ANALYST BRIEFING 2QFY2025

2 September 2025 | Business Lounge, TNB Platinum

TNB Bukit Selambau & TNB Bukit Selambau Dua

Stable 1HFY2025 performance backed by positive RP4 determination and strengthening electricity demand

1HFY2025

Financial

Profit After Tax (PAT)

RM2,214.2 mil

+1.1%

(Y-o-Y) (1HFY2024: RM2,190.3 mil)

Stable financial performance

Peak Demand

21,049MW

Recorded on 28 May 2025 at 2030 hours

IBR Regulatory Period 4 (RP4)

✓ **New tariff schedule effective 1 July 2025**

Tariff schedule restructuring via 3 key changes:

1) **Cost reflective:** voltage-based categories
2) **Transparent:** itemised billing charges
3) **Energy Efficiency Incentive** and enhanced Time of Use (ToU) scheme

Monthly Automatic Fuel Adjustment (AFA) mechanism replacing half-yearly Imbalance Cost Pass-Through (ICPT) mechanism

Energy Commission (EC) issued revised Regulatory Implementation Guidelines 2025
28 July 2025

Dividend

Dividend Payout

66%

(Based on adjusted PATAMI)

Interim Dividend Per Share of 25.0 sen

Regulated CAPEX

RM5.2 bil spent

Demand Growth | **Energy Transition** | **Security of Supply**

Robust growth continues, demand powered by data centres and stronger economic activities

Electricity Demand

Y-o-Y: Recorded positive demand growth

Units sold 1HFY2025

69,380GWh

Driven mainly by:

Commercial sector growth

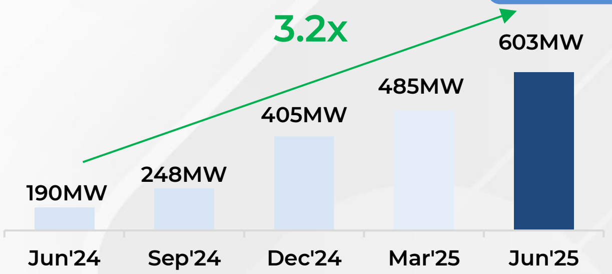
▲ **6.5%**

Fueled by data centres and business services & retails consumption

Data Centre

Y-o-Y Load utilisation

Energy Consumption
1,852GWh
in 1HFY2025



Projects Completed

In 2QFY2025:

3 Projects | **740MW** Total capacity

As of 1HFY2025:

24 Projects | **3.5GW** Total capacity

ESA Signed

YTD Progress:

- 5 projects 480MW — 1HFY2025
- 2 projects 253MW — 1 July - 15 August 2025

47
Total projects secured

6.7GW*
Total capacity

*As of 15 August 2025

Business Services & Retails

10,336GWh
Units sold in 1HFY2025

43%
of total commercial sector consumption

Accelerating Malaysia’s role in ASEAN’s energy transition through regional collaboration, strategic partnerships and brand leadership

Joint Development Agreement (JDA): Vietnam – Malaysia - Singapore

Trilateral JDA

- **Aim:** Harness **Vietnam’s offshore wind** to supply to the region via **submarine cables to Peninsular Malaysia, with potential future links to Singapore**
- Joint feasibility studies on:
  - ➢ **Grid interconnection**
  - ➢ **Transmission infrastructure**
  - ➢ **Energy storage integration to ensure stable supply**
- **Potential project COD is by 2034**

Industry Intelligence Exchanges

Energy Asia 2025

ASEAN Business Community Development (ABCD) Forum 2025

- **Leading ASEAN’s energy transition:** Advancing People, Planet and Prosperity while safeguarding energy security
- **Coal-to-clean shift**: Targeting 10GW RE by 2030, including 500MW solar and 2.5GW floating solar
- **Strategic grid investment**: Upgrading the grid to integrate more RE and boost resilience
- **Strengthening regional energy links (especially ASEAN Power Grid projects):**
  - i. Vietnam–Malaysia–Singapore
  - ii. Malaysia–Indonesia
  - iii. Malaysia–Sabah & Sarawak
- **Green lifestyles**: Encouraging EV adoption and consumer participation

Achievement

Brand Finance®

Ranked #2 strongest utility brand globally

AAA brand strength rating with Brand Strength Index (BSI) score of 88.9/100

Strong consumer confidence and focus on sustainability

Strongest Utilities Brands 2025

#1	State Grid Corporation of China	92.6
#2	Tenaga Nasional	88.9
#3	PLN	86.2
#4	Endesa	85.2
#5	Iberdrola	84.8
#6	EDF	84.5
#7	KOGAS	79.1
#8	GD Power Development	79.0
#9	Saudi Electricity Company	77.5
#10	National Grid	76.4

We continue executing our strategic pillars to deliver sustainable growth while progressing towards net zero

Deliver Clean Generation

Domestic

Hydro

Nenggiri Hydro Project (300MW)
Achieved 50% completion
(COD: 2QFY2027)

Sungai Perak Hydro Life Extension Programme (700MW)
20% overall progress
1st unit at Chenderoh (COD: 4QFY2026) (8MW)

Battery Storage

Battery Energy Storage System (BESS) at Lahad Datu, Sabah (100MW/400MWh)
Partial Initial Operation Date (IOD)
of 50MW / 200MWh achieved on 20 June 2025

Land Solar

Corporate Green Power Programme (CGPP) (154MWp)
All 3 sites progress are on-track with COD target in 2025

Large Scale Solar 5 (LSS5) (686MWp)
Target to achieve Financial Close by 4QFY2025

LSS Sabah Programme (22.5MWp)
Target PPA signing by 3QFY2025

Centralised Solar Park (750MWp)
Target for CRESS by end 2025 (300MWp / 200MWac)

Hybrid Hydro

Pilot Project at Kenyir Hydro (154kWp)

Hybrid Hydro-Floating Solar (Kenyir) (150MWp)
Progressing steadily with 68% pre-development completed
Completed EPCC tender technical evaluation;
Final stage of commercial evaluation

International

Land Solar

Eastfield

Bunkers Hill

Solar Greenfield Development (UK) (102MWp)
Both Eastfields (35MWp) and Bunkers Hill (66.7MWp) plants are exporting at 100% capacity

707MW + 300MW
300MW / 1,200MWh
Land Wind & Solar

Dinawan Energy Hub (Australia) (1,007MW)
Submitted for grid planning approvals

Progress across key initiatives is driving energy transition and unlocking growth from prosumers

Develop Energy Transition Network

Transmission and Distribution CAPEX

Total Regulated CAPEX Utilisation
RM5.2 bil

CAPEX for Demand Growth
RM2.2 bil

Key Projects

500kV Overhead Line Bentong South – Lenggeng

270 Transmission towers

99km Total transmission length

Project serves as the **backbone of the National Grid System**

Full COD: August 2025

Smart Meter Installation Progress:

38%

Installed 136,890 units

Achieved 72% as of July 2025

FY2025 Target: 360,000 units

Cumulative to date: 4,635,605 units

Distribution Automation Penetration Progress:

41%

1,649 substations

Achieved 53% as of July 2025

FY2025 Target: 4,026 substations

Cumulative to date: 34,554 substations

Pilot Battery Energy Storage System (BESS) Development at Santong

Overall Progress

37% completion

COD: December 2026

Dynamic Energy Solutions

Electric Vehicle (EV)

TNB Charge Points

28

FY2025 Target: >250 charge points

Commissioned 103 charge points as of July 2025

Green Lane Supply Connections

~4MW Completed connections >> **~8MW** Connections to be completed in 2025

No. of applications in Pre-consultation: **379** @ 109MW

GSPARX

36MWp Secured Capacity >> **100MWp** FY2025 Target

Energy Efficiency

myTNB app

As of June 2025, **myTNB Energy Budget feature subscriptions exceeded 2.3 mil users**

(**>100% increase** from -876k users in December 2024)

Virtual Energy Manager (VEM)

Digital energy management platform solution offered to CelcomDigi to promote energy efficiency

PAT in 1HFY2025 driven by stable overall performance

REVENUE

▲ 17.4%

1HFY2025

RM32,873.7 mil

1HFY2024: RM28,007.2 mil

EBITDA

▲ 3.7%

1HFY2025

RM10,269.9 mil

EBITDA MARGIN: 32.0%*

1HFY2024: RM9,904.5 mil
EBITDA MARGIN: 29.8%*

PAT

▲ 1.1%

1HFY2025

RM2,214.2 mil

1HFY2024: RM2,190.3 mil

Key factors contributing to the overall performance are:

- **Overall Group revenue grew by 17.4%** contributed by increase in **sales of electricity,** attributable to the higher RP4 approved base tariff; and
- **Improvement in foreign exchange** due to the strengthening of MYR against USD.

**EBITDA / (Revenue + ICPT)*

Group earnings supported by;
i. Improved generation performance
ii. World-class network performance

Equivalent Plant Availability Factor, EAF (Generation) %

1HFY2025

86.07%

1HFY2024: 78.7%

2025 Target: 83.2%

>> **Improved overall performance by power plants**

System Minutes (Transmission) Minutes

1HFY2025

0.0001

1HFY2024: 0.0001

2025 Internal Threshold: 1.5

SAIDI (Distribution Network) Minutes

1HFY2025

23.56

1HFY2024: 23.92

2025 Internal Threshold: 48.0

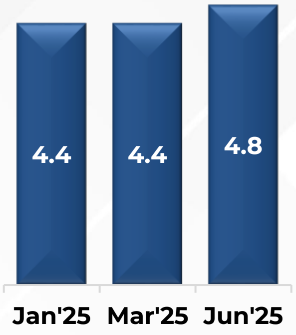
>> 

World class network performance safeguarded our regulated business earnings

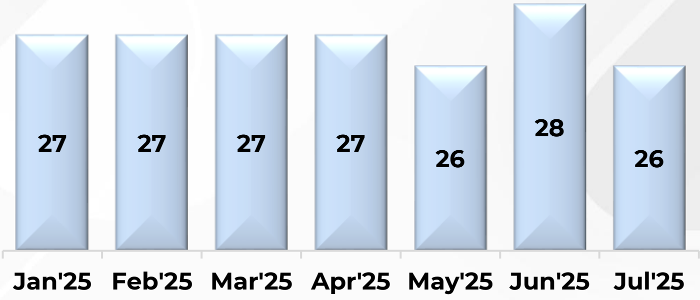
Receivables supported by stable collection trend and regulatory certainty, strengthening our cash flow position

Trade Receivables and Collection

Trade Receivables (RM bil)



Average Collection Period (Days)

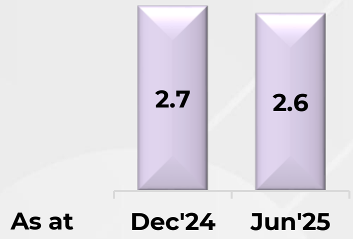


Stable collection trend

The **average collection period is maintained below 30 days**, with focused efforts in strengthening overall collection efficiency

Regulatory Receivables

Receivables Balance (RM bil)



- ✓ **Fully recovered all amount up to 31 December 2024**
- ✓ Regulatory receivables comprise all items under IBR, with the amount for Jun’25 inclusive of receivables arising from the **transition period** (Jan-Jun’25)

AFA and Outlook

- **Monthly Automatic Fuel Adjustment (AFA) mechanism effective 1 July 2025** (AFA for Jul’25: 0.00 sen/kWh & Aug’25: -1.45 sen/kWh)
- **Coal price has stabilised** at 92.67 USD/MT[1] in June 2025 (vs 116.6 USD/MT[1] in June 2024)

