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State of the System – 2025/26 Summer Outlook Briefing

5 Sept 2025




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Group Chief Executive Officer |
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Group Executive - Gx |
| 4 | Demand management initiatives and load reduction overview | Agnes Mlambo
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Eskom has made significant progress in addressing electricity supply constraints – and is building on this momentum for a sustainable and competitive company



Progress made in recovering generation capacity since 2023

- **Reduced loadshedding from 329 days in FY24 to 13 days in FY25** (17 days Jan – Aug 2025 vs 84 days in 2024¹)
- Improved **EAF from 55% in FY23 to 60.6% EAF in FY25**
- Diesel generator spend reduced **from R30bn for FY23 to R17.7bn in FY25**, and still within budget for the this FY
- Recovered **>7.8GW generation capacity** through long term outage completions and new build
- **Increased IPP capacity by 385MW** between FY23 and FY25



Sustaining the gains and addressing the distribution sector

- Ensuring **sustained recovery of the Generation** performance towards **achieving 70% EAF** (achieved ~66% for Aug² 2025, average monthly improvement of **2.6% points** between Apr and Aug 2025)
- **Addressing electricity theft** - illegal connections and illicit tokens undermine service delivery, intensification of OVS leakage correction
- While **DAA** and **prepaid mechanisms** are **gaining traction**, municipal debt remains at **unsustainably high levels**
- Focussed attention on **NTCSA's roll out of the Transmission Development Plan**



Long term sustainability will require coordination and careful planning

- **Containing tariff increases** through cost optimisation and correctly structured tariffs
- Adopting **risk based transition into a low carbon energy mix**, considering system risks and transparent trade-offs (managing energy trilemma)
- Ensuring appropriate rules are in place to **enable a controlled market transition** while protecting all stakeholders (including consumers)

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Reflections: Eskom's performance has improved across several areas over the winter outlook period (April – Aug 2025)



149
153

Loadshedding free days between 1 April 2025 and 31 August 2025



10.47% Dx energy losses¹

Compared to **11.33% target**. Amounts to **5.5TWh** energy lost in **FY26 Q1** (equivalent to running Kriel Power Station at an EAF of 91%)



794MW¹

Capacity added through the completion of Medupi U4 repairs



~66% EAF²

For Aug 2025, 10% point improvement since April 2025, with y-o-y increase in planned maintenance



13572¹

Total electrification connections against a target of 6201, driving universal access to electricity



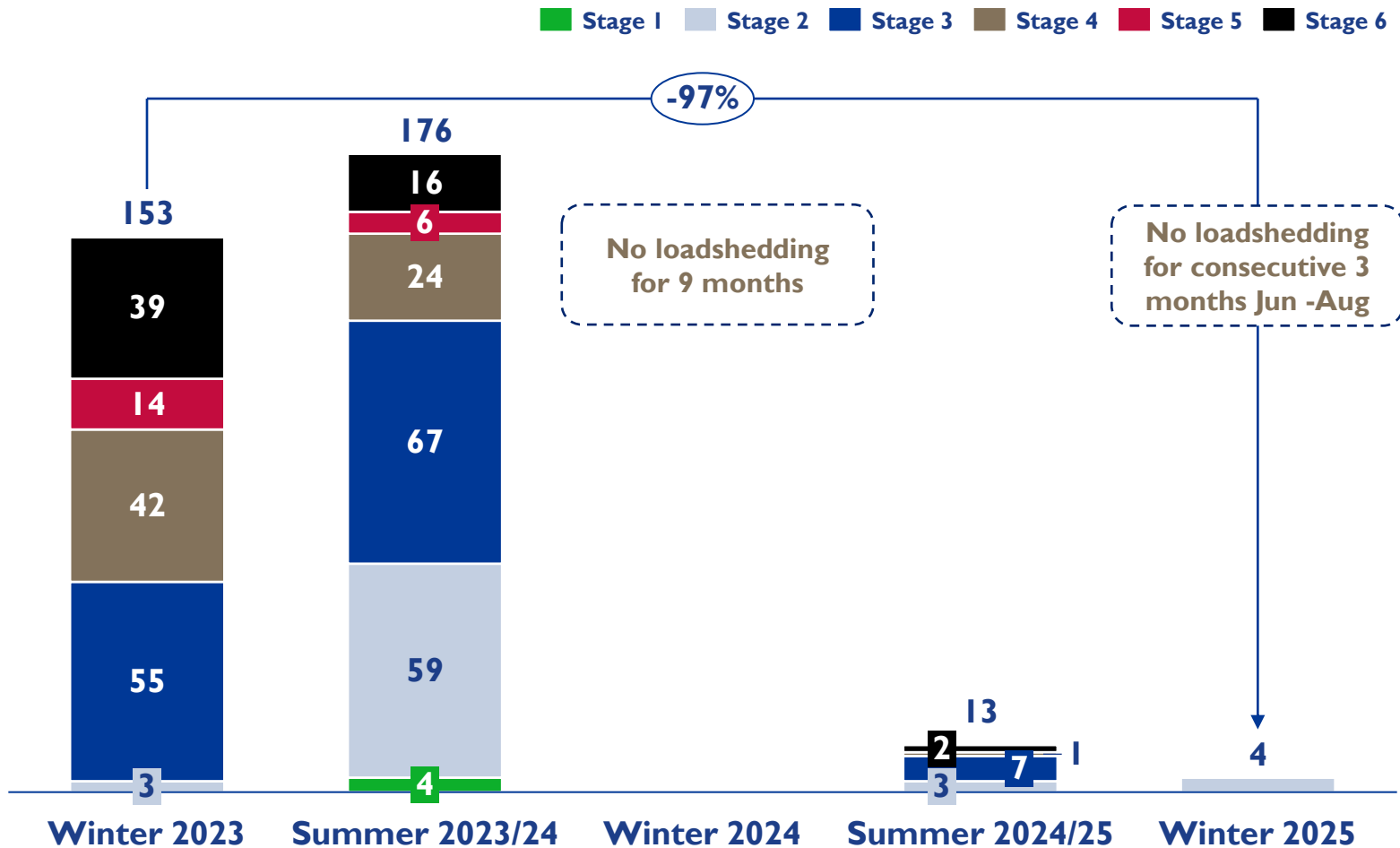
380MW³

Renewable energy capacity added through IPP programmes (total REIPPP installed capacity is currently 730MW below target for FY26 YTD)

Reflections: Minimal loadshedding levels experienced as a result of improved plant reliability and increased generating capacity

