

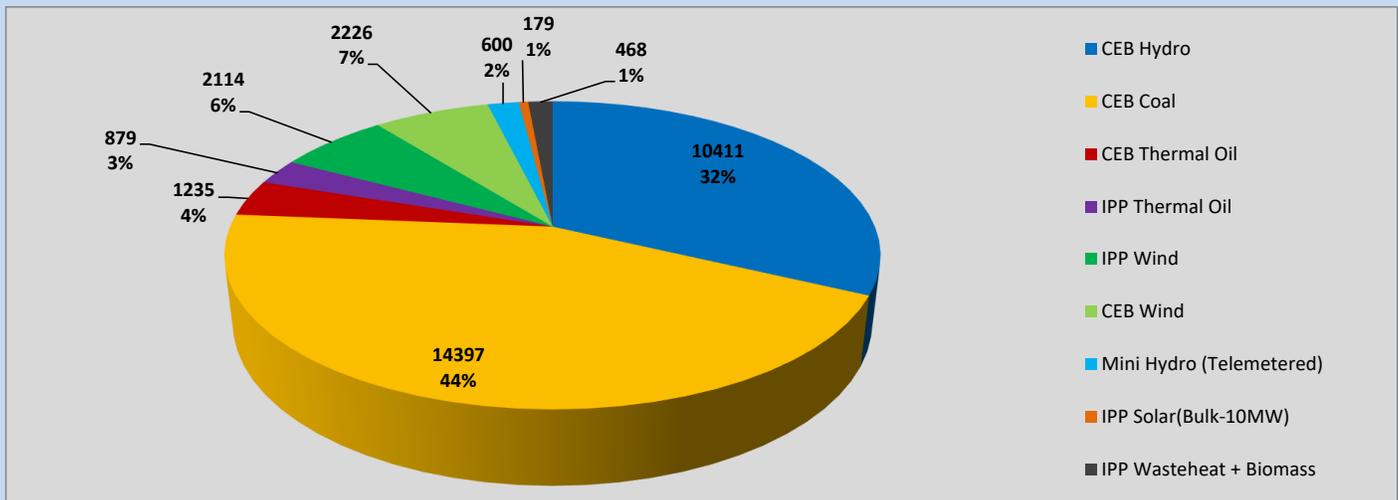
# Generation and Reservoirs Statistics

May 14, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

32,509 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 3390 MWh  
 Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh  
 Estimated Solar Roof Top PV = 1920 MWh

## Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

### For Current Month

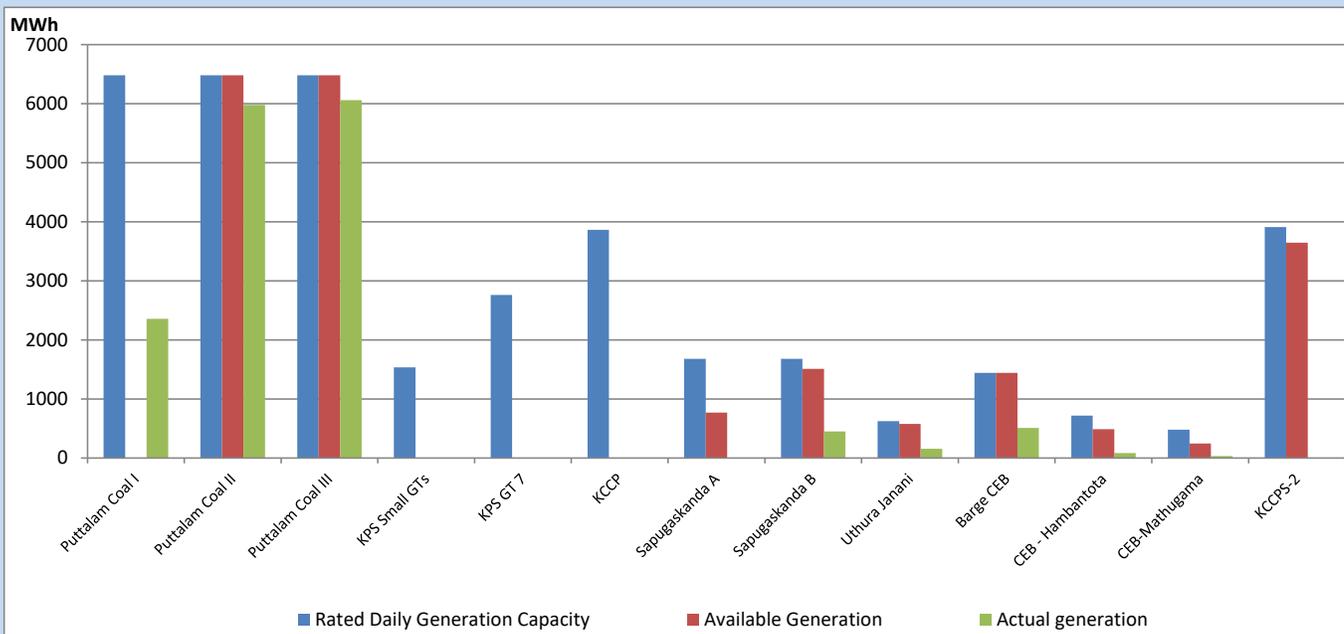
Category	Dispatch (GWh)	
CEB Hydro	113	22.62%
CEB Coal	254	50.71%
CEB Thermal Oil	55	11.06%
IPP Thermal	28	5.68%
SPP Wind	14	2.81%
CEB Wind	13	2.53%
Mini Hydro (Telemetered)	15	2.92%
IPP Solar (Bulk-10MW)	3	0.69%
IPP Wasteheat + BMP	5	0.98%
<b>Total</b>	<b>500</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,315	26.01%
CEB Coal	2,241	44.33%
CEB Thermal Oil	710	14.06%
IPP Thermal	446	8.82%
SPP Wind	72	1.42%
CEB Wind	83	1.64%
Mini Hydro (Telemetered)	110	2.18%
IPP Solar (Bulk-10MW)	38	0.75%
IPP Wasteheat	40	0.79%
<b>Total</b>	<b>5,054</b>	

