

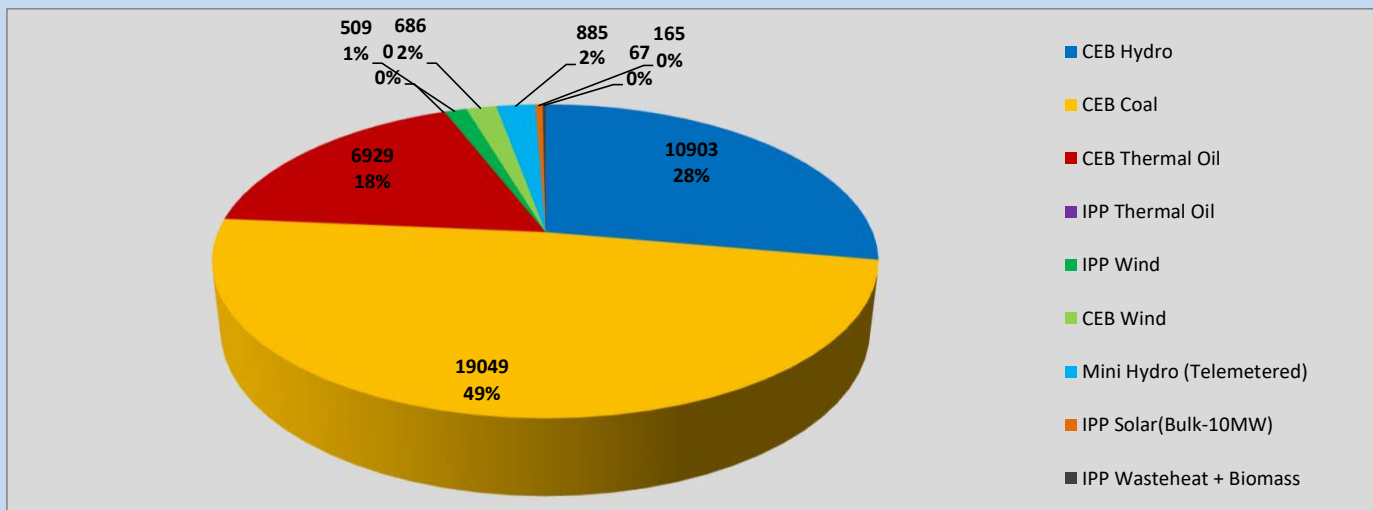
# Generation and Reservoirs Statistics

January 27, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

39,193 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 1.33 GWh

Estimated Mini Hydro (Non telemetered) = 1635 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

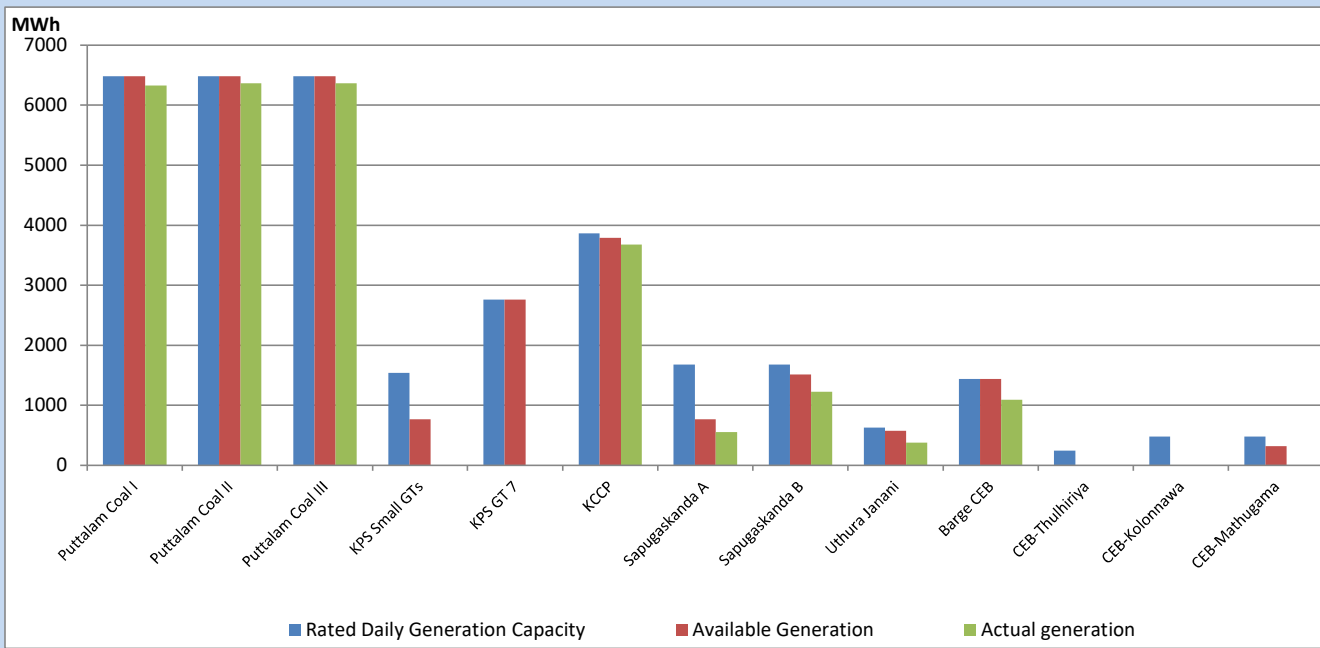
Category	Dispatch (GWh)	Percentage
CEB Hydro	286	29.58%
CEB Coal	391	40.41%
CEB Thermal Oil	155	16.07%
IPP Thermal	56	5.77%
SPP Wind	18	1.89%
CEB Wind	22	2.29%
Mini Hydro (Telemetered)	24	2.51%
IPP Solar (Bulk-10MW)	7	0.76%
IPP Wasteheat + BMP	7	0.72%
<b>Total</b>	<b>967</b>	

### For Current Year

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## CEB owned Thermal Plant Dispatch