Overview of loadshedding intensity and frequency between Winter 2023 and Winter 2025

of days at various stages



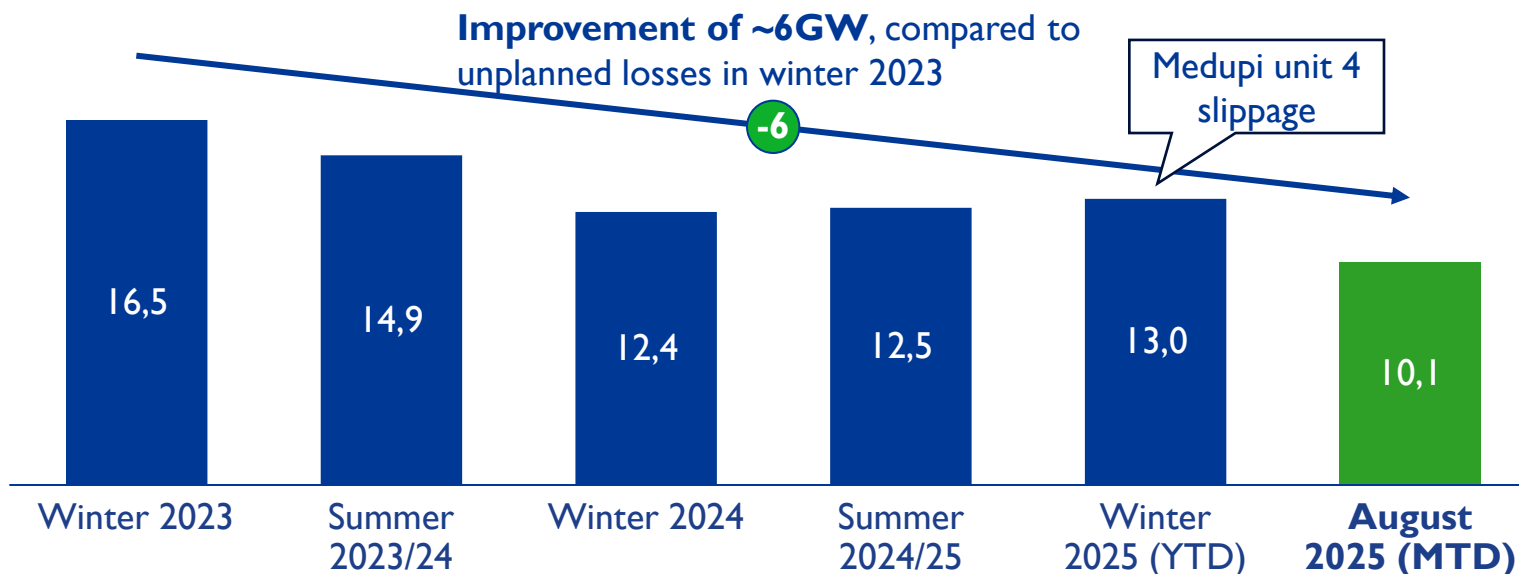
Insights

- Eskom contained loadshedding to 26 hours over **Winter 2025** – reaching 100 days without loadshedding on 24 August 2025
- **Higher than expected unplanned losses** in the 2025 Winter period **resulted in 4 days of loadshedding (April – May 2025)** and **increased spend on diesel generation** (although on a declining trajectory)
- Eskom is **implementing interventions to address the root causes** of the events during April - May 2025

Reflections: The reduction in unplanned losses since 2023 has resulted in 6GW additional available capacity (equivalent to adding ~1.5x Kusile stations²)

Eskom Gx actual performance on unplanned losses across outlook periods¹

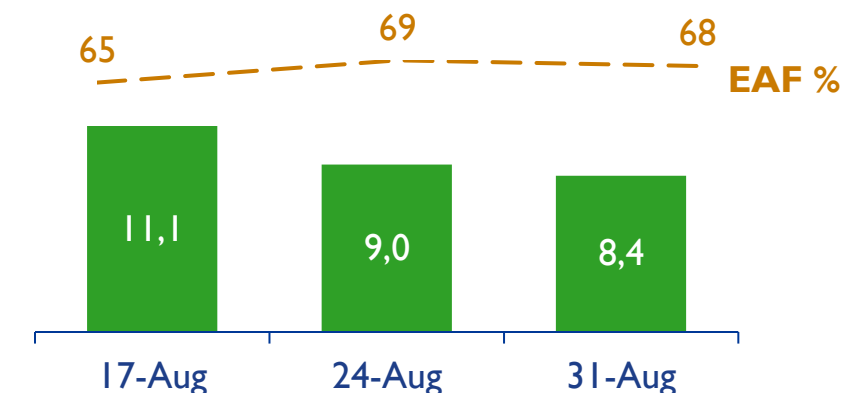
Actual average unplanned losses (GW)



August 2025 UCLF weekly performance

Actual average unplanned losses (GW)

Last three weeks of August showed further improvements down to 8GW unplanned losses



Insights

- Unplanned losses have been on a **downward trajectory since Winter 2023**, with setbacks experienced in Winter 2025
- The setbacks were **primarily due to delays in returning units from outages. Interventions to address root causes are being implemented**
- Positive improvements in UCLF in the 3rd week of **August, trending around 9GW**, noting 38 units which performed with an EAF of above 80% in that week, with further improvements in the 4th week of August (~8GW unplanned losses) – resulting in weekly EAF improvement to over 68%
- A notable achievement reached on 23 and 24 August with **UCLF dropping to 6.9GW**, the first time that performance has been **below 7GW** since Sept 2020 (9.6GW reduction from Winter 2023 levels, equivalent to ~2.5x Kusile stations²)

Reflections: While unplanned outages breached the moderate forecasts, loadshedding was contained to 26 hours across four days

As expected Worse than expected

Reflection on 2025 Winter – 1 April 2025 to 31 Aug 2025

Scenarios		Base case scenario + IGW risk expectations (14 000MW UCLF)		Actual performance	
Number of LS days		1 Day		4 Days (26 hours)	
OCGT costs		R 2.1bn		R5.9bn	
Highest stage of LS		Stage 2		Stage 2	
Month	Peak Residual Forecast - MW	Loadshedding days	Max Loadshedding stage	Loadshedding days	Max Loadshedding stage
April	27,739	1	2	1	2
May	29,259	0	0	3	2
June	30,777	0	0	0	0
July	30,872	0	0	0	0
August	29,599	0	0	0	0

- Base case + IGW risk anticipated 14GW of unplanned losses, however due to temporary plant failures, slightly higher load shedding was required in May 2025
- Diesel spend was higher than expected and exceeded spend in the comparable period for the previous year, as a result of higher unplanned losses

Key interventions on supply and demand management aspects, have created ~4GW additional levers to meet expected demand over the coming summer period



⬆️ Improvement ⚪ Neutral

2024/25 Summer Outlook	Versus	2025/26 Summer Outlook
50GW ¹	Operational dispatchable capacity	51.4GW ¹ ⬆️ 1.4GW addition from return of Medupi U4 and expected commercial operation of Kusile U6
9.8GW ²	Planned maintenance	7.9GW ² ⬆️ ~1.9GW reduction in peak planned maintenance levels, due to completion of major outages during 2024 and early 2025, which allows for smoothing out of execution
15GW	Worst case unplanned losses	15GW ⚪ Unplanned losses assumptions maintained to account for unforeseen circumstances
11GW ³	Actual unplanned breakdowns trend ³	10.1GW ³ ⬆️ 0.8GW decrease in actual unplanned losses leading up to 2025/26 Summer Outlook
2.1GW ⁴	Demand management	2.4 GW ⁴ ⬆️ 0.3GW increase in capacity from our demand management programme, leading up to 2025/26 Summer Outlook

1: Average between September and March, refers to nominal capacity; 2: Peak daily PCLF over Sept and March 3: Actual unplanned breakdowns in month before respective summer periods (Aug 2024 vs. Aug 2025), OCLF + UCLF; 4: As at start of respective outlooks, further expansion pursued.