## CEB owned Thermal Plant Dispatch

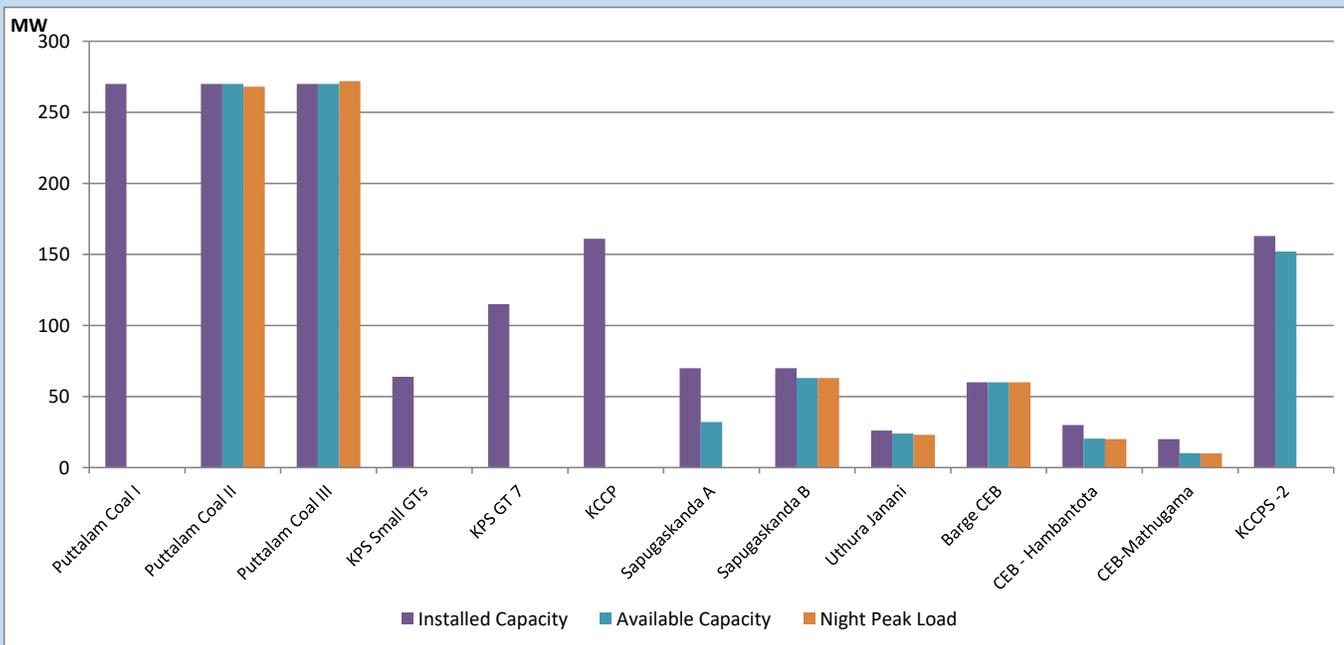
May 14, 2023



Available Generation is estimated based on plant availability at 6.00am on

May 15, 2023

## CEB owned Thermal Plant Loading at the Night Peak



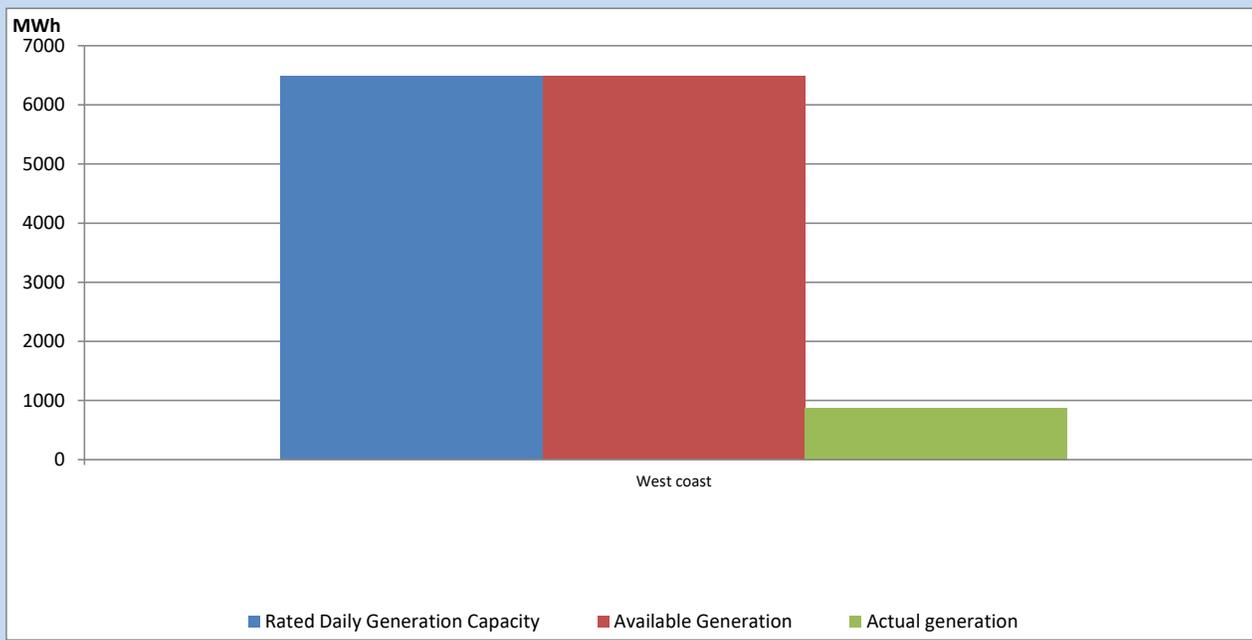
Note-

Plant availability is recorded at 6.00 am on

May 15, 2023

## IPP owned Thermal Plant Dispatch

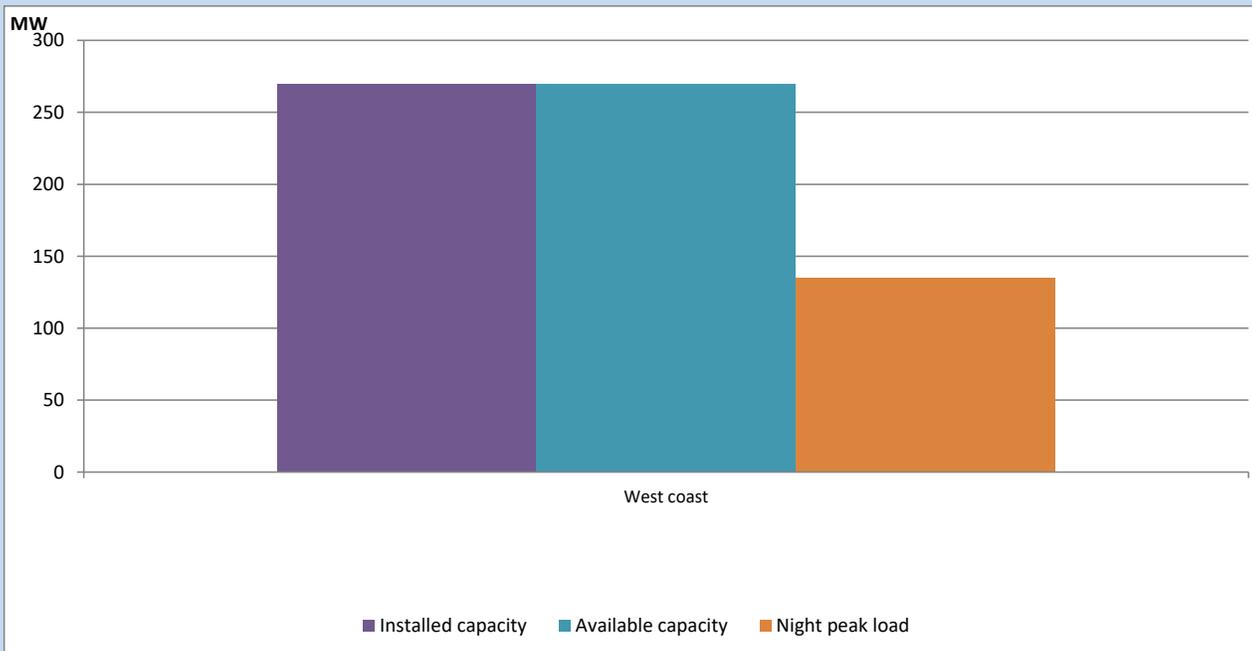
May 14, 2023



Available Generation is estimated based on plant availability at 6.00am on