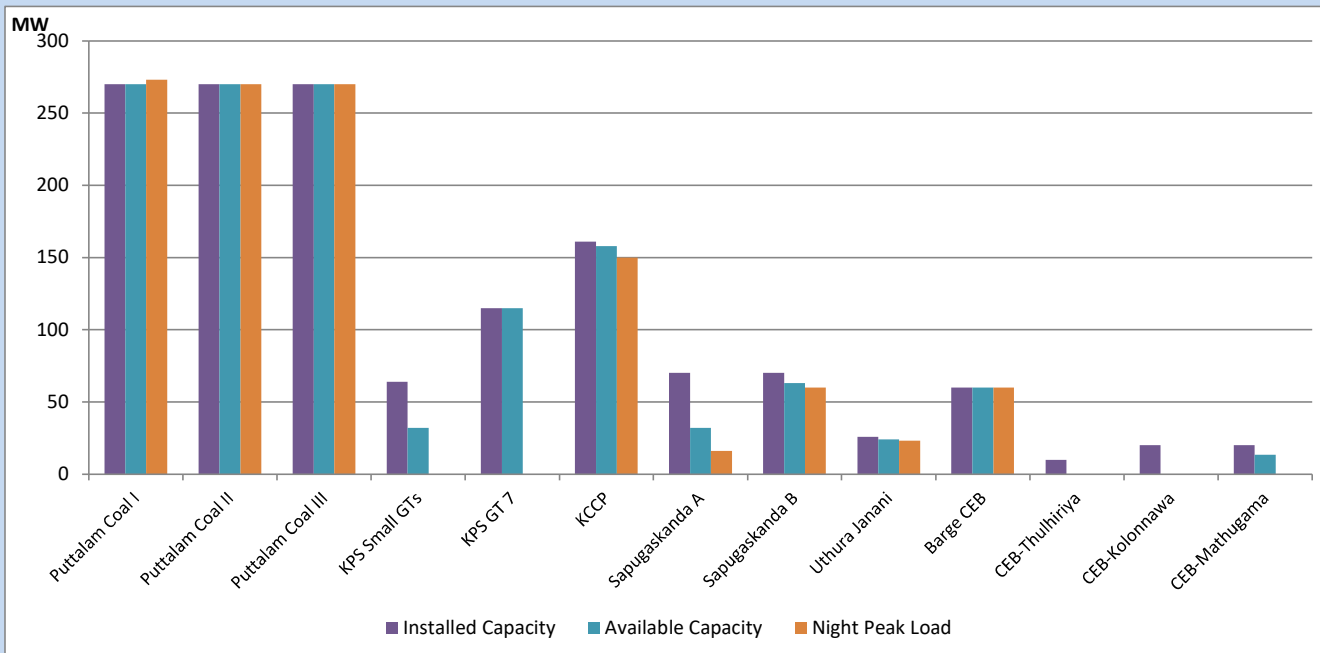
January 27, 2023



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

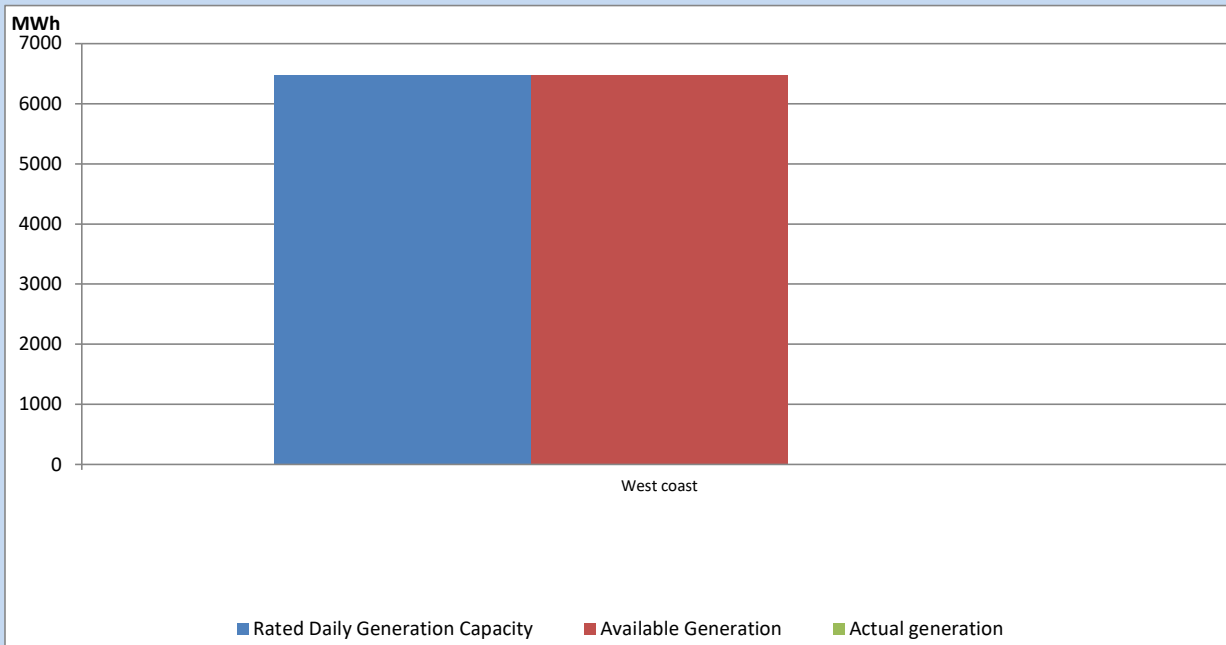
January 28, 2023

## CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

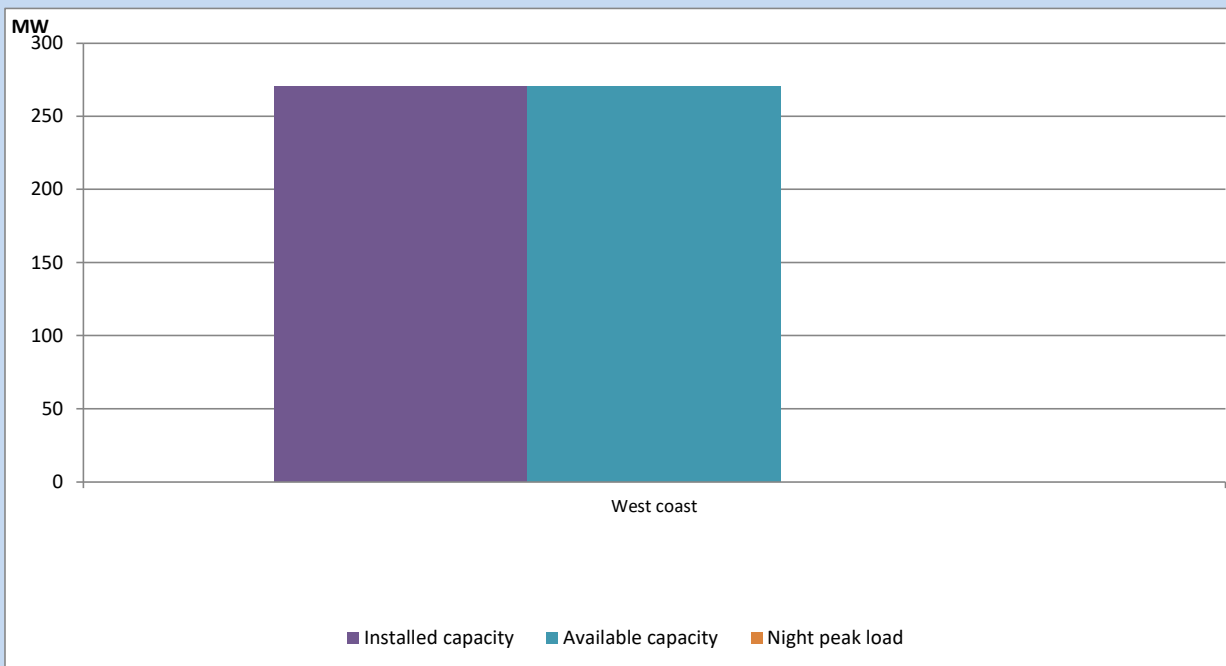
January 28, 2023



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

January 28, 2023

IPP owned Thermal Plant Loading at the Night Peak

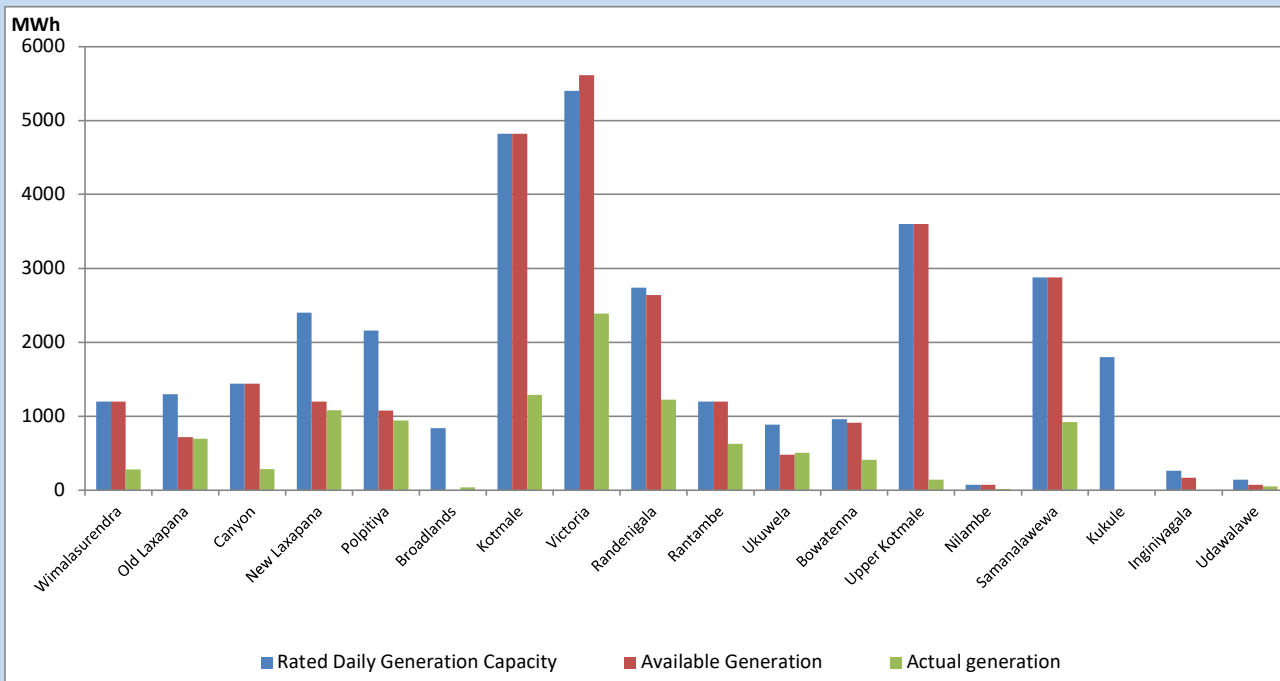


Note- Plant availability is recorded at 6.00 am on

January 28, 2023

## Major Hydro Plant Dispatch

January 27, 2023

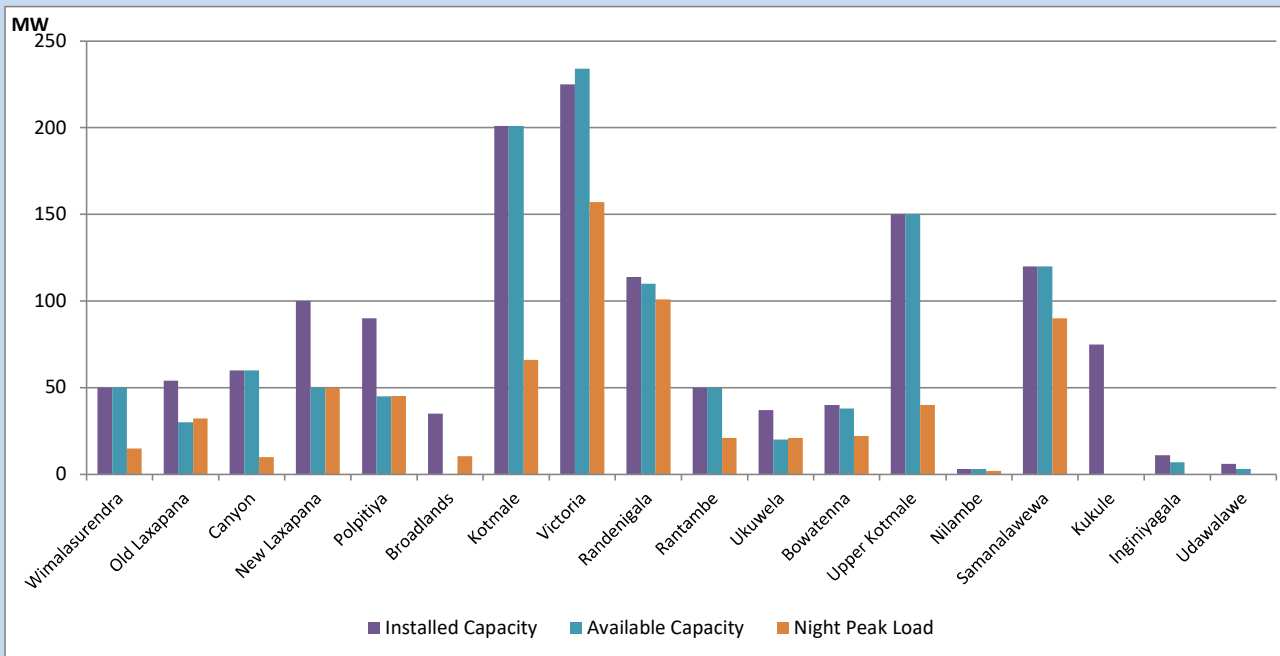