Outlook

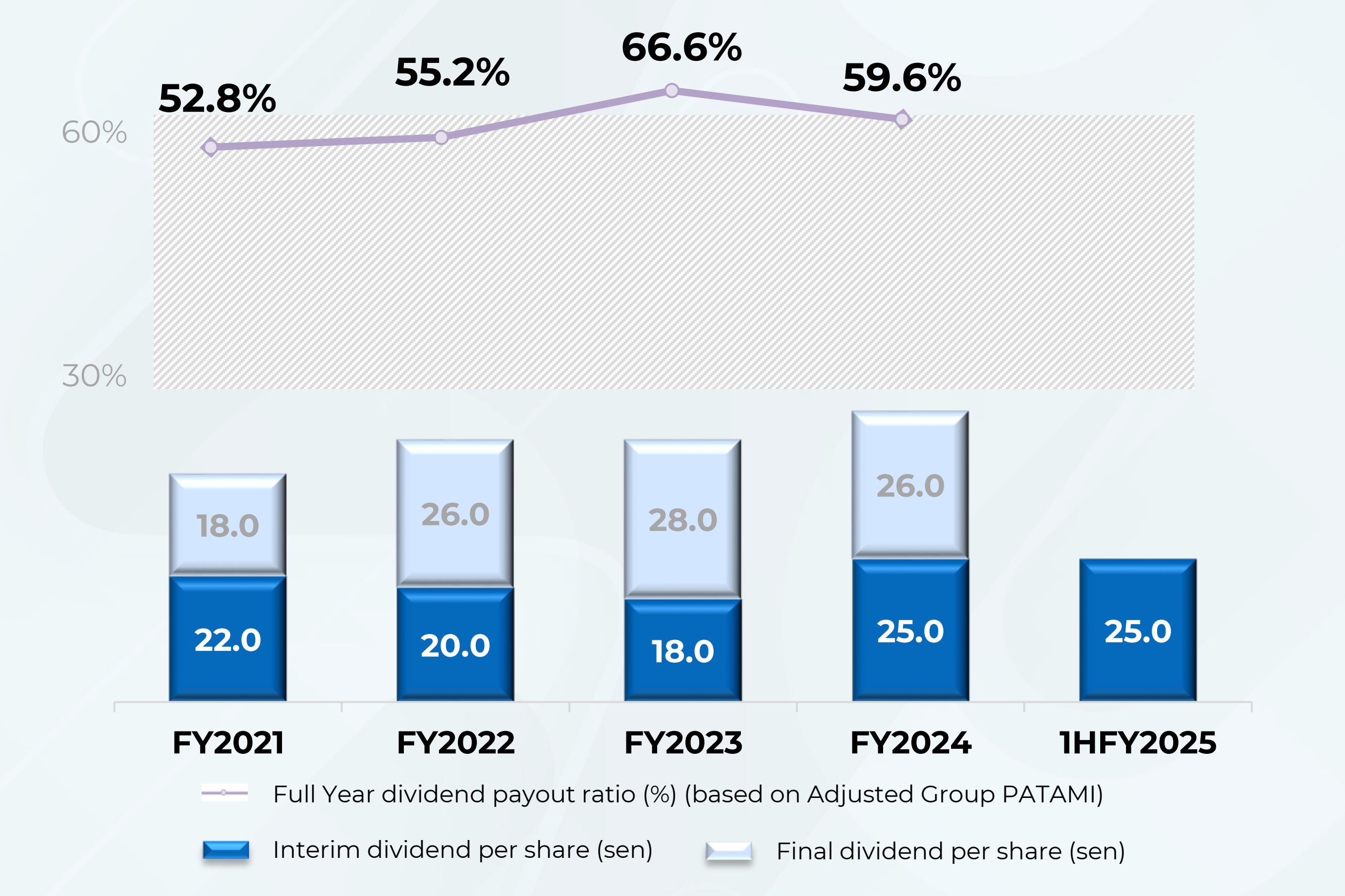
- Stabilising fuel prices, strong collection trend and AFA mechanism will:
  - ✓strengthen working capital management; and
  - ✓provide a healthier cash flow position.

[1]*Source: globalCOAL Newcastle index*

Our stable performance enables us to continue rewarding shareholders with an interim dividend payout while maintaining a prudent capital structure

DIVIDEND POLICY

We will continue to honour our dividend policy of 30% to 60% dividend payout ratio, based on the TNB Group Consolidated Net Profit Attributable to Shareholders After Minority Interest (PATAMI), excluding Extraordinary and Non-Recurring items (adjusted PATAMI)



1HFY2025 Dividend Payout >> **RM1.5 bil**

We strive to deliver our targets towards achieving sustainable business growth

Electricity Demand

Demand growth is projected to be between

2.8%* - 3.8%

Projected GDP between 4.0% - 4.8%

*IBR Forecast

Group CAPEX Forecast

Total Group CAPEX:

~RM18 bil

Regulated capex: ~RM12 bil

Non-regulated capex: ~RM6 bil

Capital Management

- Committed in utilising the CAPEX through delivery of projects that drive growth and returns
- Healthy cash position with prudent working capital management, maintaining flexibility to gear up, if required

Delivering Value to our Shareholders

We remain committed to honour our dividend policy and strive to provide sustainable dividends to shareholders

Sustainable Growth

TNB aspires to be a leading provider of sustainable energy solutions in Malaysia and internationally

✓ We are pleased to announce that TNB released its **Sustainability Report 2024** in July 2025

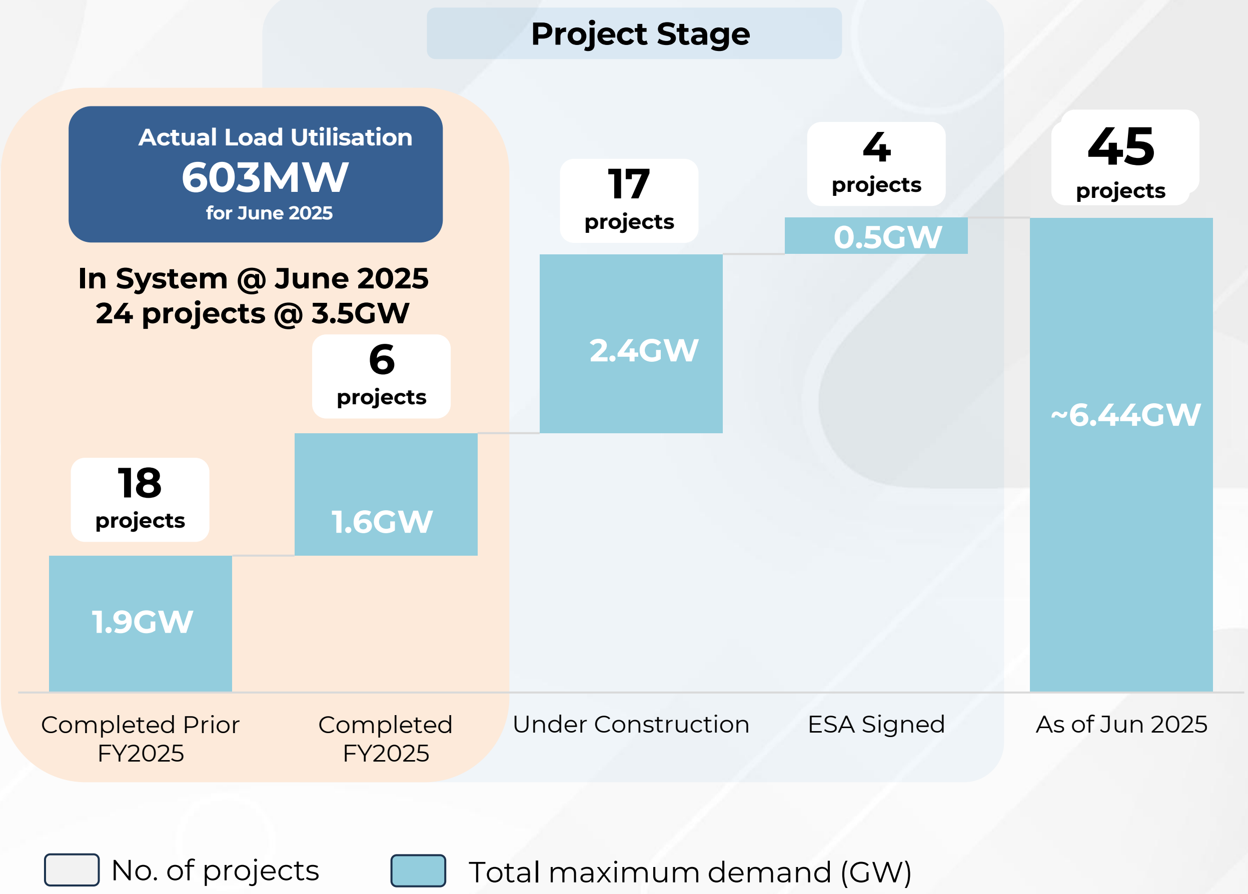
Appendix

1HFY2025

- *Strategy Deployment*
- *Details on Financial Results*
- *Generation Business Performance*
- *International Business Performance*
- *Shareholdings*

TNB remains focused on meeting Malaysia's growing electricity demand, supported by data centre expansion, with ongoing projects advancing as planned

2QFY2025 Achievements



Key Highlights

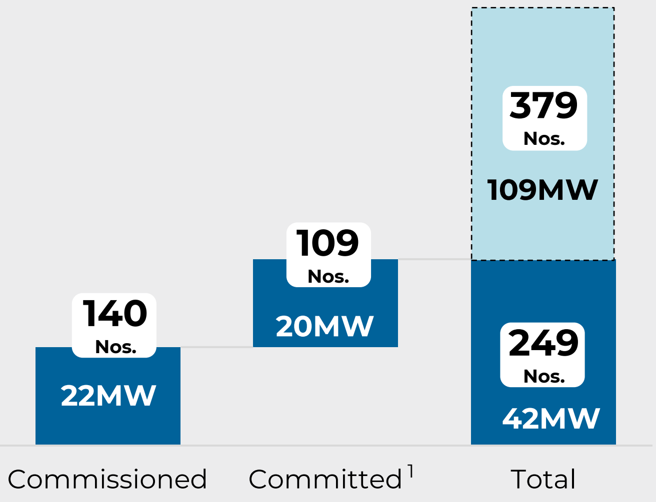
June 2025: TNB and DayOne have signed Malaysia's first Corporate Renewable Energy Supply Scheme (CRESS) deal — the largest so far.

Under the Bilateral Energy Supply Contract (BESC), DayOne will be powered by up to 500MW of renewable energy, starting with 200MW. This marks a major step in Malaysia's move towards a low-carbon economy.

TNB accelerates Malaysia's EV adoption with dual strategy: powering CPOs and expanding charge point network

EV Ecosystem

Green Lane Supply Connections



Maximum Demand

No. of Supply Connections (Nos.)

Potential (Pre-consultation)

Data since inception (November 2022)

YTD Electricity Sales (CPO)

~6.1GWh

~RM3.7mil

EV Charge Points

4,486 units

Data as at June 2025[2]

EVs on the road

~55,940 units

Data as at June 2025

2025 EV Potential

~73,000 units

by Dec 2025[3]

Key Highlights

TNB Charge Points

28 installed in 1HFY2025

>250 Additional Charge Points in FY2025

Installed 103 charge points as of July 2025

- In 1HFY2025, 28 Charge Points were energised at AEON Mall, PLUS Highway, Polytechnic Behrang and TNB Premises.

- In May 2025, TNB, Perak Corp via its subsidiary Hotel Casuarina@Meru signed an MoU to support Perak Sejahtera 2030 and the National Energy Transition Roadmap (NETR) by accelerating EV adoption.

[1] Committed including construction and supply application stage

[2] PLAN Malaysia - Malaysia Electric Vehicle Charge Network

[3] Malaysia Zero Emission Vehicle Association (MyZEVA)

GSPARX transforms consumers into prosumers through rooftop solar, advancing Malaysia's green energy

Key Customers Secured — 18.1MWp

Majlis Amanah Rakyat, MARA Ph. 3
- To install 9,758kWp rooftop solar PV at multiple MARA owned premises across Peninsular Malaysia
- Target to be delivered stage by stage and completion by 1QFY2026

Princeton Digital Group Data Center
- To install 688kWp rooftop solar PV at PDG Data Center in Sedenak Tech Park, Johor
- Target to be delivered by 4QFY2025

Pejabat Setiausaha Kerajaan Negeri Sembilan
- To install 557kWp rooftop solar pejabat Setiausaha Kerajaan Negeri Sembilan in Seremban
- Target to be delivered by 4QFY2025

Perbadanan Putrajaya
- To install 405kWp rooftop solar PV at Perbadanan Putrajaya Tower Office in Putrajaya
- Target to be delivered by 3QFY2025

Tenaga Cable Industries Ph. 2
- To install 302kWp rooftop solar PV and carpark solar BIPV at TCI cable manufacturing plant in Bangi, Selangor
- Target to be delivered by 4QFY2025

Others: 6,340kWp

Dynamic Energy Solutions

Since Inception (2019) – 1HFY2025

3,534 Cumulative Projects secured

540MWp Cumulative Secured Capacity

1HFY2025

36MWp Secured Capacity » **100MWp** 2025 Target

Partnership with Sime Darby Property

14 SDP sites **2.9MWp*** » **9** Sites completed at **0.6MWp** | **5** Sites in progress at **2.3MWp**

**Revised capacity due to Public Distribution License regulation and client's preference*

Y-o-Y analysis

RM mil		1HFY'25	1HFY'24	Variance RM mil	Variance %
Revenue	1	32,873.7	28,007.2	4,866.5	17.4
Imbalance Cost Pass Through (ICPT)	2	(764.5)	5,175.2	(5,939.7)	>(100.0)
Operating expenses (without depreciation)	3	(22,204.4)	(23,744.6)	1,540.2	(6.5)
Net reversal on impairment of financial instruments		(25.8)	(45.0)	19.2	(42.7)
Other operating income		390.9	511.7	(120.8)	(23.6)
EBITDA		**10,269.9**	**9,904.5**	**365.4**	**3.7**
EBITDA Margin (%)*		32.0%	29.8%	-	2.1%
Depreciation		(5,831.2)	(5,638.5)	(192.7)	3.4
EBIT		**4,438.7**	**4,266.0**	**172.7**	**4.0**
Foreign exchange:					
- Translation	4	350.6	(66.5)	417.1	>(100.0)
- Transaction		30.2	18.3	11.9	65.0
Share of results of joint ventures		7.8	7.0	0.8	11.4
Share of results of associates	5	27.1	258.4	(231.3)	(89.5)
Profit before finance cost		**4,854.4**	**4,483.2**	**371.2**	**8.3**
Fair value changes of financial instruments		(85.0)	39.1	(124.1)	>(100.0)
Finance income		365.0	315.3	49.7	15.8
Finance cost		(1,978.8)	(2,040.9)	62.1	(3.0)
Profit from ordinary activities before taxation and zakat		**3,155.6**	**2,796.7**	**358.9**	**12.8**
Taxation and Zakat:					
- Company and subsidiaries	6	(973.7)	(578.7)	(395.0)	68.3
- Deferred taxation		32.3	(27.7)	60.0	>(100.0)
Profit for the period (PAT)		**2,214.2**	**2,190.3**	**23.9**	**1.1**
Attributable to:					
- Owners of the Company		2,216.1	2,159.8	56.3	2.6
- Non-controlling interests		(1.9)	30.5	(32.4)	>(100.0)
		2,214.2	**2,190.3**	**23.9**	**1.1**

**EBITDA / (Revenue + ICPT)*

Y-o-Y analysis:

1. Refer Revenue slide.
2. Decrease in ICPT due to lower power purchase cost, mainly from lower fuel prices.
3. Refer Operating Expenses slide.
4. Forex translation gain mainly contributed by the strengthening of MYR against USD.
5. 1HFY'24: Higher mainly due to change in accounting and tax treatment under hyper-inflationary experienced by our associate in Turkey, of RM213.7 mil. This has a corresponding impairment of the same amount.
6. Higher current tax expense mainly due to cessation of reinvestment allowance and increase in expenses not allowable for tax such as interest restriction.