May 15, 2023

## IPP owned Thermal Plant Loading at the Night Peak

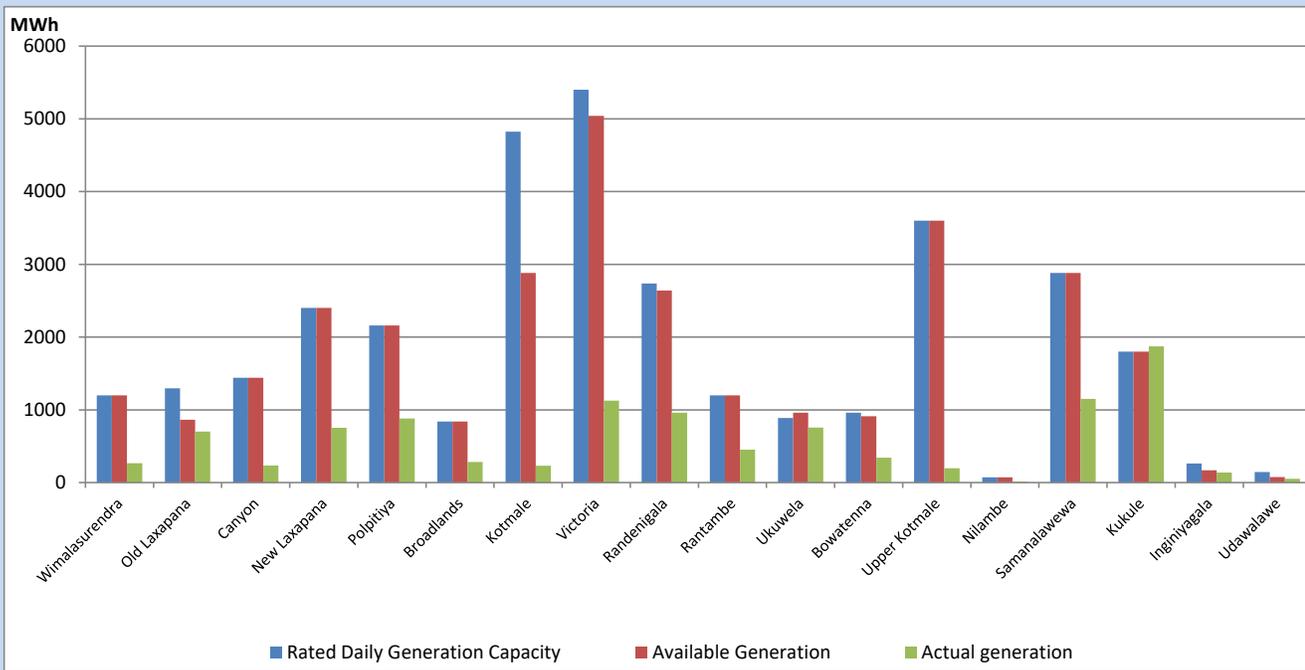


Note- Plant availability is recorded at 6.00 am on

May 15, 2023

## Major Hydro Plant Dispatch

May 14, 2023

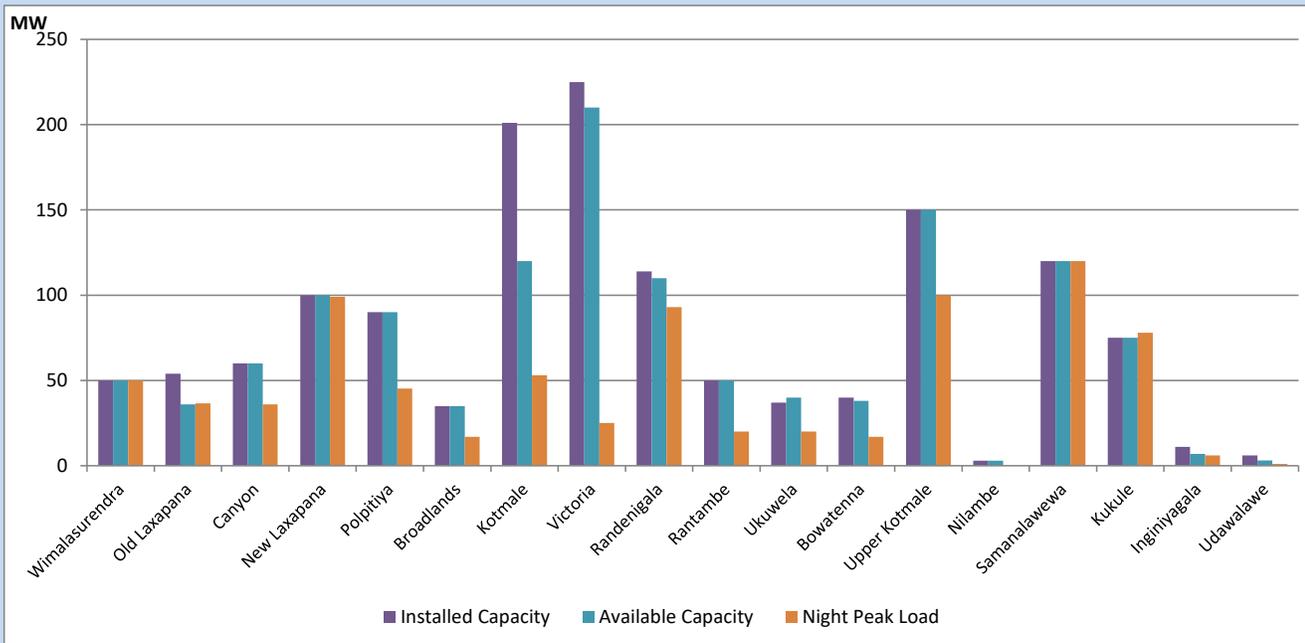


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 15, 2023

## Major Hydro Plant Loading at Night Peak

May 14, 2023



Note- Plant availability is recorded at 6.00 am on  
Broadlands power plant is operating in the Commissioning Stage

