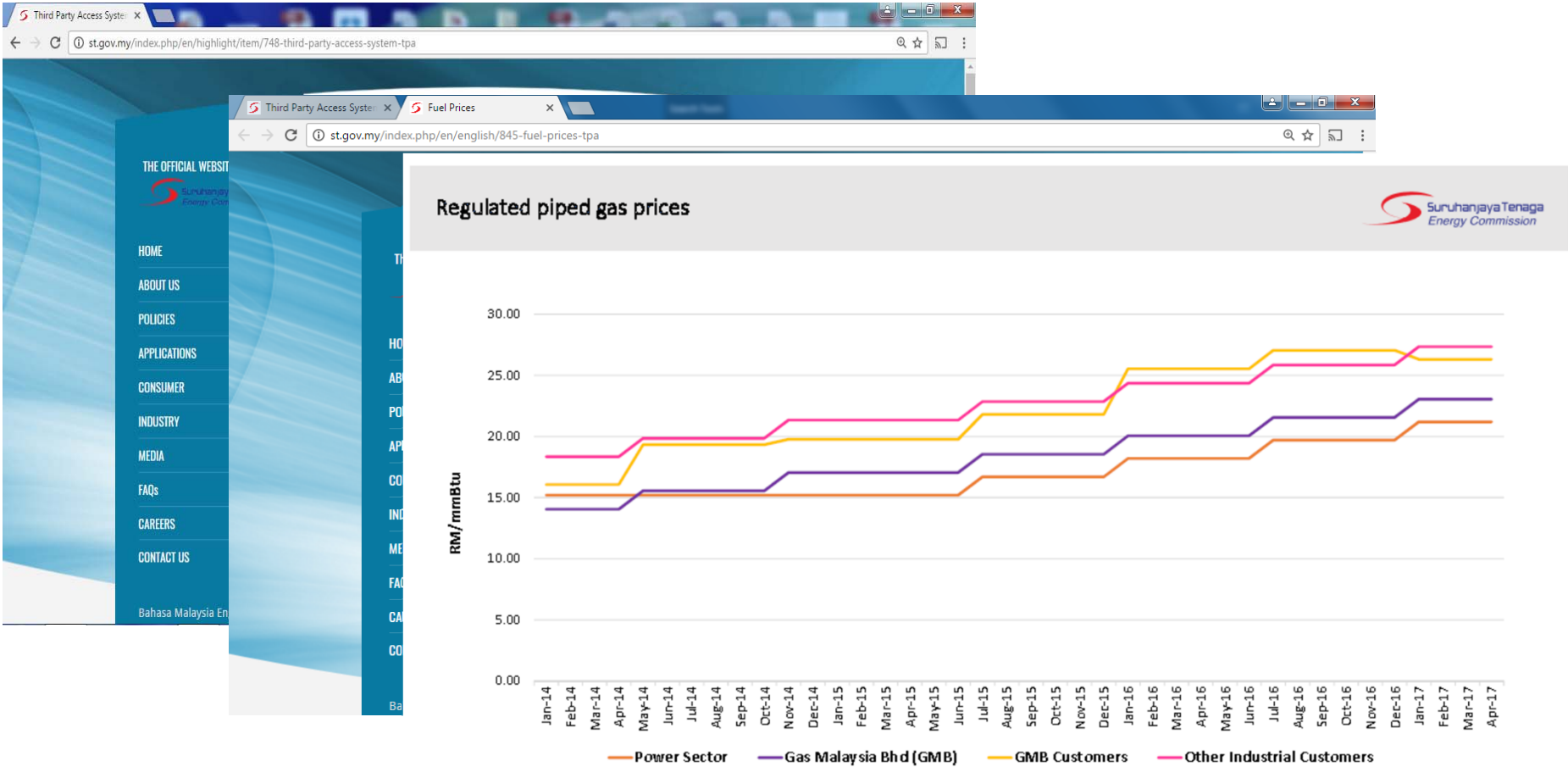
**Notes:**

<sup>1</sup> source: PETRONAS Gas Berhad Network Code For Peninsular Gas Utilisation Transmission System  
TBU: to be updated

As of April 30, 2017

# Information on Gas Prices and Facility Tariffs

- Available at ST's website



**Thank You**