Q-o-Q analysis

RM mil		2QFY'25	1QFY'25	Variance RM mil	Variance %
Revenue	1	16,835.0	16,038.7	796.3	5.0
Imbalance Cost Pass Through (ICPT)	2	(589.3)	(175.2)	(414.0)	>100.0
Operating expenses (without depreciation)	3	(11,365.2)	(10,839.2)	(526.0)	4.9
Net reversal on impairment of financial instruments		(7.2)	(18.6)	11.4	(61.3)
Other operating income		209.6	181.3	28.3	15.6
EBITDA		**5,082.9**	**5,187.0**	**(104.0)**	**(2.0)**
EBITDA Margin (%)*		31.3%	32.7%	-	-1.4%
Depreciation		(2,965.9)	(2,865.3)	(100.6)	3.5
EBIT		**2,117.0**	**2,321.7**	**(204.6)**	**(8.8)**
Foreign exchange:					
- Transaction		23.5	6.7	16.8	>100.0
- Translation	4	318.4	32.2	286.2	>100.0
Share of results of joint ventures		2.7	5.1	(2.4)	(47.1)
Share of results of associates		12.6	14.5	(1.9)	(13.1)
Profit before finance cost		**2,474.2**	**2,380.2**	**94.1**	**4.0**
Fair value changes of financial instruments		(58.5)	(26.5)	(32.0)	>100.0
Finance income		194.6	170.4	24.2	14.2
Finance cost		(1,008.9)	(969.9)	(39.0)	4.0
Profit from ordinary activities before taxation and zakat		**1,601.4**	**1,554.2**	**47.3**	**3.0**
Taxation and Zakat:					
- Company and subsidiaries		(491.6)	(482.1)	(9.5)	2.0
- Deferred taxation		63.6	(31.3)	94.9	>(100.0)
Profit for the period (PAT)		**1,173.4**	**1,040.8**	**132.7**	**12.7**
Attributable to:					
- Owners of the Company		1,158.1	1,058.0	100.2	9.5
- Non-controlling interests		15.3	(17.2)	32.5	>(100.0)
		1,173.4	**1,040.8**	**132.7**	**12.7**

**EBITDA / (Revenue + ICPT)*

Q-o-Q analysis:

1. Overall Group revenue grew by 5.0% contributed by increase in TNB electricity sales by 7.2%.
2. ICPT adjustment mainly due to lower fuel prices (coal and gas).
3. Refer Operating Expenses slide.
4. Forex translation gain contributed by the strengthening of MYR against USD and JPY.

Y-o-Y normalised EBITDA and PAT for 1HFY2025

EBITDA Components		1HFY'25 RM mil	1HFY'24 RM mil
Reported EBITDA		10,269.9	9,904.5
MFRS16 impact	1	(1,953.0)	(1,976.9)
Normalised EBITDA		8,316.9	7,927.6

PAT Components		1HFY'25 RM mil	1HFY'24 RM mil
Reported PAT		2,214.2	2,190.3
Forex Translation		(350.6)	66.5
MFRS16 impact	1	332.1	337.8
Normalised PAT		2,195.7	2,594.6

1

MFRS16 impact:

	1HFY'25 RM mil	1HFY'24 RM mil	Variance RM mil
Capacity Payment	1,953.0	1,976.9	(23.9)
Depreciation	(1,597.7)	(1,642.3)	44.6
Finance Cost	(792.3)	(769.8)	(22.5)
Deferred Tax	104.9	97.4	7.5
Net Impact	**(332.1)**	**(337.8)**	**5.7**

Higher overall Group revenue from sales of electricity

		2QFY'25	1QFY'25	Variance (2QFY'25 vs 1QFY'25)			1HFY'25	1HFY'24	Variance (1HFY'25 vs 1HFY'24)	
UNITS SOLD		**GWh**	**GWh**	**GWh**	**%**		**GWh**	**GWh**	**GWh**	**%**
Sales of Electricity (GWh)										
- TNB	1	33,768.6	31,508.6	2,260.0	7.2	2	65,277.2	65,019.9	257.3	0.4
- SESB		1,722.8	1,592.4	130.4	8.2		3,315.2	3,287.7	27.5	0.8
- Energy Export		115.8	108.7	7.1	6.5	3	224.5	0.6	223.9	>100.0
- TNBI*		331.6	221.3	110.3	49.8		552.9	536.5	16.4	3.1
Total Units Sold (GWh)		**35,938.8**	**33,431.0**	**2,507.8**	**7.5**		**69,369.8**	**68,844.7**	**525.1**	**0.8**
REVENUE		**RM mil**	**RM mil**	**RM mil**	**%**		**RM mil**	**RM mil**	**RM mil**	**%**
Sales of Electricity (RM)										
- TNB	1	13,673.8	12,569.3	1,104.5	8.8	2	26,243.1	26,235.3	7.8	0.0
- SESB		594.4	555.7	38.7	7.0		1,150.1	1,145.1	5.0	0.4
- Accrued Revenue		(43.8)	68.3	(112.1)	>(100.0)		24.5	82.5	(58.0)	(70.3)
- Energy Export		30.5	57.0	(26.5)	(46.5)	3	87.5	0.4	87.1	>100.0
- TNBI		253.7	184.7	69.0	37.4		438.4	475.4	(37.0)	(7.8)
Sales of Electricity		**14,508.6**	**13,435.0**	**1,073.6**	**8.0**		**27,943.6**	**27,938.7**	**4.9**	**0.0**
Other Regulatory Adjustment		1,596.2	1,998.3	(402.1)	(20.1)	4	3,594.5	(1,207.6)	4,802.1	>100.0
Tariff Support Subsidy		93.7	81.9	11.8	14.4		175.6	153.3	22.3	14.5
Fuel Subsidy - SESB		95.2	87.9	7.3	8.3		183.1	152.8	30.3	19.8
Total Sales of Electricity		**16,293.7**	**15,603.1**	**690.6**	**4.4**		**31,896.8**	**27,037.2**	**4,859.6**	**18.0**
Goods & Services		427.3	331.7	95.6	28.8		759.0	763.6	(4.6)	(0.6)
Construction contracts		34.8	29.4	5.4	18.4		64.2	61.8	2.4	3.9
Customers' contribution		79.2	74.5	4.7	6.3		153.7	144.6	9.1	6.3
Total Revenue		**16,835.0**	**16,038.7**	**796.3**	**5.0**		**32,873.7**	**28,007.2**	**4,866.5**	**17.4**

**Refer International Investments slide for details*

1 2QFY'25 vs 1QFY'25: Higher sales of electricity contributed by higher electricity demand recorded in all sectors.

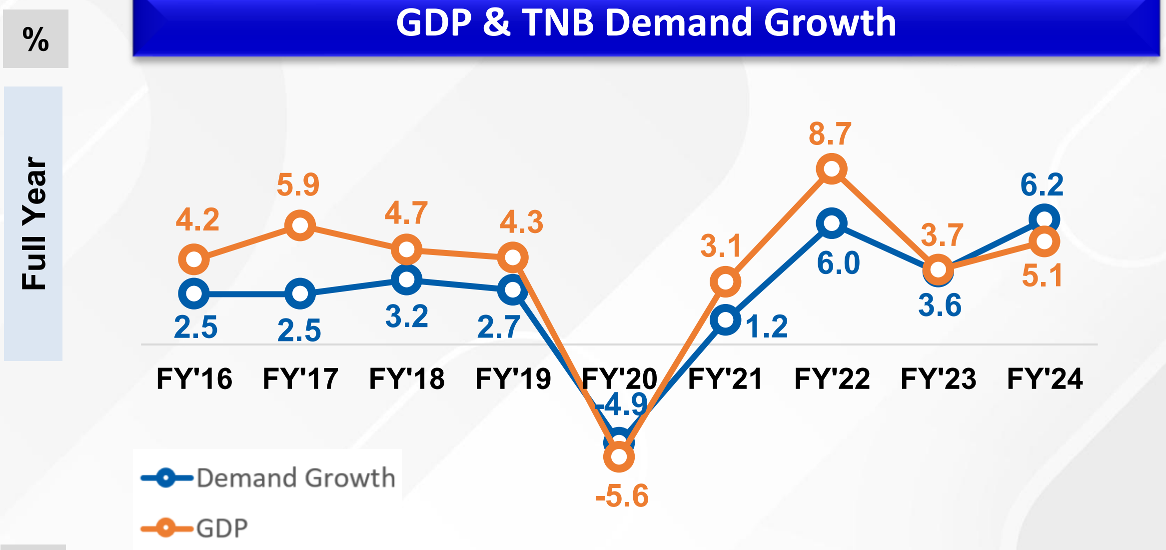
2 1HFY'25 vs 1HFY'24: Higher sales of electricity driven by higher demand recorded by commercial sector.

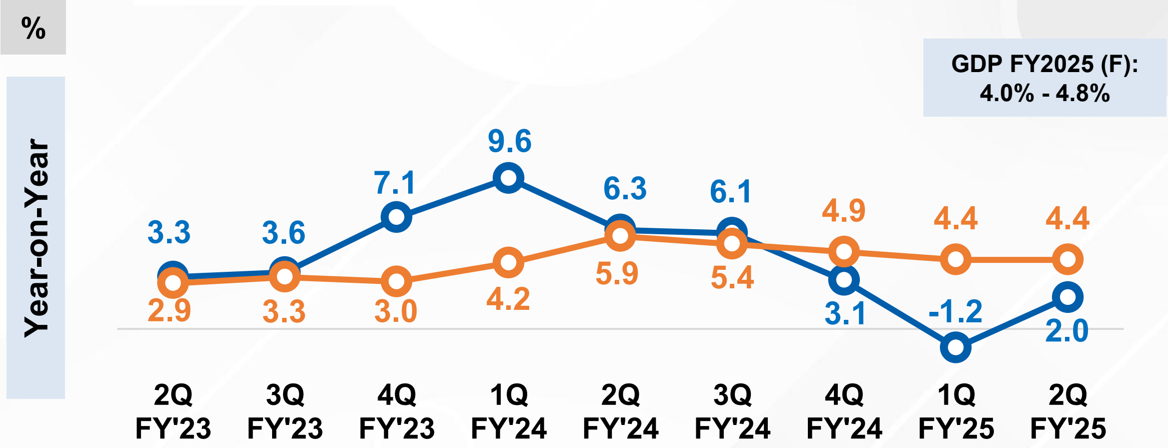
3 Higher energy export from cross border electricity sales (CBES) that commenced in 4QFY'24.