May 15, 2023

## Summary of Major Plant performance

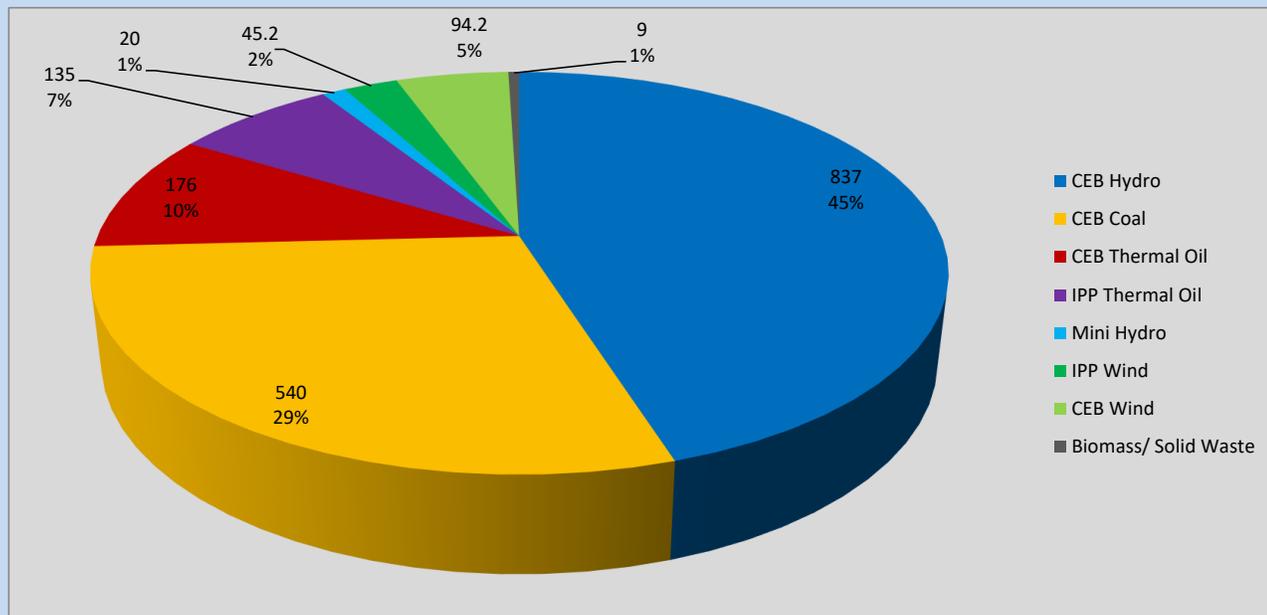
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	267
Old Laxapana	54	36	37	703
Canyon	60	60	36	236
New Laxapana	100	100	99	752
Polpitiya	90	90	45	882
Broadlands	35	35	17	284
Kotmale	201	120	53	230
Victoria	225	210	25	1,127
Randenigala	114	110	93	961
Rantambe	50	50	20	451
Ukuwela	37	40	20	756
Bowatenna	40	38	17	342
Upper Kotmale	150	150	100	196
Nilambe	3	3	0	13
Samanalawewa	120	120	120	1,150
Kukule	75	75	78	1,871
Inginiyagala	11	7	6	138
Udawalawe	6	3	1	52
Puttalam Coal I	270	0	0	2,355
Puttalam Coal II	270	270	268	5,981
Puttalam Coal III	270	270	272	6,061
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	32	0	0
Sapugaskanda B	70	63	63	451
Uthura Janani	26	24	23	156
Barge CEB	60	60	60	509
CEB-Hambantota	30	20	20	84
CEB-Mathugama	20	10	10	35
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	152	0	0
West Coast	270	270	135	879
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,469</b>	<b>1,836</b>	<b>32,509</b>

