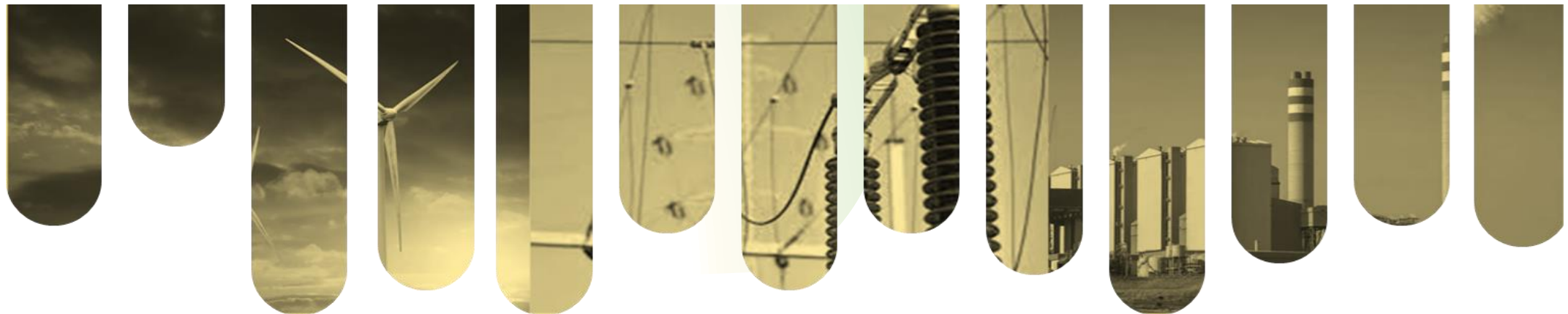




## MINISTRY IN THE PRESIDENCY FOR ELECTRICITY



## MINISTERIAL ENERGY ACTION PLAN BRIEFING

**DR KGOSIENTSHO RAMOKGOPA**

Minister in the Presidency for Electricity

22 April 2024



# GENERATION PERFORMANCE





# GENERATION SYSTEM PERFORMANCE

08 – 20 APRIL 2024

MONDAY 22  
DAY 26



Monday, 22 April 2024, marks the 26<sup>th</sup> consecutive load-shedding-free day. That is the **longest continuous stretch of no load-shedding since 10 April 2022** when we had 28 days of no load shedding

GX RECOVERY  
PLAN



The focused and disciplined **execution of the Generation Operational Recovery** has resulted in a **3GW decline in unplanned load losses** from the 18GW in May 2023.

MAINTENANCE  
TARGET EXCEEDED



Eskom achieved planned **maintenance of 12% in FY2024**, which is up from its **plan of 9.3%** and is a contributor to the improved performance. There is also **good support from renewables during the day**

DIESEL USE  
MANAGED



Since December 2023, Eskom has **been using OCGTs less than the average for FY2024**. This means load factors ranging from 6% in December to 17% in March. The average of 17% for the year. April MTD is 5.97%



# GENERATION SYSTEM PERFORMANCE

08 – 20 APRIL 2024

## UNITS COMING ON STREAM IN 2024



Gx is on track to **recover Medupi U4** in September 2024, **Koeberg U2** in September 2024 and synchronise **Kusile U6** by October 2024.

## KOEBERG PROGRESS



The Steam generator replacement is **progressing** well. The three old steam generators have been removed, and the new steam **generators are currently being placed into position**, ready for welding.

## CAUTIOUSLY OPTIMISTIC



Whilst all **efforts are being geared to sustain the current performance** through continuous and sustained improvements to the generation system, load shedding remains a risk.



# KENHARDT SOLAR PROJECT REACHES COMMERCIAL

ONE OF THE WORLD'S FIRST AND LARGEST HYBRID SOLAR AND BATTERY STORAGE FACILITIES

## INSTALLED CAPACITY



The facility, located in the Northern Cape, boasts an installed solar capacity of **540 MW** and a **battery storage capacity of 225MW/ 1,140MWh**

## DISPATCHABLE CAPABILITY



Delivers **150MW** of **dispatchable power from 5 am to 9.30 pm year-round** to the national grid under a **20-year Power Purchase Agreement** with Eskom