4 Refer Other Regulatory Adjustment slide.

Y-o-Y stable electricity demand aligns with GDP growth

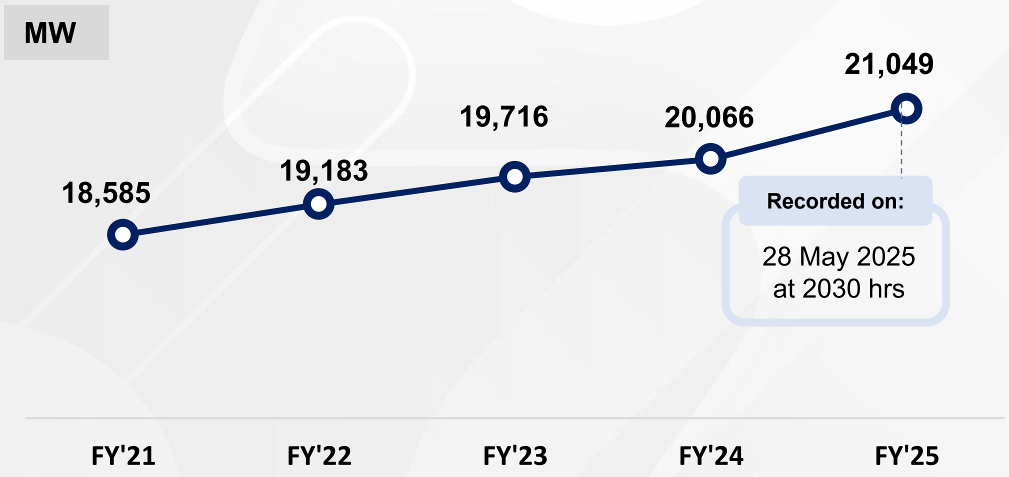
GDP & TNB Demand Growth





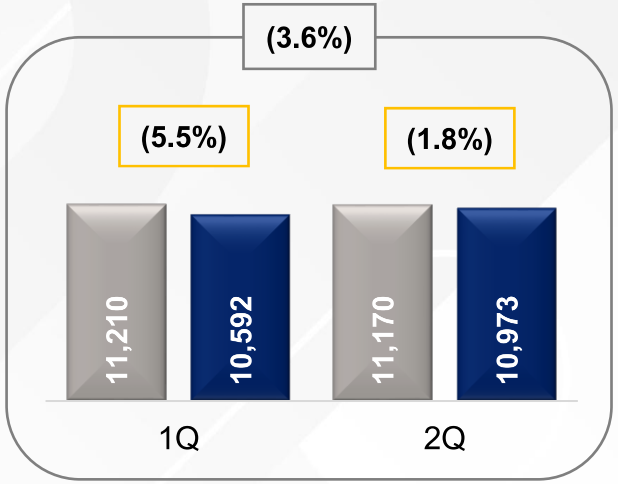
Source : Economic and Financial Developments in Malaysia in the Second Quarter of 2025, BNM

TNB (Peninsular) Yearly Peak Demand

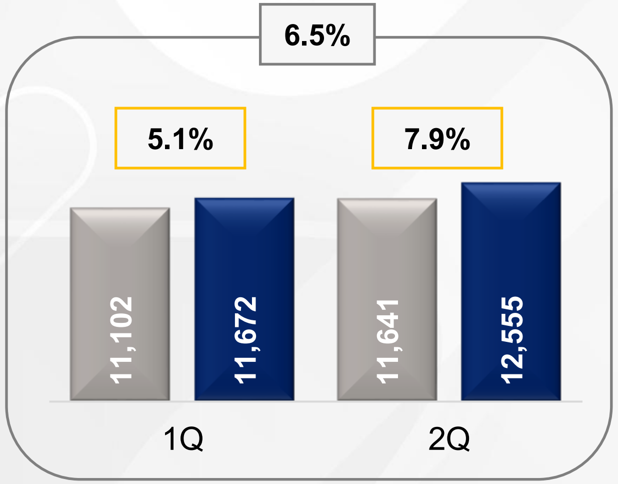


Commercial sector demand grew by 6.5%, supporting the lower consumption recorded by industrial and domestic sectors

Industrial



Commercial



1HFY'25 main contributors for the increase in commercial sector:

- Data centre, business services and retails

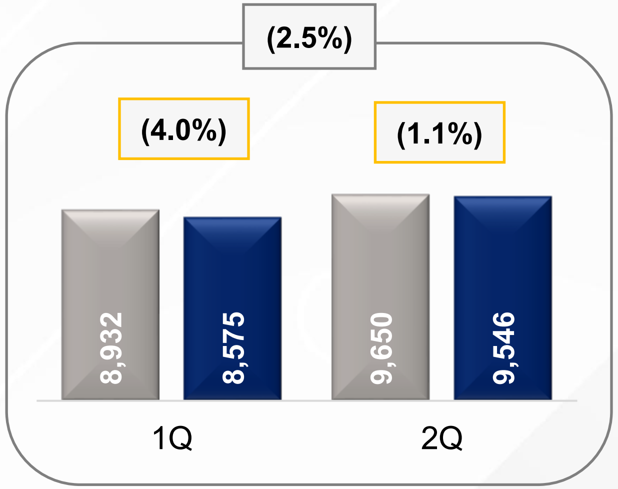
Lower demand recorded from:

- **Industrial** – iron & steel and utility electrical
- **Domestic** – mild weather conditions

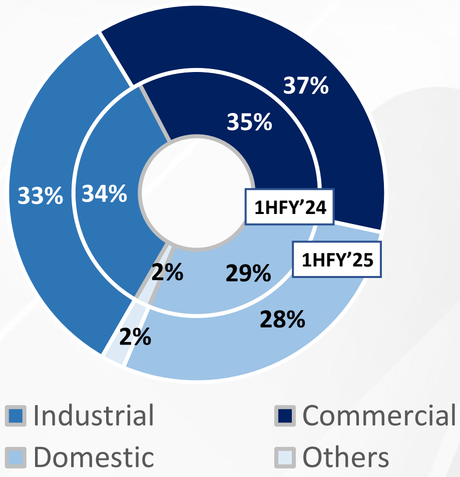
Unit Sales (GWh): FY2024, FY2025

Growth: Y-o-Y, Q-o-Q

Domestic

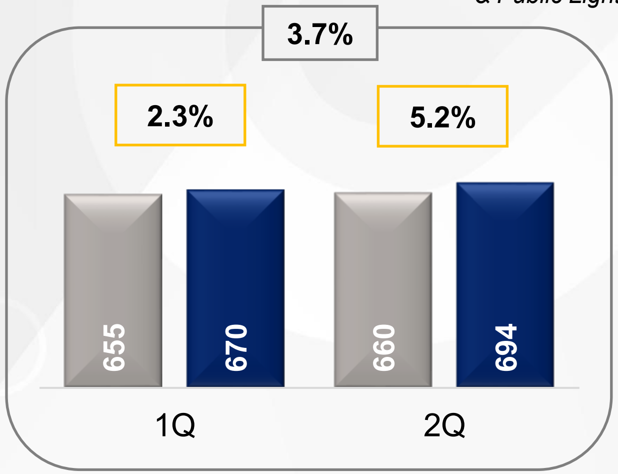


Sector Mix (%) 1HFY'25 vs 1HFY'24



Others*

*includes Agriculture, Mining & Public Lighting



Other Regulatory Adjustment

As at 1HFY2025, other regulatory adjustment of RM3,594.5 mil to be recovered

Components of Other Regulatory Adjustment	1QFY'25 RM mil	2QFY'25 RM mil	1HFY'25 RM mil	1HFY'24 RM mil
Revenue Adjustment for Revenue Cap & Price Cap*	1,982.9	1,617.9	3,600.8	(1,096.5)
Refund Related to Regulated Business	(64.1)	(87.2)	(151.3)	(118.9)
Regulatory Adjustment for SESB	79.5	65.5	145.0	7.8
TOTAL	**1,998.3**	**1,596.2**	**3,594.5**	**(1,207.6)**

*Other Regulatory Adjustment mainly due to the effect of transitioning (Jan - June 2025) from unrevised tariff schedule to new electricity tariff schedule implementation in July 2025.

Lower Y-o-Y operating expenses

	2QFY'25 RM mil	1QFY'25 RM mil	Variance (2QFY'25 vs 1QFY'25) RM mil	%	1HFY'25 RM mil	1HFY'24 RM mil	Variance (1HFY'25 vs 1HFY'24) RM mil	%
Non-TNB IPPs Costs	**4,304.0**	**4,459.9**	**(155.9)**	**(3.5)**	**8,763.9**	**8,928.2**	**(164.3)**	**(1.8)**
Capacity Payment	83.6	84.5	(0.9)	(1.1)	168.1	78.0	90.1	>100.0
Energy Payment	4,220.4	4,375.4	(155.0)	(3.5)	8,595.8	8,850.2	(254.4)	(2.9)
TNB Fuel Costs	**3,988.1**	**3,553.7**	**434.4**	**12.2**	**7,541.8**	**8,887.8**	**(1,346.0)**	**(15.1)**
Fuel Costs	4,168.5	3,672.6	495.9	13.5	7,841.1	8,865.9	(1,024.8)	(11.6)
Fuel Price Adjustment	(180.4)	(118.9)	(61.5)	(51.7)	(299.3)	21.9	(321.2)	>(100.0)
Total OPEX - Fuel and Power Purchase 1	**8,292.1**	**8,013.6**	**278.5**	**3.5**	1 **16,305.7**	**17,816.0**	**(1,510.3)**	**(8.5)**
Staff Costs	**1,071.3**	**1,016.8**	**54.5**	**5.4**	**2,088.1**	**1,918.5**	**169.6**	**8.8**
Repair & Maintenance	**815.7**	**733.4**	**82.3**	**11.2**	**1,549.1**	**1,493.2**	**55.9**	**3.7**
TNB General Expenses 2	**538.4**	**441.5**	**96.9**	**21.9**	2 **979.9**	**863.3**	**116.6**	**13.5**
Subs. COS & General Expenses	**647.7**	**633.9**	**13.8**	**2.2**	3 **1,281.6**	**1,653.6**	**(372.0)**	**(22.5)**
Total OPEX - Non Fuel (without Depreciation)	**3,073.1**	**2,825.6**	**247.5**	**8.8**	**5,898.7**	**5,928.6**	**(29.9)**	**(0.5)**
Total Operating Expenses (without Depreciation)	**11,365.2**	**10,839.2**	**526.0**	**4.9**	**22,204.4**	**23,744.6**	**(1,540.2)**	**(6.5)**
Depreciation & Amortisation 4	**2,965.9**	**2,865.3**	**100.6**	**3.5**	4 **5,831.2**	**5,638.5**	**192.7**	**3.4**
Total Operating Expenses	**14,331.1**	**13,704.5**	**626.6**	**4.6**	**28,035.6**	**29,383.1**	**(1,347.5)**	**(4.6)**

1. Y-o-Y: Lower fuel and power purchase costs mainly due to lower coal price (refer Fuel Costs slide).

   Q-o-Q: Higher fuel costs incurred to support higher demand.

2. Higher TNB general expenses mainly due to higher computer expense for software and cyber-security system maintenance.

3. 1HFY'24 includes impairment of associates (refer Y-o-Y Analysis Note 5).

4. Higher depreciation due to higher assets build up.

Lower overall fuel costs mainly due to lower coal price in 1HFY2025

Table A – TNB & IPP Fuel Costs for Peninsular

Fuel Type	1HFY'25 RM mil	1HFY'24 RM mil	Variance RM mil	Variance %
Coal	8,205.0	8,807.1	(602.1)	(6.8)
Gas	5,740.7	6,248.5	(507.8)	(8.1)
Distillate	66.2	77.7	(11.5)	(14.8)
Oil	43.0	23.9	19.1	79.9
Total *	**14,054.9**	**15,157.2**	**(1,102.3)**	**(7.3)**

*Comprises TNB fuel costs & fuel payments to IPPs (part of Energy Payment), exclude solar.

Table B – TNB & IPP Units Generated for Peninsular

Fuel Type	1HFY'25 GWh	1HFY'25 Gen. Mix (%)	1HFY'24 GWh	1HFY'24 Gen. Mix (%)	Variance GWh	Variance %
Coal	42,159.8	59.7	38,702.3	54.9	3,457.5	8.9
Gas	23,452.7	33.2	26,976.0	38.3	(3,523.3)	(13.1)
Distillate	53.4	0.1	45.7	0.1	7.7	16.8
Hydro	3,285.0	4.7	3,345.9	4.7	(60.9)	(1.8)
Solar	1,658.7	2.3	1,390.6	2.0	268.1	19.3
Total	**70,609.6**	**100.0**	**70,460.5**	**100.0**	**149.1**	**0.2**

Table C – Fuel Costs Related Data

Fuel statistics	1HFY'25	1HFY'24
Average Coal Price Delivered (USD/MT)(CIF)	102.3	112.9
Average Coal Price Delivered (RM/MT)(CIF)	448.3	533.4
Coal Consumption (mil MT)	18.0	16.4
Gas Reference Market Price (RM/mmbtu)	1QFY'25	1QFY'24
	Tier 1: 35.0	Tier 1: 30.0
	Tier 2: 48.0*	Tier 2: 44.7
	2QFY'25	2QFY'24
	Tier 1: 34.8	Tier 1: 35.0
	Tier 2: 44.3*	Tier 2: 47.4
Daily Average Piped Gas Volume (mmscfd)	836	998

