

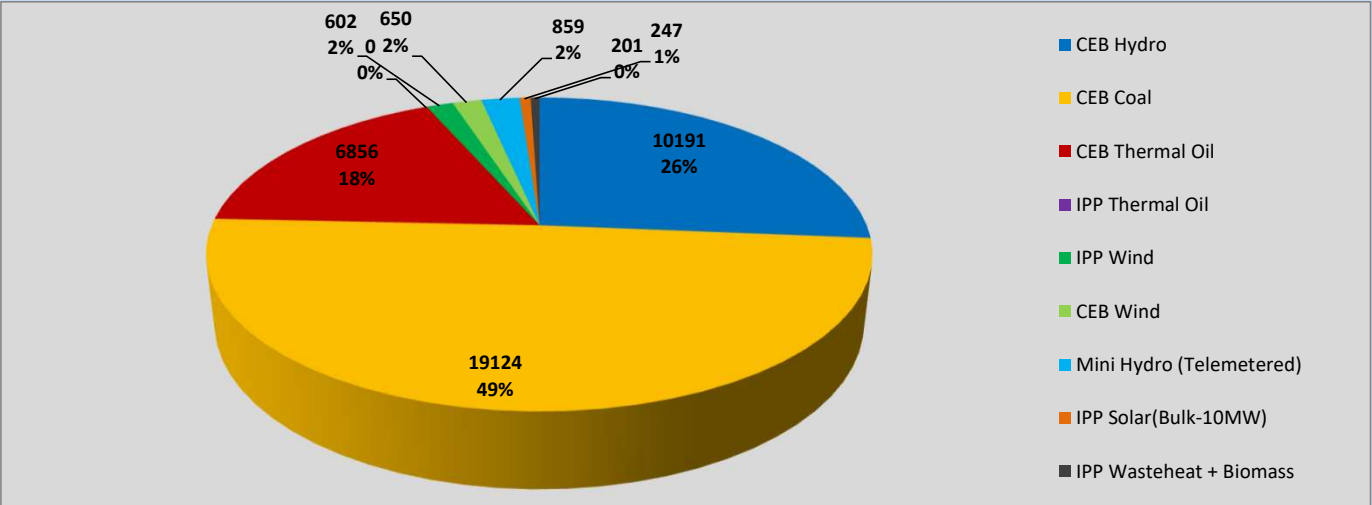
# Generation and Reservoirs Statistics

January 24, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 38,730 MWh

Estimated figures of CEB generation report

- Estimated unserved energy = 1.86 GWh
- Estimated Mini Hydro (Non telemetered) = 1661 MWh
- Estimated IPP Solar PV (Bulk 1-10MW) = 304MWh
- Estimated Solar Roof Top PV = 1480 MWh

Cumulative Dispatch

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

For Current Month

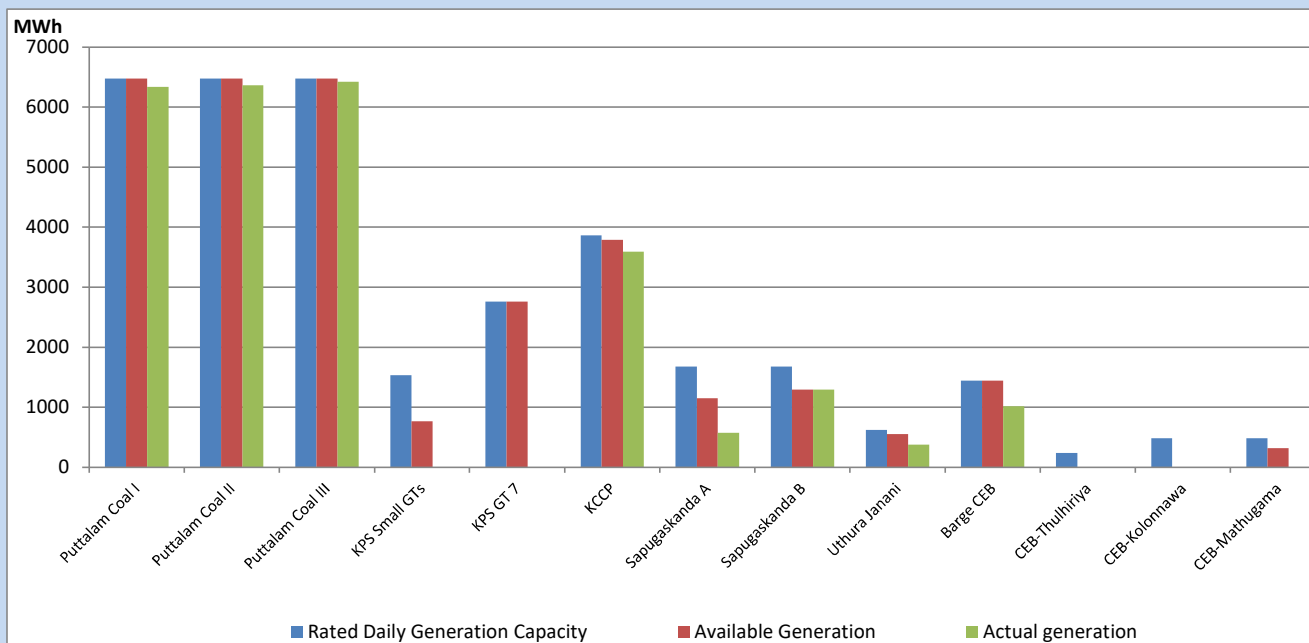
Category	Dispatch (GWh)	
CEB Hydro	258	30.21%
CEB Coal	334	39.16%
CEB Thermal Oil	134	15.72%
IPP Thermal	56	6.55%
SPP Wind	17	1.95%
CEB Wind	20	2.37%
Mini Hydro (Telemetered)	21	2.49%
IPP Solar(Bulk-10MW)	7	0.78%
IPP Wasteheat + BMP	7	0.78%
Total	852	

For Current Year

Category	Dispatch (GWh)	
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## CEB owned Thermal Plant Dispatch

