

TNB HANDBOOK

ASEAN CONFERENCE, TAIPEI

22nd - 23rd MARCH 2016

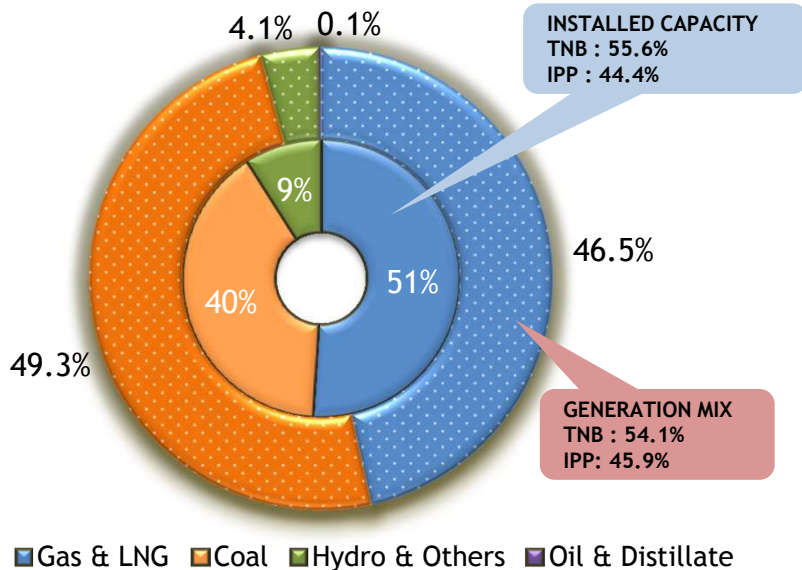
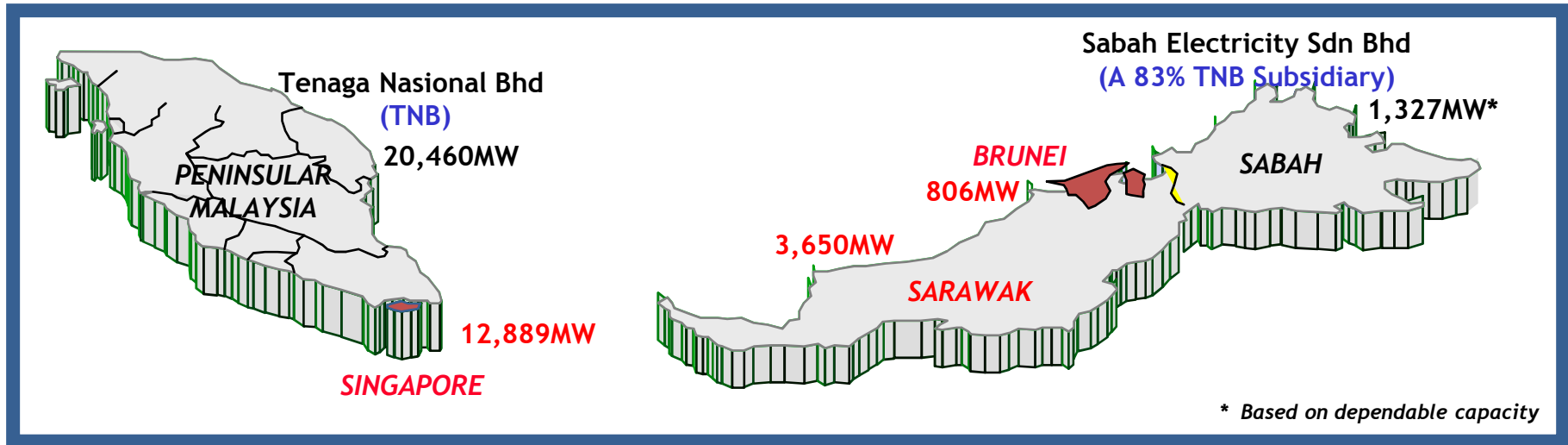
UOBKayHian

PART ONE

1. INTRODUCTION TO TENAGA
2. INTRODUCTION TO MESI
3. SUSTAINABILITY - GREEN POLICY & INITIATIVES
4. TARIFF
5. KEY PERFORMANCE INDICATORS (KPIs)
6. BUSINESS STRATEGY & DIRECTION
7. DEBT EXPOSURE & GEARING
8. DIVIDEND POLICY

INTRODUCTION TO TENAGA

Three Major Utilities in Malaysia

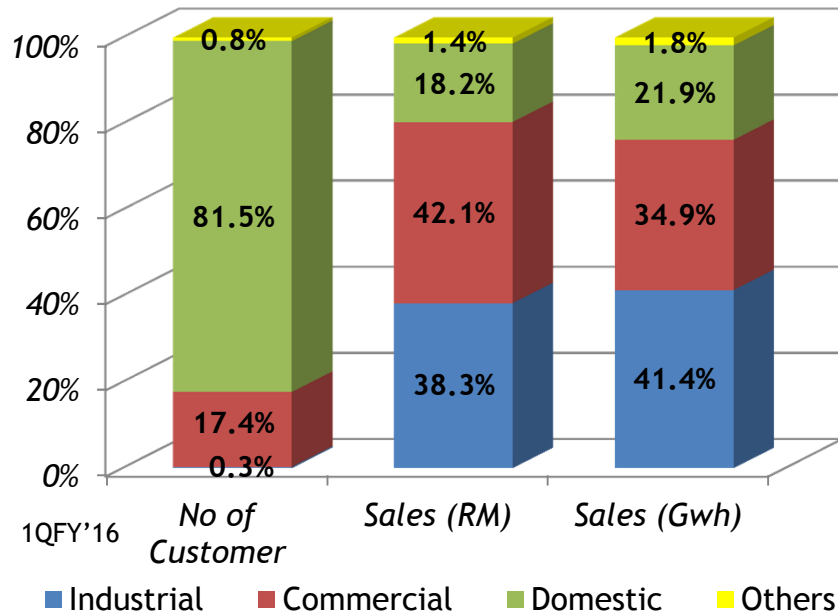


| | FY'12 | FY'13 | FY'14 | FY'15 | 1QFY'16 |
|---|---------|---------|---------|---------|---------|
| TNB - Peninsula Installed Capacity (MW) | 11,462 | 11,462 | 10,814 | 11,708 | 11,384 |
| Total units sold (Gwh) | 102,132 | 105,479 | 108,102 | 110,837 | 28,571 |
| Total customers (mn) | 8.36 | 8.35 | 8.64 | 8.94 | 9.02 |
| Total employees ('000) | 33.6 | 35.0 | 36.1 | 36.0 | 35.9 |
| Total assets (RM bn) | 88.5 | 99.0 | 110.7 | 117.1 | 117.5 |

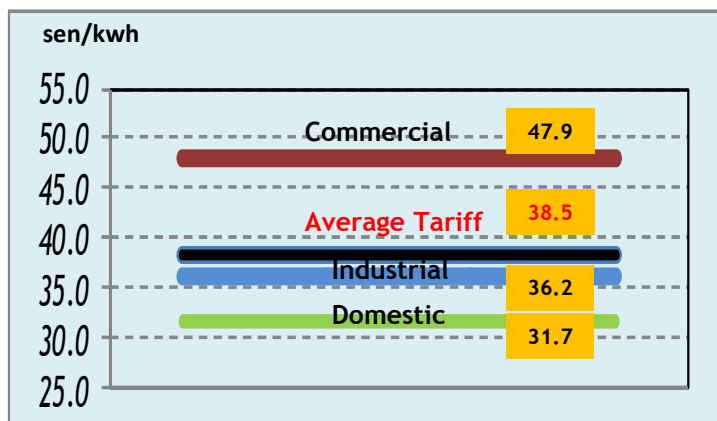
Peninsula Installed Capacity vs. Generation mix

INTRODUCTION TO TENAGA

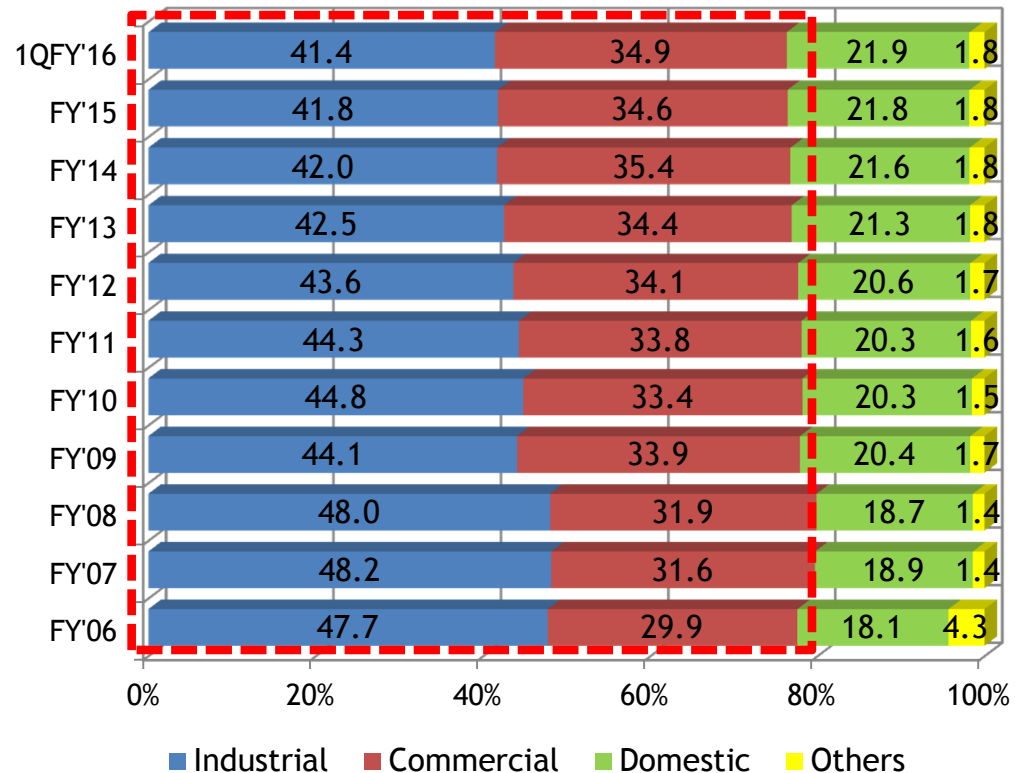
No of Customer vs. Sales Value vs. Unit Sales



Average Base Tariff by Sector



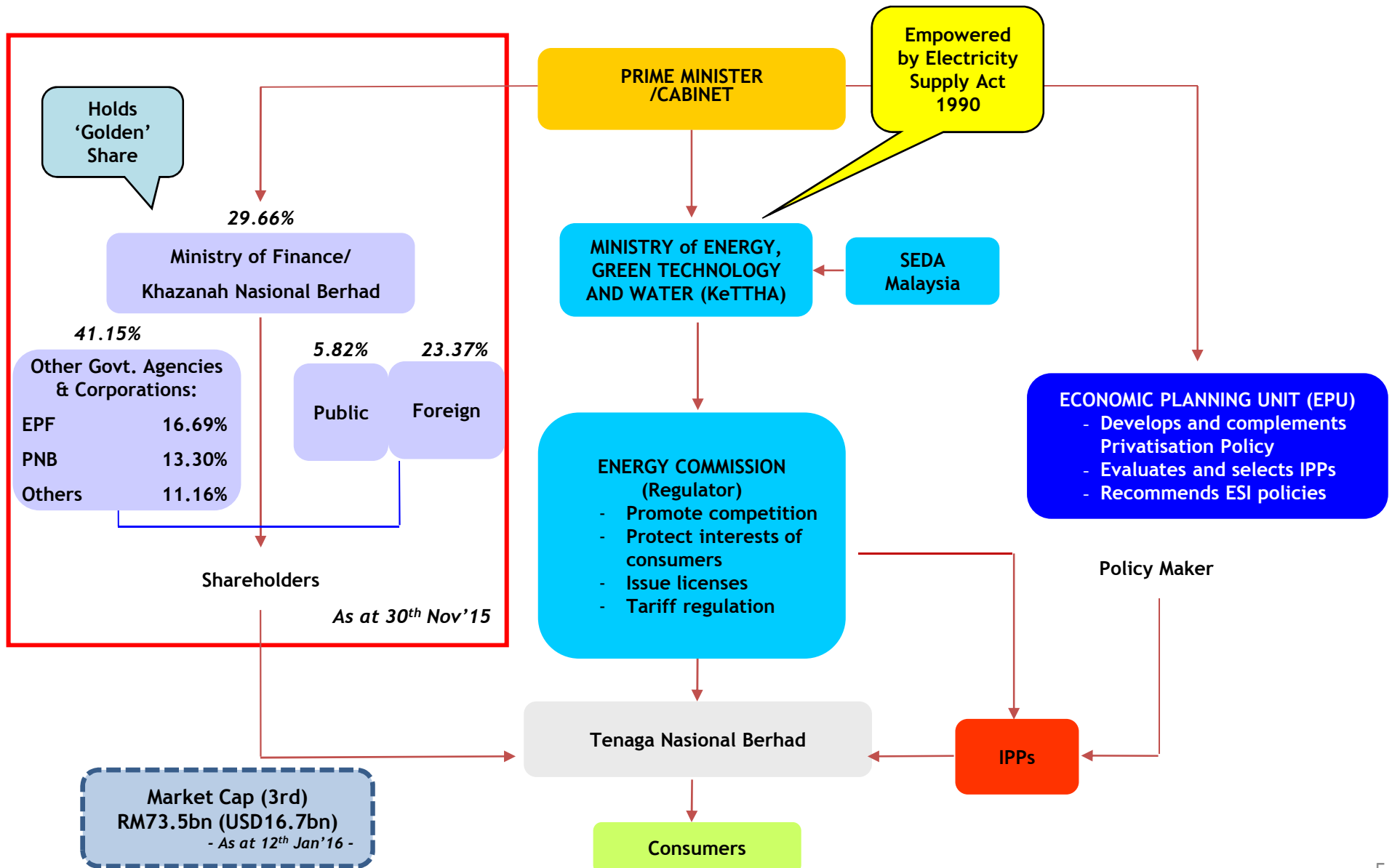
Sectoral Sales Analysis (Gwh)