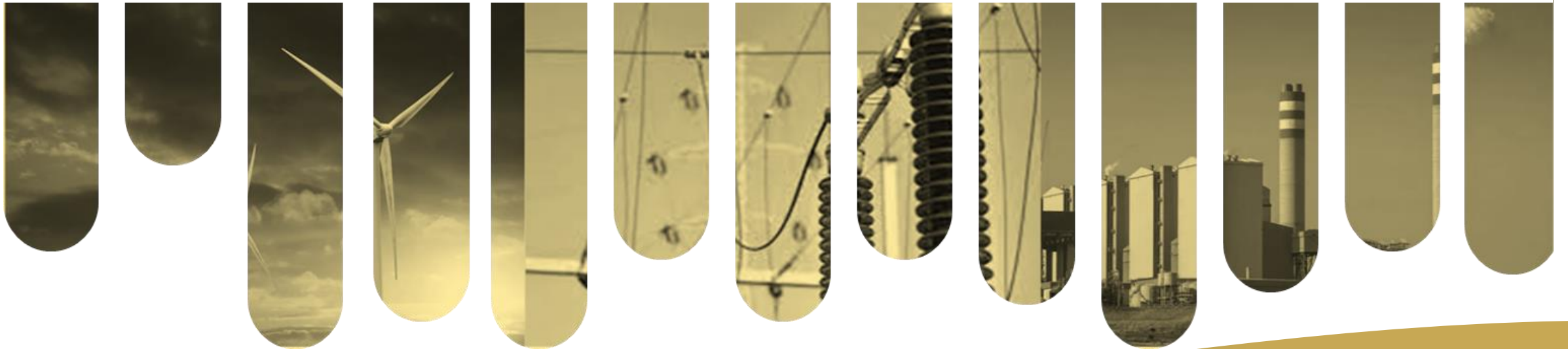
## SOCIO-ECONOMIC IMPACT



The total investment is **approximately 1 billion (USD)**, with **49% shareholding held by a local BBBEE partner.**



# NECOM UPDATE AS AT 19 APRIL 2024





# NECOM UPDATE

## HEADLINE UPDATES ON NECOM OUTCOMES

Eskom and the National Transmission Company of South Africa (NTCSA) have **met all the requirements necessary to establish and operationalise** the NTCSA. As a result, the NTCSA is on track to **commence trading on 1 July 2024**.

DFFE has published the **Solar PV and Battery Storage Exclusion Norms for implementation**. The exclusions will allow for the development of battery storage and solar PV facilities in areas of confirmed **low and medium environmental sensitivity without obtaining an environmental authorisation prior to commencement**.

Eskom has **published a draft Market Code for consultation**, outlining the **proposed rules for a future competitive wholesale electricity market**. Once the ERA Bill is enacted, the NTCSA will submit the code to NERSA.

An RFP was released for the third window of the **Battery Energy Storage IPPPP on 28 March, for a further 616 MW to be constructed at five substation sites in the Free State**. This brings the total amount of **battery storage capacity in procurement** through the programme to **1744 MW**.

**BW5:** 11 projects have reached commercial close, with the remaining projects withdrawn.

**BW6:** 6 projects have reached legal close, with 4 still awaiting BQs to proceed to commercial close

**RMIPPPP renewable/ hybrid projects:**

7 preferred bidders **have completed construction** or reached legal close to date, while the remaining **4 preferred bidders failed to meet the long-stop deadline and their grid capacity will be reallocated**.



# GENERATION PERFORMANCE

**DAILY PERFORMANCE – 08 – 19 APRIL 2024**

| Date<br>(08:00 daily)  | Capacity Available<br>(MW) | Planned outages (MW) | UCLF, Partial Losses & outage delays (MW) | Partial Load Losses (MW) | p.m. peak forecasted (MW) | Units at Risk (MW) | Outage Slip (MW) | Load Shedding Stages (range) |
|------------------------|----------------------------|----------------------|---|--------------------------|---------------------------|--------------------|------------------|------------------------------|
| 08-Apr-24              | 27598                      | 5565                 | 14797                                     | 5647                     | 28164                     | 4156               | 3840             | No LS                        |
| 09-Apr-24              | 26571                      | 5092                 | 16349                                     | 5981                     | 27939                     | 5696               | 3840             | No LS                        |
| 10-Apr-24              | 29509                      | 4700                 | 13471                                     | 6127                     | 27441                     | 5506               | 3840             | No LS                        |
| 11-Apr-24              | 30391                      | 4822                 | 12849                                     | 6127                     | 27728                     | 5506               | 3390             | No LS                        |
| 12-Apr-24              | 30099                      | 5680                 | 12310                                     | 5821                     | 26376                     | 5311               | 3390             | No LS                        |
| <b>Average</b>         | <b>28834</b>               | <b>5172</b>          | <b>13955</b>                              | <b>5941</b>              | <b>27530</b>              | <b>5235</b>        | <b>3660</b>      |                              |
| 15-Apr-24              | 27971                      | 5904                 | 14105                                     | 6081                     | 28075                     | 3676               | 3390             | No LS                        |
| 16-Apr-24              | 28310                      | 5107                 | 14575                                     | 5778                     | 28413                     | 3676               | 4135             | No LS                        |
| 17-Apr-24              | 28287                      | 5421                 | 14415                                     | 5956                     | 28655                     | 4464               | 4053             | No LS                        |
| 18-Apr-24              | 28546                      | 5540                 | 13927                                     | 5971                     | 27817                     | 4464               | 3673             | No LS                        |
| 19-Apr-24              | 29147                      | 5580                 | 13338                                     | 6212                     | 27191                     | 4274               | 3673             | No LS                        |
| <b>Average</b>         | <b>28452</b>               | <b>5510</b>          | <b>14072</b>                              | <b>6000</b>              | <b>28030</b>              | <b>4111</b>        | <b>3785</b>      |                              |
| <b>May-23 Baseline</b> | <b>27410</b>               | <b>3120</b>          | <b>17369</b>                              | <b>6793</b>              | <b>31135</b>              | <b>6579</b>        | <b>3478</b>      |                              |





**THANK YOU**