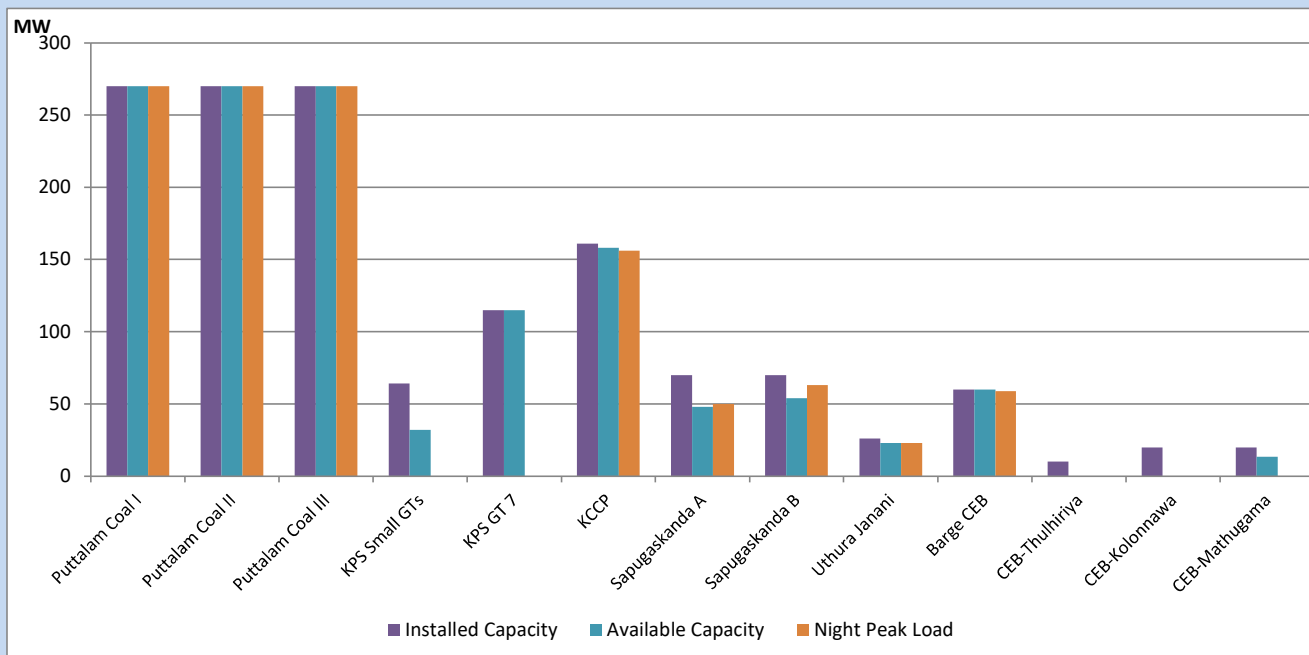
January 24, 2023



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

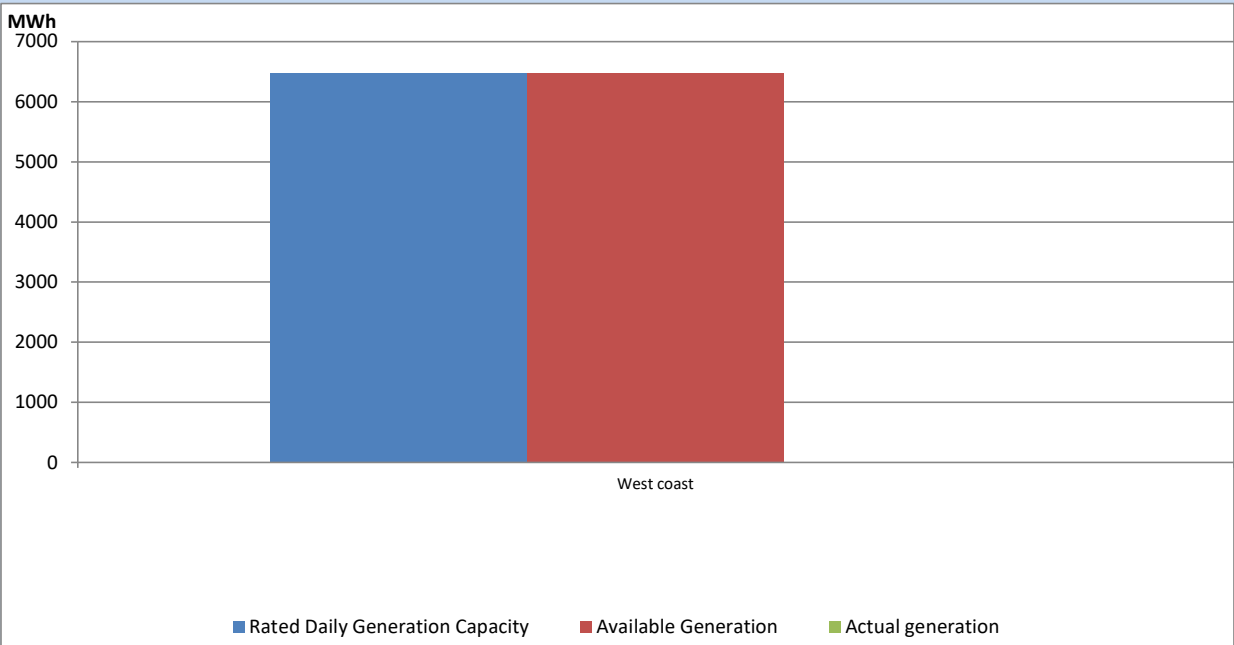
January 25, 2023

## CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

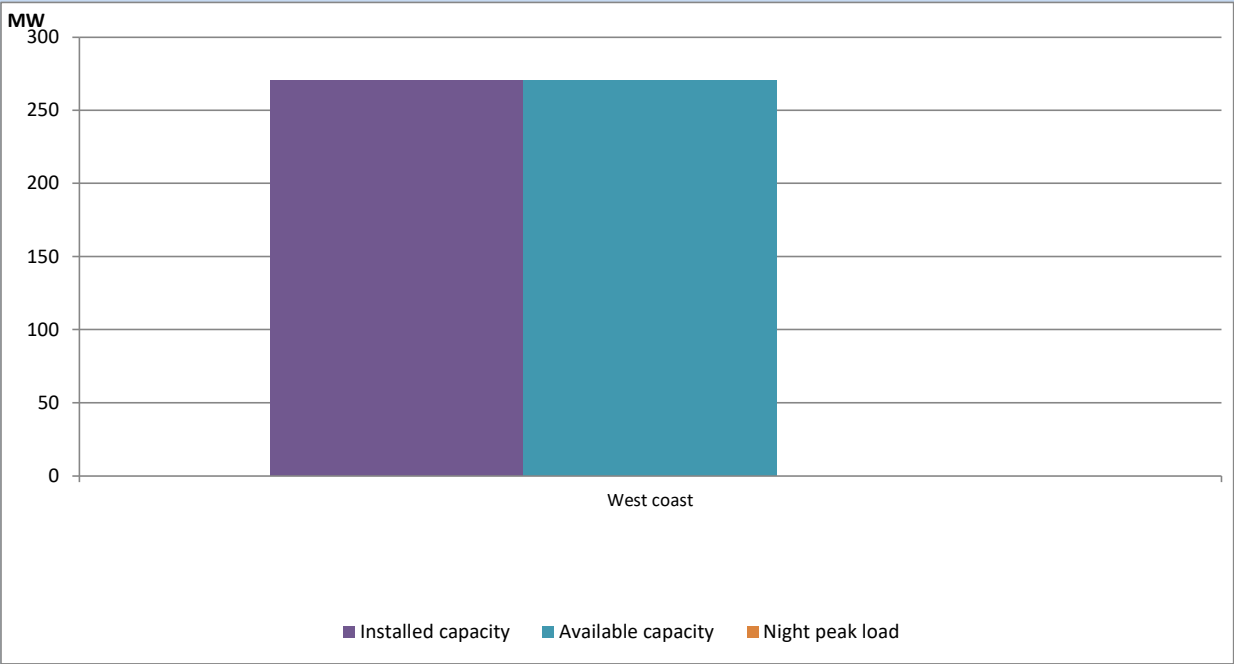
January 25, 2023



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

January 25, 2023

IPP owned Thermal Plant Loading at the Night Peak

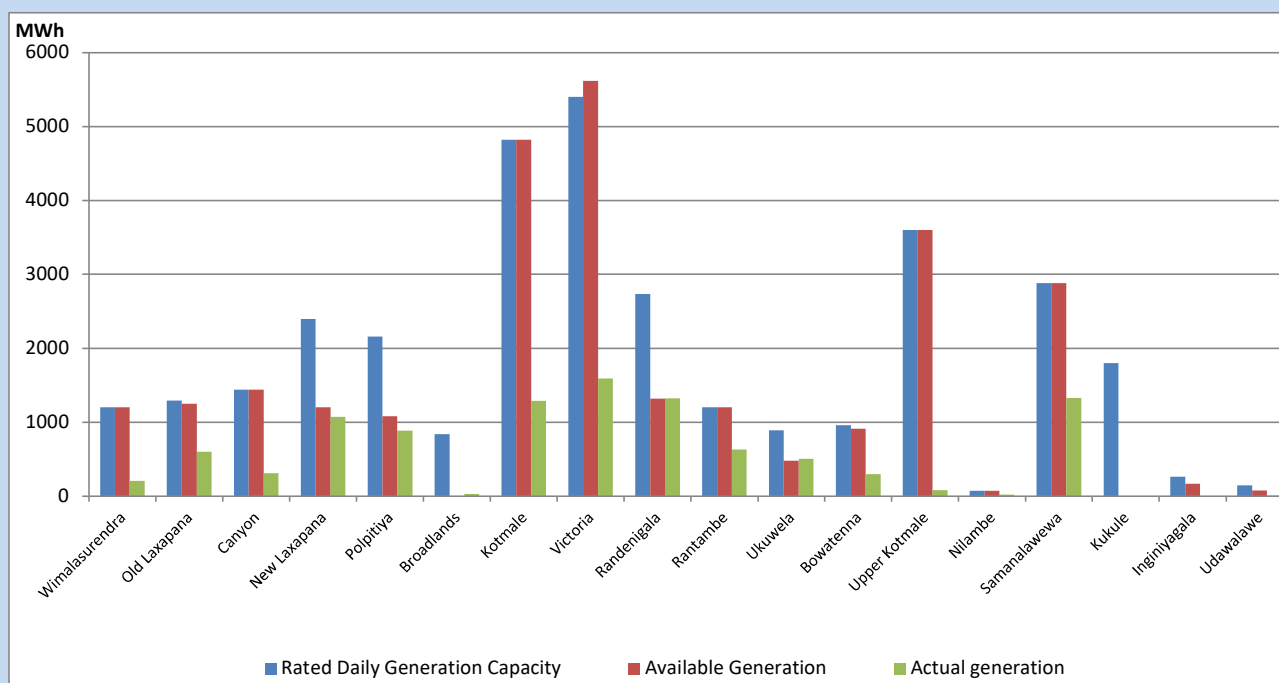


Note- Plant avilability is recorded at 6.00 am on

January 25, 2023

## Major Hydro Plant Dispatch

January 24, 2023

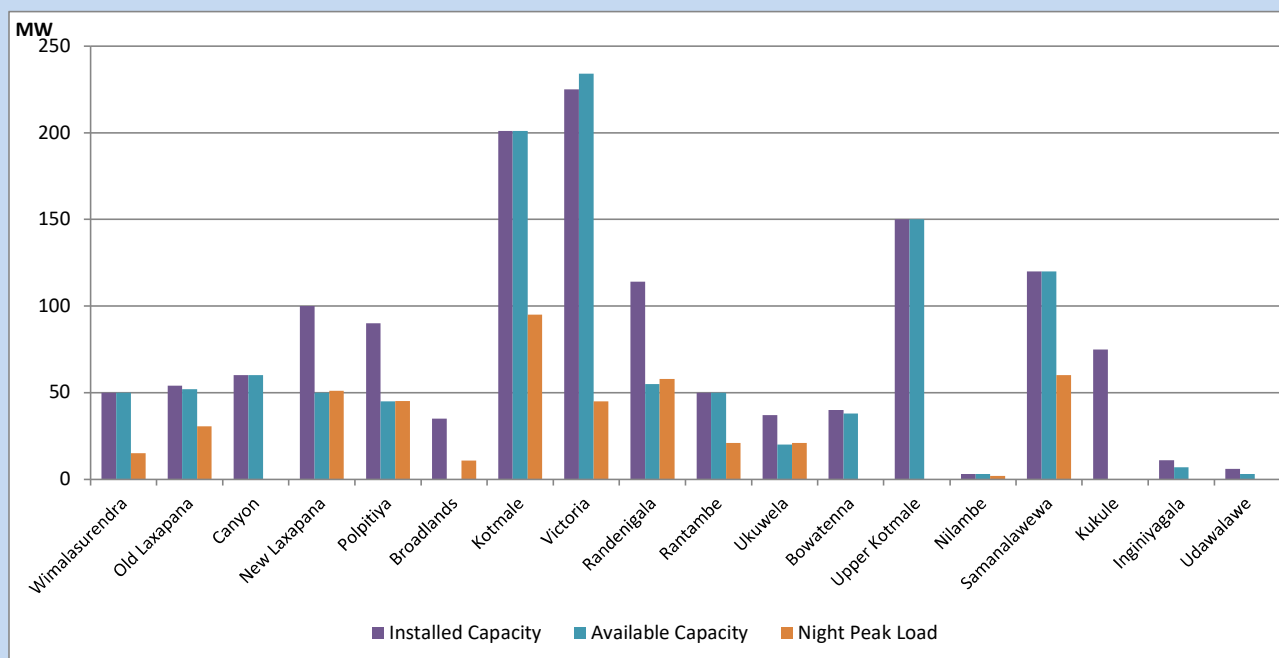


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 25, 2023

## Major Hydro Plant Loading at Night Peak

January 24, 2023



Note- Plant availability is recorded at 6.00 am on

January 25, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

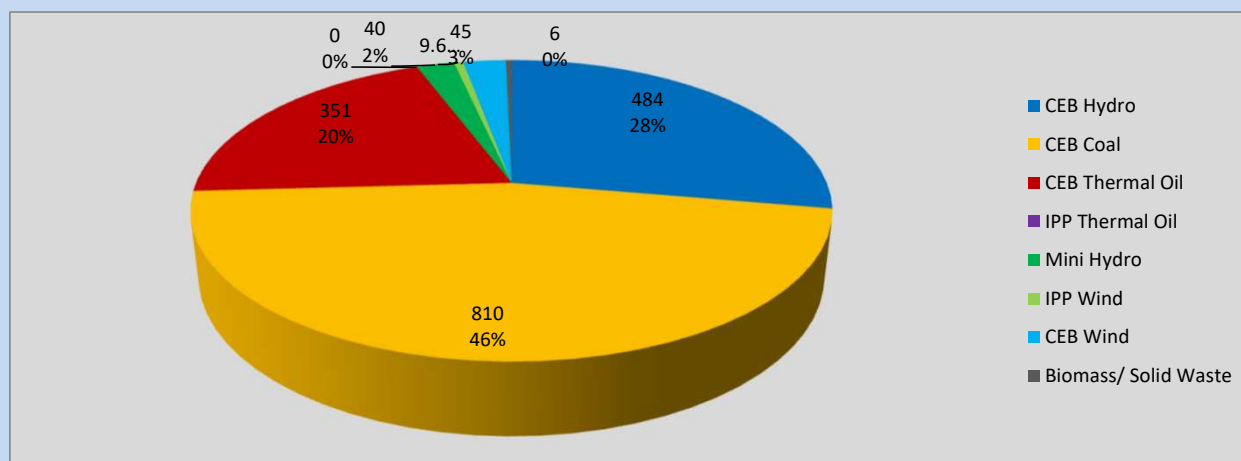
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	15	208
Old Laxapana	54	52	31	601
Canyon	60	60	0	310
New Laxapana	100	50	51	1,073
Polpitiya	90	45	45	885
Broadlands	35	0	11	30
Kotmale	201	201	95	1,290
Victoria	225	234	45	1,591
Randenigala	114	55	58	1,326
Rantambe	50	50	21	633
Ukuwela	37	20	21	505
Bowatenna	40	38	0	298
Upper Kotmale	150	150	0	83
Nilambe	3	3	2	20
Samanalawewa	120	120	60	1,329
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	9
Puttalam Coal I	270	270	270	6,337
Puttalam Coal II	270	270	270	6,363
Puttalam Coal III	270	270	270	6,424
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	156	3,590
Sapugaskanda A	70	48	50	576
Sapugaskanda B	70	54	63	1,292
Uthura Janani	26	23	23	381
Barge CEB	60	60	59	1,017
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	0	0
Nothorn Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,721	1,716	38,730