- Shift from Industrial-based to Service-based economy
- Increasing market share from Commercial sector
- Commercial sector contributes the highest electricity sales margin

INTRODUCTION TO TENAGA

Industry Regulatory Framework

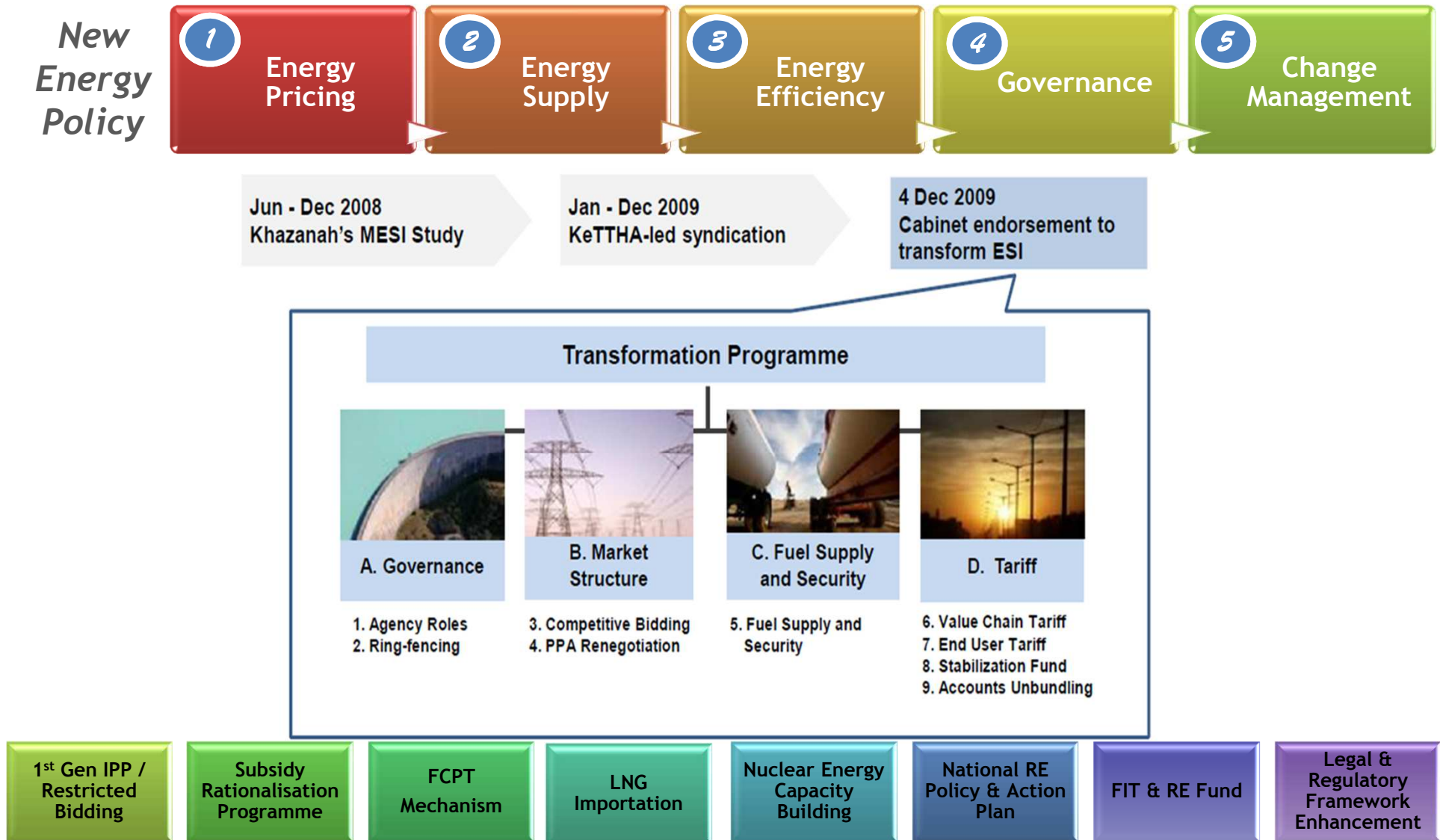


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TRANSFORMATION INITIATIVES BY GOVERNMENT

Aimed at Delivering a Reliable, Transparent, Efficient and Sustainable ESI



*Source: MyPower

1 ENERGY PRICING - COMPETITIVE BIDDING

Track 1, 2 & 3A

1

| TRACK 1 | 1,071 MW CCGT PRAI (PRAI) |
|-------------------|--|
| COD | February 2016 |
| LEVELISED TARIFF | 34.7 sen/kWh |
| STATUS | <p>TNB has signed agreements for:</p> <ul style="list-style-type: none"> i. EPC - TNB Northern Energy Bhd & Samsung Engineering & Construction (M) Sdn Bhd ii. Long term Service - TNB Prai & Siemens AG iii. O&M - TNB Prai & REMACO <p>TNB Northern Energy Sukuk has been issued out on 29 May 2013 for nominal value of RM1.625 billion.</p> |
| PHYSICAL PROGRESS | 99% as at 1QFY'16 |
| TECHNOLOGY | Siemens Super Critical H-Class technology gas turbine combined-cycle efficiency of greater than 60% |

2

| TRACK 2 | RENEWAL OF EXPIRING PLANTS : 2,253 MW CCGT | | |
|------------------|--|-----------------------|----------------------|
| PLANTS | GENTING | SEGARI | TNB PASIR GUDANG |
| EXTENSION | 10 years (to 2026) | 10 years (to 2027) | 5 years (to 2022) |
| LEVELISED TARIFF | 35.3 sen/kWh | 36.3 sen/kWh | 37.4 sen/kWh |
| STATUS | Reduction rates of CP effective 1 March 2013 until expiry of current PPA | | |

3

| TRACK 3A | 1 X 1,000 MW COAL-FIRED (MANJUNG 5) |
|-------------------|--|
| COD | October 2017 |
| LEVELISED TARIFF | 22.78 sen/kWh |
| STATUS | <p>TNB has signed agreements on 16 August 2013 for:</p> <ul style="list-style-type: none"> i. PPA with TNB Manjung Five Sdn Bhd "Manjung 5" to design, construct, own, operate & maintain the coal plant capacity (25 years term) ii. SFA "Shared Facilities Agreement" between TNB, Manjung 5 & TNB Janamanjung iii. CSTA "Coal Supply and Transportation Agreement" between TNB Fuel Services & Manjung 5. <p>EPC contract signed on 21 August 2013 between: TNB Western Energy Bhd; a wholly owned subsidiary of Manjung 5 with Consortium of Sumitomo Corp, Daelim Industrial Co Ltd, Sumi-Power M'sia Sdn Bhd and Daelim M'sia Sdn Bhd.</p> <p>TNB Western Energy Sukuk has been issued out on 30 January 2014 for nominal value of RM3.655 billion.</p> |
| PHYSICAL PROGRESS | 73% as at 1QFY'16 |
| TECHNOLOGY | Ultra Super Critical Boiler Technology OEM to EPC is Hitachi |

Track 2 savings balance: approximately RM1.0 bn

(as at end 2015)

1 ENERGY PRICING

Track 3B & 4A

4

| TRACK 3B | 2 X 1,000 MW COAL-FIRED (JIMAH EAST) |
|------------------|--|
| COD | 15 June 2019 & 15 December 2019 |
| LEVELISED TARIFF | 26.67 sen/kWh |
| STATUS | <p>TNB has signed agreements on 22 July 2014 :</p> <ul style="list-style-type: none"> i. PPA with Jimah East Power Sdn. Bhd. (JEP), the incorporated company of the consortium of 1MDB and Mitsui & Co. Ltd, to design, construct, own, operate and maintain the coal plant (25 years term) at Mukim Jimah, Port Dickson, Negeri Sembilan. ii. CSTA “Coal Supply and Transportation Agreement” with TNB Fuel Services Sdn. Bhd. <p>TNB received a letter of invitation from the EC on 19 June 2015 to submit a proposal pertaining to the participation of TNB through 70% ownership of JEP.</p> <p>TNB received an addendum to the Letter of Award dated 3 June 2014 for the Project from the EC informing TNB and Mitsui that the Government has approved the transfer by 1MDB of its entire shareholding interest in JEP to TNB.</p> <p>TNB has submitted the Letter of Acceptance on 3 July 2015 to the EC’s Addendum to the Letter of Award which was issued to TNB.</p> <p>TNB entered into a Share Sale and Purchase Agreement with 1MDB on 3 July 2015 for the acquisition of a 70% shareholding in JEP for a total consideration of circa RM46.98 million.</p> <p>On 26 August 2015, TNB has signed a Supplemental Power Purchase Agreement with JEP.</p> |
| TECHNOLOGY | 2 units of IHI Ultra Super Critical Technology Steam Generator & 2 Units of Toshiba Turbo Generator |

5

| TRACK 4A | 1,000 - 1,400 MW CCGT |
|------------|--|
| COD | June 2018 |
| STATUS | <p>TNB has signed heads of agreement on 24 July 2014 with SIPP Energy Sdn. Bhd., signifying the principal terms of the proposed joint venture which will undertake to build, own and operate a power plant of approximately 1,000MW-1,400MW on a land in Pasir Gudang, Johor.</p> <p>EC has informed that the proposal submitted on 15 May 2015 by the Consortium to develop the Project was not accepted as the levelised tariff could not meet the terms of EC’s Conditional Letter of Award.</p> <p>Following the decision made by EC, the Heads of Agreement had lapsed and TNB ceased to be part of the Consortium.</p> |
| TECHNOLOGY | - |