Plant availability is the availability recorded at 6 am on

May 15, 2023

## Contribution to the Night Peak in MW

May 14, 2023

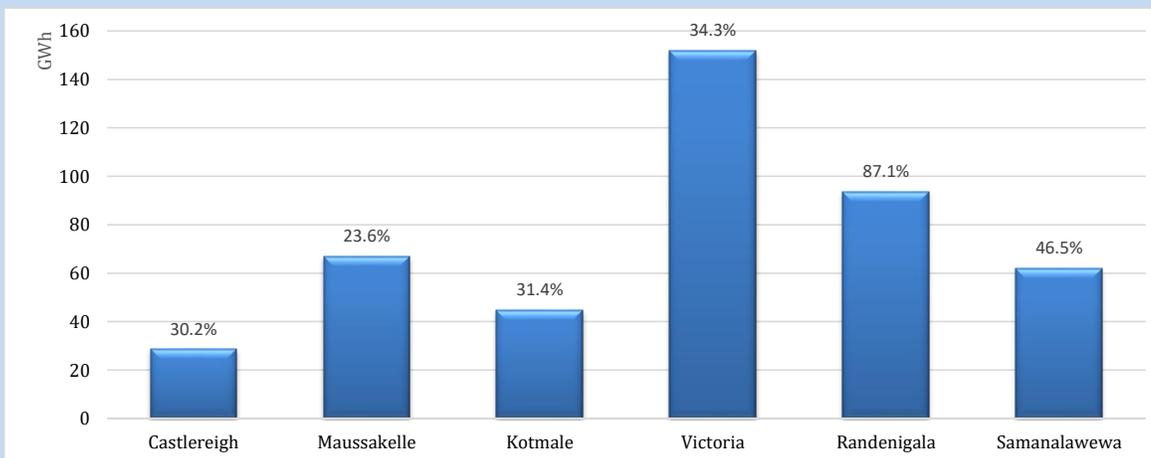


Night Peak*	1,856 MW
Day Peak	1,227 MW
Minimum Demand	1,146 MW

Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

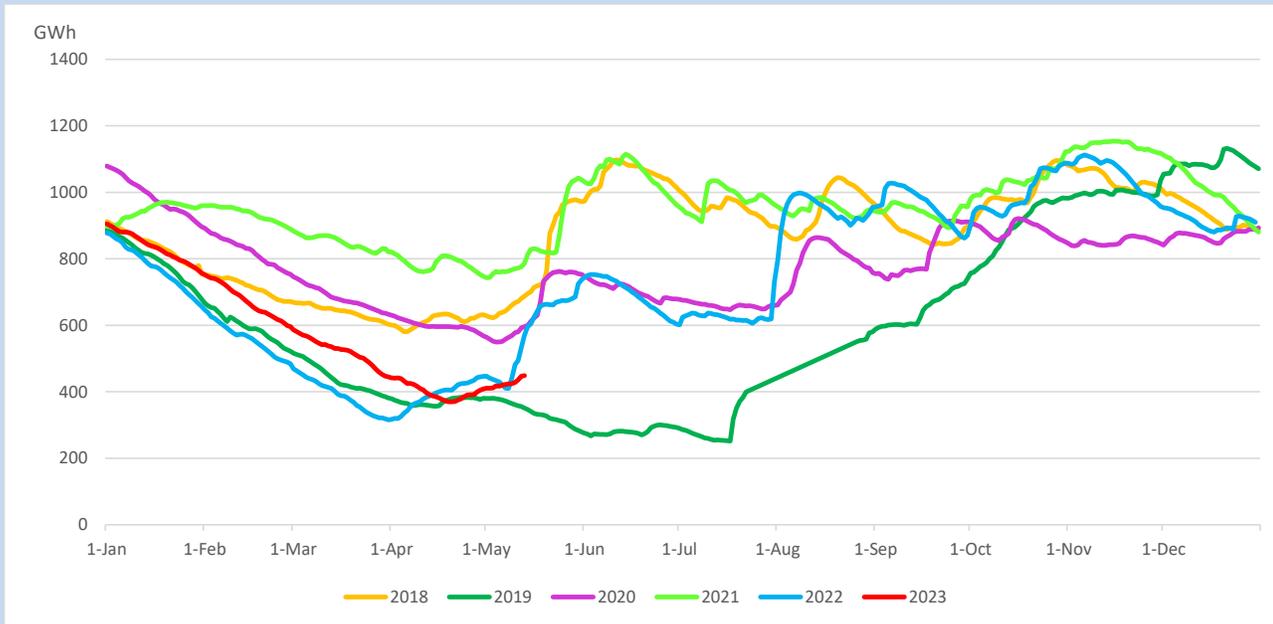
## Reservoir Levels -

as at 06.00 Hr on May 15, 2023

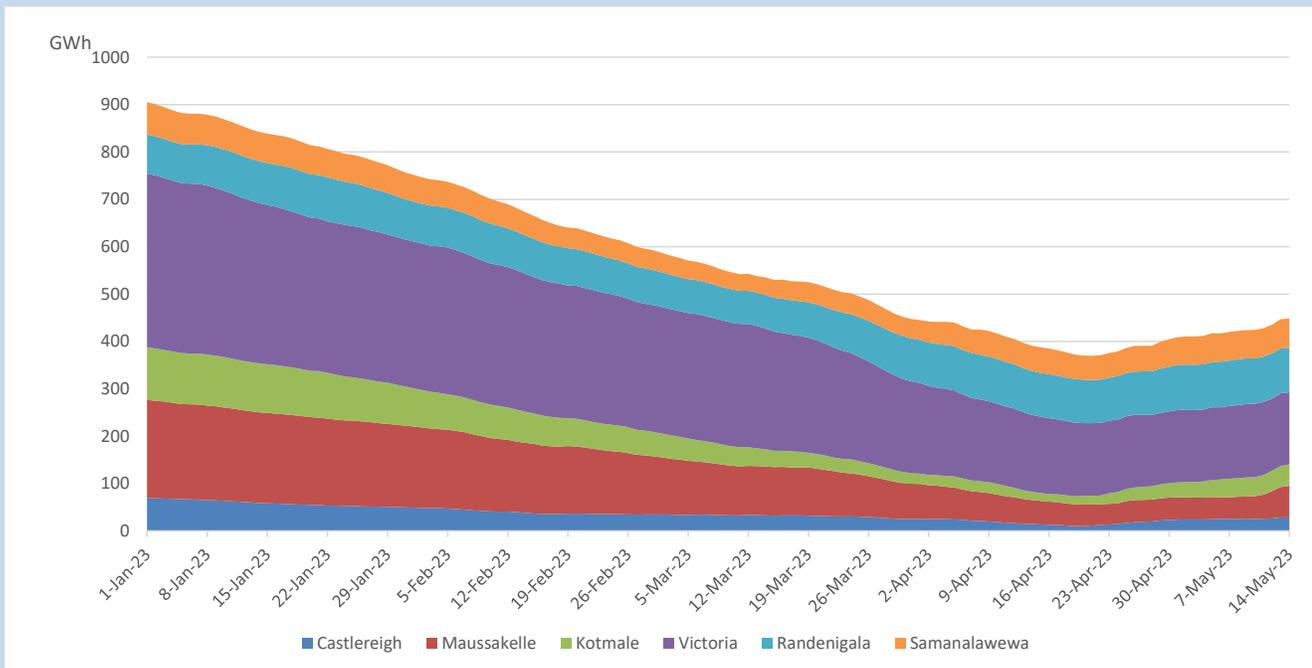


Total Reservoir Level	448.3 GWh
% of Total capacity	37.2%

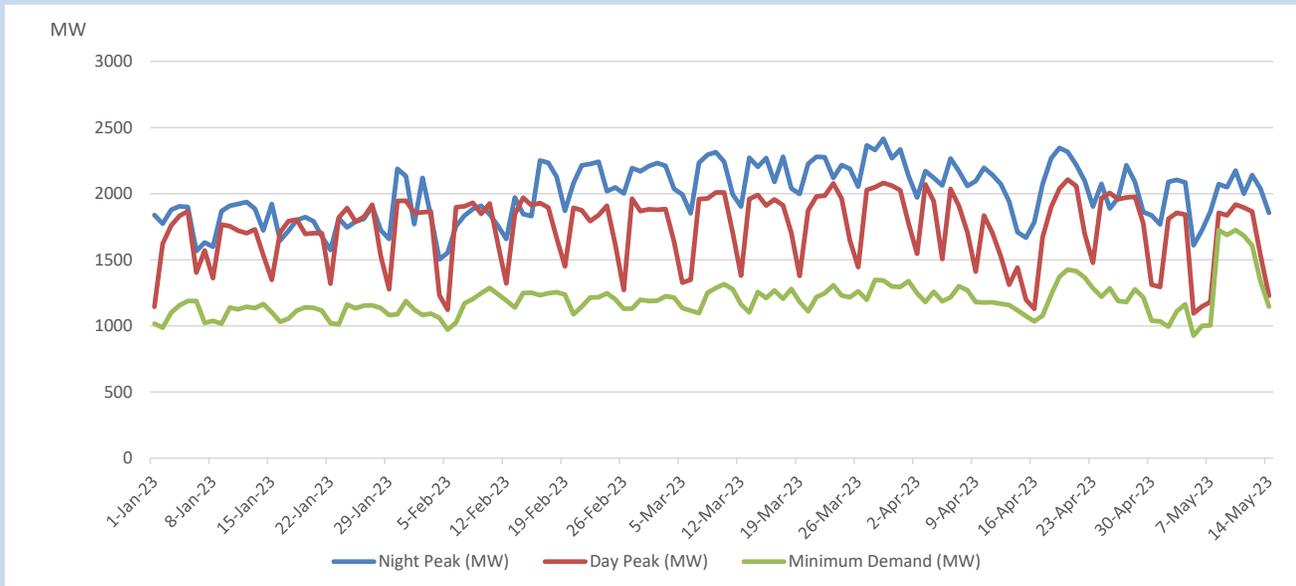
## Comparison of Total Reservoir Storage Levels with Past Years