Plant availability is the availability recorded at 6 am on

January 25, 2023

## Contribution to the Night Peak in MW

January 24, 2023

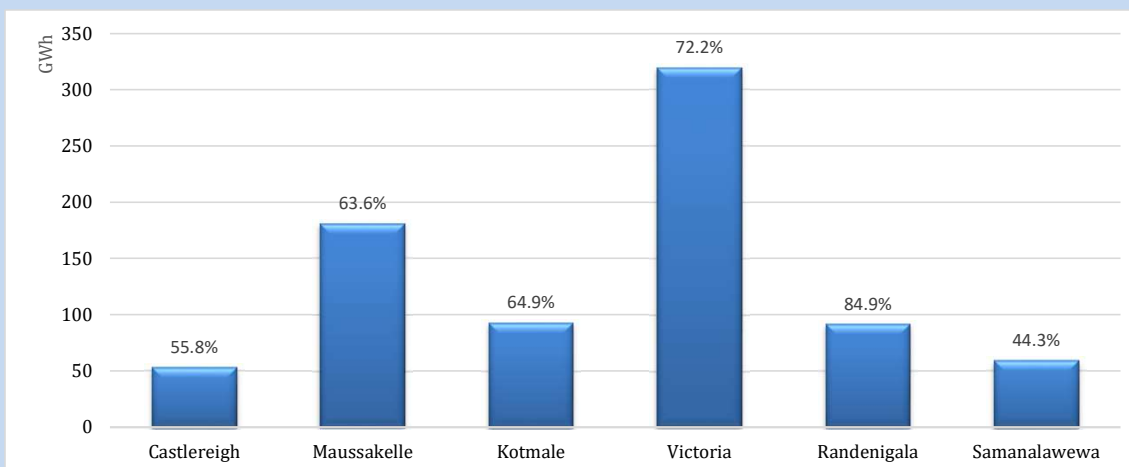


Night Peak*	1,744.8 MW
Day Peak	1,891.6 MW
Minimum Demand	1,161.8 MW

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