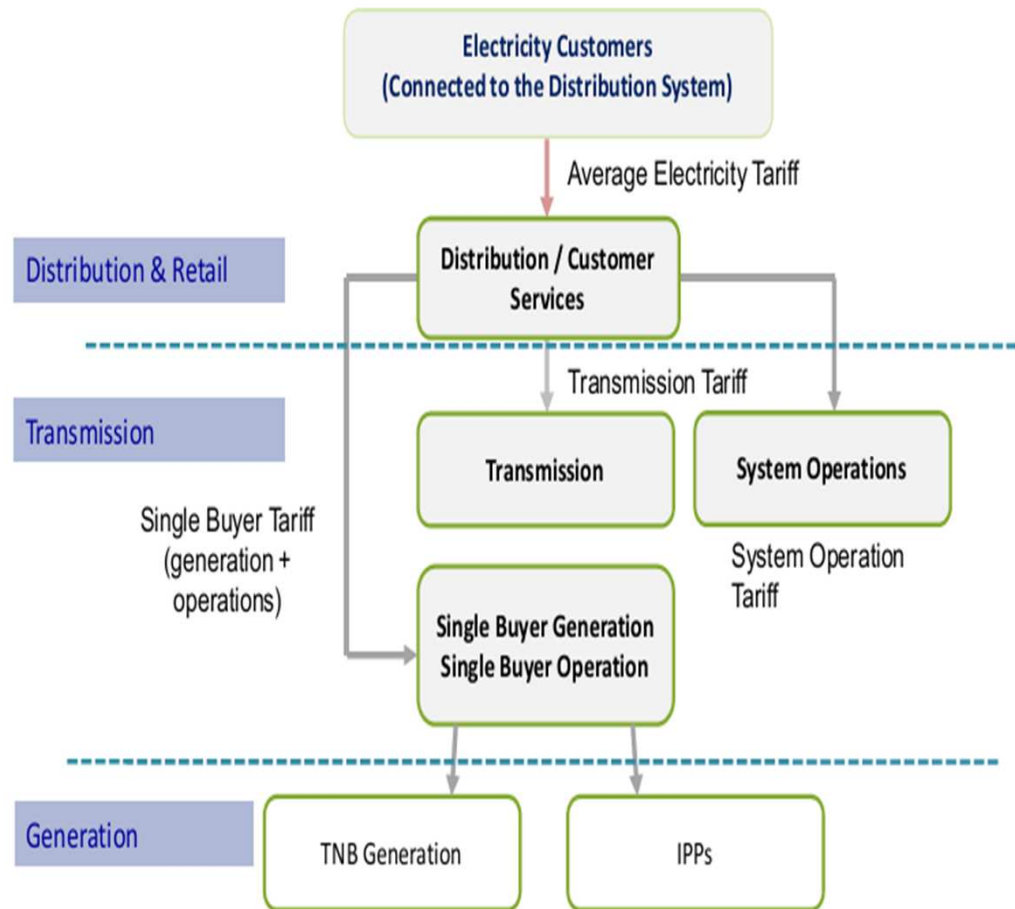
3 + 4 EFFICIENCY AND GOVERNANCE

Incentive Based Regulation (IBR) - The Move Towards Better Regulation

IBR mechanism to strengthen the following:

-  The Economic Regulatory Framework for Regulating TNB
-  The Tariff Setting Mechanism and Principles for Tariff Design
-  Incentive Mechanisms to Promote Efficiency and Service Standards
-  The Process of Tariff Reviews
-  Creation of Regulatory Accounts and Its Annual Review Process

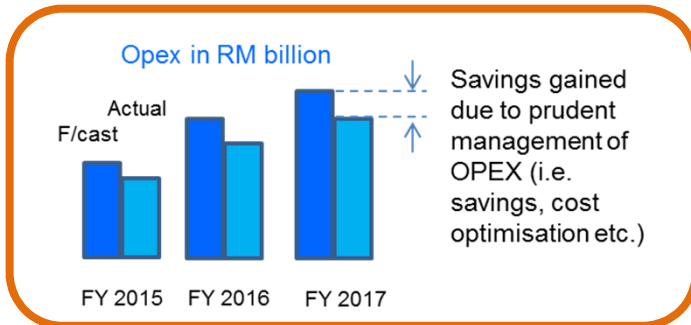
5 Business entities under IBR
(Accounting Separation)



11 Regulatory Implementation Guidelines (RIGS) were Developed for IBR Implementation

3 + 4 EFFICIENCY AND GOVERNANCE

Incentive Based Regulation (IBR) - Economic Regulation Methodology to Promote Efficiency And Transparency



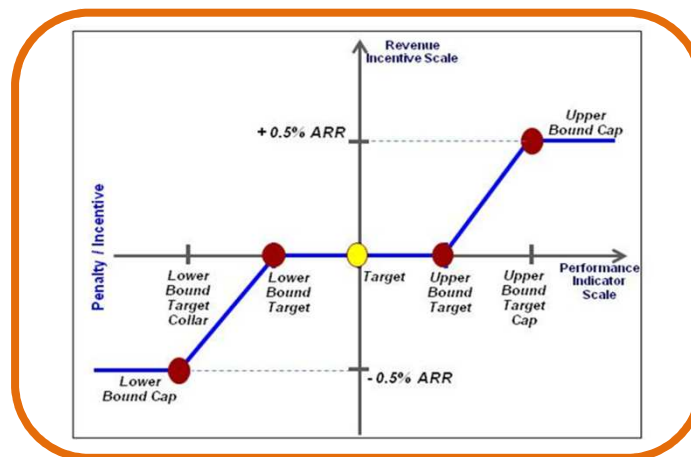
Operational Efficiencies

- Rewarded for seeking efficiencies in operational and capital expenditure



Financial Efficiencies

- Rewarded for maintaining an efficient capital structure



Performance Efficiencies

- Rewarded for delivering improvements in network performance

3 + 4 EFFICIENCY AND GOVERNANCE

Regulatory WACC for TNB under IBR (FY2014 - 2017) is 7.5%

| WACC Parameters | Actual market Parameters | TNB's Proposal | Recommendation |
|-------------------------------------|--------------------------|----------------|----------------|
| Stock T_{NB} Beta | 0.92[1] | 1.435 | 1.435 [[4] |
| Market Return (R_m) | 8.8%[2] | 12.3% | 8.8% |
| Risk free (R_f) | 4.0% | 4.0% | 4.0% |
| Market Risk Premium ($R_m - R_f$) | 4.8% | 8.3% | 4.8% |
| Debt Margin (D_m) | 2.19% | 2.24% | 2.24% |
| Tax Rate | 25.0% | 25.0% | 25.0% |

Weighted Cost of Capital Calculation

| | Actual market Parameters | | | TNB's Proposal | | | Recommendation | | |
|---------------------------------|--------------------------|-------------------|---------------|----------------|-------------------|---------------|----------------|-------------------|---------------|
| Capital Structure | Cost | Capital Structure | Weighted Cost | Cost | Capital Structure | Weighted Cost | Cost | Capital Structure | Weighted Cost |
| Cost of Equity (K_e) | 8.38% | 60.5% | 5.1% | 15.91% | 45.0% | 7.16% | 10.85% | 45.0% | 4.88% |
| Cost of Borrowing (K_b)[3] | 6.18% | 39.5% | 1.8% | 6.24% | 55.0% | 2.57% | 6.24% | 55.0% | 2.57% |
| Weighted Cost of Capital | | | 6.9% | | | 9.7% | | | 7.5% |

Note:

[1] Based on beta for the period 2004-2012

[2] R_m - Market return of 10 yrs KLSE Index

[3] Average Gearing (2004-2011) is 39.5%

[4] Adjusted to reflect optimal gearing.

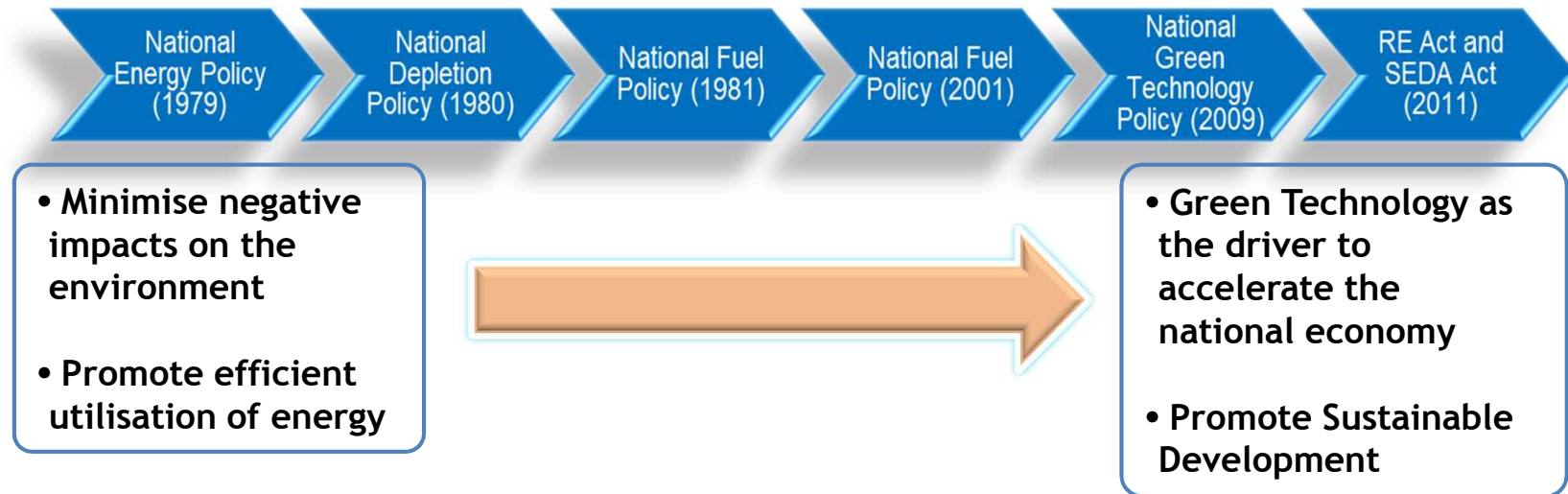
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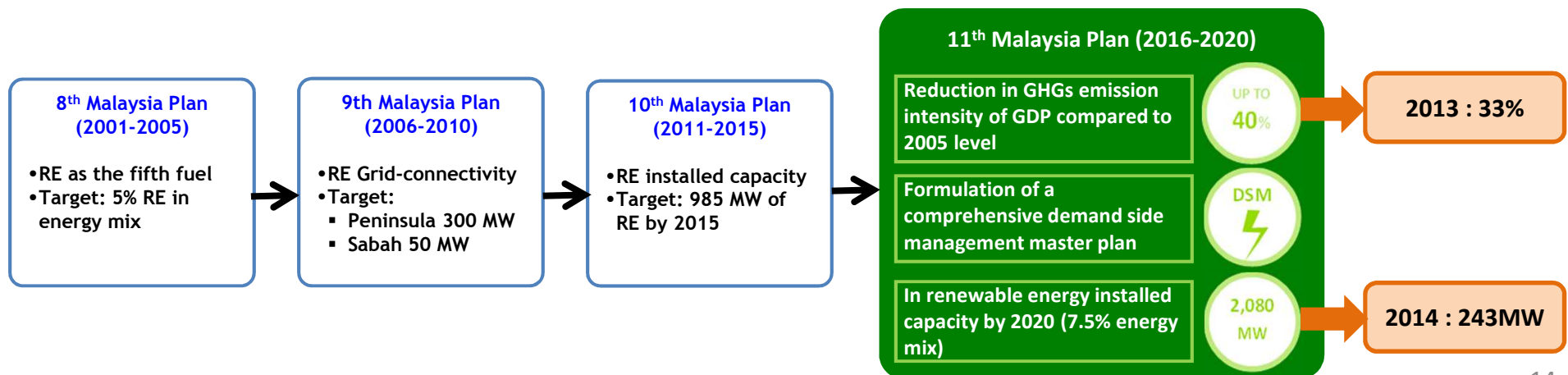
SUSTAINABILITY

Government Green Policy & Initiatives

Evolution on National Energy Policies



Government Green Development Plan



Government Green Initiatives

SEDA and RE Act (2011)

- Enhance the utilisation of indigenous renewable energy (RE) resources to contribute towards national electricity supply security and sustainable socioeconomic development.
- Establish RE Fund to expand RE generation.

KeTTHA's SAVE Program

- Create a culture of efficient energy usage among general public and business entities.
- Targets the final end user through the retailers of electronic appliances and will generate up to 7,300 GWh of energy saved by the year 2020.

Government Investment Tax Allowance (ITA) scheme

- Encourage Energy Efficiency among Industry & commercial users.

Strengthening governance to drive green transformation

- Electricity Supply Act 2001.
- Efficient Management of Electrical Energy Regulations 2008.
- Uniform Building By Law (UBBL) & ISO150001.