2025/26 Summer Outlook - No loadshedding expected for unplanned outages below 15GW

Summer 2025/26 – 1 September 2025 to 31 March 2026 (212 days)

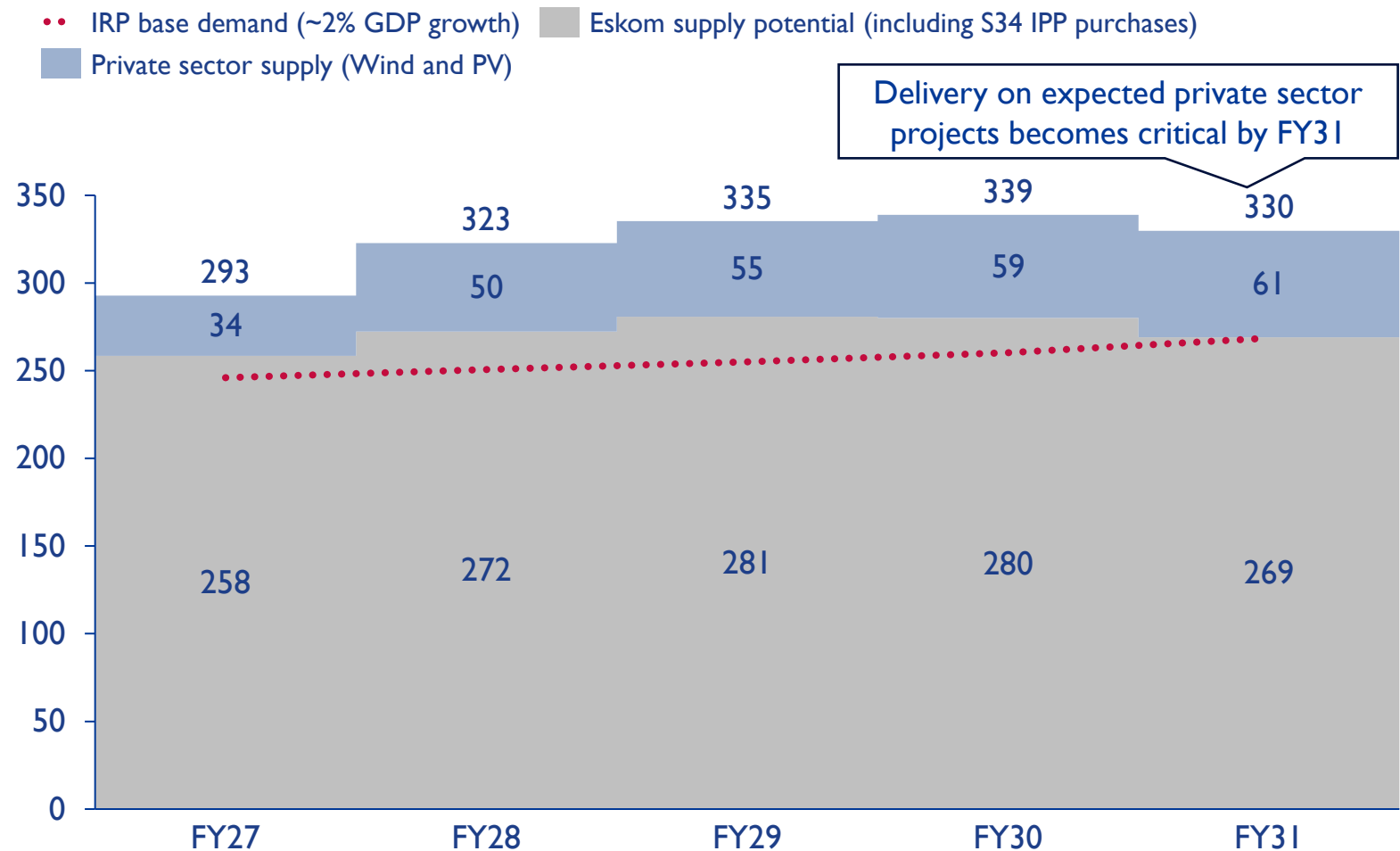
Scenarios		Base Case: 13 000 MW UCLF		Base Case + 1000MW: 14 000 MW UCLF		Base Case + 2000MW: 15 000 MW UCLF	
Number of LS days OCGT costs		0 Days R 0.1bn		0 Days R 0.4bn		0 Days R 1.3bn	
Highest stage of LS		-		-		-	
Month	Peak Residual Forecast	Load shedding days	Max Load shedding stage	Load shedding days	Max Load shedding stage	Load shedding days	Max Load shedding stage
September	28,537	0	-	0	-	0	-
October	27,837	0	-	0	-	0	-
November	27,538	0	-	0	-	0	-
December	26,563	0	-	0	-	0	-
January	26,622	0	-	0	-	0	-
February	27,550	0	-	0	-	0	-
March	27,841	0	-	0	-	0	-

- **No loadshedding** is expected over the 2025/26 summer period
- Limited loadshedding could be required if unplanned losses breach 15GW, the probability is considered low given current trends

Gx performance improvement and expected new capacity indicate electricity will not constrain 2% GDP growth to 2030, delivery on new capacity beyond that is crucial



Electricity supply outlook assuming growth in demand (TWh)



Insights

Indicative, will be confirmed by MTSAO in Oct

Assumed additional capacity by FY2031

- **~7GW increase in available Eskom capacity** (~1GW EAF improvement, 6GW new capacity)¹
- **~9GW increase in publicly procured capacity** (S34 IPP programmes)
- **~18GW increase in private sector capacity** from utility and small-scale renewable energy (primarily Wind and Solar PV)

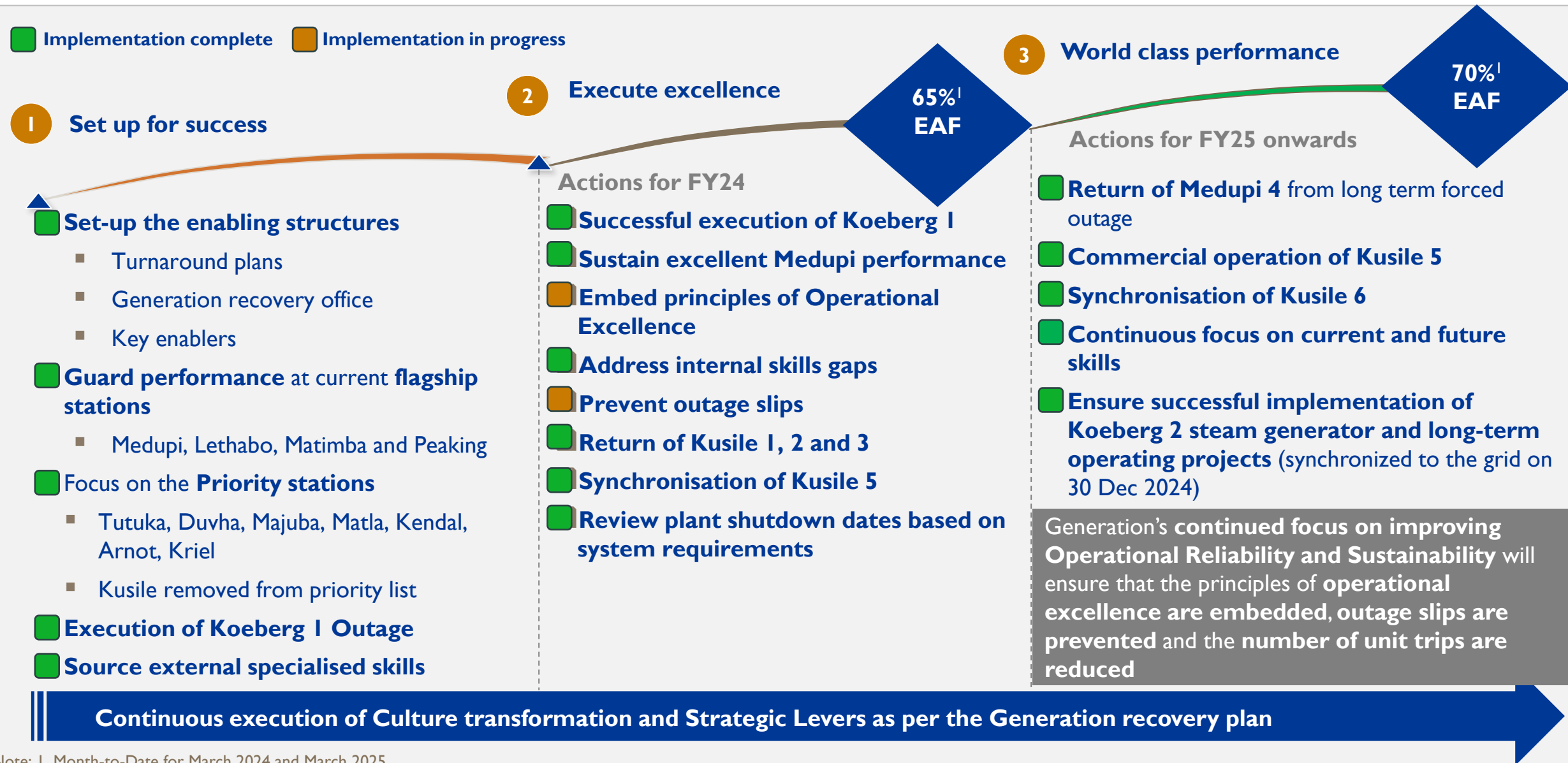
Risks to be managed:

- **Plant flexibility of coal generators and peaking capacity** to accommodate increased VRE
- **Execution challenges** with new capacity
- **This is indicative** and will be confirmed in **Eskom's Medium Term System Adequacy Outlook** once completed (Oct 2025)

1: Despite shutdown of 5 stations by FY30, Eskom's existing fleet available capacity grows by ~800MW due to improved availability projections; 2GW from RE and BESS, 3.9GW from Richards Bay gas and CCGT conversions
2: Assumes that all coal stations operate at 90% energy utilisation factor, includes supply from S34 IPPs and imports/wheeling; 3: IRP 2024 public consultations; 4: Includes production required for network losses and exports/wheeling; 5: Assuming 25% LF for PV plants and 35% LF for Wind (in line with SA actuals over past 5 years); Assumes 1:1 correlation between GDP and electricity growth in short-med term

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Generation has completed the majority of its original Recovery Plan objectives, and will move to the next phase focussing on sustainability of recovery



The outlook is supported by the interventions we are putting in place to drive a plan geared towards Operational Reliability and Sustainability

Operational Reliability & Sustainability Plan focus areas

1



Reduce number of trips

- Execute projects to resolve inherent trips risks and eliminate single points of failure
- Root cause analysis training for station incident investigators.
- Roll out and implementation of Gx Trip Reduction Directive at all power Stations
- Improve plant resilience through increased redundancy

2



Improve Outage planning and execution

- Strategic partnerships (OEMs, Utilities)
- Contract Management & Assurance
- Technology, Artificial Intelligence
- Procurement & availability of spares
- Enhanced Outage Performance Improvement Center (OPIC)

3



Execute key strategic projects

- Invest in refurbishment projects at key mid-life stations
- Continue with Koeberg long-term operations refurbishments
- Expedite key projects to ensure compliance to Minimum Emissions Standards (MES)

4



Enhance People, Plant, Process Mindset

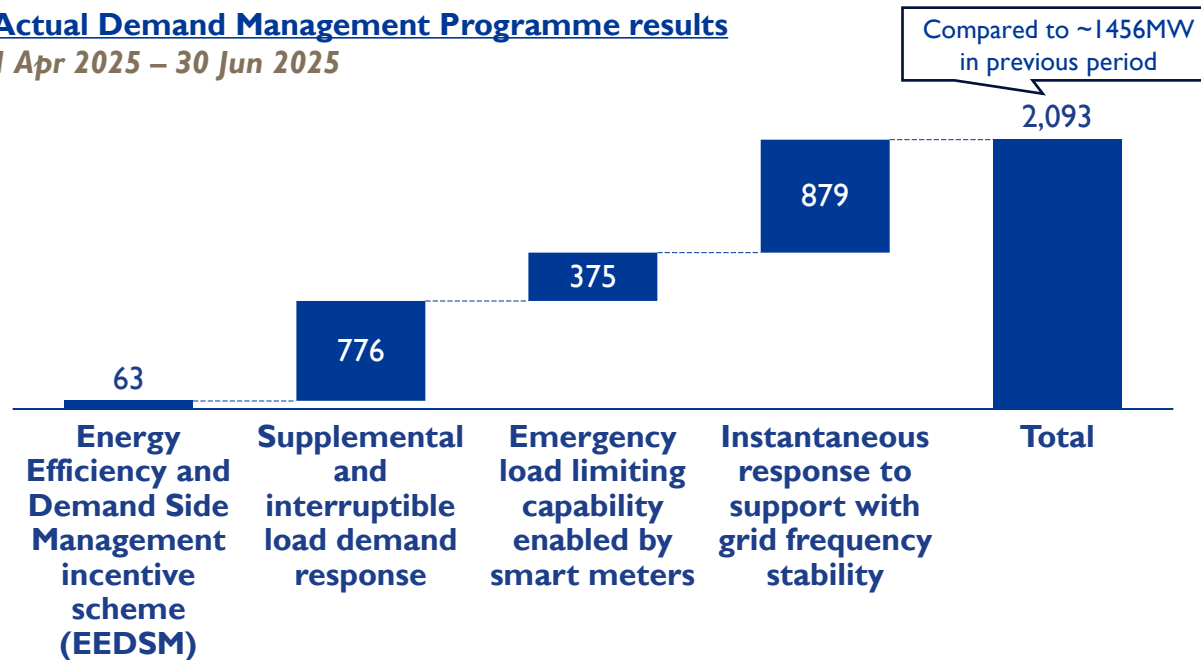
- Implement people, plant and process interventions to address root causes leading to unreliability
- Leadership development focus
- Embed Operational excellence principles

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We will continue to use of our Demand Management Programme as a lever to reduce the risk of load shedding