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 28, 2023

## Major Hydro Plant Loading at Night Peak

January 27, 2023



Note- Plant availability is recorded at 6.00 am on

January 28, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

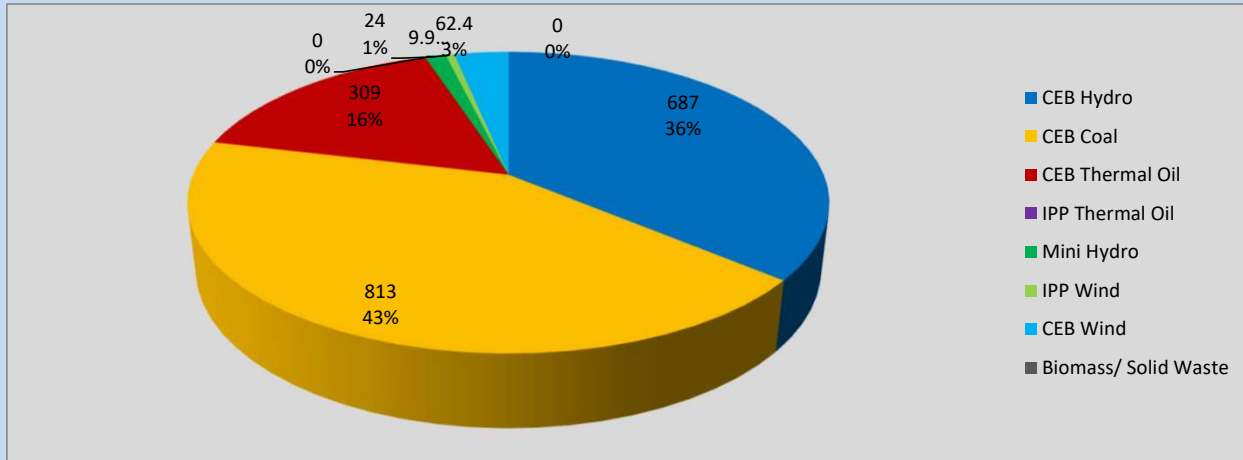
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	15	283
Old Laxapana	54	30	32	695
Canyon	60	60	10	286
New Laxapana	100	50	50	1,084
Polpitiya	90	45	45	944
Broadlands	35	0	11	41
Kotmale	201	201	66	1,290
Victoria	225	234	157	2,389
Randenigala	114	110	101	1,225
Rantambe	50	50	21	626
Ukuwela	37	20	21	503
Bowatenna	40	38	22	410
Upper Kotmale	150	150	40	143
Nilambe	3	3	2	14
Samanalawewa	120	120	90	918
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	52
Puttalam Coal I	270	270	273	6,326
Puttalam Coal II	270	270	270	6,363
Puttalam Coal III	270	270	270	6,360
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	150	3,679
Sapugaskanda A	70	32	16	553
Sapugaskanda B	70	63	60	1,227
Uthura Janani	26	24	23	379
Barge CEB	60	60	60	1,091
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
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,748</b>	<b>1,901</b>	<b>39,193</b>

Plant availability is the availability recorded at 6 am on

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## Contribution to the Night Peak in MW