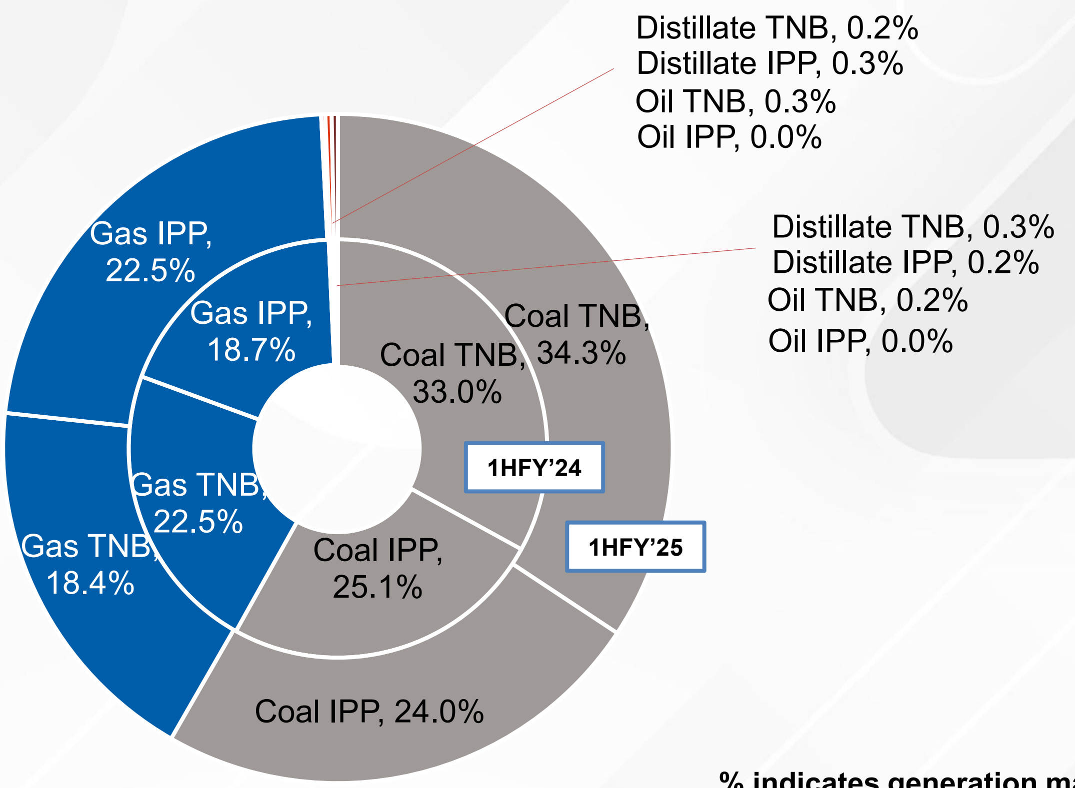
**Average Tier 2 Gas Reference Market Price*

Table D – Average Coal Price Delivered

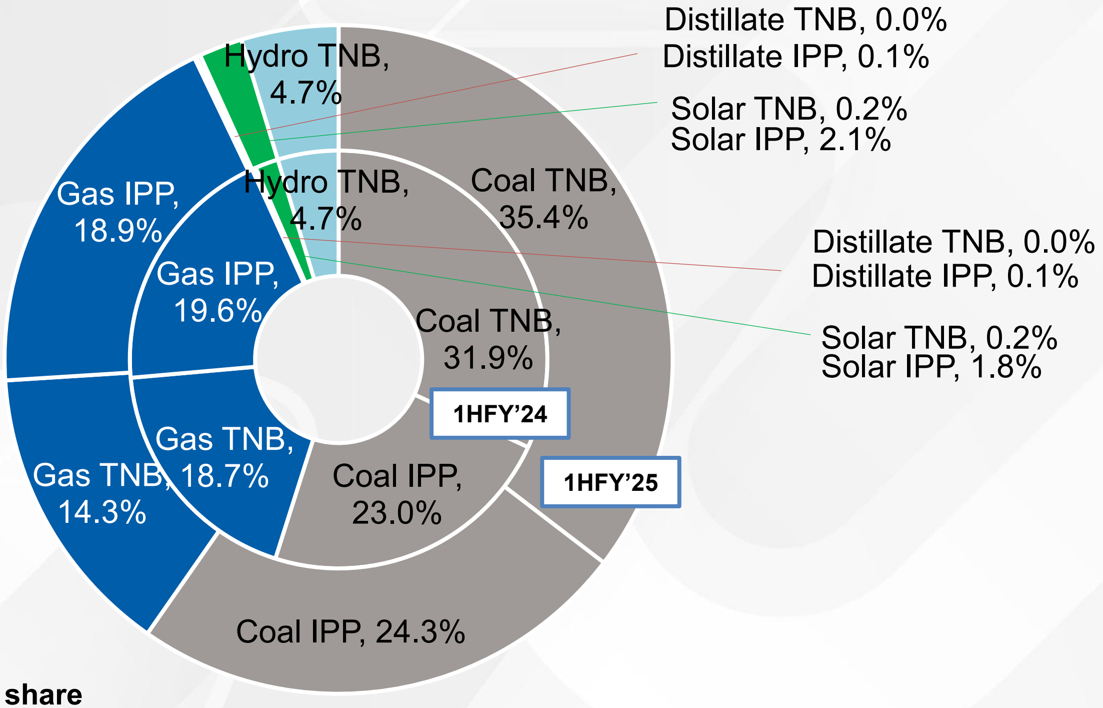
	1HFY'25 USD/MT	1HFY'24 USD/MT	Variance USD/MT	Variance %
FOB	92.6	103.2	(10.6)	(10.3)
Freight	9.3	9.2	0.1	1.1
Others	0.4	0.5	(0.1)	(20.0)
CIF	**102.3**	**112.9**	**(10.6)**	**(9.4)**

Fuel Costs & Units Generated (TNB & IPPs – Peninsular) in 1HFY2025

Fuel Costs



Units Generated



% indicates generation market share

Gas | Coal | Oil & Distillate | Hydro | Solar

Note: Fuel Costs exclude solar and hydro

Higher Q-o-Q fuel costs incurred to support higher demand

Table A – TNB & IPP Fuel Costs for Peninsular

Fuel Type	2QFY'25	1QFY'25	Variance 2QFY'25 vs 1QFY'25	
	RM mil	RM mil	RM mil	%
Coal	4,157.1	4,047.9	109.2	2.7
Gas	2,889.6	2,851.1	38.5	1.4
Distillate	28.5	37.7	(9.2)	(24.4)
Oil	19.3	23.7	(4.4)	(18.6)
Total	**7,094.5**	**6,960.4**	**134.1**	**1.9**

Note: Comprise TNB fuel costs & fuel payments to IPPs (part of Energy Payment), exclude solar.

Table C – Fuel Costs Related Data

Fuel statistics	2QFY'25	1QFY'25
Average Coal Price Delivered (USD/MT)(CIF)	100.1	105.1
Average Coal Price Delivered (RM/MT)(CIF)	431.6	467.6
Coal Consumption (mil MT)	9.6	8.4
Gas Reference Market Price (RM/mmbtu)		
Tier 1:	34.8	35.0
Tier 2:	44.3*	48.0*
Daily Average Piped Gas Volume (mmscfd)	836	836

**Average Tier 2 Gas Reference Market Price*

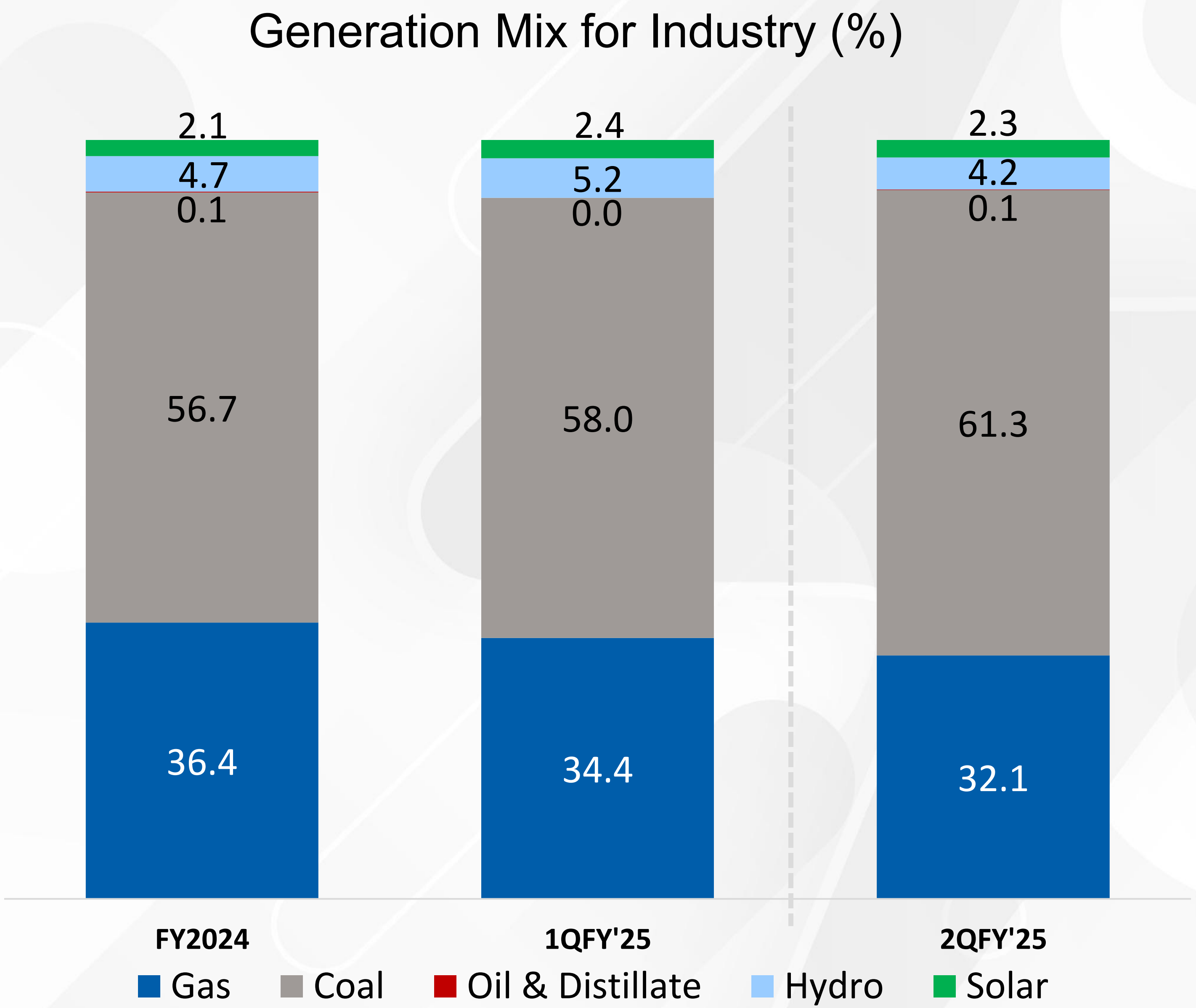
Table B – TNB & IPP Units Generated for Peninsular

Fuel Type	2QFY'25		1QFY'25		Variance 2QFY'25 vs 1QFY'25	
	GWh	Gen. Mix (%)	GWh	Gen. Mix (%)	GWh	%
Coal	22,440.1	61.3	19,719.7	58.0	2,720.4	13.8
Gas	11,740.3	32.1	11,712.4	34.4	27.9	0.2
Distillate	45.0	0.1	8.4	0.0	36.6	>100
Hydro	1,521.2	4.2	1,763.8	5.2	(242.6)	(13.8)
Solar	840.2	2.3	818.5	2.4	21.7	2.7
Total	**36,586.8**	**100.0**	**34,022.8**	**100.0**	**2,564.0**	**7.5**

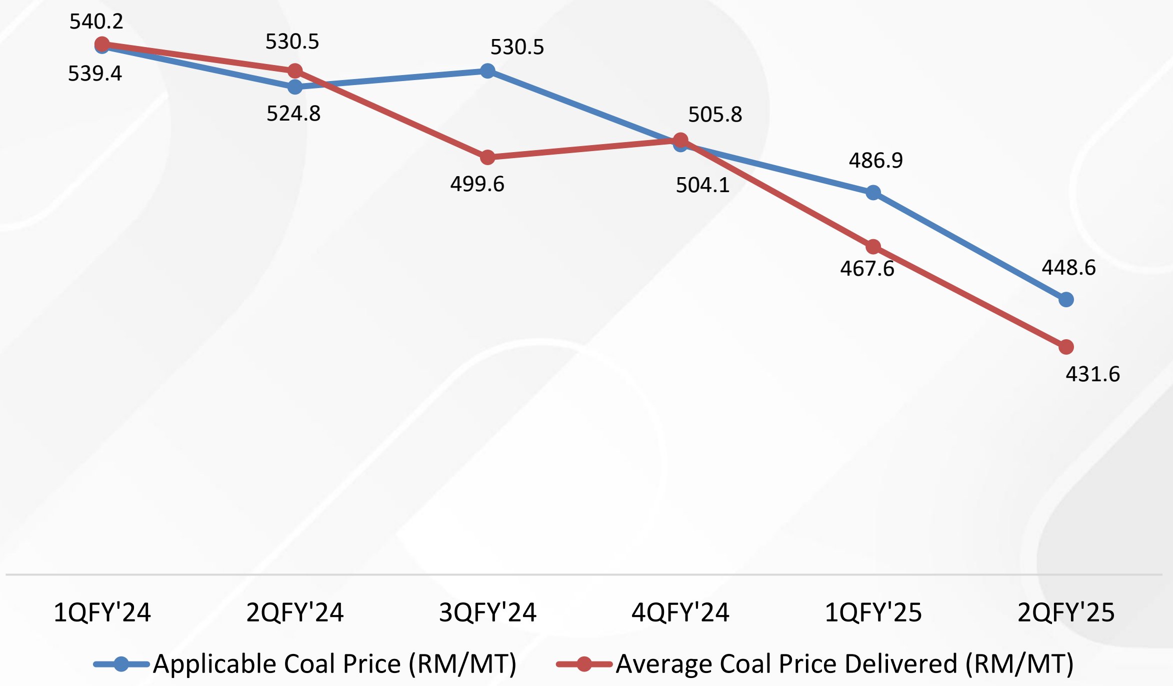
Table D – Average Coal Price Delivered

	2QFY'25	1QFY'25	Variance 2QFY'25 vs 1QFY'25	
	USD/MT	USD/MT	USD/MT	%
FOB	89.9	95.8	(5.9)	(6.2)
Freight	9.7	8.9	0.8	9.0
Others	0.5	0.4	0.1	25.0
CIF	**100.1**	**105.1**	**(5.0)**	**(4.8)**