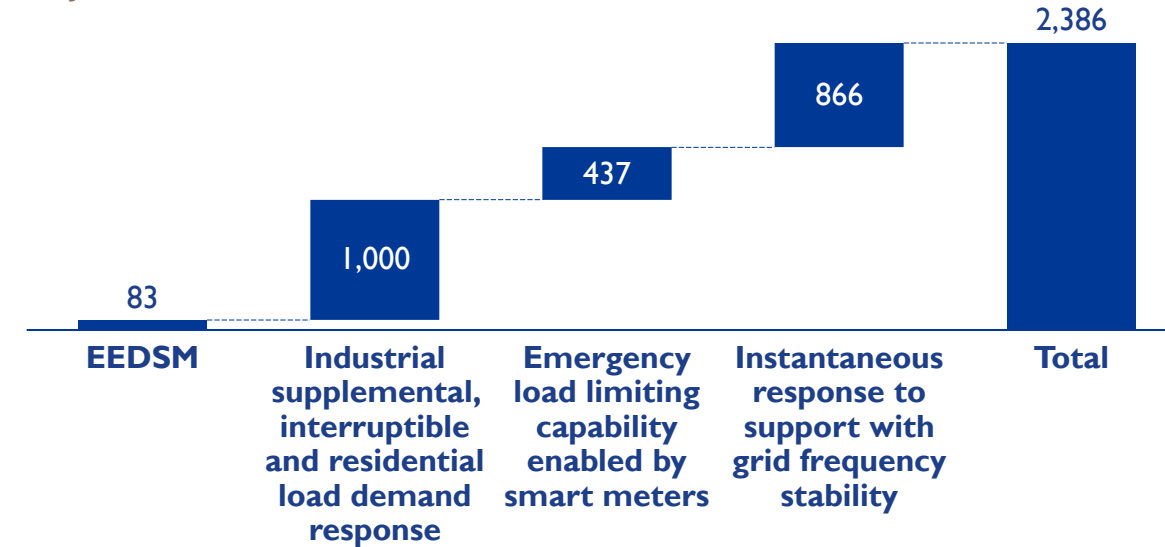
Actual Demand Management Programme results

1 Apr 2025 – 30 Jun 2025



Available levers over the summer period

1 Jul 2025 – 31 Mar 2026



Several demand side interventions have been implemented to support the grid, which results in:

- **Optimisation of cost of energy** through reducing the usage of **expensive diesel generators and transfer pricing**, especially during evening peak times
- **Reduction in the severity of load shedding** through lowering demand during supply constrained periods
- **Demand Management levers** can be utilised as a **balance responsible lever** in the **energy trading market to further reduce overall tariffs**

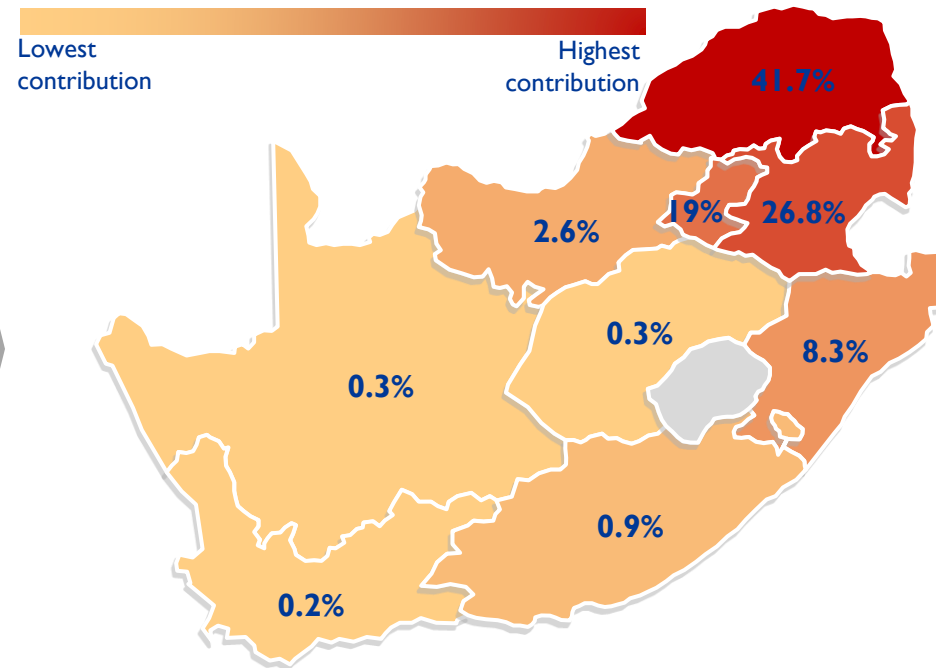
Distribution is increasing its demand management capability through:

- Implementation of **additional EEDSM projects**
- Introduction of the **Residential Demand Response (RDR)** (200MW is included as part of the DR supplemental) – also improves inclusiveness, and enables residential customers to improve utilisation of distributed energy resources
- **Smart meter load limiting capability** (current 437MW), up to 2000MW capability pursued by 31 March 2026 (only available in emergency circumstances)
- Instantaneous response levers support with **grid frequency stability**

Progress is also being made to reduce load reduction, its implementation remains necessary to protect the lives of customers and electrical equipment

Geographical overview of load reduction¹

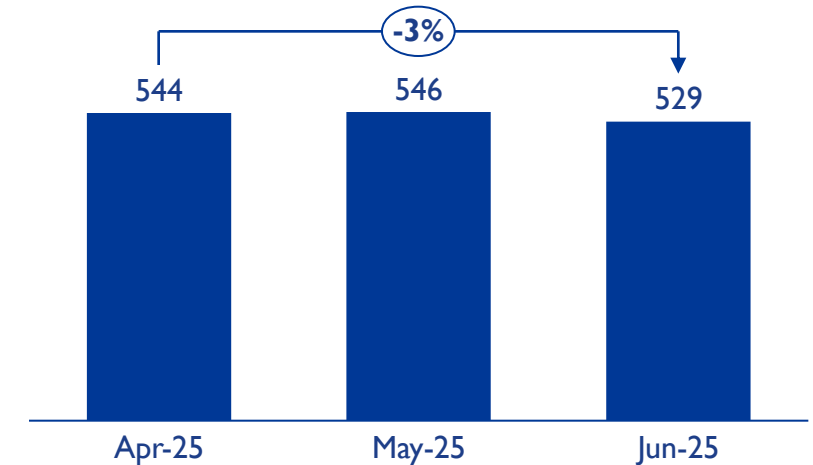
% of total load reduction across South Africa



Load reduction is required in areas where distribution network transformers are overloaded, primarily due to **electricity theft** and **illegal connections**

Load reduction trends¹

Total MW across morning and evening peak



Largest improvement witnessed in **Limpopo (-13%)** and **Mpumalanga (-5%)**

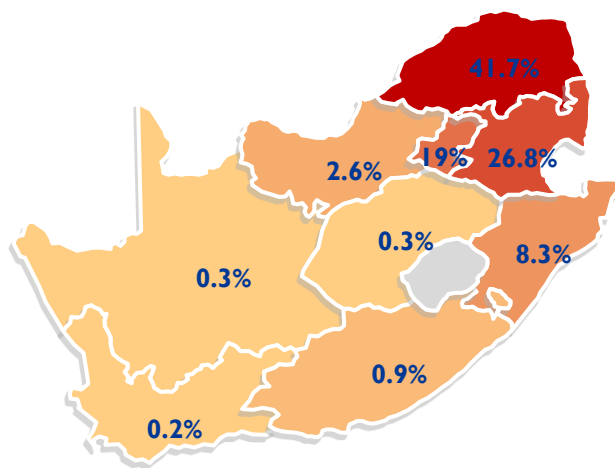
- **529MW of load reduction was required** over morning and evening peak during Jun 2025, with **LP, MP and GP** accounting for **>87% of total**
- **Progress** has been made to **reduce load reduction nationally** (3% improvement from 544MW in Apr 2025 to 529MW in Jun 2025), with the largest improvements experienced in **Limpopo** and **Mpumalanga** (13% and 5% reductions respectively)
- Eskom is committed to **reducing load reduction by 15-20% by Mar 2026**, and **eradicating** load reduction within **the next 18 months** by:
 - **Removing and formalising of 640,000 illegal connections** by Mar 2026
 - Upgrading infrastructure incl., **smart meters, reducing zero buyers** and **illegal vending**
 - Increasing **free basic electricity** registrations in key areas