## Variation of Major Hydro Reservoir Levels in the current year (GWh)



## Variation of Demand during the current year

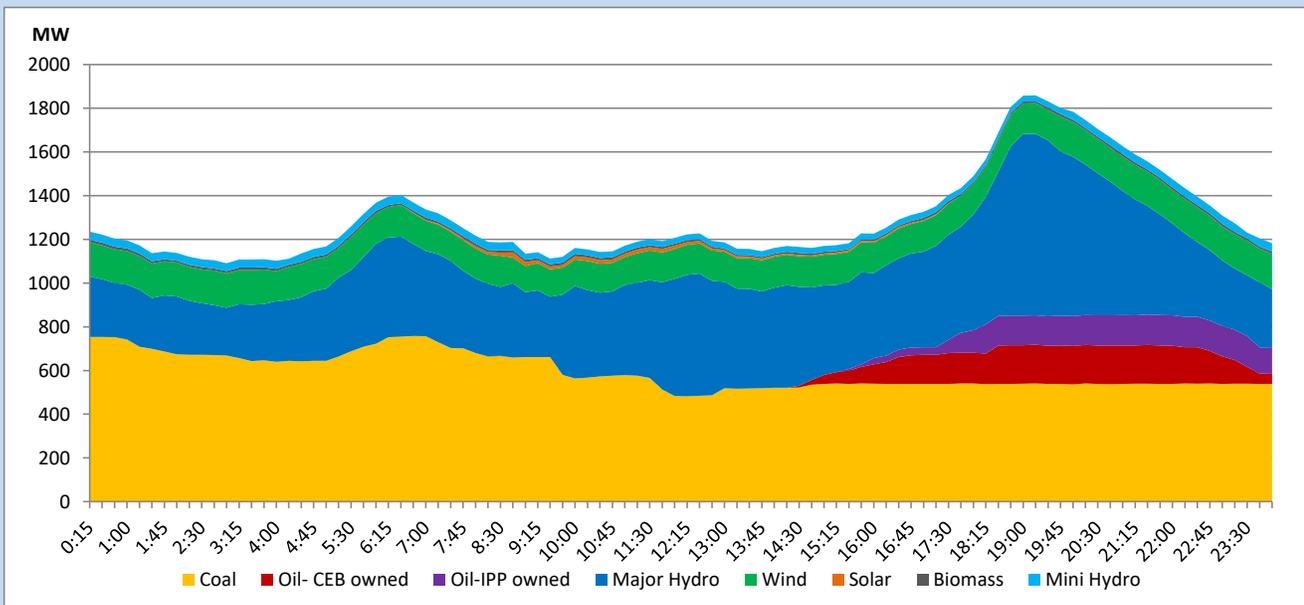


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

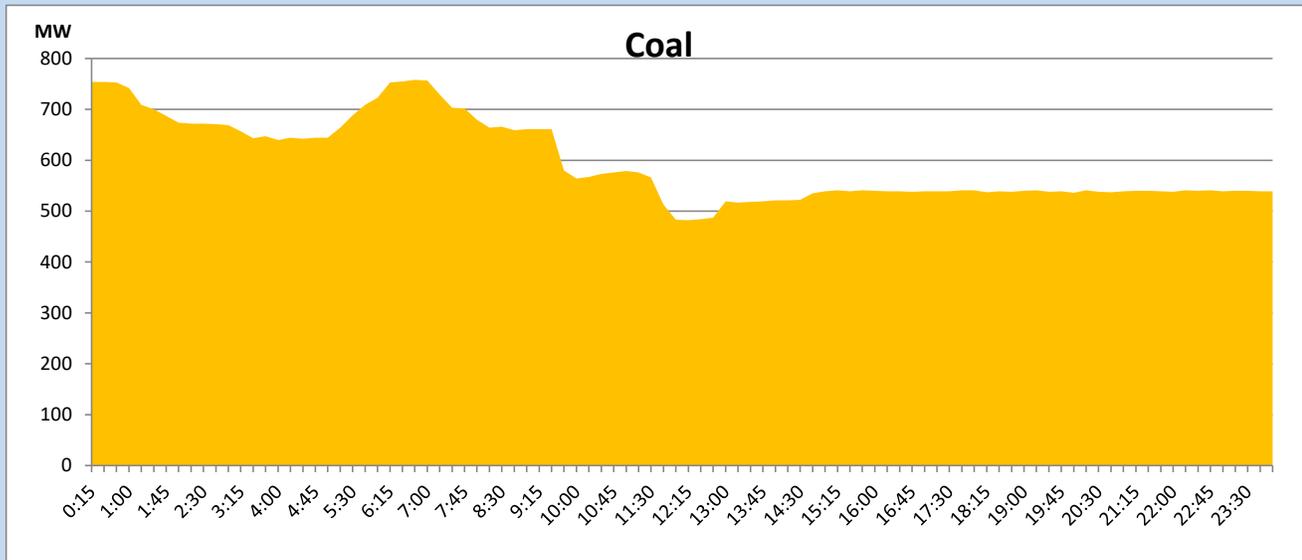
May 14, 2023

Solar and wind data is based on Telemetered Power Stations only



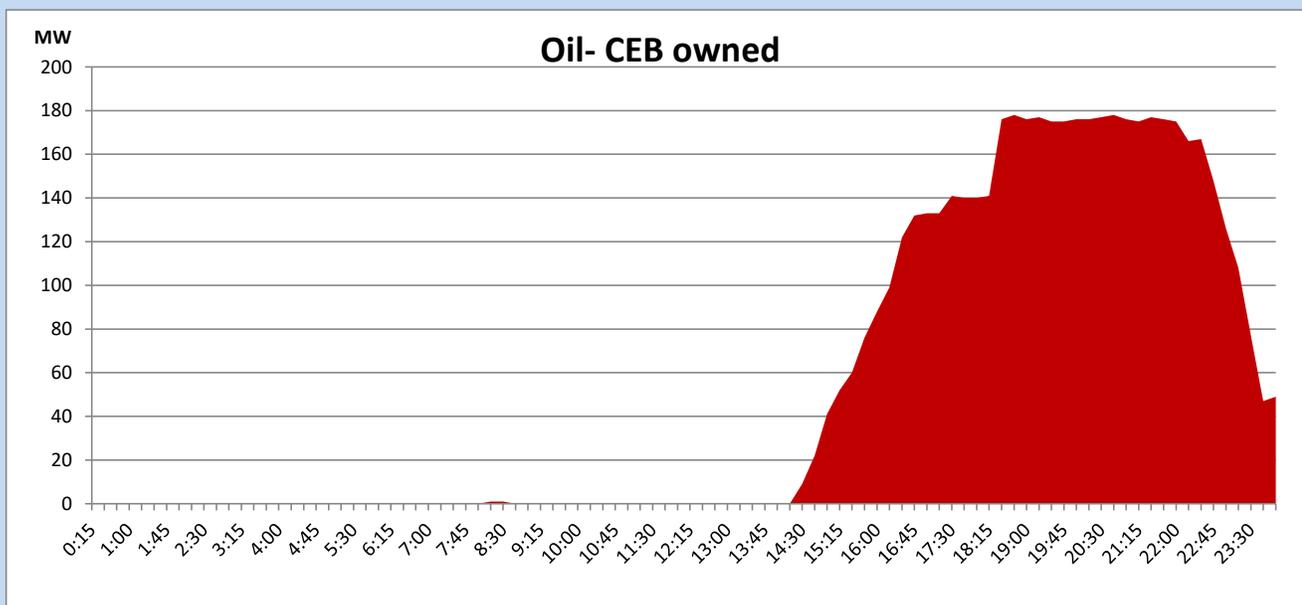
## Coal Generation during

May 14, 2023



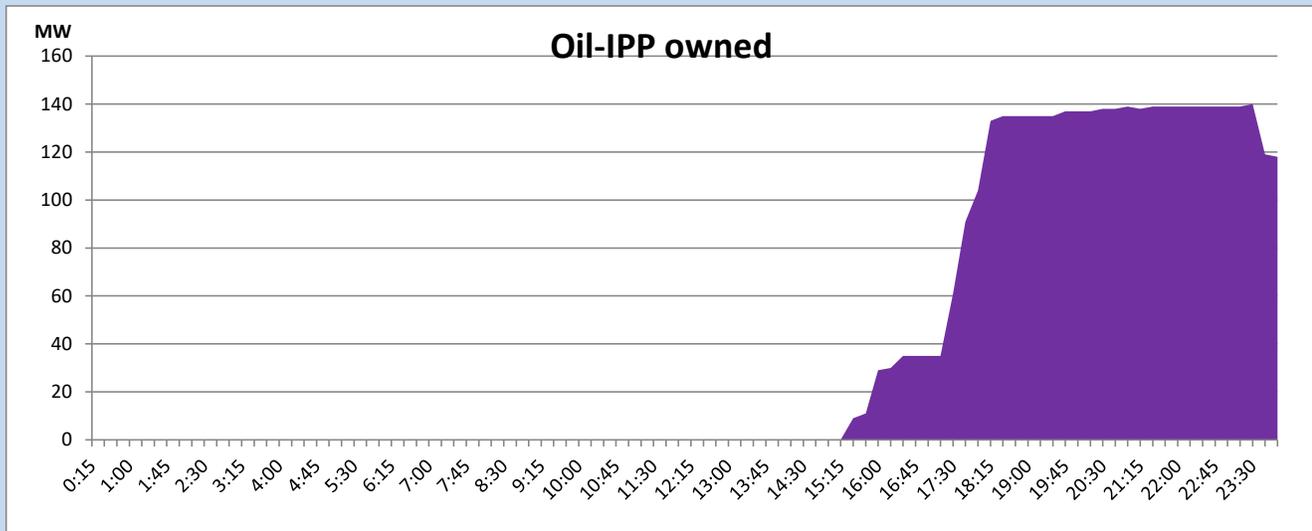
## CEB Oil Plant Generation during

May 14, 2023



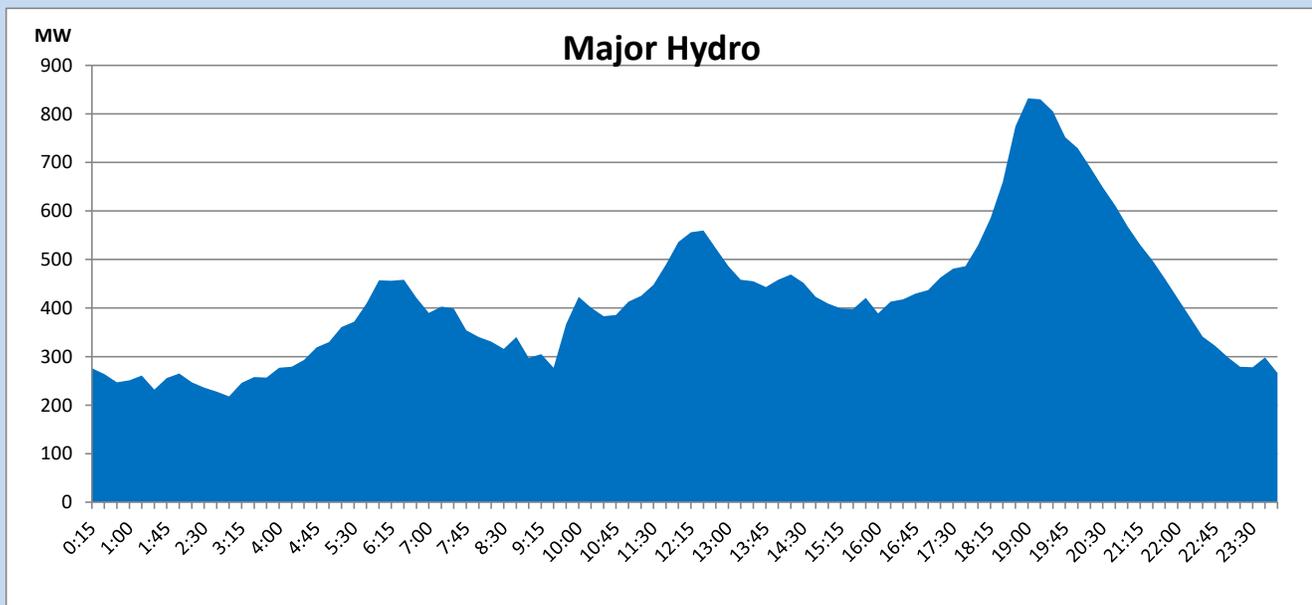
## IPP Oil Plant Generation during

May 14, 2023



## Major Hydro Generation during

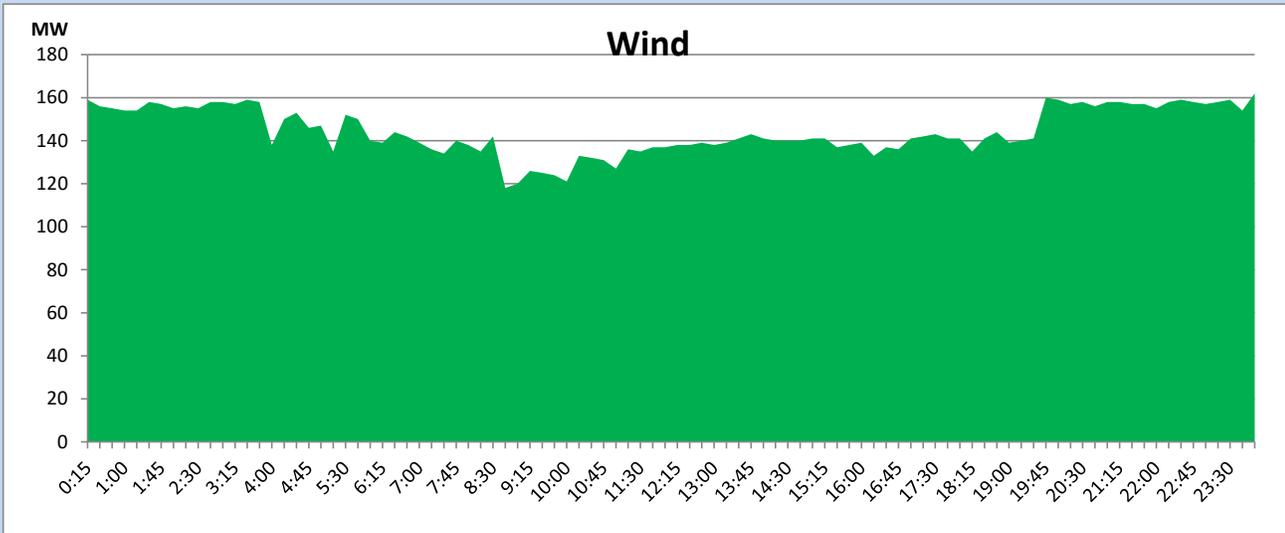