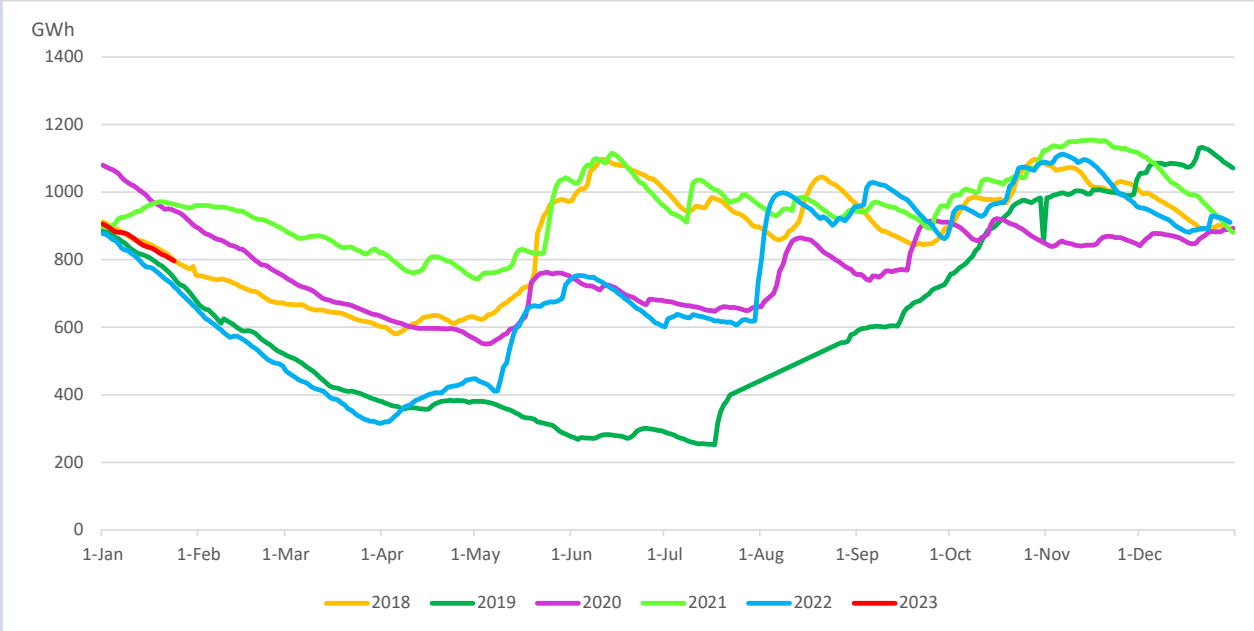
## Reservoir Levels -

as at 06.00 Hr on January 25, 2023

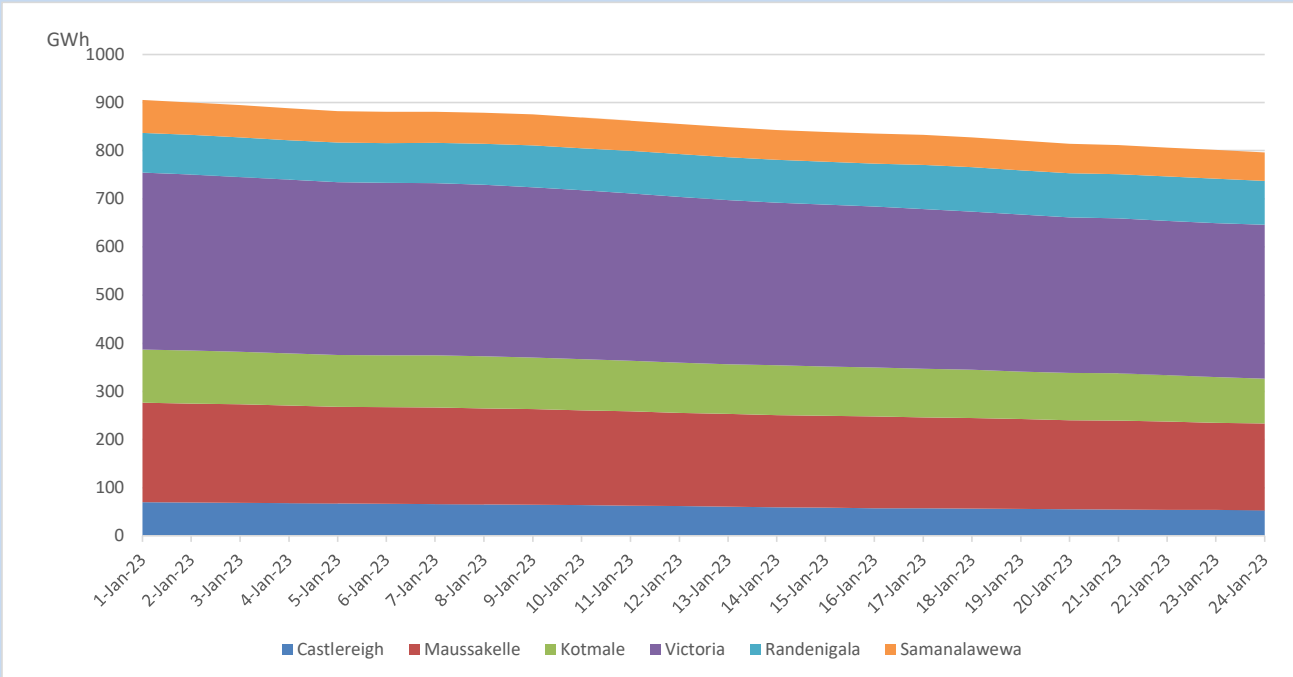


Total Reservoir Level	796.3 GWh
% of Total capacity	66.1%

Comparison of Total Reservoir Storage Levels with Past Years

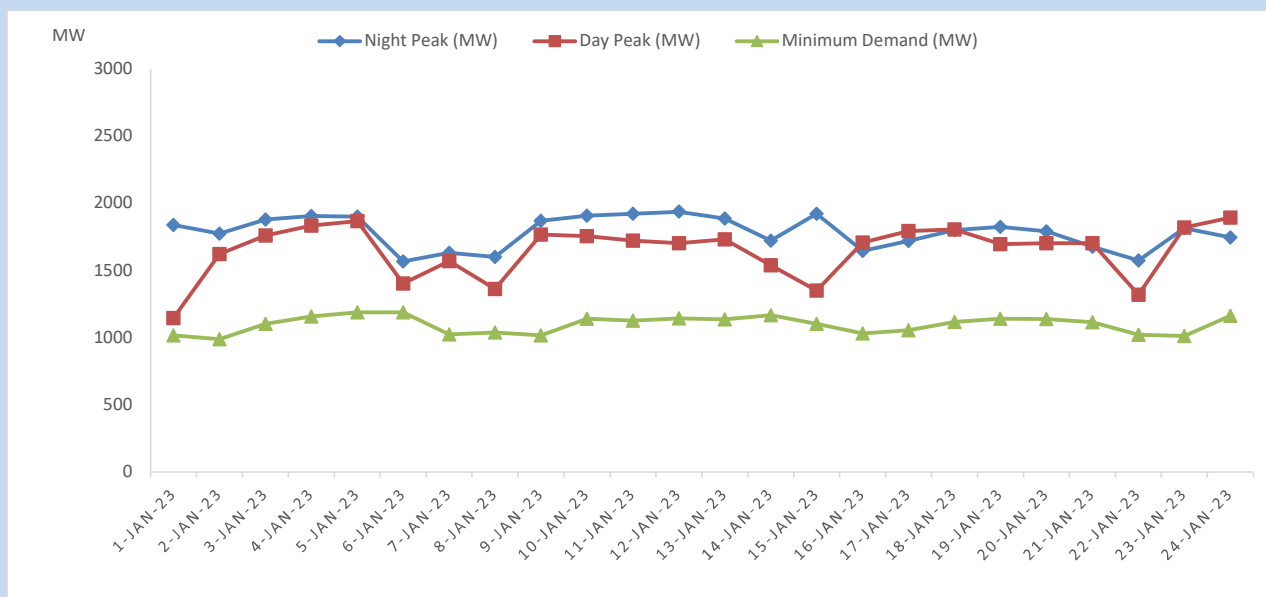


Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