Eliminating load reduction requires an accelerated smart meter roll out, targeting 971 feeders by March 2027

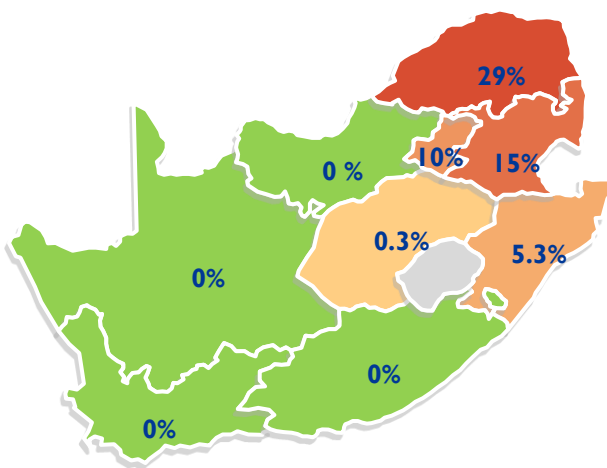


Current status
% of total LR across South Africa¹

Improvement expected between Sep 2025 and Mar 2027 (compared to current view)

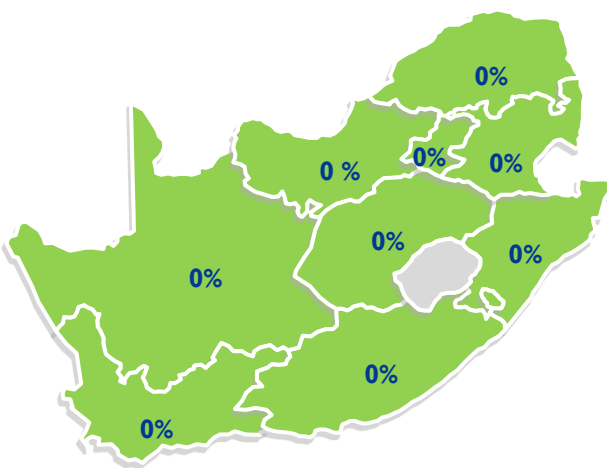


Phase 1 accelerated (by Mar '26)



✓ **210 feeders**, resolving EC, WC, NC and NW

Phase 2 accelerated (by Mar '27)



✓ **Total of 761 feeders**, resolving Limpopo, Mpumalanga and FS

Currently, ~**529MW** of load reduction (evening + morning peak) is required due to distribution feeder network overloading – **primarily in LP, MP, GP and KZN**

In addition interventions are being implemented to **upgrade metering infrastructure including ~1.5 mil smart meters** of the load reduction areas by **Mar 2027**
Reducing zero-buyers and addressing illegal vending

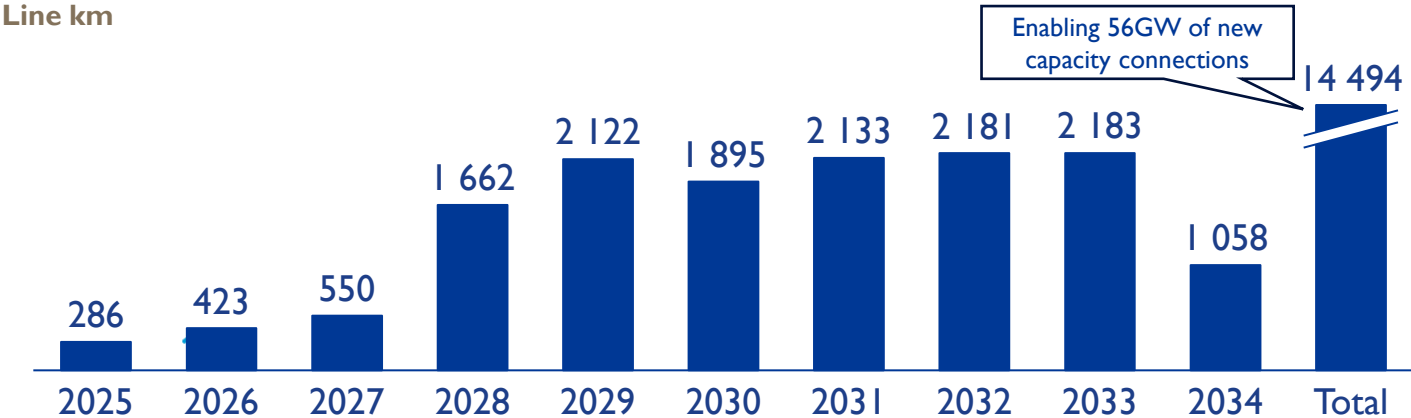
¹: Based on MW reduced over April – June 2025 (morning + evening peak); LR: Load Reduction; FBE: Free Basic Electricity

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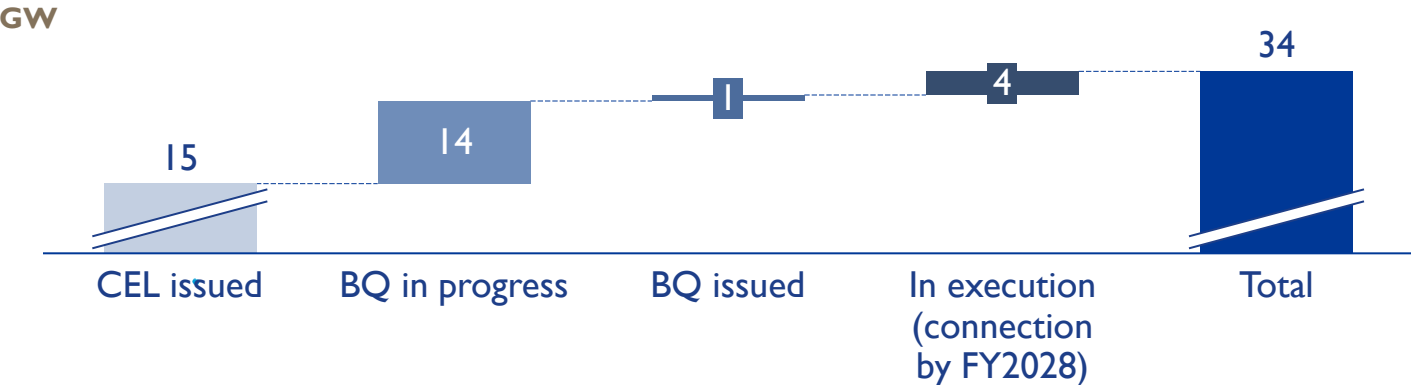
NTCSA's current transmission network expansion plans will unlock 56GW of new generating capacity over the next 10 years



Transmission network rollout (TDP 2024)



Private sector capacity grid connection status (excluding gov. procured IPPs)