January 27, 2023

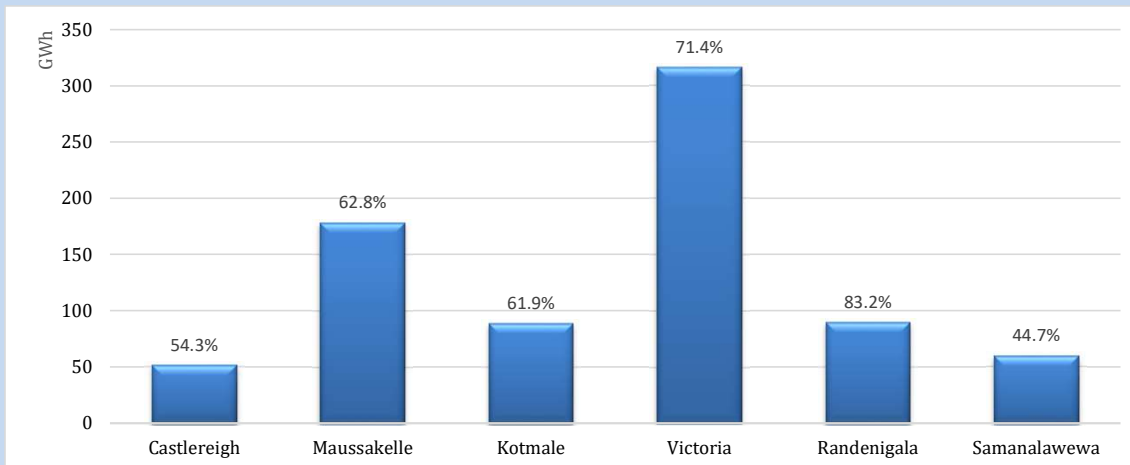


Night Peak*	1,905.2 MW
Day Peak	1,916.5 MW
Minimum Demand	1,155.2 MW

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

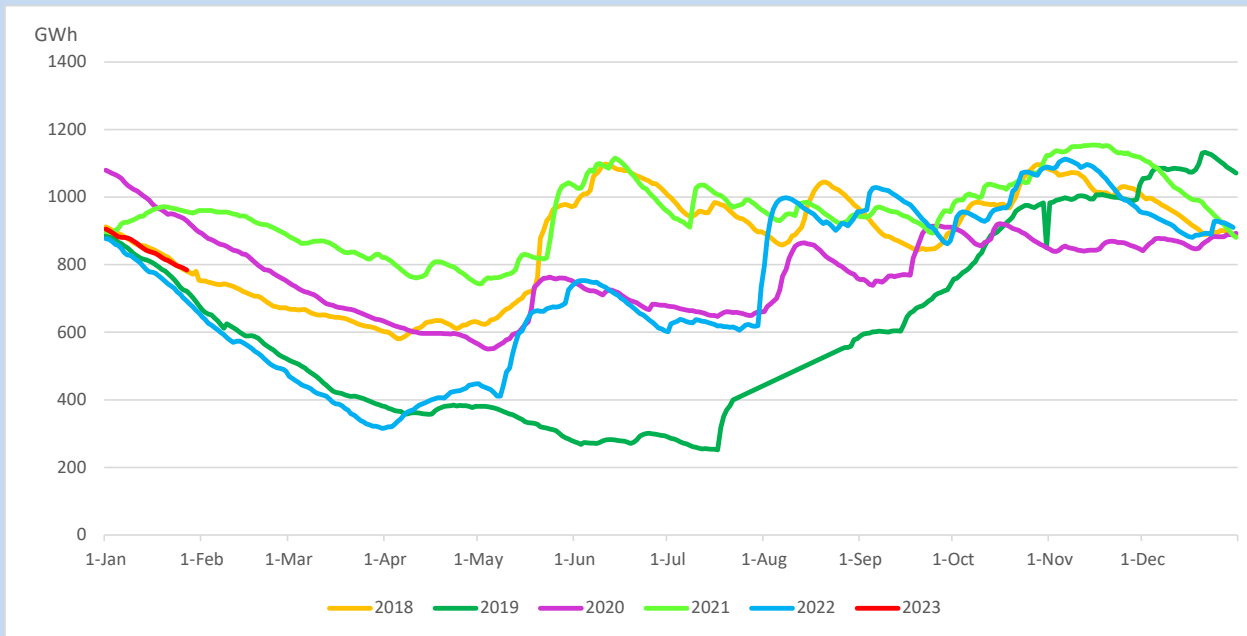
## Reservoir Levels -

as at 06.00 Hr on January 28, 2023

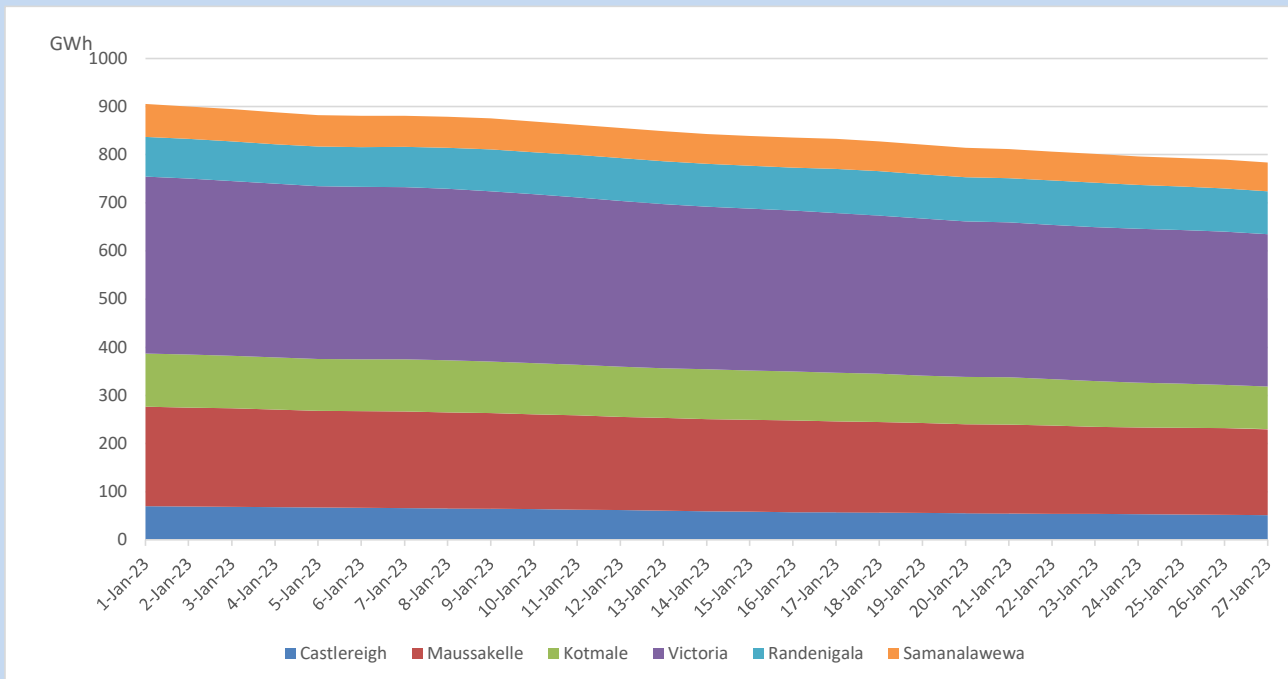


Total Reservoir Level	783.7 GWh