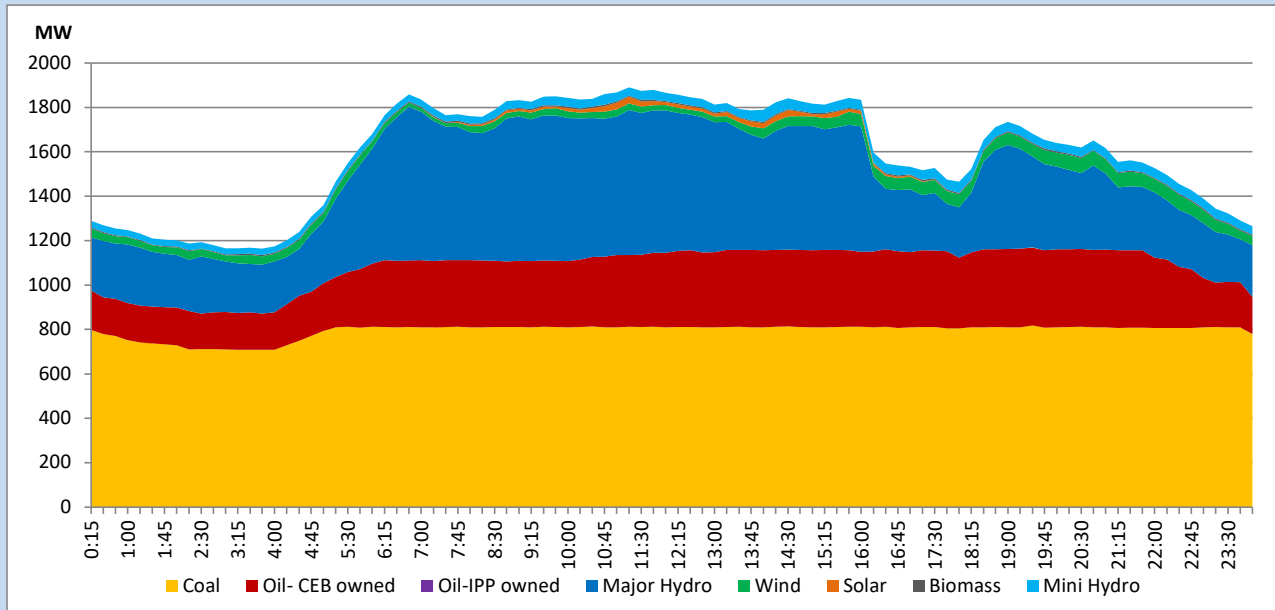


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

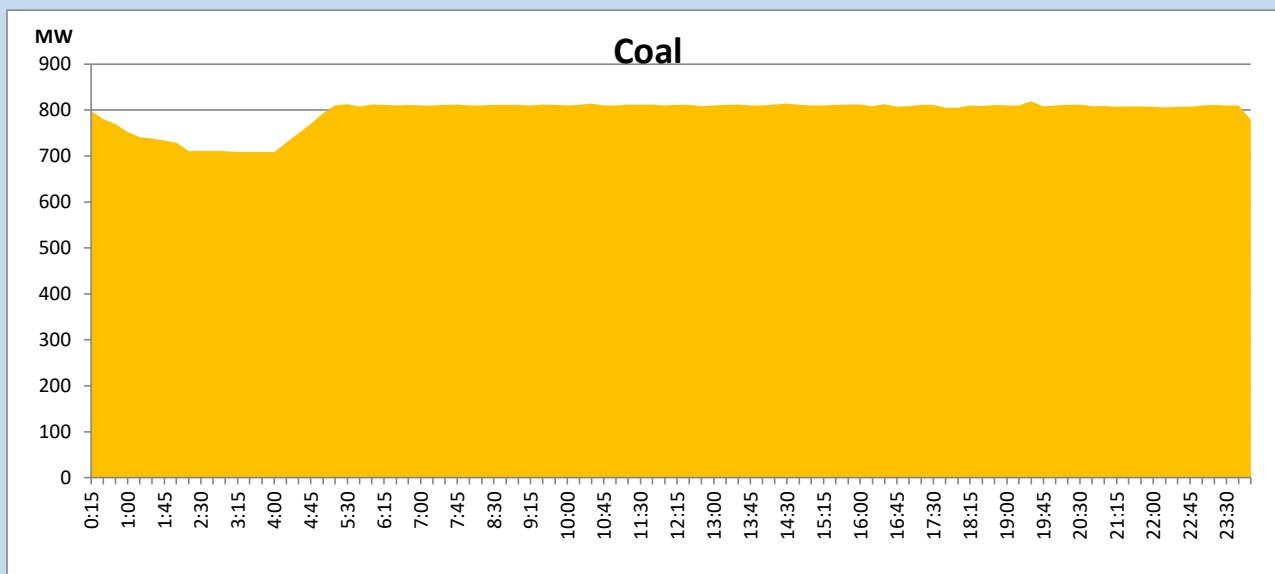
January 24, 2023

Solar and wind data is based on Telemetered Power Stations only



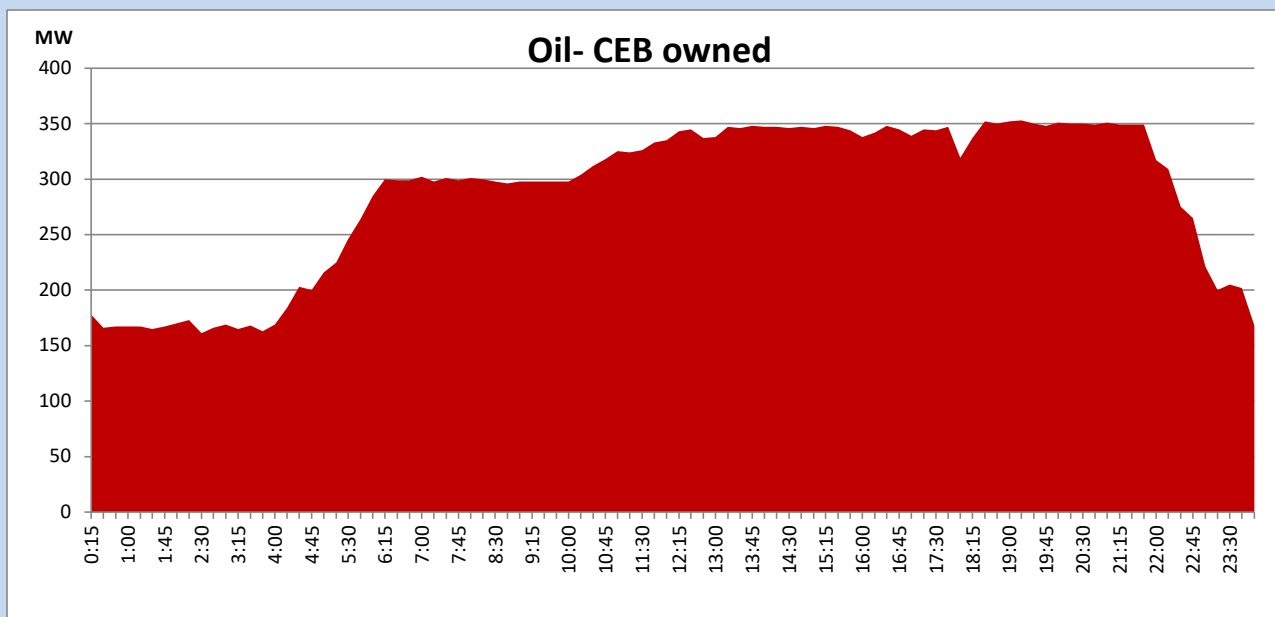
## Coal Generation during the Previous day