Insights

- A total of **292.6km of transmission lines** have been constructed in the **previous financial year (FY25)** against a target of 286 km
- The target for **current financial year (FY26)** is to **construct 423.1 km of transmission lines** and 108.2 km has been constructed to date.
- NTCSA has **allocated a total capital budget of R133bn** over the first 5 years of the TDP, ending 31 March 2030.
- **Considerable progress has been made** on key enablement initiatives i.e. **Owner's Engineers (OE)** panel contracts, **Engineer, Procure and Construct (EPC)** lines and substation contracts, **101 transformer contracts**, **line construction incubation program**, **steel suppliers** etc. for the delivery for the TDP.
- **34GW of private sector projects** for wheeling or **own use** are currently between **CEL and execution phase**, with **4GW in execution** and expected to be **connected to the grid by FY28**

The ERAA supports the fast-tracking of this plan by introducing a procurement mechanism that enables the Minister of Electricity and Energy to acquire new transmission infrastructure through ITPs

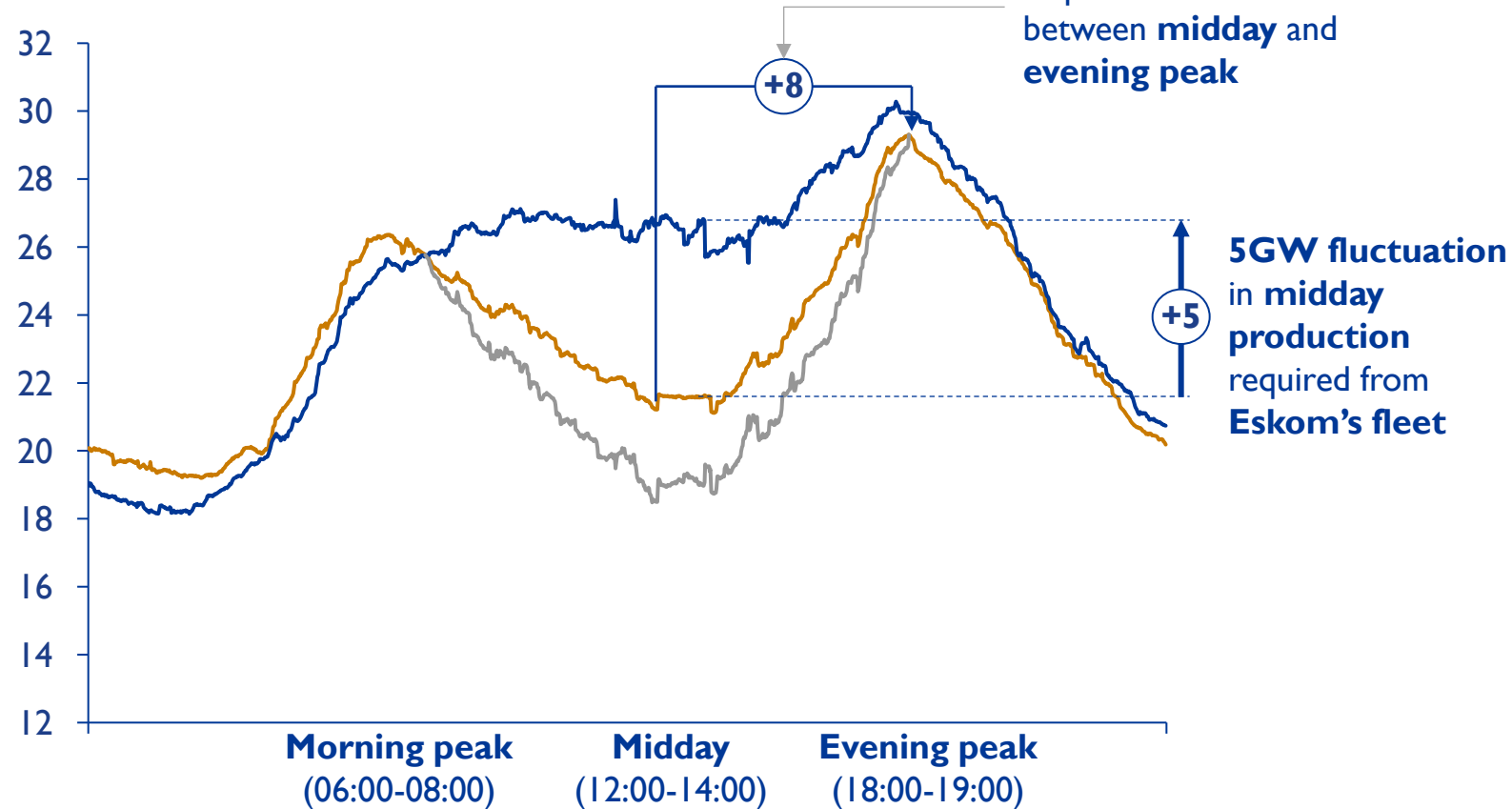
As South Africa's electricity system incorporates increased variable renewable energy (especially Solar PV), flexibility of the system becomes a key priority



Grid demand profile variability driven by increased Solar PV generation

GW residual demand across day

— ~5% average cloud cover at noon (2 Jun 2025) — Illustrative 50% increase in Solar PV
— ~68% cloud cover at noon (9 Jun 2025)



Insights

- South Africa currently has **9.3 GW Solar PV** (2.3 GW from government procured renewable IPPs + 7GW behind the meter) installed across the country
- The **variance in demand for grid supplied dispatchable capacity** currently **varies ~ 5GW at noon across days** and **~8GW between noon and evening peak**, strongly influenced by Solar PV generation
- With a **50% increase in Solar PV** (conservative considering expected projects by 2030), these variances will increase to **up to 10GW**, which creates **significant flexibility requirements and planning uncertainty**
- **More coordinated planning is a key priority**, to ensure **system stability** and **associated variability risks** despite **increase in available capacity**, is managed over the summer period
- **Understanding geographical distribution** of existing and new Solar PV is a key aspect of improved system operations

Electricity system reforms are underway to support a rules based competitive electricity sector

Market Operator license

Application submitted and confirmation of adequacy received from NERSA on **6 Aug 2025** – NERSA public hearings anticipated on 30 Sep 2025

Preparation of market participants

The **SAWEM** school launched **Jul 2025**, with further events scheduled to run between **Aug and Dec 2025**



Market Code

Draft published and open for public input until 18 Sep 2025, final **market code workshop** scheduled for **11 Sep 2025**

Market platform, systems and processes

Internal pilots currently in progress, additional **IT systems and processes** in development - on track for **launch in Apr 2026**

Prequalification stage for ITPs (opened 31 July 2025), will play a **crucial role** in broader **reform** of the electricity sector

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Through the collective efforts of our internal and external stakeholders, Eskom continues to improve security of electricity supply in South Africa



No loadshedding is expected over the Summer period from 1 Sep 2025 to 31 Mar 2026 - **unplanned losses are to be maintained below 15GW**



Reduction of unplanned breakdowns remains a priority – with Gx capacity now added, **continued focus on embedding operational excellence (reducing unit trips and preventing outage slips)**, will bring us to comfortably meeting demand all the time.