Higher generation from coal in 2QFY2025



Coal Price Trending



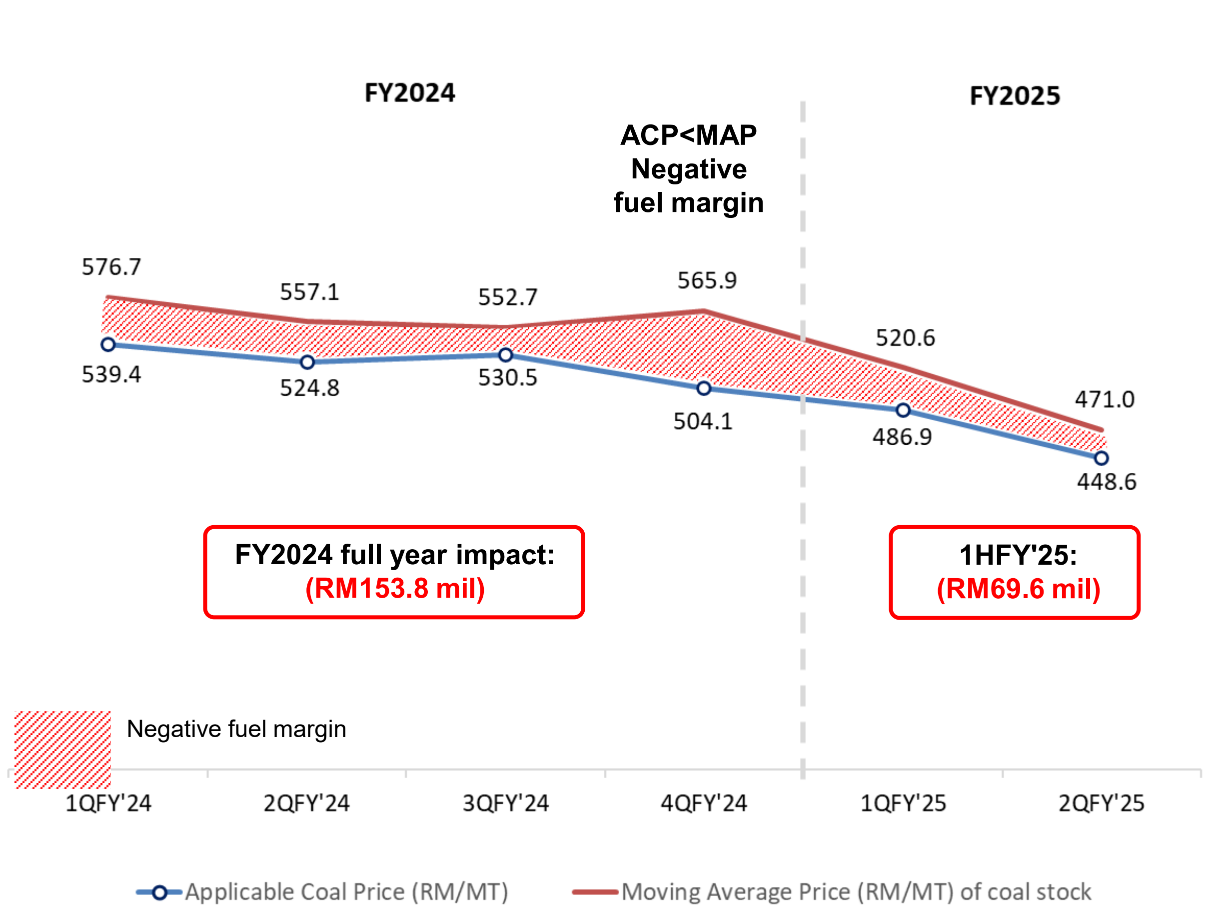
Coal Price & Applicable Coal Price (ACP) comparison

	1QFY'24	2QFY'24	3QFY'24	4QFY'24	1QFY'25	2QFY'25
Average Coal Price Delivered (RM/mmbtu) *	24.81	24.23	22.88	23.17	21.57	19.77
ACP (RM/mmbtu)	24.73	24.13	24.31	23.08	22.31	20.56

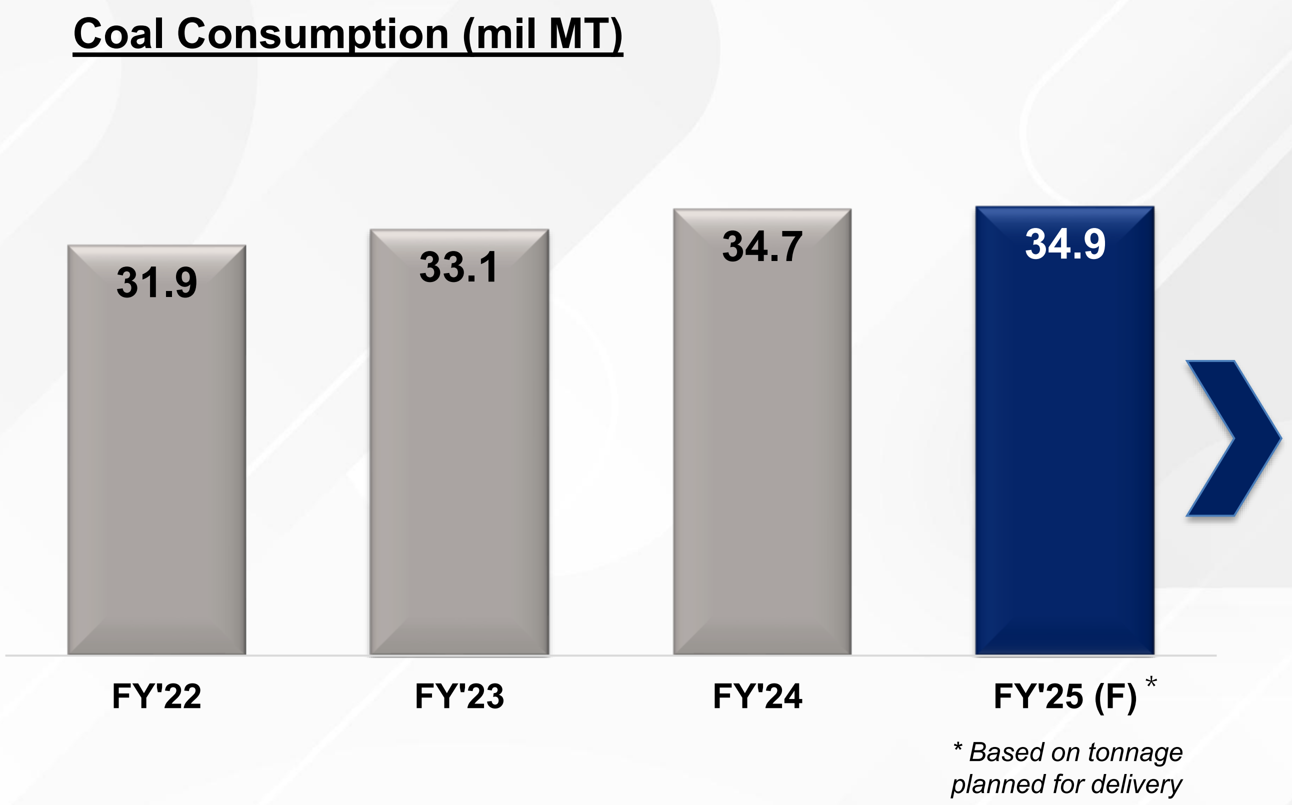
* Based on internal conversion

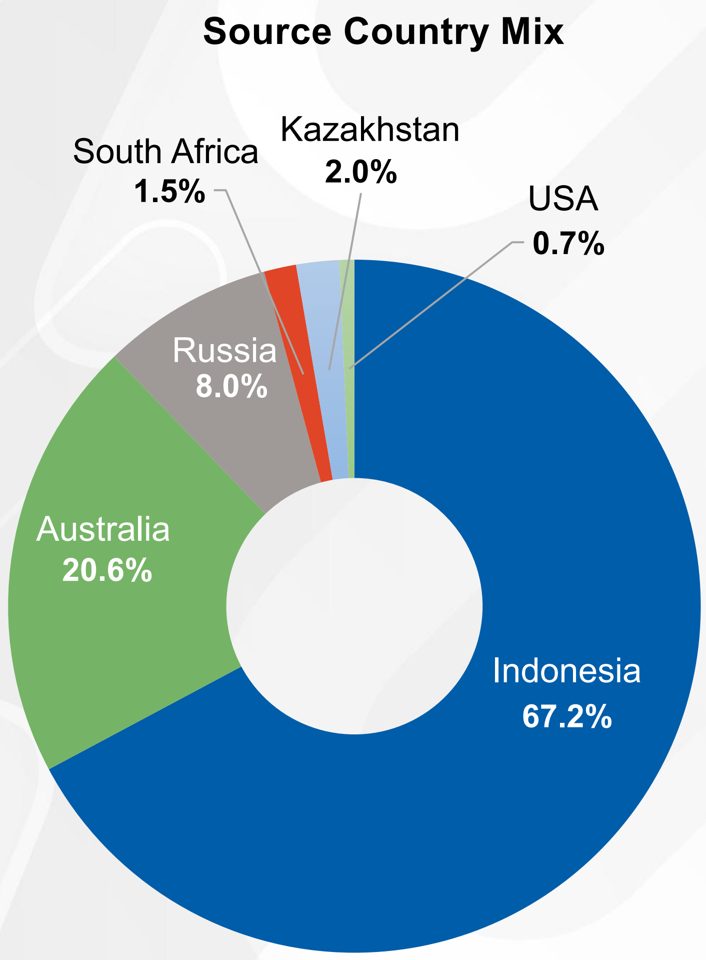
- **Fuel Price Adjustment (FPA)** is the difference between the Applicable Coal Price (ACP) billed to generators and the actual coal price paid to supplier (delivered) by TNBF. The difference is caused by higher or lower coal price or due to currency exchange.
- ACP is set by Energy Commission on a monthly basis starting from August 2022.
- In 2QFY'25, the base ACP (RM20.56/mmbtu) used for billing the generators was higher than the coal price paid to supplier (RM19.77/mmbtu).

Fuel Margin: Applicable Coal Price (ACP) vs Moving Average Price (MAP)

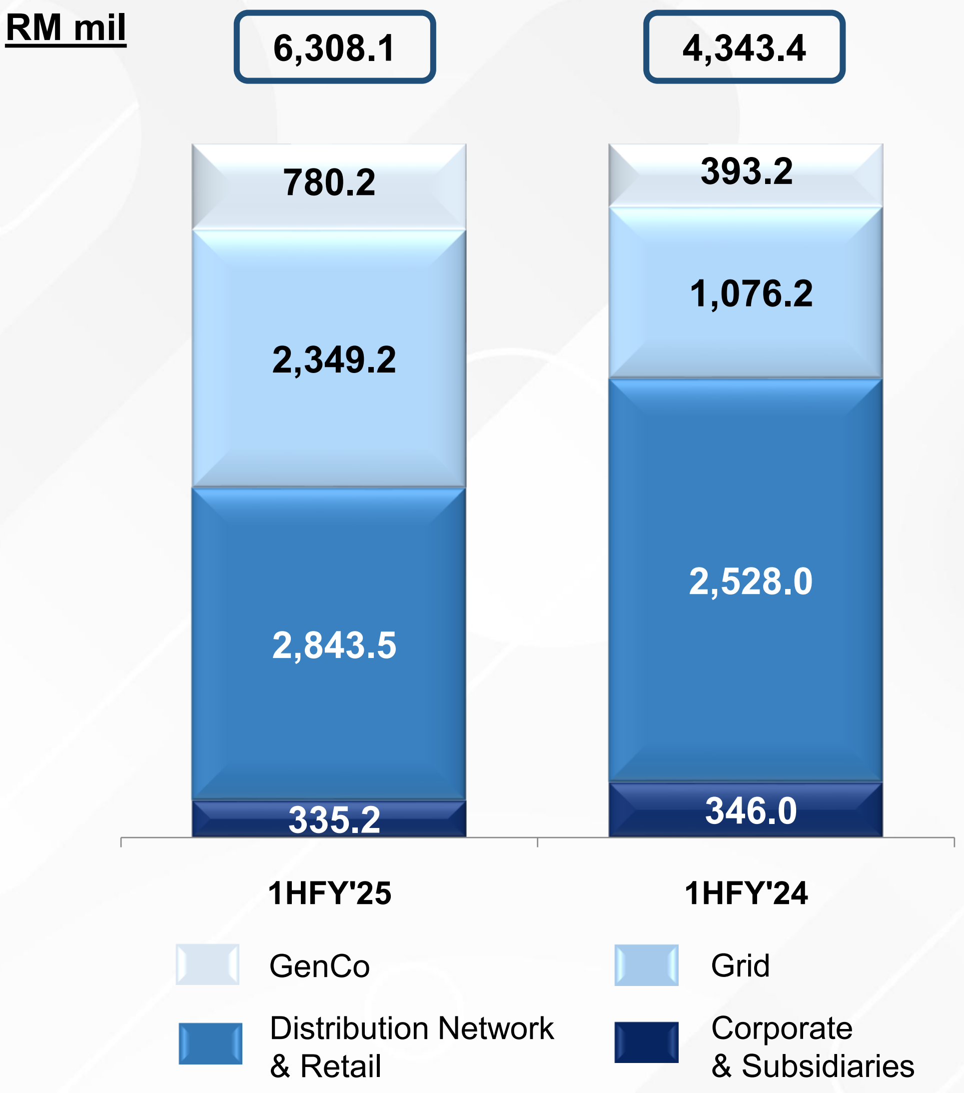


Industry coal requirement forecast for FY2025





Group CAPEX



Note: Numbers manually computed will not match due to decimal variance

Regulated CAPEX and Regulated Asset Base (RAB)