January 24, 2023



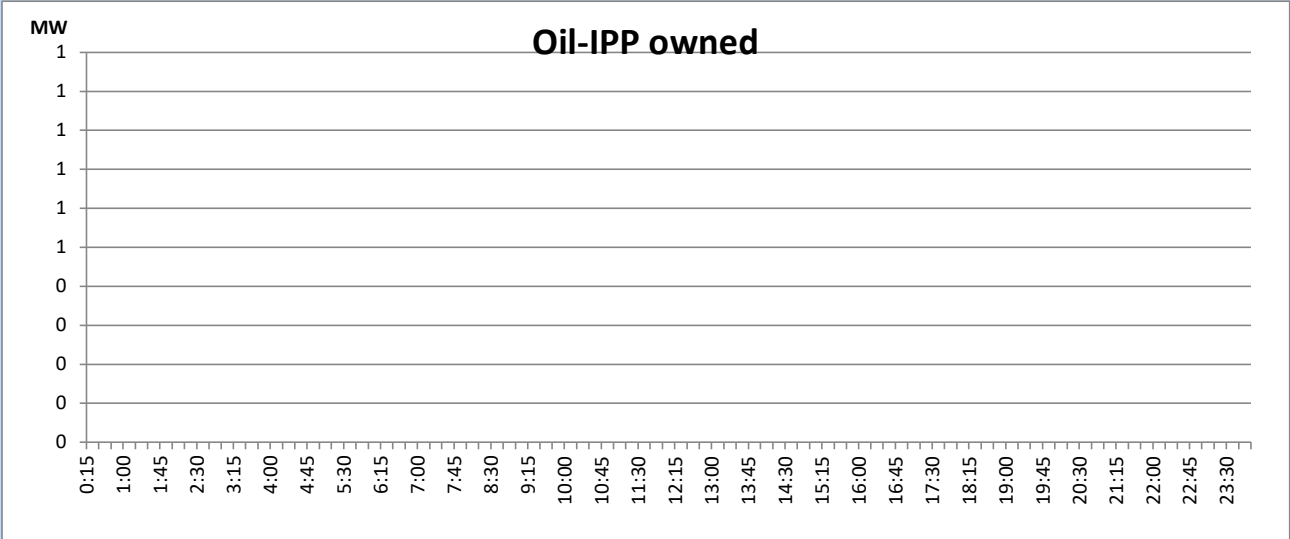
## CEB Oil Plant Generation during the Previous day

January 24, 2023



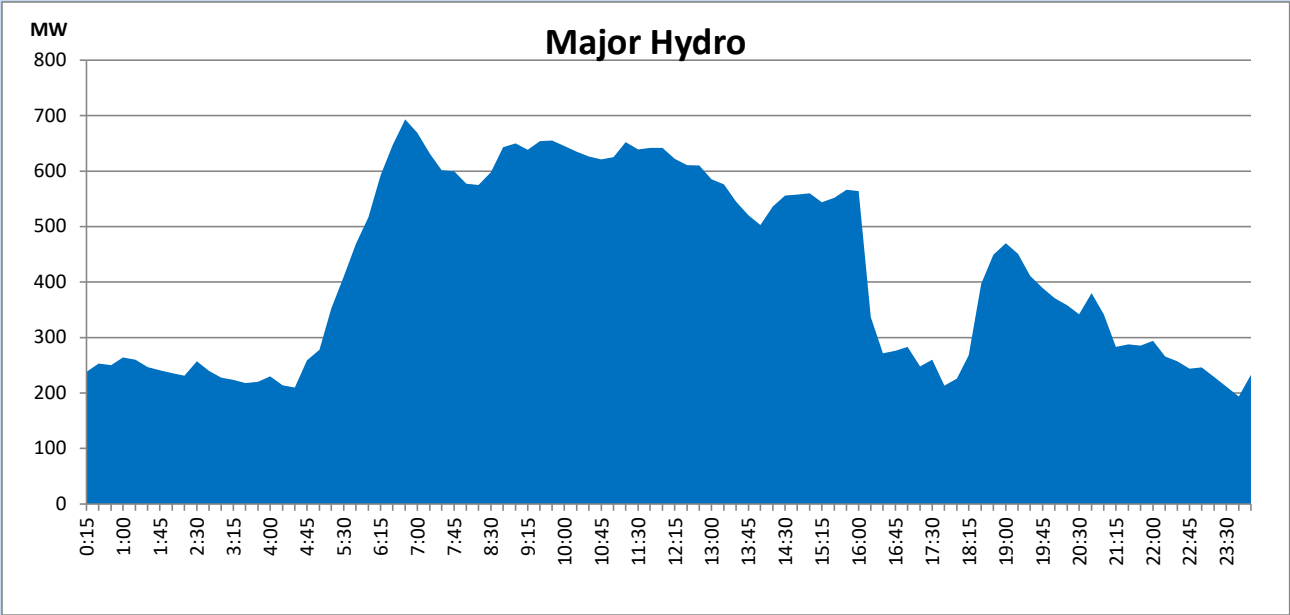
IPP Oil Plant Generation during the Previous day