Eskom is committed to **reducing load reduction** through **removing and formalising illegal connections, upgrading infrastructure** and supporting **increased registration for free basic electricity**



The development of the SAWEM and delivery of **transmission capacity expansion to connect new capacity**, is important to ensure sufficient electricity supply and accommodate **economic growth**

Thank you to all the Eskom Guardians and stakeholders for the continued commitment to restore security of electricity supply in South Africa



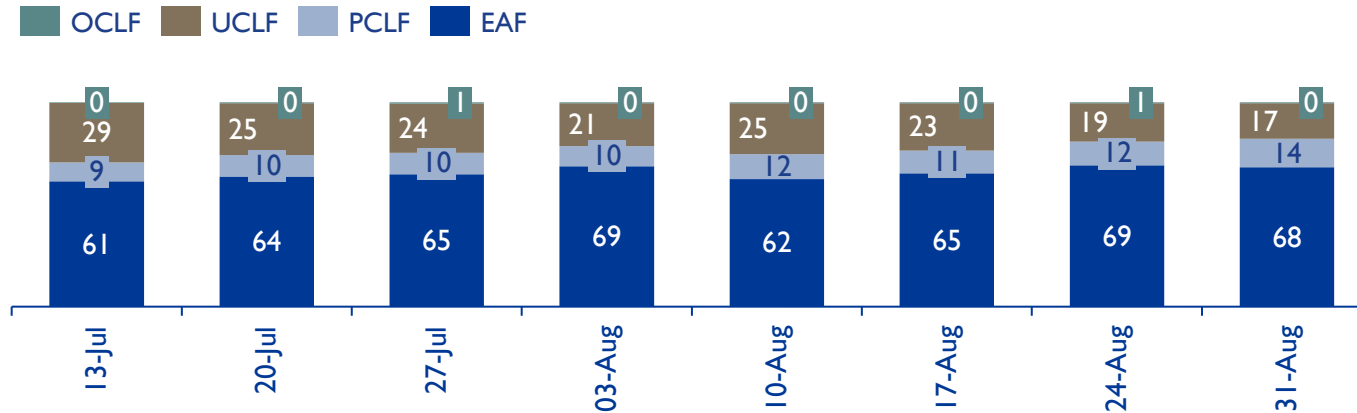
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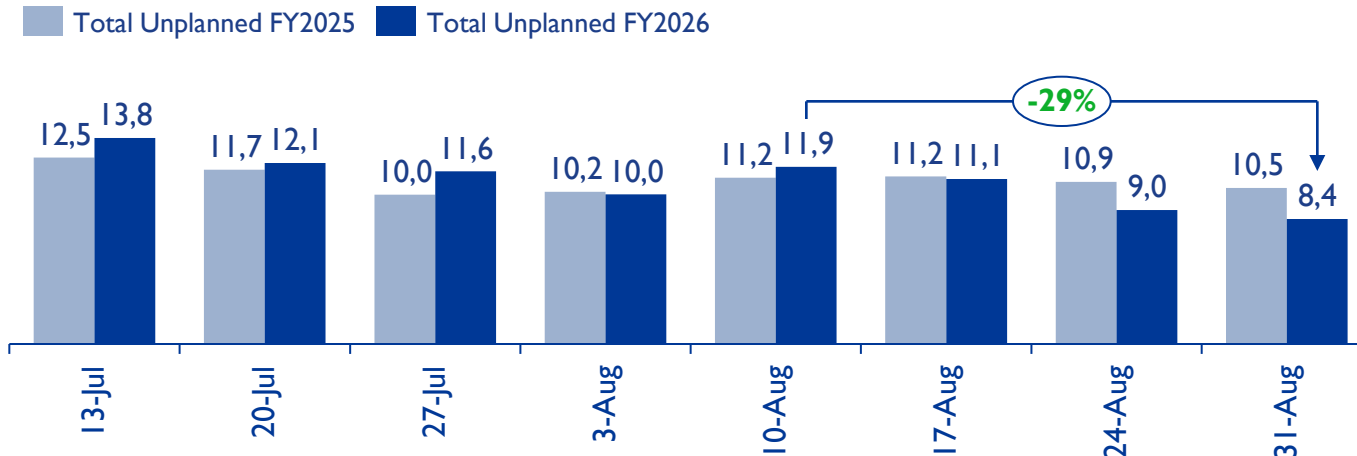
Question & Answer session

A ~30% improvement in UCLF was noted between the first and last week of August 2025

Generation Overview weekly performance FY2026 (%)



Weekly Total Unplanned performance comparison in GW

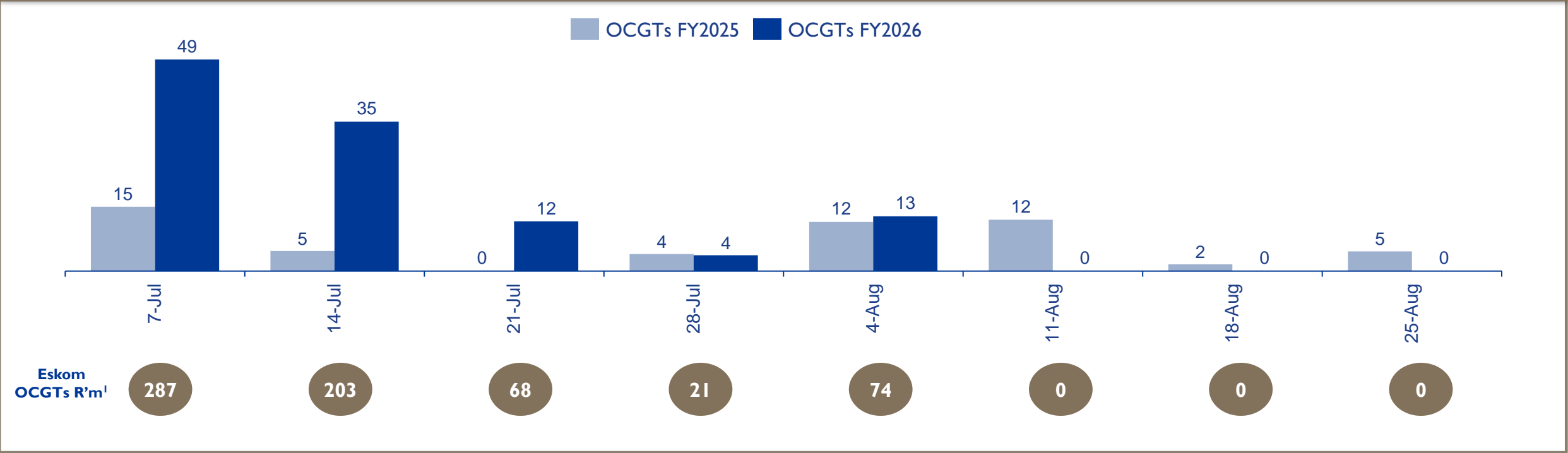


Insights

- EAF was maintained between 61% and 69%**, with late August marking peak performance – UCLF in the last week almost ~2GW lower than in the same week in the previous year
- UCLF showed a steady improvement** from early July to late August, reflecting enhanced operational control, improved reliability and overall stronger fleet performance
- Due to having excess capacity, some units were placed on **cold reserve which enabled additional opportunity maintenance** to be conducted
- The **reduction in total unplanned losses** from over ~13 800 MW in early July to under 8 400 MW by late August highlights a clear trajectory of recovery and consistent improved performance

OCGTs utilisation drastically reduced from the start of July 2025, lower than the comparable period in previous year

Eskom Only Weekly OCGTs Usage (GWh) Comparison Jul – Aug¹



Key Insights

- OCGT utilisation was 0GWh between 8 to 31 August 2025, underscoring efficient base-load performance and reduced reliance on OCGT support
- IPP's were minimally utilized during this period

¹: The report is based on prelim figures, i.e., subject to verification

xx Denotes Eskom OCGTs weekly actual costs Excl. Environmental Levy