1HFY'25

Actual Regulated CAPEX (RM mil)	Actual Total RAB (RM mil)
5,194.1	71,381.6

Lower gearing recorded at 47.5% as at 1HFY2025

	30 Jun'25	31 Dec'24
Total Debt (RM bil)	57.0	57.4
Net Debt(RM bil)*	36.5	37.4
Gearing (%)	47.5	47.8
Net Gearing (%)	30.4	31.1

4.82%

(FY'24: 4.83%)

Effective Average Cost of Borrowing**

95:5

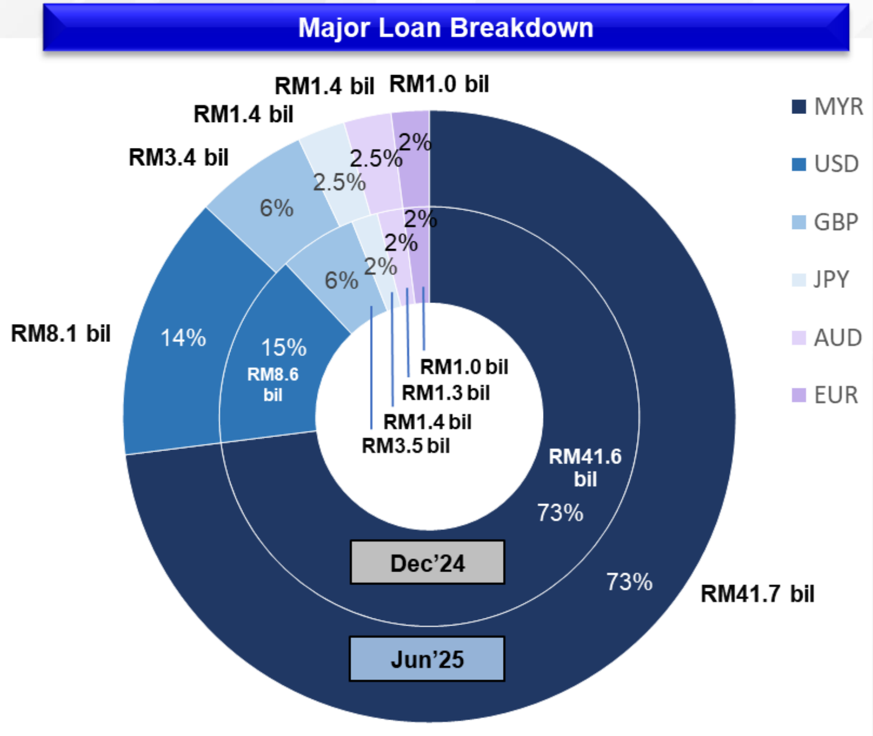
(FY'24: 95:5)

Fixed : Floating

Final Exposure

* *Net Debt excludes deposits, bank and cash balances and investment in UTF*

** *Inclusive of interest rate swap*

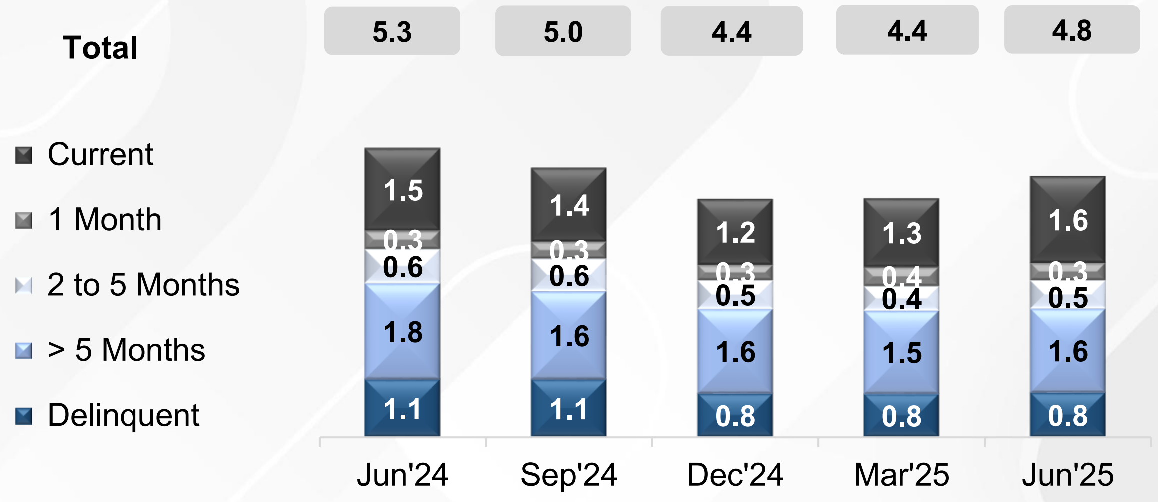


Closing Forex	30 Jun'25	31 Dec'24
USD/RM	4.211	4.471
GBP/RM	5.782	5.606
AUD/RM	2.756	2.775
100YEN/RM	2.926	2.860
EUR/RM	4.939	4.648

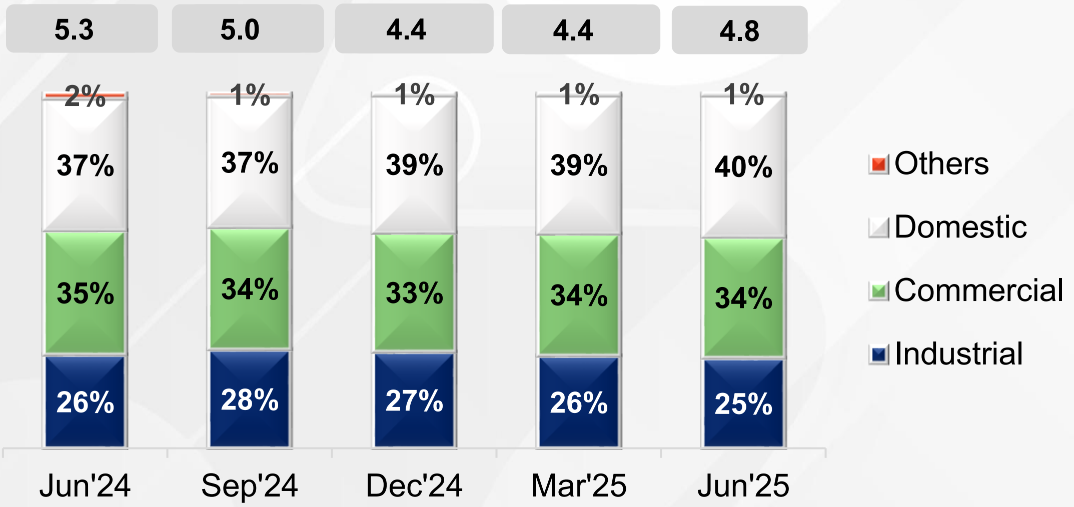
Note: Debt consists of Principal + Accrued Interest

Trade receivables as at 1HFY2025

Trade Debtors Ageing (RM bil)



Trade Receivables by Sectors (RM bil)



Average Collection Period (ACP)

Improvement in ACP:

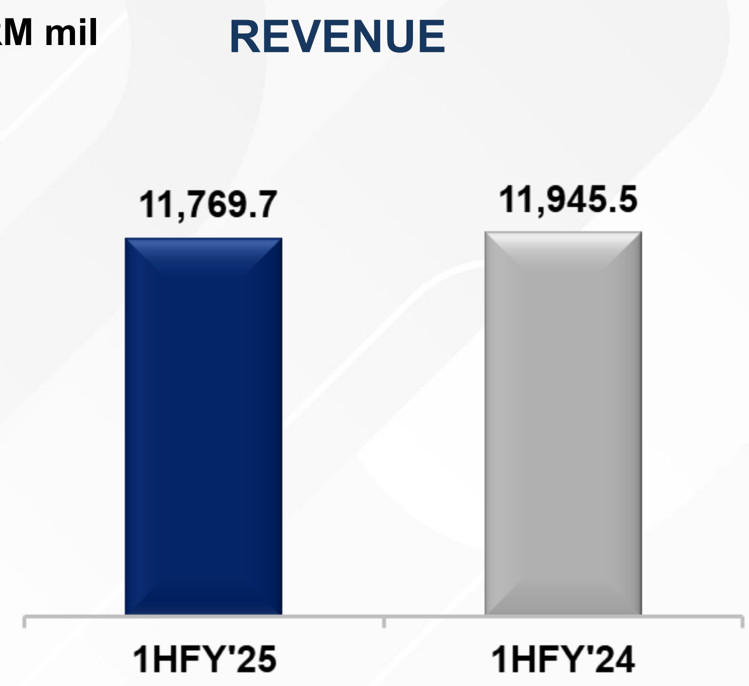
Days	Jun'25	Jun'24
With delinquent accounts	28	31
Without delinquent accounts	23	25

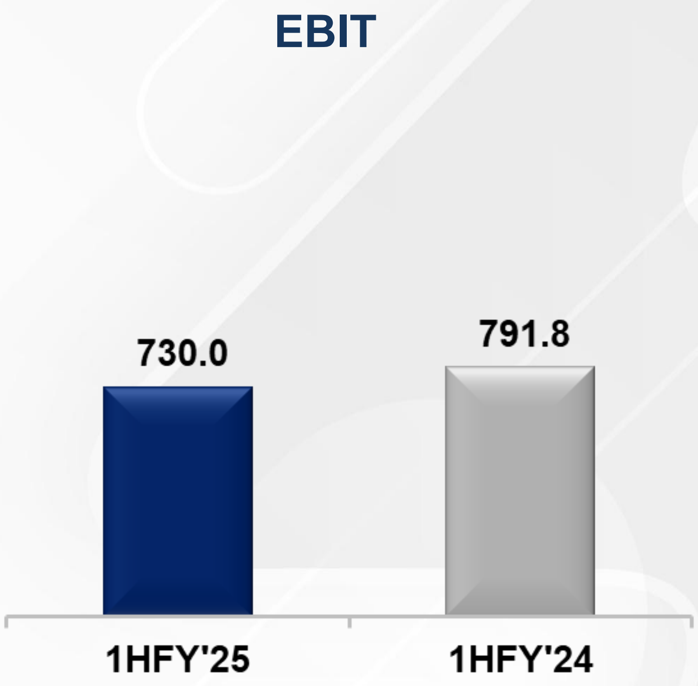
Cash Flow

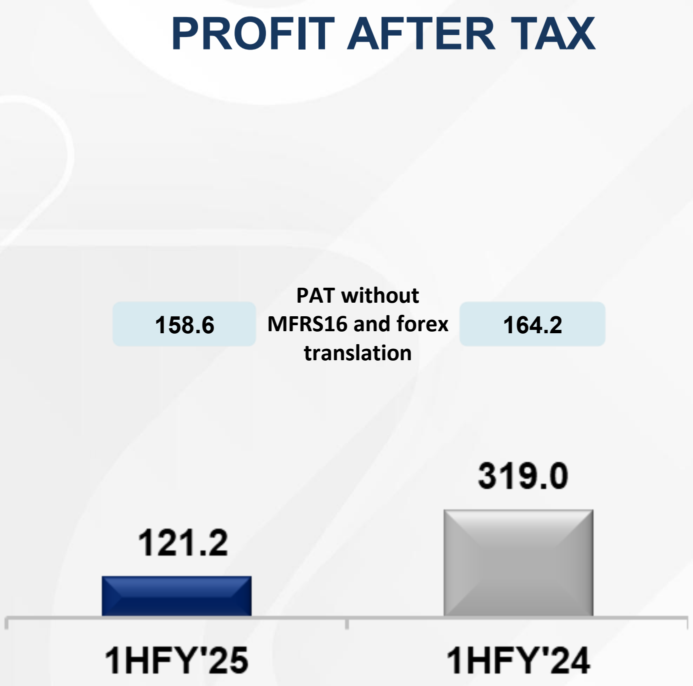
- We continuously monitor our cash flow position on a daily basis to ensure cashflow remain stable with sufficient facilities and gearing is maintained at an optimal level.