May 14, 2023



## Wind Generation during

May 14, 2023

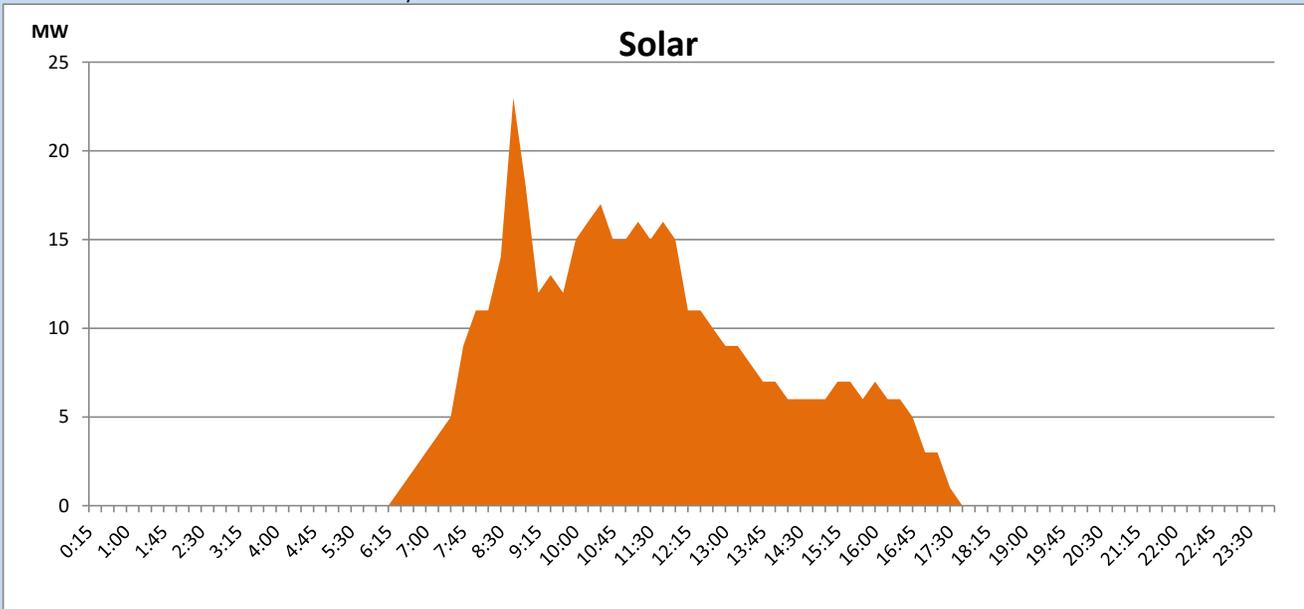
Based on Telemetered Power Stations only



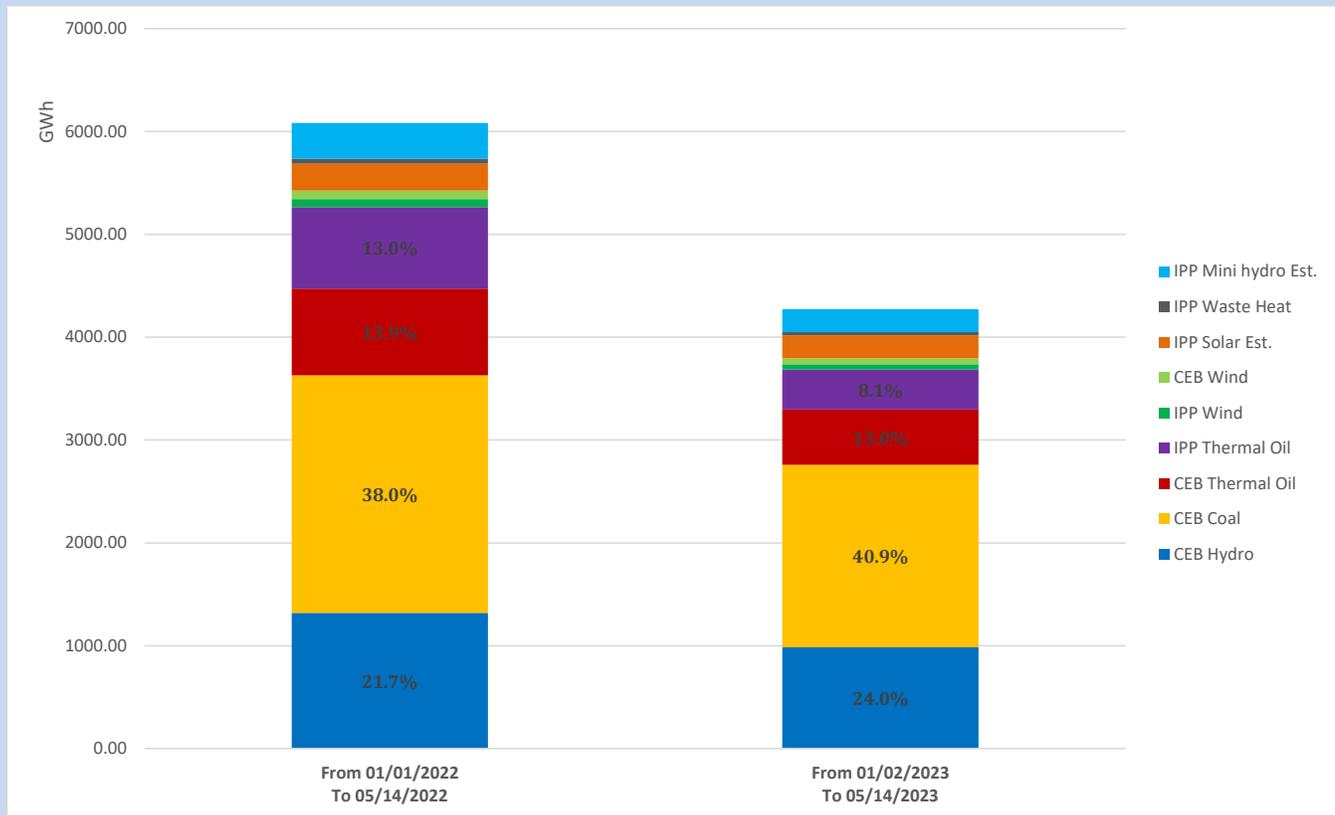
## Solar Generation during

May 14, 2023

Based on Telemetered Power Stations only



## Cumulative Dispatch Comparison with Last Year



The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants

### Thermal Plant Fuel types

Power Station	Primary Fuel
CEB Thermal	
Sapugaskanda 1	Heavy Fuel
Sapugaskanda 2	Heavy Fuel
Kelanitissa Small Gas Turbines	Auto Diesel
GT 7 - Kelanitissa	Auto Diesel
Kelanitissa CCY	Naphtha or Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Heavy Fuel

Power Station	Primary Fuel
Private Thermal	
West Coast	Auto Diesel / Heavy Fuel

### Major Incidents reported during the day

May 14, 2023

- 1) Uthuru Janani Unit 03 which was made unavailable at 17:03hrs (13.05.2023) due to a starting failure, made available for generation at 08:37hrs.
- 2) Power Barge Unit 04 which was made unavailable at 18:29hrs (13.05.2023) due to an exhaust leakage, resumed generation at 16:41hrs..
- 3) LVPS Unit 01 made forced shutdown and desynchronized from the system at 11:55hrs due to high vibration in ID fan system.The unit is yet to resume gene
- 4) Kukule pond spilling continues to the present hour.