% of Total capacity	65.0%

## Comparison of Total Reservoir Storage Levels with Past Years

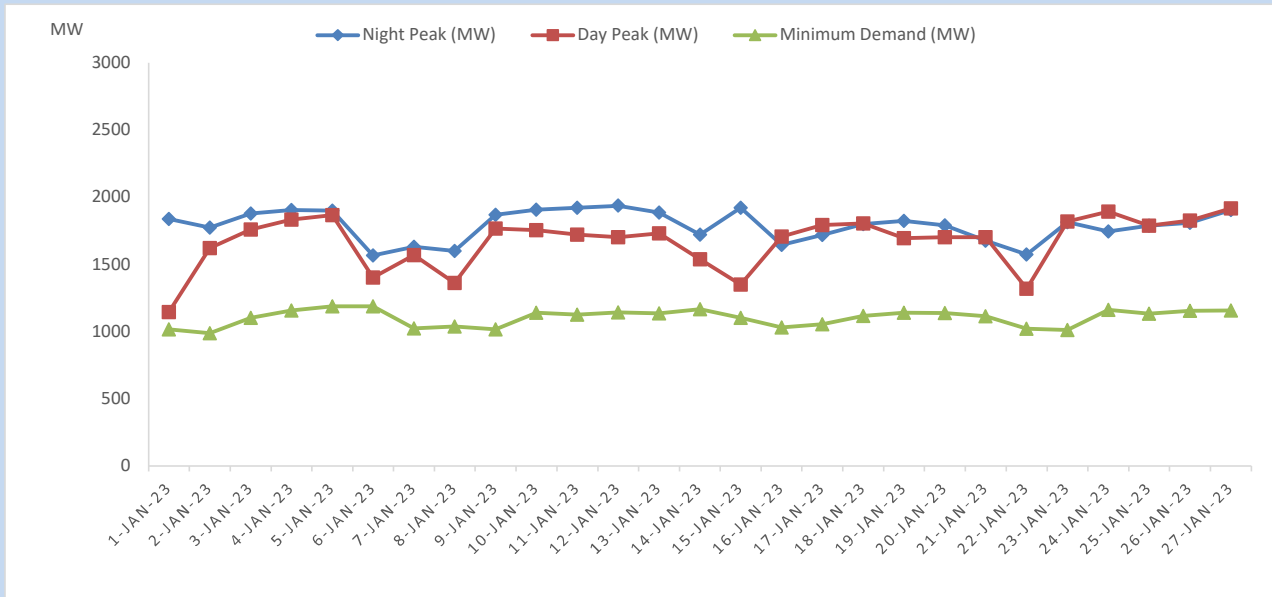


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

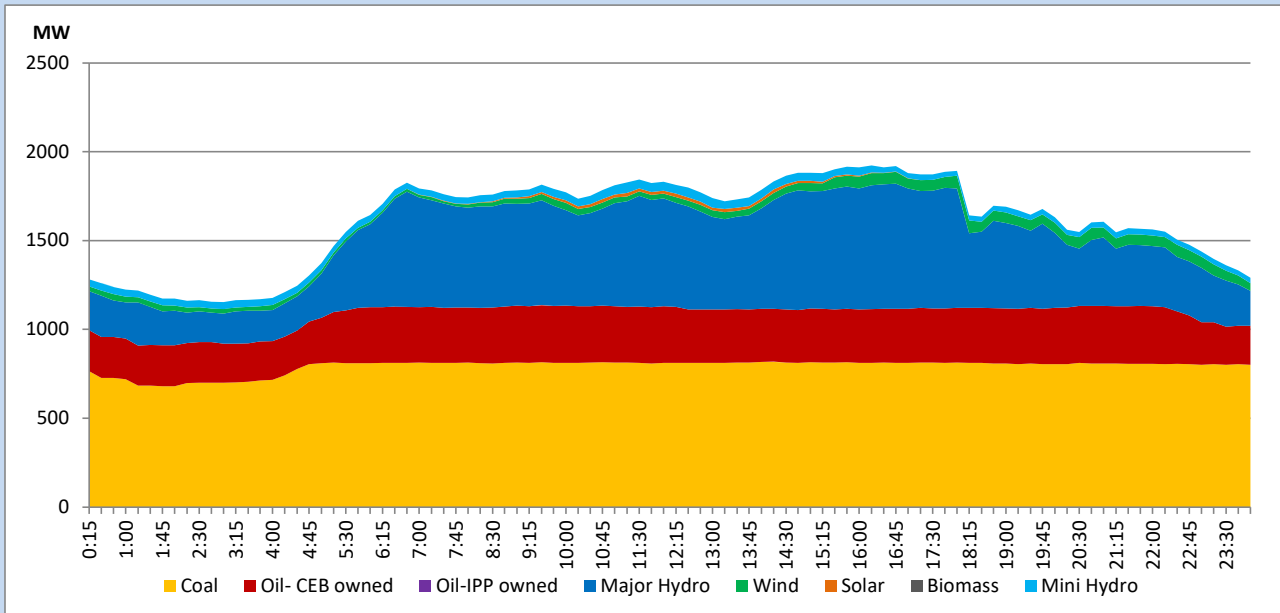


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

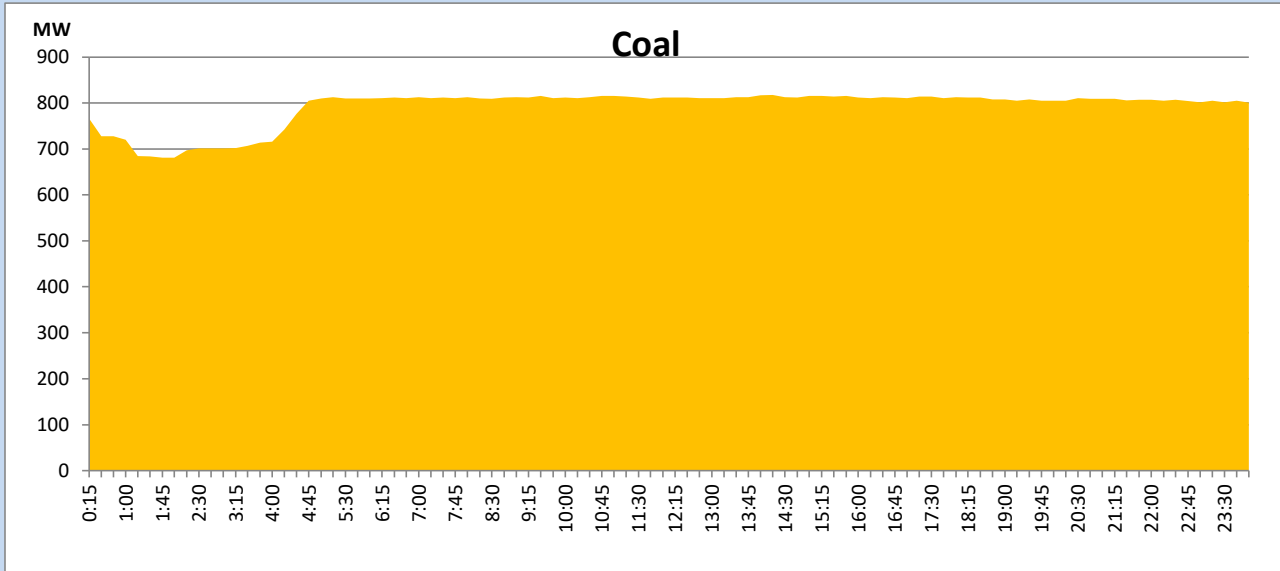
January 27, 2023