SUSTAINABILITY

TNB Green Policy & Initiatives

TNB Green Policy

“TNB is committed to support the national green agenda and minimise the environmental impact of our business by applying sustainable, efficient operations and delivering green energy through the application of appropriate technologies and investments”

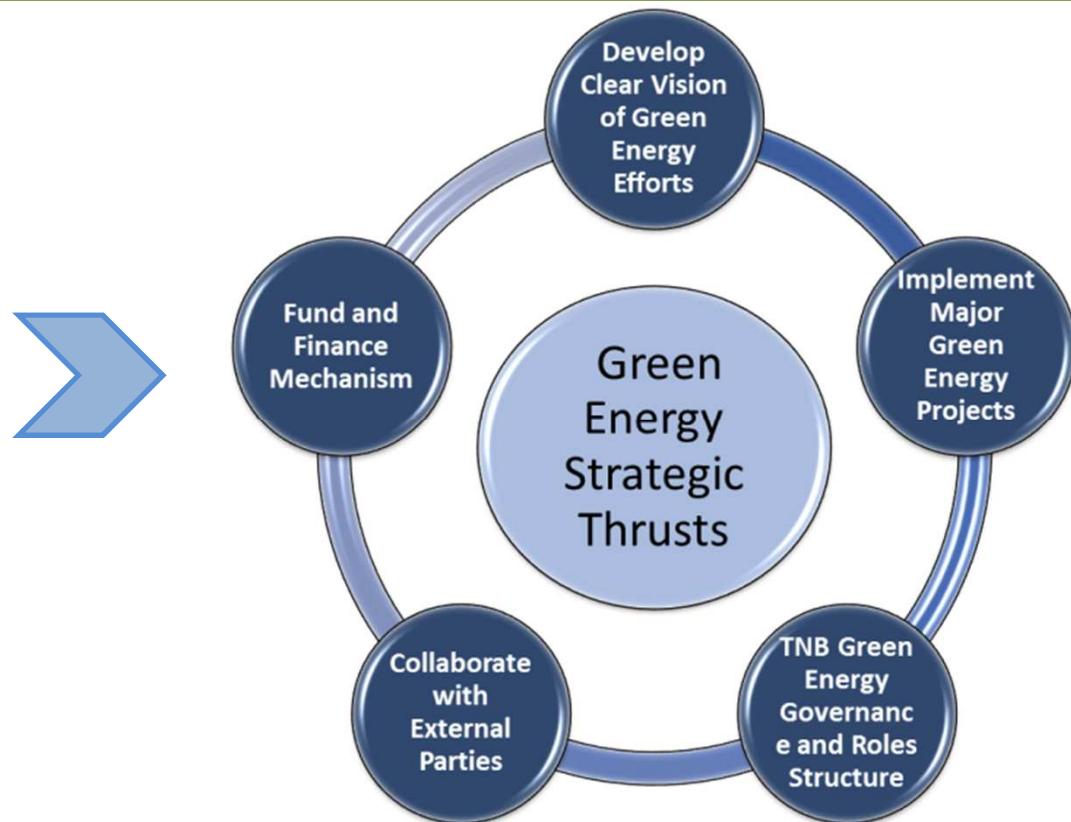
TNB RE Targets by 2020

Domestic

- 60-80% of national targets by 2020 (1,248 -1,664 MW)

International

- In accordance to TNB Investment policy and guidelines on ventures, M&A and bidding for Green Energy Projects



TNB Green Initiatives

Major Green Projects

- 1) Ultra-supercritical technology for coal plants
 - 10% less CO2 emission compared to conventional subcritical technology
- 2) Carbon footprint study - supply side (2012)
 - Preliminary assessment of Carbon Inventory for TNB Thermal Power Plants
 - Recommendation on the most suitable methodology of measuring Carbon Footprint for TNB power plants
- 3) R&D projects for enhancing power plants efficiency
- 4) Smart Grid (SG) Project
- 5) Various District Cooling (DCS) & Thermal Energy Storage (TES) projects

Demand Side Management (DSM) Programs

- Special tariff rates for DCS & TES
- Thermal energy storage
- DSM study on Enhanced Time of Use (ETOU) & interruptible scheme
- Development of training & capacity building centres
- Pilot Electric Vehicles (EV) charging terminal

Renewable Energy Projects

- 1) Non FiT and Off-grid installation:
 - Solar Hybrid project
 - 850kW in RPS Kemar, Perak.
- 2) FiT projects:
 - JV project with Felda Global Ventures
 - 10MW Biomass (Jengka)
 - JV with Sime Darby
 - 2MW Biogas Hadapan Palm Oil Mill
 - 2MW Remington Palm Oil Mill
 - JV with Amcorp Power Sdn Bhd
 - 20MW Mini Hydro at Sg Liang, Pahang
 - Floating solar pilot project in Negeri Sembilan

Energy Efficiency (EE) Programs

- Energy audits & power quality services by TNB Energy Services, a subsidiary of TNB
- Pilot Home Energy Report (HER) Programme
- TNB EE Managers Programs
- TNB EE campaigns
- TNB participation in EE awareness programs

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TARIFF

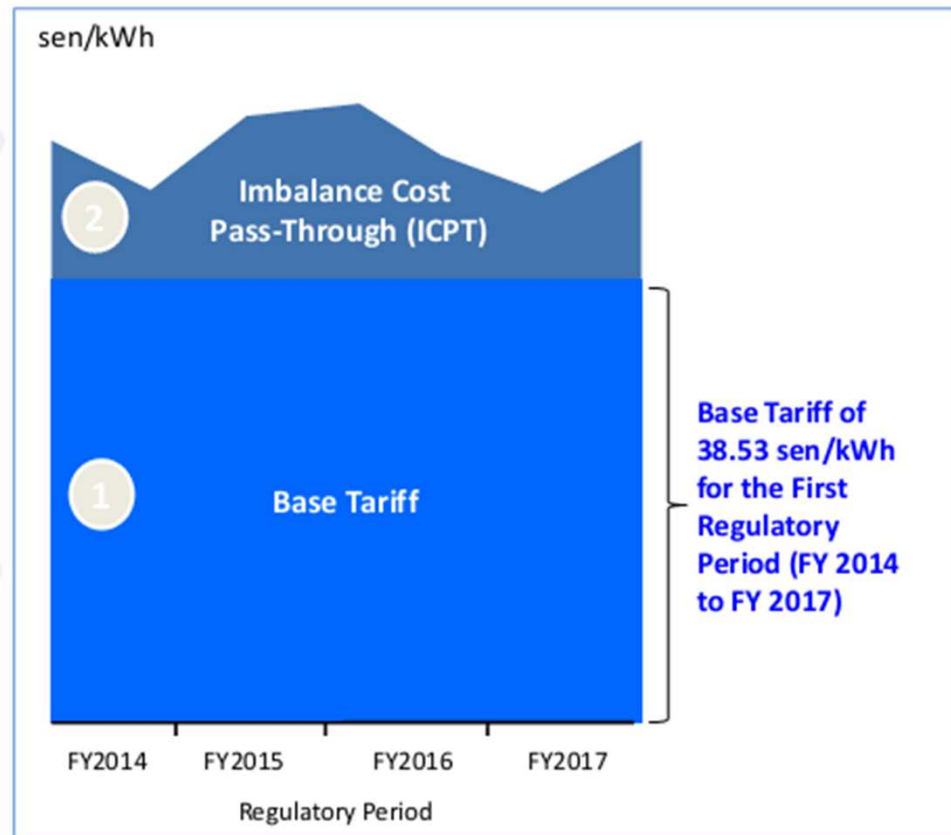
Electricity Tariff Review = Base Tariff + Imbalance Cost Pass-Through (ICPT)

Imbalance Cost Pass-Through (ICPT):

- Tariff adjustment to reflect uncontrollable fuel costs and other generation costs (difference between forecast and actual cost of procuring electricity that is beyond the control of utility)

Base Tariff under IBR framework reflects:

- CAPEX and OPEX of
 - transmission, distribution, system operation (SO) and single buyer operation (SB)
- Power purchase cost charged by generators (including base price for fuel) to the SB
- Return on regulated asset (rate base) of transmission, distribution, SO and SB business units



Principle for ICPT Calculation

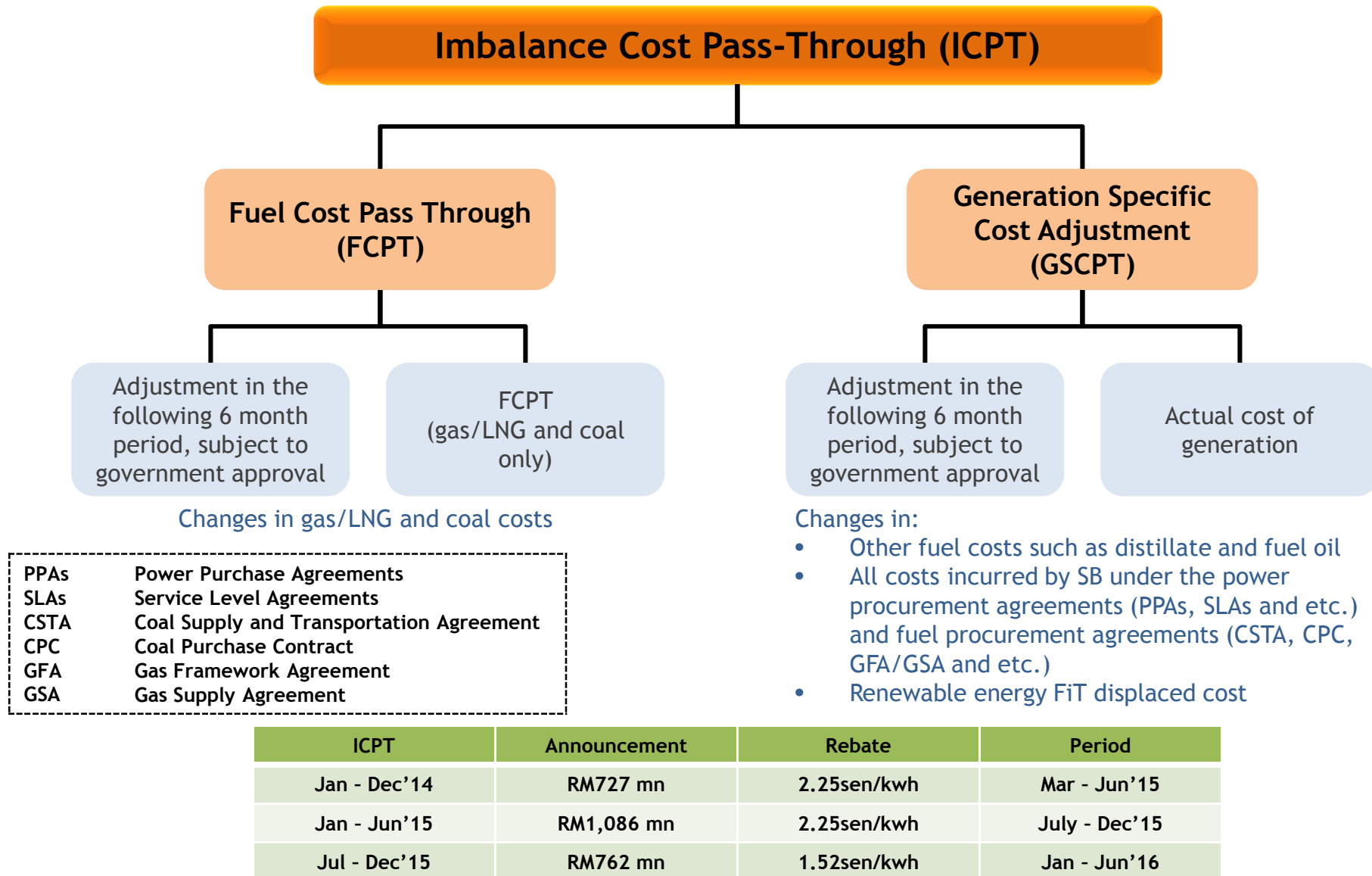
Cost components comprise of:

- 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

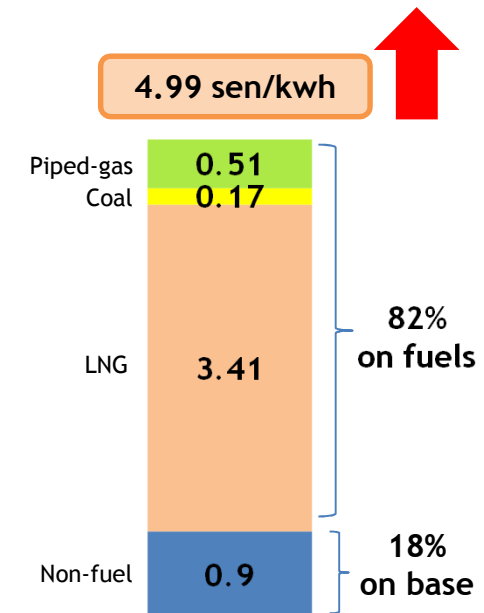
Imbalance Cost Pass-Through (ICPT) Comprises Two Components