January 24, 2023



Major Hydro Generation during the Previous day

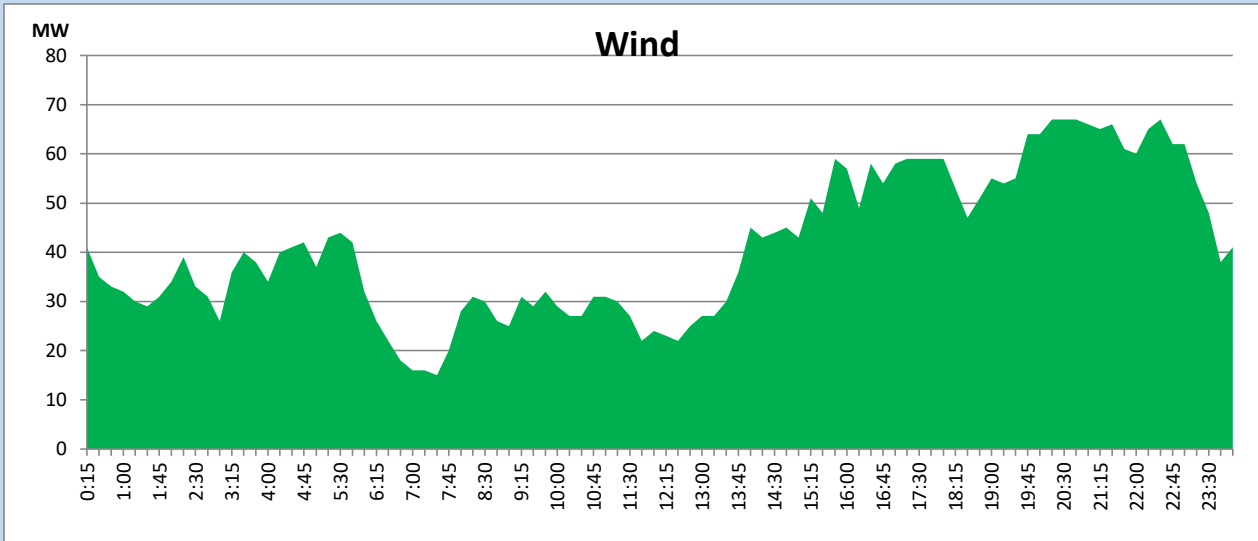
January 24, 2023



## Wind Generation during the Previous day

January 24, 2023

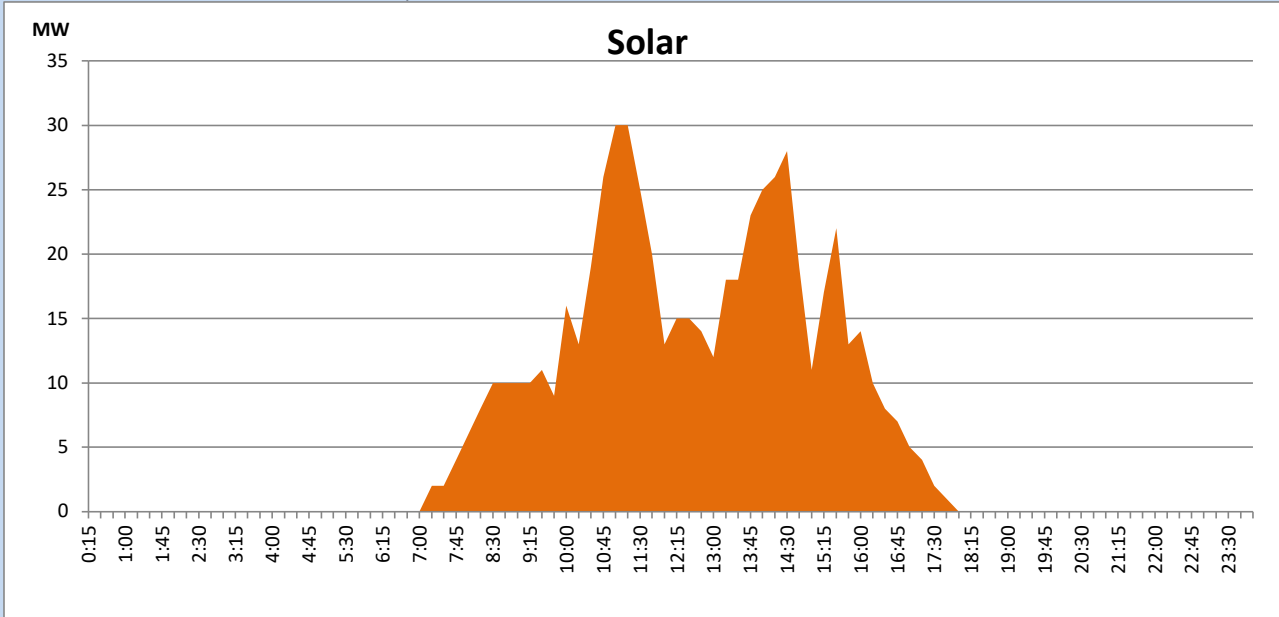
Based on Telemetered Power Stations only



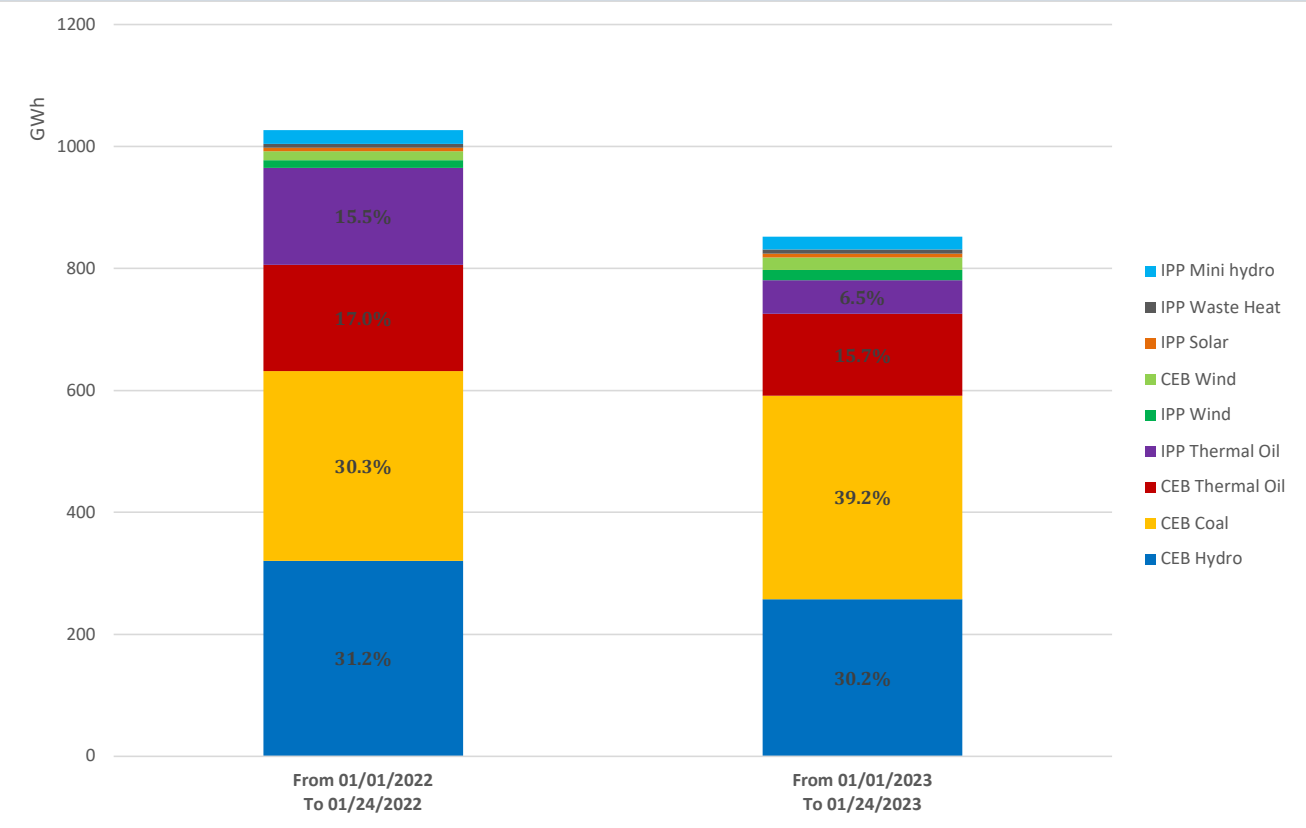
## Solar Generation during the Previous day

January 24, 2023

Based on Telemetered Power Stations only



## Cumulative Dispatch Comparison with Last Year



**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**

January 24, 2023

1) Rotational manual load shedding was carried out from 16:00hrs to 22:00hrs.