Domestic generation business performance

RM mil







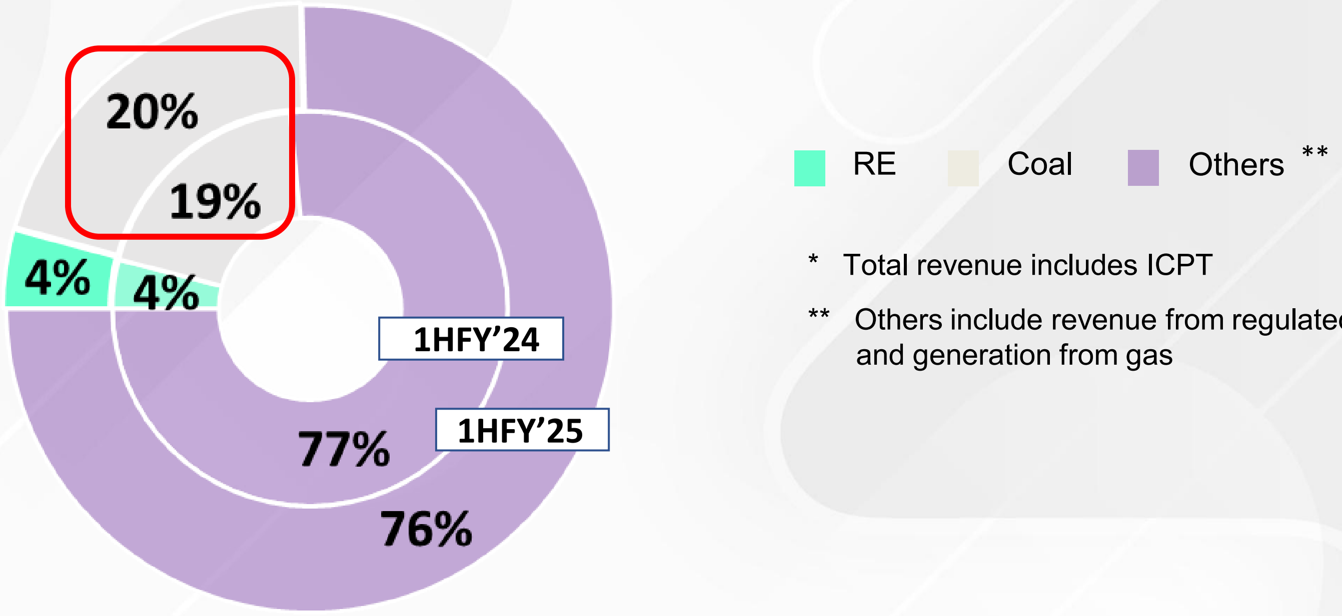
1HFY'24 performance includes:

- Contributions from SJ Gelugor (PPA expired in Aug'24); and
- SPG one-off claim of RM163.0 mil.

GenCo's PAT 1HFY'25 was mainly impacted by forex translation loss due to weakening of RM against JPY.

Revenue from coal stabilised below 25%, in line with longer-term aspiration

Actual Group Revenue*



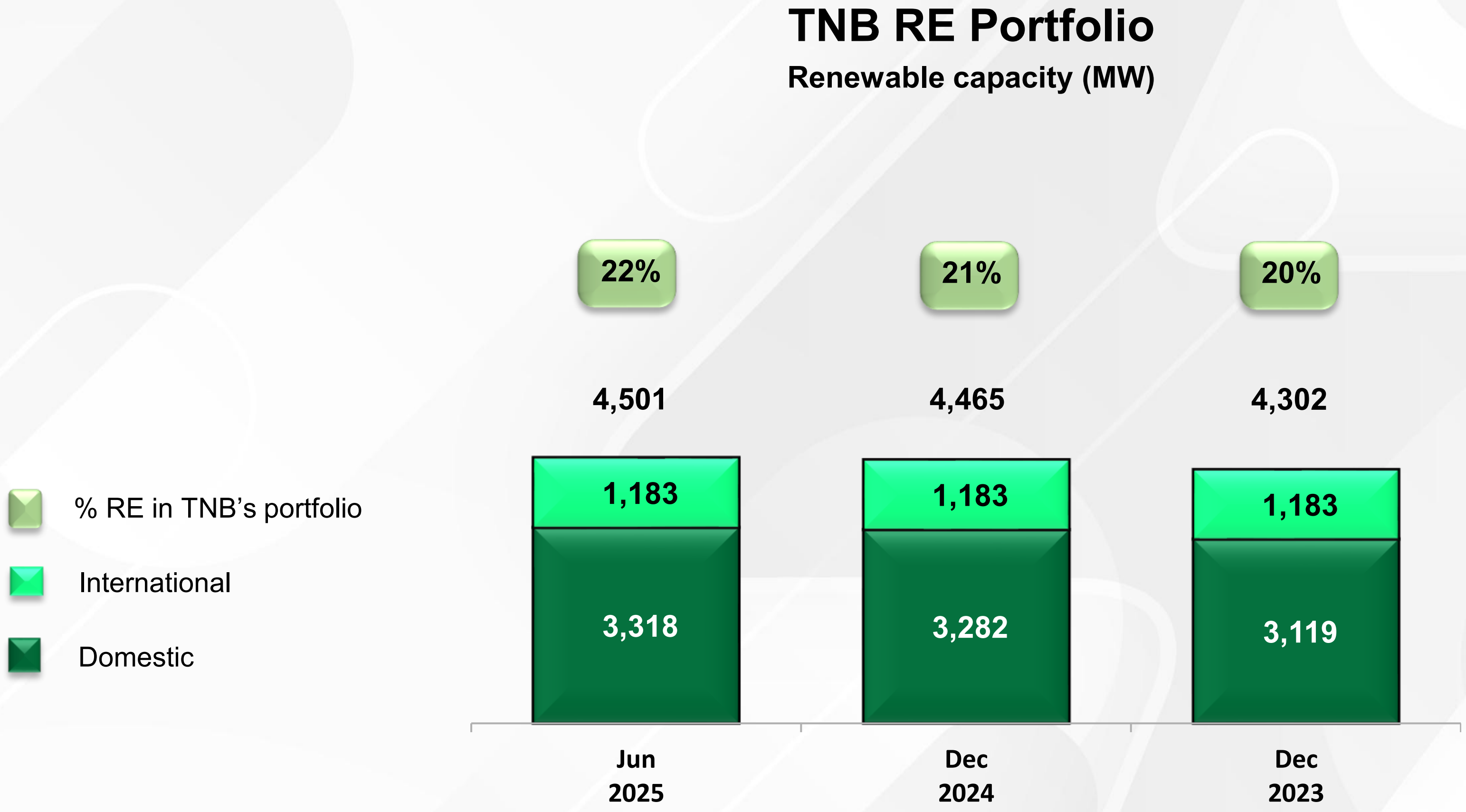
* Total revenue includes ICPT

** Others include revenue from regulated business, subsidiaries and generation from gas

Long-term aspiration:
To be coal-free by 2050

- No new coal plant investment
- Reduction of coal capacity by 50% by 2035 and coal-free by 2050

Our RE journey is progressing well



Note:
- Gross RE Capacity includes large hydro (exclude SESB)
- Solar capacity is quoted in MWp

International Investments: Renewable Energy (RE)

TNB International Sdn Bhd (TNBI)

Vantage RE

Spark Renewables

Technology Focus: Solar | Onshore wind | Offshore wind | Battery Energy Storage System (BESS)

TNBI is a TNB wholly owned subsidiary incorporated under the laws of Malaysia.

TNBI is a platform focused on capturing global renewable energy opportunities, diversifying TNB's portfolio and spearheading TNB's Energy Transition initiative, contributing towards supporting key milestones in TNB's Net Zero 2050 journey.

TNBI is anchored by Vantage RE and Spark Renewables.

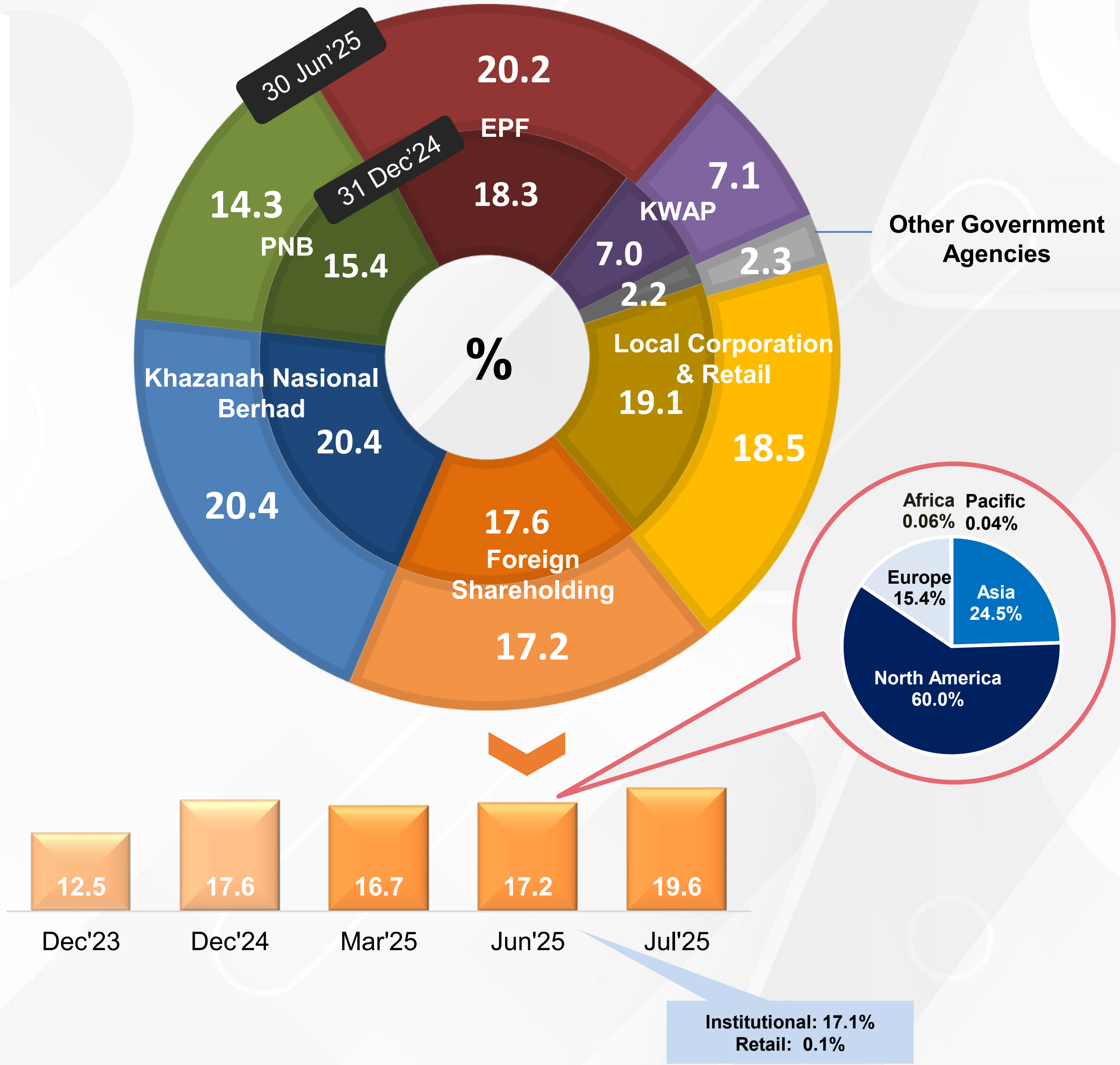
Financial Performance

Marginally lower EBITDA Y-o-Y (2QFY'25: RM289.9 mil vs 2QFY'24: RM334.2 mil) due to reduced wind resource and unscheduled maintenance on wind assets, along with higher grid downtime affecting solar assets in Ireland. Conversely, UK solar assets outperformed the previous year due to higher irradiance.

Outlook

- TNB is committed to grow its presence in RE market and the current focus is on converting development pipelines into operational assets.
- In addition, TNB's international RE platforms are implementing alternative revenue mechanisms, such as Contract-for-Difference (CfD) scheme, Corporate Power Purchase Agreements (PPAs) and exploring Battery Energy Storage System (BESS) based opportunities.
- This strategy will be supported by leveraging on TNB's extensive experience in developing power projects in both international and domestic markets, along with knowledge and technology transfer within TNB Group.
- There is steady progress in greenfield projects through implementing key strategies to drive timely completion and secure future growth opportunities.
- **Recently, Spark Renewables had successfully secured grid access rights for one of its projects in the pipeline – Dinawan Energy Hub (DEH) for a capacity of ~1GW in New South Wales.**

Shareholdings



Source: Share Registrar, Bloomberg and IR Internal Analysis

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