TARIFF

Average Base Tariff of 38.53 sen/kwh is Effective from 1st January 2014

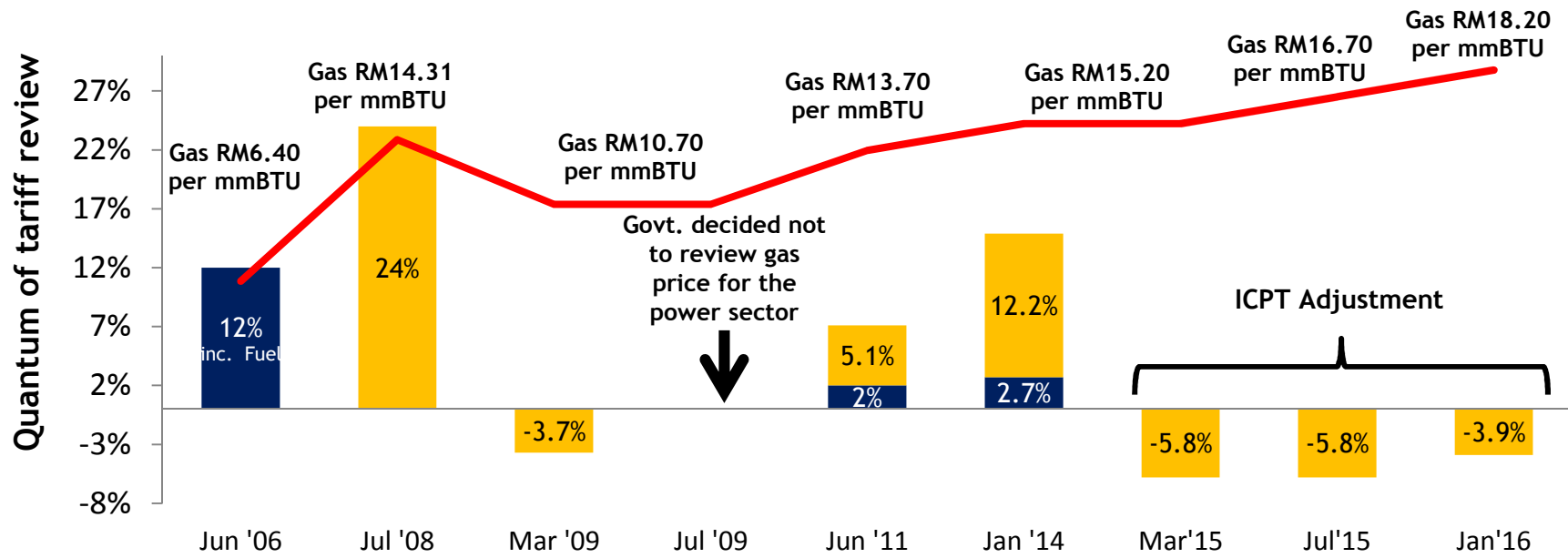
| Tariff Components | sen/kWh | % increase |
|---|--------------|--------------|
| Average Tariff (Jun 2011) | 33.54 | |
| Fuel Components: | | |
| <ul style="list-style-type: none"> Piped-gas regulated price (from RM13.70/mmBTU to RM15.20/mmBTU @1,000 mmscfd) | 0.51 | 1.52 |
| <ul style="list-style-type: none"> Coal (market price) (from USD85/tonne to USD87.5/tonne CIF@CV 5,500kcal/kg) | 0.17 | 0.51 |
| <ul style="list-style-type: none"> LNG RGT market price at RM41.68/mmBTU (for gas volume > 1,000 mmscfd) | 3.41 | 10.17 |
| Non-fuel component (TNB Base Tariff) | 0.90 | 2.69 |
| AVERAGE BASE TARIFF EFFECTIVE 1st JANUARY 2014 | 38.53 | 14.89 |



TARIFF

Frequency of Review & Underlying Assumptions

| | | | | | | IBR | | | |
|--------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| | | | | | | ICPT | | | |
| Approval date | May 2006 | Jun 2008 | Feb 2009 | Jun 2009 | May 2011 | Dec 2013 | Feb 2015 | Jun 2015 | Dec 2015 |
| Effective date | Jun 2006 | Jul 2008 | Mar 2009 | Jul 2009 | Jun 2011 | Jan 2014 | Mar 2015 | Jul 2015 | Jan 2016 |
| Quantum | 12% | 23 - 24% | (3.7%) | Neutral | 7.1% | 14.9% | (5.8%) | (5.8%) | (3.9%) |
| Gas (RM/mmbtu) | 6.40 | 14.31 | 10.70 | 10.70 | 13.70 | 15.20 | 15.20 | 16.70 | 18.20 |
| Coal (USD/MT) | 45.00 | 75.00 | 85.00* | 85.00* | 85.00* | 87.50** | 87.50** | 87.50** | 87.50** |
| Average Tariff (sen/kWh) | 26.2 | 32.5 | 31.3 | 31.3 | 33.5 | 38.5 | 38.5 | 38.5 | 38.5 |



* Forex (RM/USD) = RM3.6

**Forex (RM/USD) = RM3.14

Base tariff adjustment

Fuel adjustment

Gas price

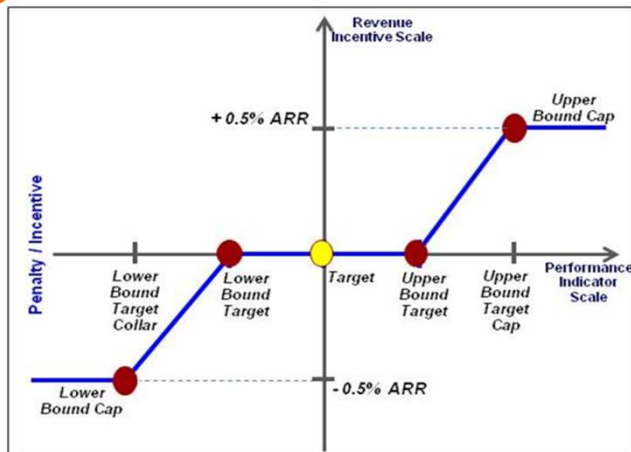
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KEY PERFORMANCE INDICATORS (KPIs)

Incentive Based Regulation (IBR) - Incentive and Penalty Mechanism Based on Performance Targets Determined by EC

PERFORMANCE KPIs



- Incentive/penalty is capped at +/- 0.3% to 0.5% of annual revenue requirement
- No incentive/penalty if performance between upper and lower bound targets
- Any incentive/penalty to be given in the next regulatory period

| Code | Performance Incentive Scheme | Unit | Weightage (%) | Lower Bound Target | Upper Bound Target |
|--------------------------|---|---|---------------|--------------------|--------------------|
| Customer Services | | | | | |
| CSPI1 | System Average Interruption Duration Index (SAIDI) | Mins./cust./year | 50 | 70 | 55 |
| CSPI2 | Average of Minimum Service Level Compliance Performance | % | 25 | 84.11 | 94.11 |
| CSPI3 | Weighted Average Guaranteed Service Level (3, 4 and 5) | % | 25 | 86.32 | 95.50 |
| Transmission | | | | | |
| TXPI1 | System Minutes | Minutes | 40 | 5.1 | 1.5 |
| TXPI2 | System Availability | % | 30 | 99.04 | 99.48 |
| TXPI3 | Project Delivery Index | Delayed month | 30 | 5.47 | 0 |
| System Operator | | | | | |
| SOPI1 | Wide Area Loss of Supply Event | No. of wide area system blackout incident | 25 | 1 | 0 |
| SOPI2.1 | Voltage Limit Compliance | % | 25 | 90 | 96 |
| SOPI2.2 | Frequency Limit Compliance | % | 25 | 90 | 96 |
| SOPI3 | Dispatch Adjustment | % | 25 | 0.4 | 0.2 |
| Single Buyer | | | | | |
| SBPI1 | Dispatch Deviation | % | 25 | 0.4 | 0.2 |
| SBPI2 | Compliance to Timely Settlement of Generators' Invoices | % | 25 | 99.55 | 99.85 |
| SBPI3 | Compliance to Malaysian Grid Code | % | 25 | 98.10 | 100 |
| SBPI4 | Compliance to Single Buyer Rules | % | 25 | 95.00 | 100 |

Incentive/penalty caps annually: RM47mn

*Source: EC

KEY PERFORMANCE INDICATORS (KPIs)

TNB Has Been Improving its Performances Over the Years and Now in Line with World Standards

| | | | 1 ST PHASE : HEADLINE KPIs | | | | | |
|----------------------|---|-----------------|---------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| INITIATIVES | | TARGET FY'10 | ACTUAL FY'05 | ACTUAL FY'06 | ACTUAL FY'07 | ACTUAL FY'08 | ACTUAL FY'09 | ACTUAL FY'10 |
| Financial Indicators | Return on Assets (ROA) (%) | 6.5 | 2.2 | 3.3 | 6.3 | 4.6 | 4.0 | 4.7 |
| | Gearing (%) | < 60.0 | 64.9 | 58.1 | 49.9 | 46.9 | 46.5 | 42.5 |
| | Company CPU (sen/kwh) | | | | | | | |
| | Revenue from Non-Regulated Business (RM bn) | | | | | | | |
| Technical Indicators | Unplanned Outage Rate (UOR)(%) | No target | 6.1 | 4.7 | 2.2 | 3.3 | 2.9 | 2.7 |
| | T & D Losses (%) | No target | 10.5 | 11.0 | 10.0 | 9.5 | 9.7 | 9.5 |
| | Transmission System Minutes (mins) | 9.0 | 14.0 | 7.3 | 9.3 | 6.6 | 1.0 | 0.9 |
| | Distribution SAIDI (mins) | < 100.0 | 148.0 | 101.6 | 83.0 | 78.0 | 68.6 | 65.0 |

Note:



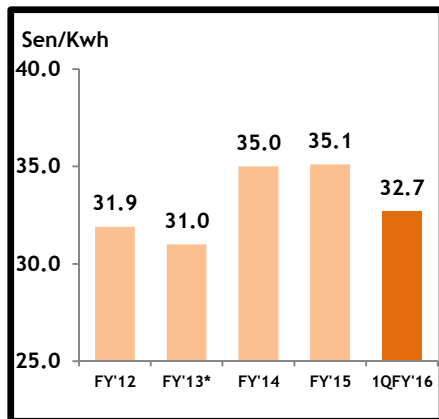
Not tracked as TNB Headline KPI during 1st phase

KEY PERFORMANCE INDICATORS (KPIs)

Financial & Technical 5-Year Performance

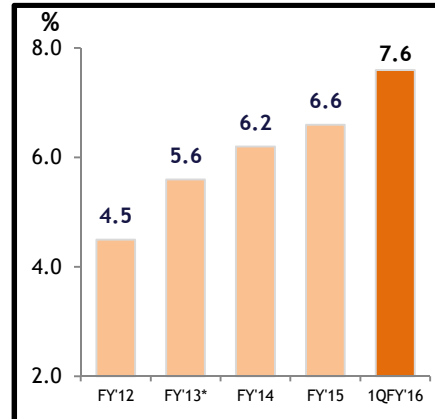
FINANCIAL PERFORMANCE

1 COMPANY CPU (sen/kwh)#



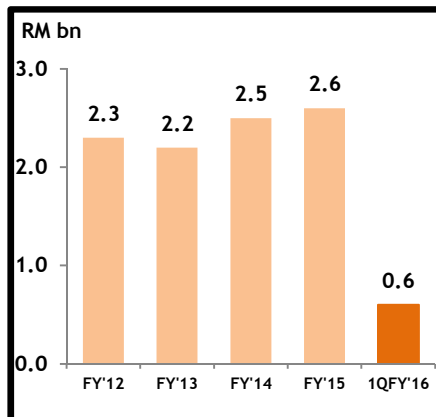
Exclude Finance Cost

2 ROA



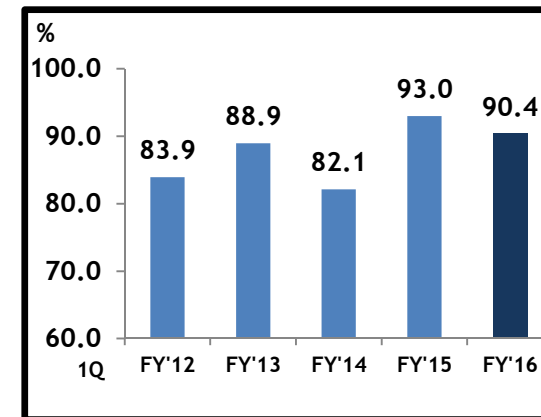
* FY13 - restated

3 REVENUE FROM NON-REGULATED BUSINESS

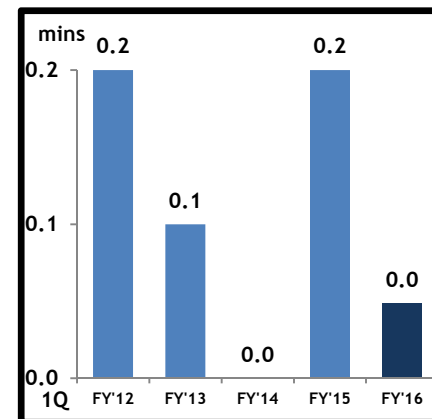


TECHNICAL PERFORMANCE

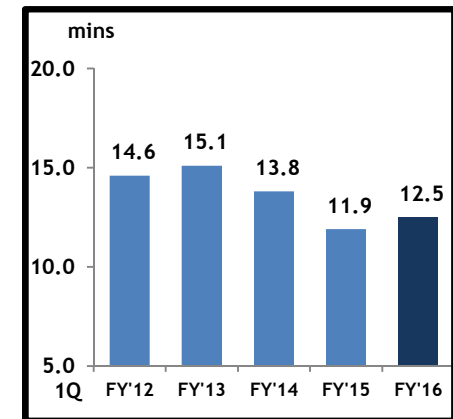
1 EQUIVALENT PLANT AVAILABILITY FACTOR (EAF)