Solar and wind data is based on Telemetered Power Stations only



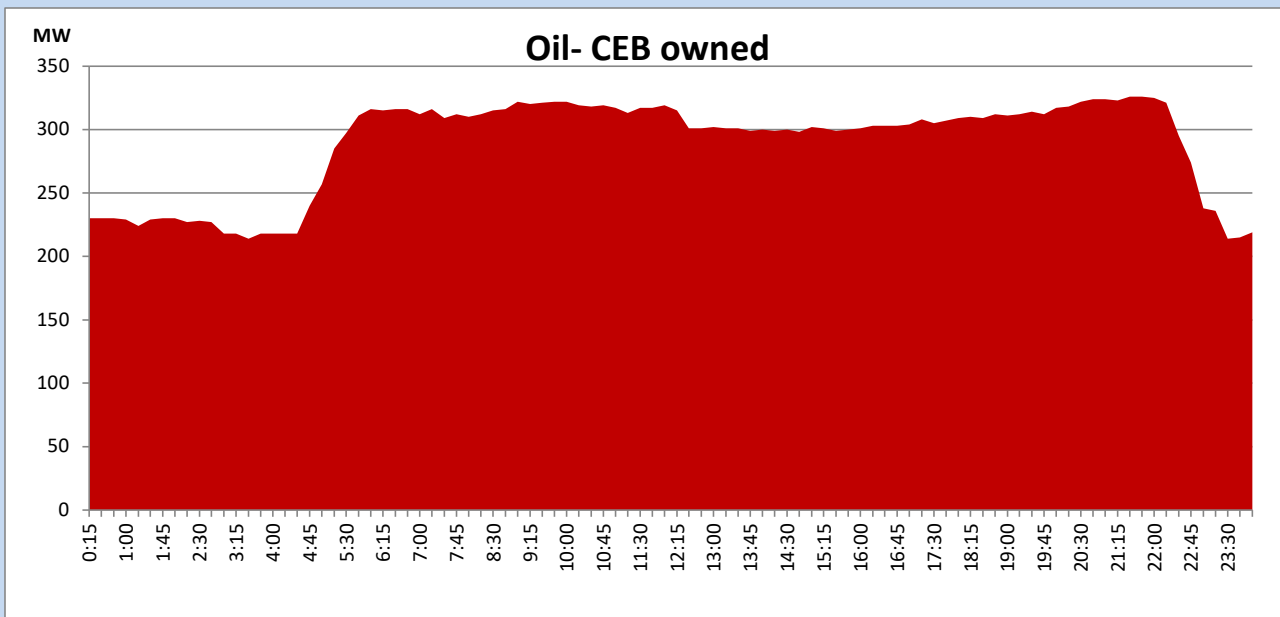
## Coal Generation during the Previous day

January 27, 2023



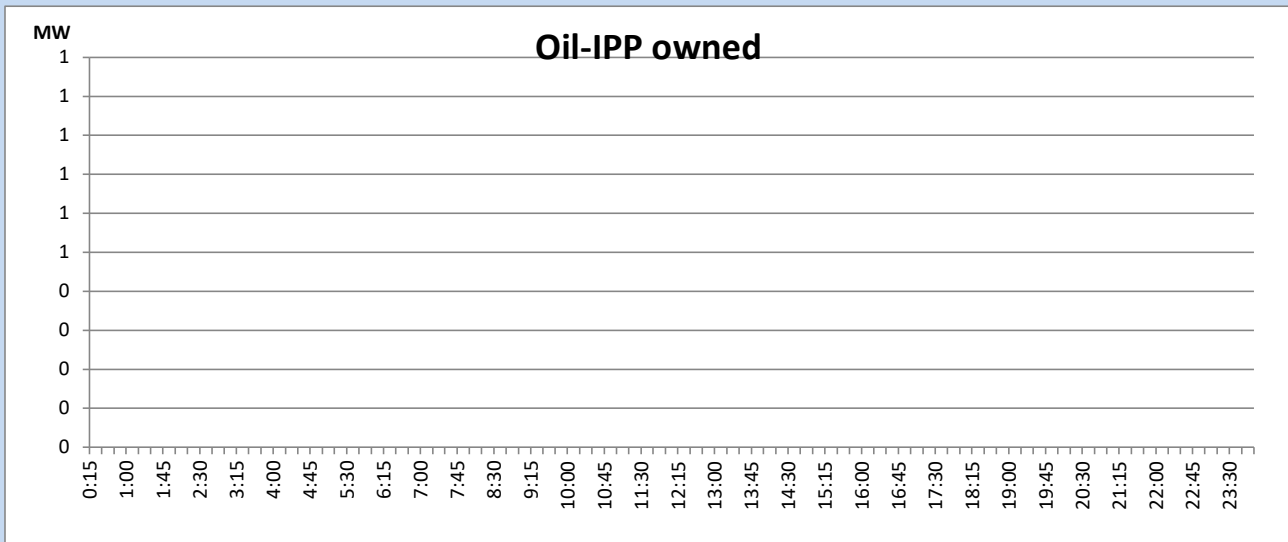
## CEB Oil Plant Generation during the Previous day

January 27, 2023



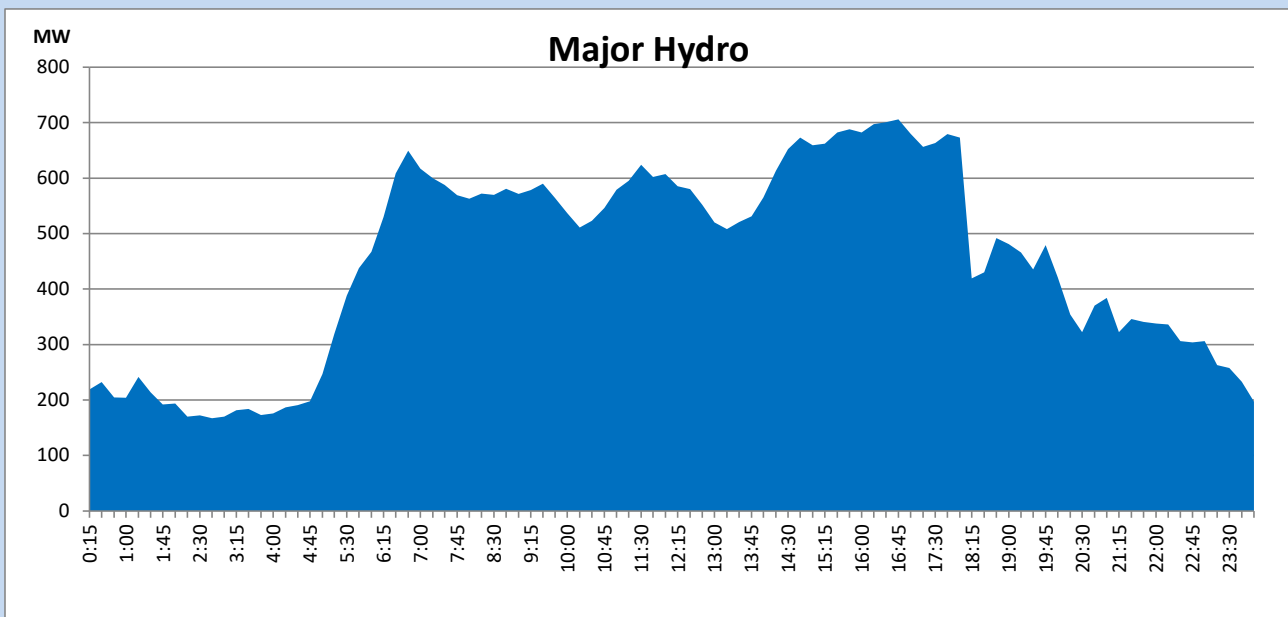
## IPP Oil Plant Generation during the Previous day