2 SYSTEM MINUTES



3 SAIDI

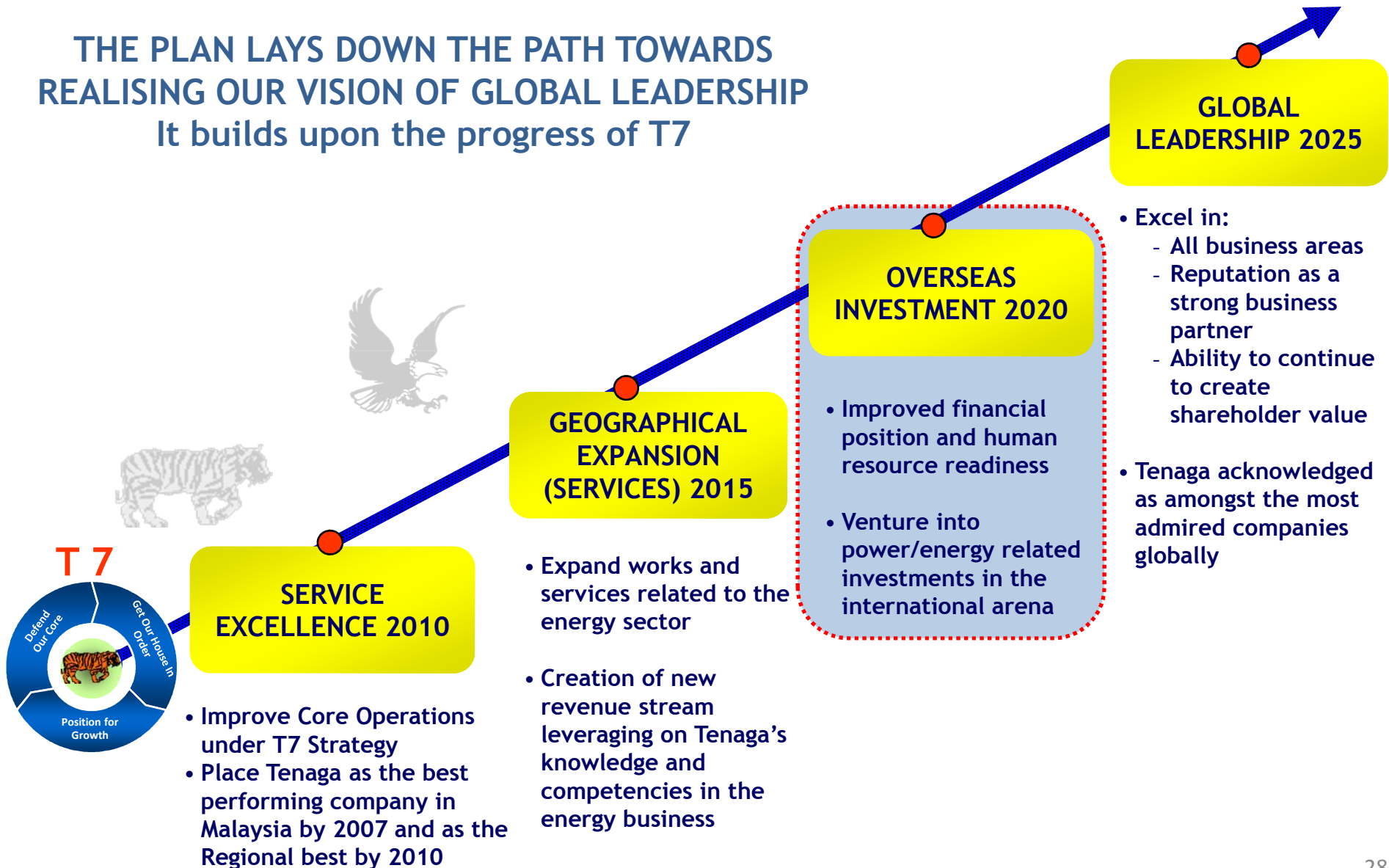


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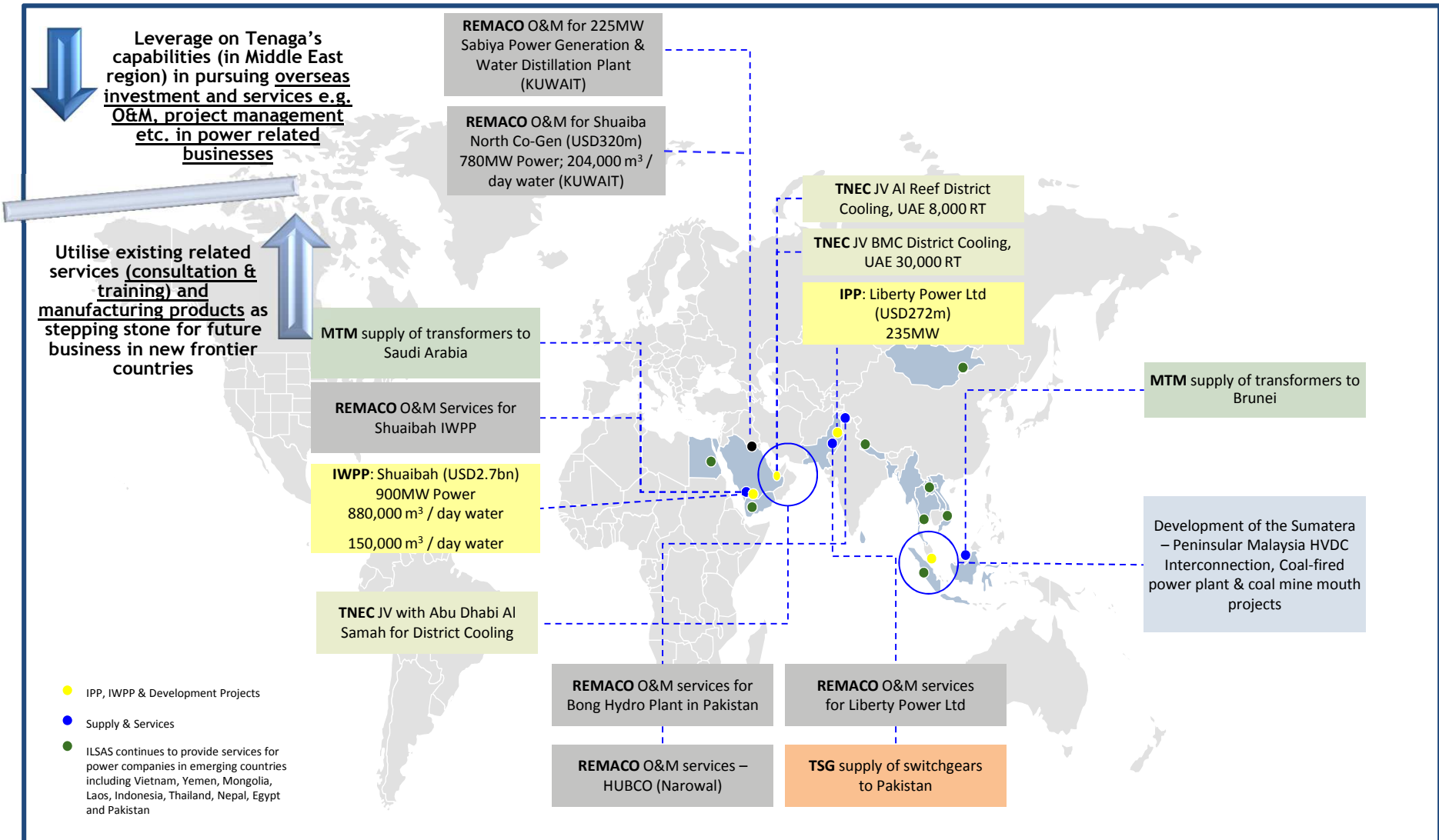
20-YEAR STRATEGIC PLAN

THE PLAN LAYS DOWN THE PATH TOWARDS
REALISING OUR VISION OF GLOBAL LEADERSHIP
It builds upon the progress of T7



INTERNATIONAL FOOTPRINT

Business Expansion in Energy Related Businesses



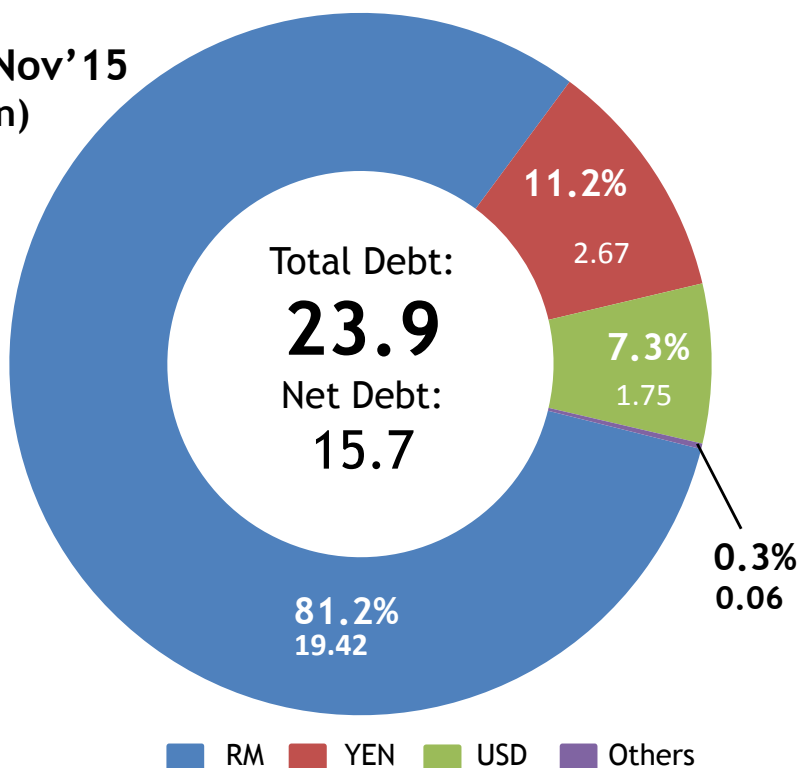
Source: Company presentation; Note: REMACO is a 100% owned subsidiary with a focus on O&M; MTM is a wholly owned subsidiary manufacturing transformers; TSG is a subsidiary manufacturing high voltage switchgears; TNEC is a wholly owned subsidiary providing project services and developing energy related projects

PART ONE

1. INTRODUCTION TO TENAGA
2. INTRODUCTION TO MESI
3. SUSTAINABILITY - GREEN POLICY & INITIATIVES
4. TARIFF
5. KEY PERFORMANCE INDICATORS (KPIs)
6. BUSINESS STRATEGY & DIRECTION
7. DEBT EXPOSURE & GEARING
8. DIVIDEND POLICY

DEBT EXPOSURE & GEARING

30th Nov'15
(RM bn)



“The Group is required to hedge a minimum of 50.0% of TNB’s known foreign currency exposure up to 12 months period. The Group uses forward exchange contracts and currency options contract to hedge its foreign currency risk. Most of the forward exchange contracts have maturities of less than three months”

HEDGING POLICY

| Statistics | 30th Nov'15 | 31st Aug'15 |
|-----------------------------------|-------------|-------------|
| Gearing (%) | 32.6 | 34.2 |
| Net Gearing (%) | 21.4 | 21.9 |
| Fixed : Floating (%) | 100.0 : 0.0 | 100.0 : 0.0 |
| Final Exposure (%) | 100.0 : 0.0 | 100.0 : 0.0 |
| Weighted Average Cost of Debt (%) | 4.90 | 4.80 |
| Final Exposure (%) | 4.90 | 4.80 |

| Closing | 30 th Nov'15 | 31 st Aug'15 |
|-----------|-------------------------|-------------------------|
| USD/RM | 4.25 | 4.19 |
| 100YEN/RM | 3.46 | 3.47 |
| USD/YEN | 122.83 | 120.75 |

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DIVIDEND

Policy and Yield



Tenaga is committed to pay out dividend based on its Dividend Policy whereby:
*Dividend is paid out based on **40%-60%** of its Company's Annual Free Cashflow;
Cashflow from Operations less Normalised Capex and Interest Servicing*

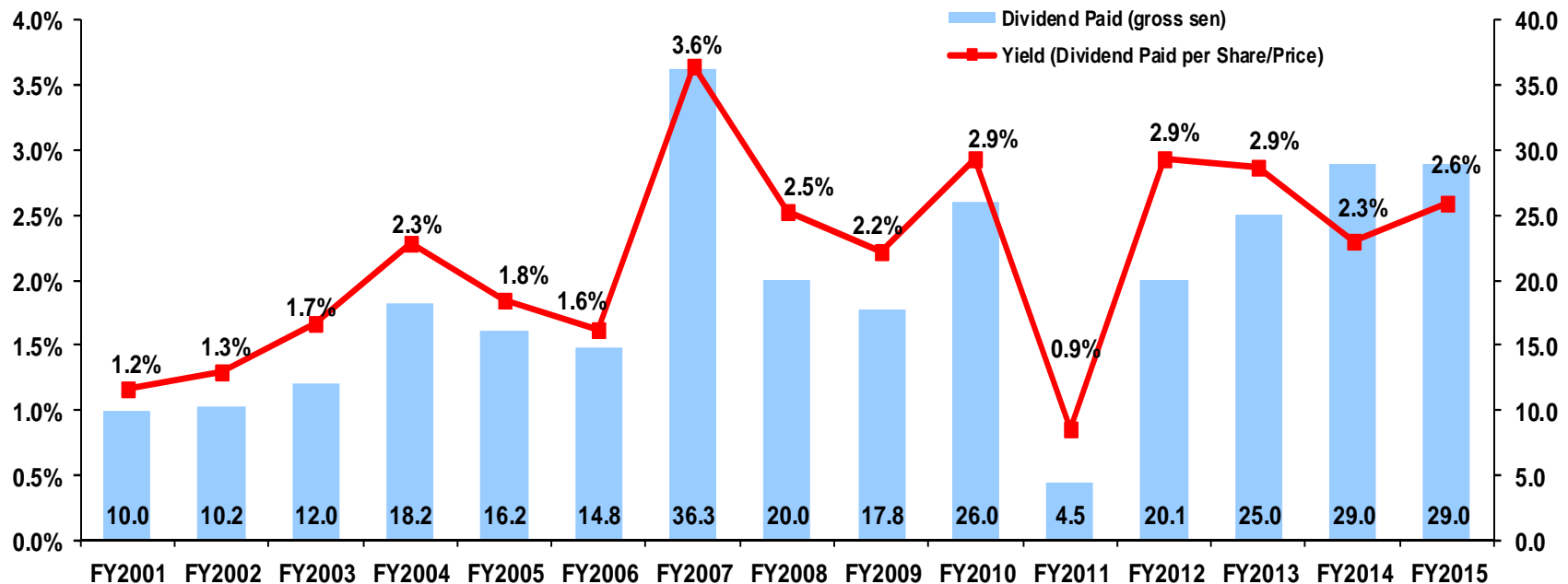
Interim Single-Tier Dividend
of 10.0 sen per ordinary share

Single-Tier Dividend
of 19.0 sen per ordinary share

Total FY'15: 29.0 sen
per ordinary share

Dividend Yield

Sen/Ordinary Share



PART TWO




1QFY2016 RESULTS HIGHLIGHTS

1st QUARTER FY2016

3-Month Ended 30th Nov 2015



Nov 2015

| | 1QFY2016 | 1QFY2015 | YoY |
|-------------------------------|-------------|------------|---|
| Profit After Tax | RM1.96 bn | RM2.35 bn |  (16.5%) |
| Forex Translation Gain/(Loss) | (RM58.5 mn) | RM45.9 mn |  >(100.0%) |
| Revenue | RM10.68 bn | RM11.03 bn |  (3.2%) |

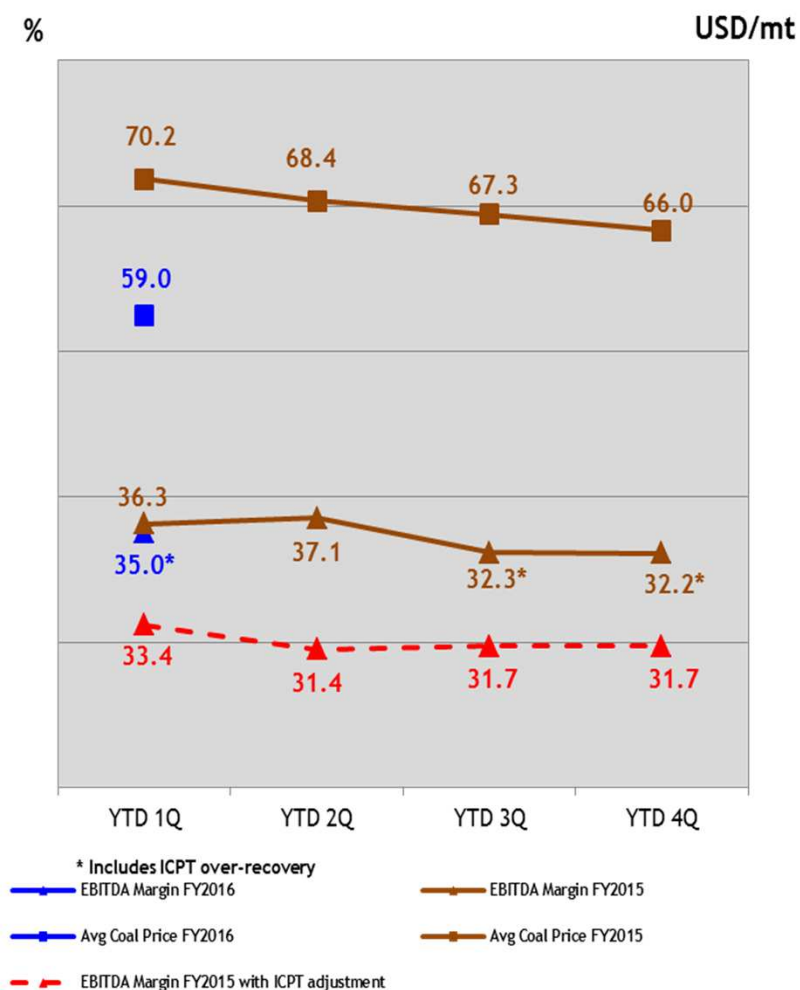
- 3.2% unit electricity demand growth in Peninsular Malaysia

QUARTERLY & YEARLY ANALYSIS

Stable EBITDA Margin from ICPT Implementation

| RM mn | 1QFY'16 | 1QFY'15 |
|--|--------------|--------------|
| Total Units Sold (GWh) | 28,571.1 | 27,450.3 |
| Revenue | 10,676.8 | 11,027.1 |
| Operating Expenses (before depreciation) | 7,078.0 | 7,161.8 |
| Operating Income | 139.3 | 136.9 |
| EBITDA | 3,738.1 | 4,002.2 |
| EBITDA Margin (%) | 35.0% | 36.3% |
| Depreciation and Amortisation | 1,340.4 | 1,257.4 |
| EBIT | 2,397.7 | 2,744.8 |
| EBIT Margin (%) | 22.5% | 24.9% |
| Finance Cost | 259.7 | 253.9 |
| Profit Before Tax & Forex Translation | 2,221.8 | 2,574.9 |
| Net Profit Before Forex Translation | 2,034.5 | 2,306.0 |
| Translation Gain/(Loss) | (58.5) | 45.9 |
| Net Profit attributable to : Equity Holders | 1,976.0 | 2,351.9 |
| Non-controlling Interest | (13.8) | (0.9) |

ANALYSIS OF EBITDA MARGIN & COAL PRICES



GENERATION MIX (PENINSULA)

Year-on-Year Analysis



Nov 2015

6.4% Reduction in Fuel Costs Mainly due to Lower LNG Price & LNG Consumption

Table 1:

| Fuel Costs (RM mn) | | | | |
|--------------------|---------|---------|----------|--------|
| Fuel Type | 1QFY'16 | 1QFY'15 | Variance | |
| | | | RM mn | % |
| Gas | 1,881.1 | 1,861.6 | 19.5 | 1.0 |
| LNG | 296.0 | 685.2 | (389.2) | (56.8) |
| Coal | 1,587.2 | 1,301.4 | 285.8 | 22.0 |
| Dist. | 4.6 | 95.3 | (90.7) | (95.2) |
| Oil | 11.4 | 97.4 | (86.0) | (88.3) |
| Total | 3,780.3 | 4,040.9 | (260.6) | (6.4) |

| Units Generated (Gwh) | | | | |
|-----------------------|----------|----------|----------|--------|
| Fuel Type | 1QFY'16 | 1QFY'15 | Variance | |
| | | | Gwh | % |
| Gas & LNG | 13,541.7 | 13,860.0 | (318.3) | (2.3) |
| Coal | 14,358.3 | 13,056.0 | 1,302.3 | 10.0 |
| Dist. | 8.8 | 132.2 | (123.4) | (93.3) |
| Oil | 24.5 | 201.9 | (177.4) | (87.9) |
| Hydro | 1,182.3 | 943.6 | 238.7 | 25.3 |
| Total | 29,115.6 | 28,193.7 | 921.9 | 3.3 |

Table 2:

| | 1QFY'16 | 1QFY'15 |
|-----------------------------------|---------|---------|
| Daily Average Gas Volume (mmscfd) | 1,175 | 1,218 |
| Average LNG Price (RM/mmbtu) | 33.07 | 46.75 |

Table 3:

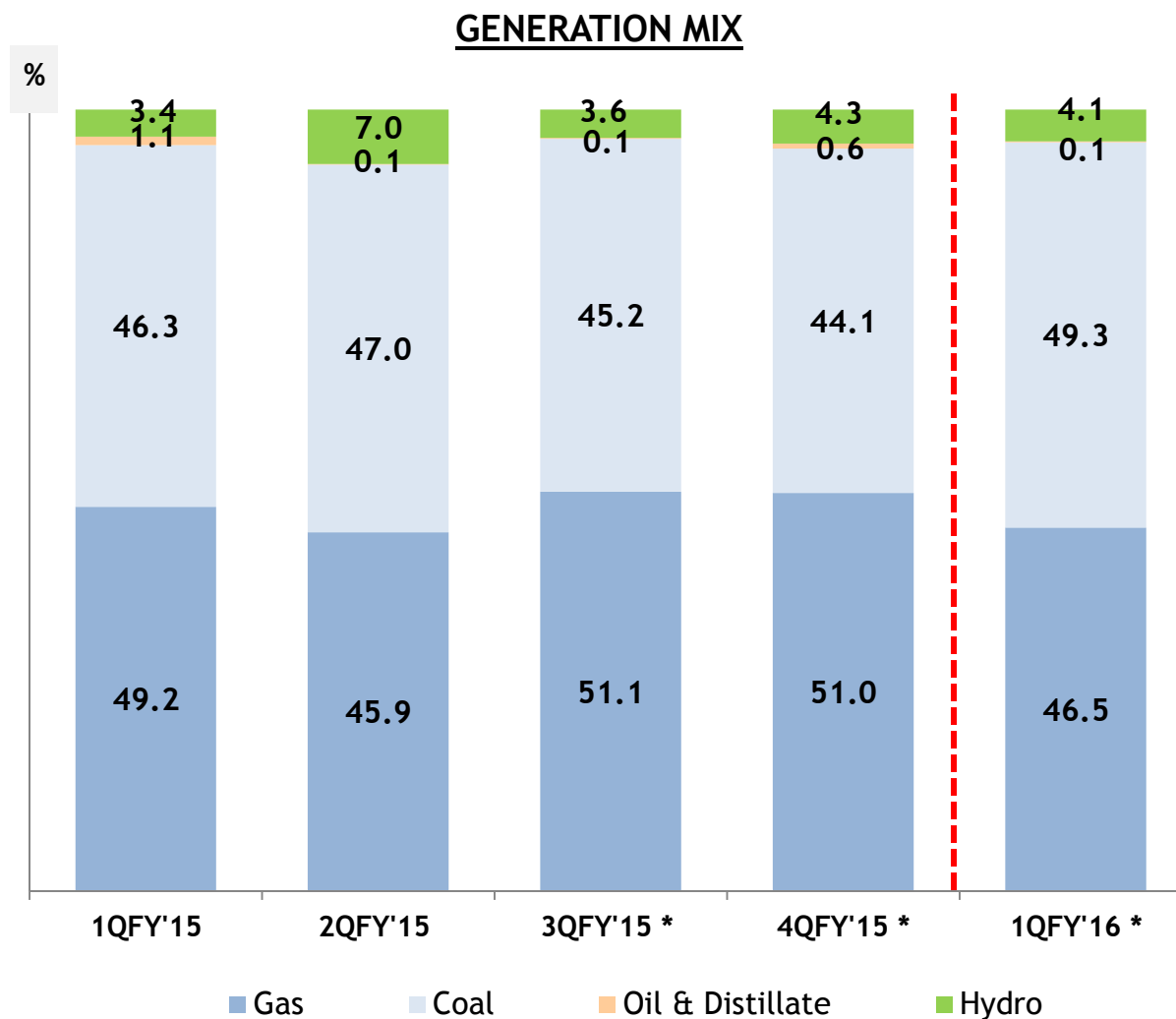
| | 1QFY'16 | 1QFY'15 | Var (%) |
|---|---------|---------|---------|
| Average Coal Price Consumed (USD/MT) FOB | 52.8 | 60.4 | -12.6% |
| Freight | 5.8 | 9.3 | -37.6% |
| Others | 0.4 | 0.5 | -20.0% |
| CIF | 59.0 | 70.2 | -16.0% |
| Average Coal Price Consumed (RM/MT) (CIF) | 254.1 | 230.2 | 10.4% |
| Coal Consumption (mn MT) | 6.1 | 5.6 | 8.9% |

GENERATION MIX (PENINSULA) con't

Quarterly Analysis



Nov 2015



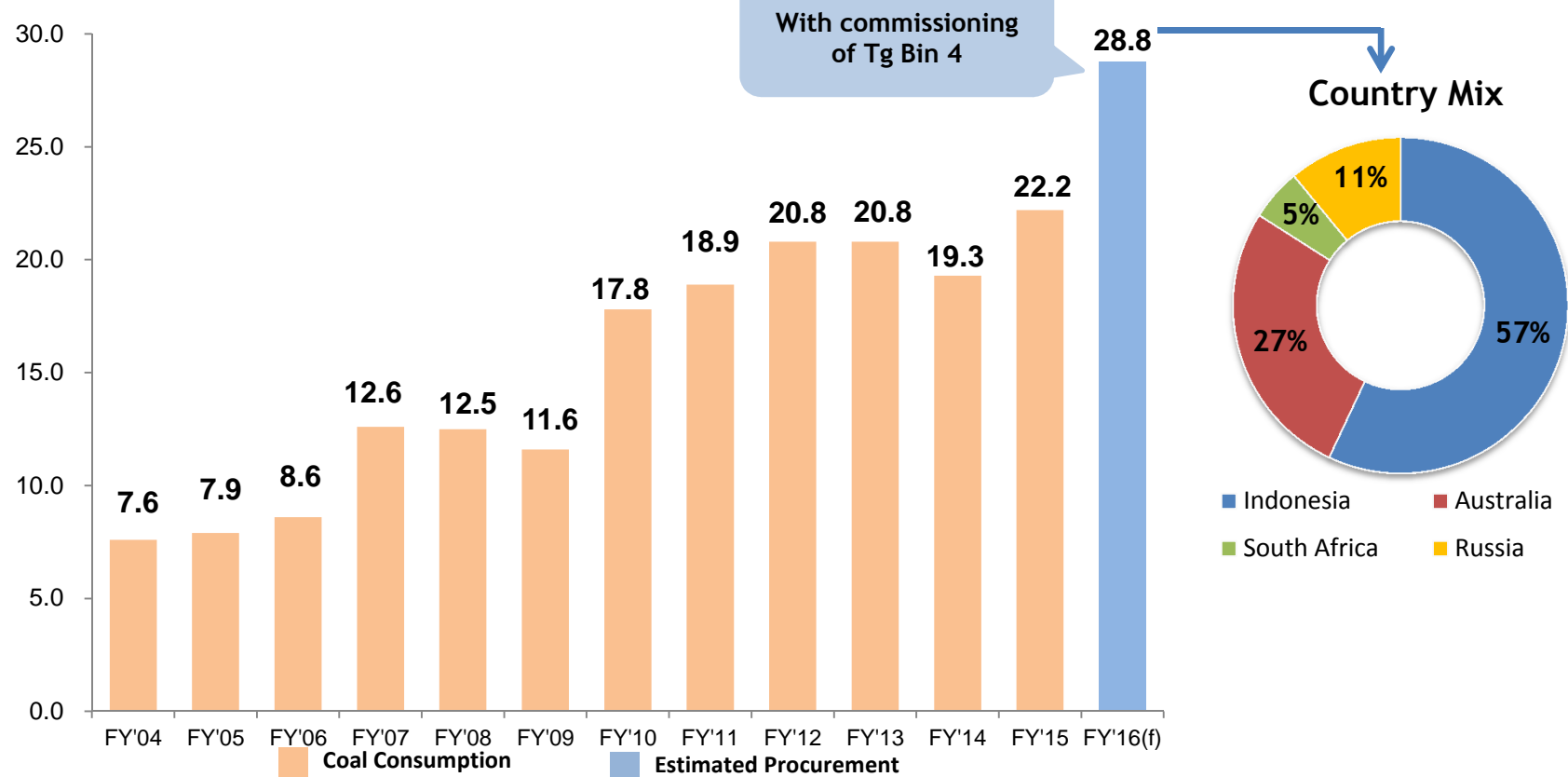
* Includes Manjung 4 (COD on 14th Apr 2015)

COAL REQUIREMENT

Average Coal Price for 1QFY'16 was at USD59.0/MT

| Average Coal Price (CIF) | FY'10 | FY'11 | FY'12 | FY'13 | FY'14 | FY'15 | 1QFY'16 |
|--------------------------|-------|-------|-------|-------|-------|-------|---------|
| (USD/metric tonne) | 88.2 | 106.9 | 103.6 | 83.6 | 75.4 | 66.0 | 59.0 |
| (RM/metric tonne) | 293.8 | 325.9 | 321.9 | 259.5 | 244.6 | 236.0 | 254.1 |

Tonne (mn)



ELECTRICITY GROWTH IN PENINSULA

3.2% Growth in Electricity Demand

| UNITS SALES | | FY2015 | | | | FY2016 | | | |
|-------------|------------|--------|--------|--------|--------|--------|-------|-------|--------|
| | | 1Q | 2Q | 3Q | 4Q | Sept | Oct | Nov | 1Q |
| Industrial | Gwh | 10,973 | 10,976 | 10,761 | 11,009 | 3,764 | 3,572 | 3,765 | 11,101 |
| | Growth (%) | 3.1 | 1.6 | 1.7 | 0.1 | 1.6 | (0.3) | 2.1 | 1.2 |
| Commercial | Gwh | 9,018 | 8,860 | 8,990 | 9,361 | 3,142 | 3,054 | 3,173 | 9,369 |
| | Growth (%) | 3.4 | 3.1 | 1.4 | 2.0 | 9.6 | 1.6 | 0.9 | 3.9 |
| Domestic | Gwh | 5,538 | 5,338 | 5,775 | 6,121 | 2,004 | 1,947 | 1,935 | 5,886 |
| | Growth (%) | 3.0 | 2.1 | 4.1 | 2.5 | 8.8 | 3.2 | 6.9 | 6.3 |
| Others | Gwh | 496 | 493 | 462 | 483 | 162 | 163 | 165 | 490 |
| | Growth (%) | 6.9 | 5.6 | (0.9) | 0.6 | (3.6) | (0.6) | 0.6 | (1.2) |
| TOTAL | Gwh | 26,025 | 25,667 | 25,988 | 26,974 | 9,072 | 8,736 | 9,038 | 26,846 |
| | Growth (%) | 3.3 | 2.3 | 2.1 | 1.3 | 5.7 | 1.1 | 2.6 | 3.2 |

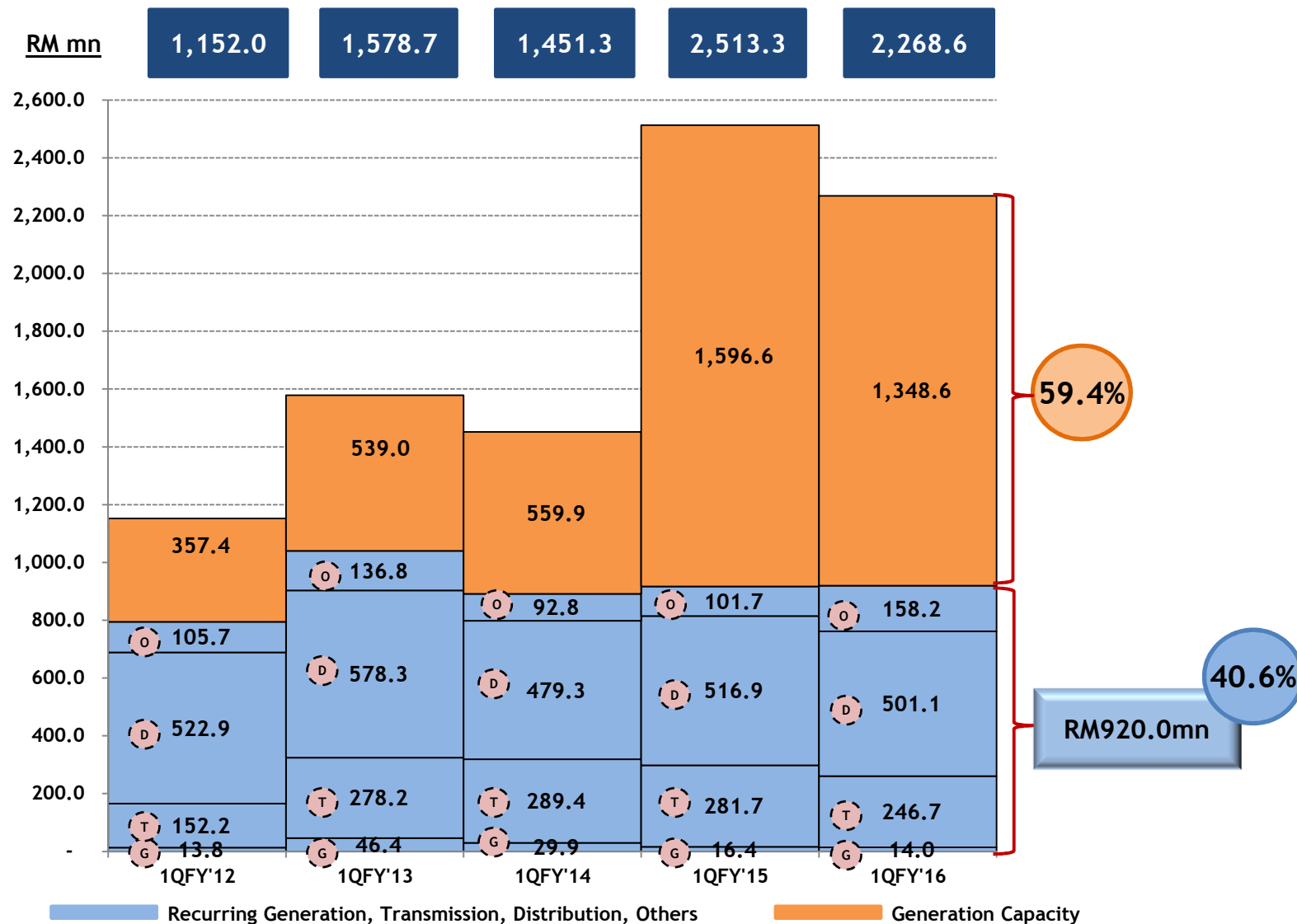
FY'15
2.2%

1QFY'16
3.2%

| | 1QFY'16 | 1QFY'15 |
|------------|---------|---------|
| Growth (%) | 3.2 | 3.3 |

CAPITAL EXPENDITURE

Major Projects Represent 59.4% of Total CAPEX



DISCLAIMER



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THANK YOU