January 27, 2023



## Major Hydro Generation during the Previous day

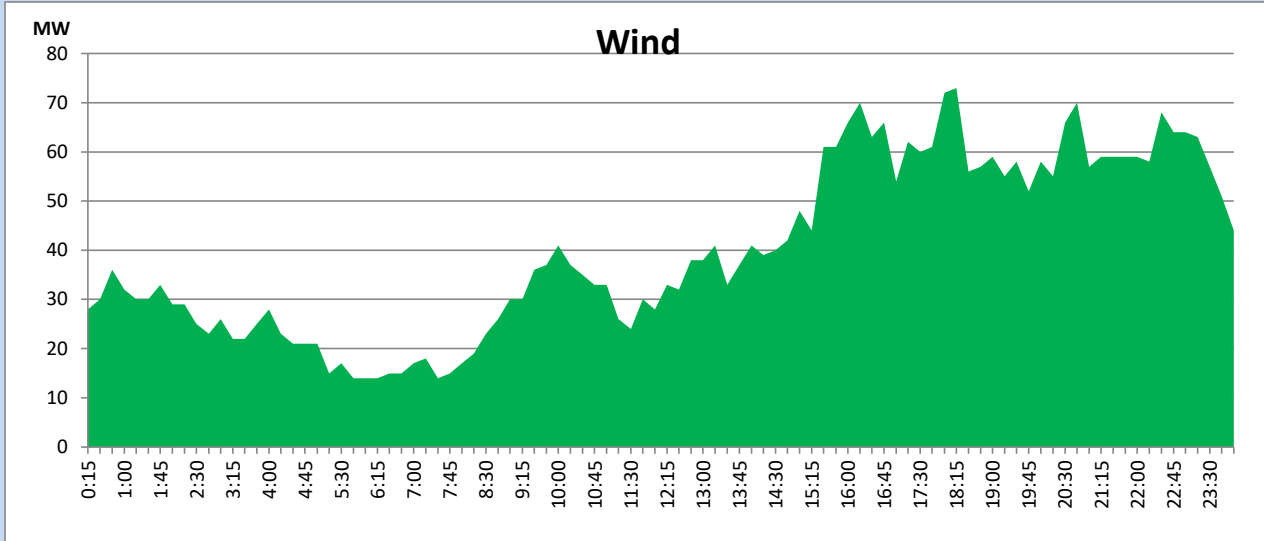
January 27, 2023



## Wind Generation during the Previous day

January 27, 2023

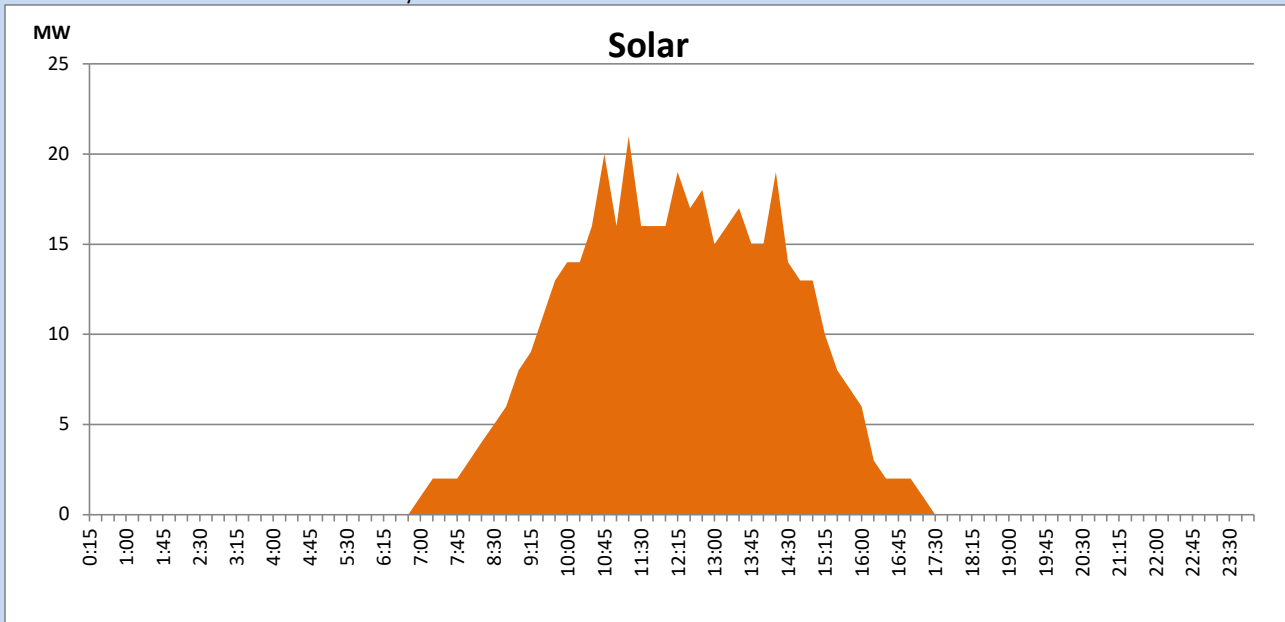
Based on Telemetered Power Stations only



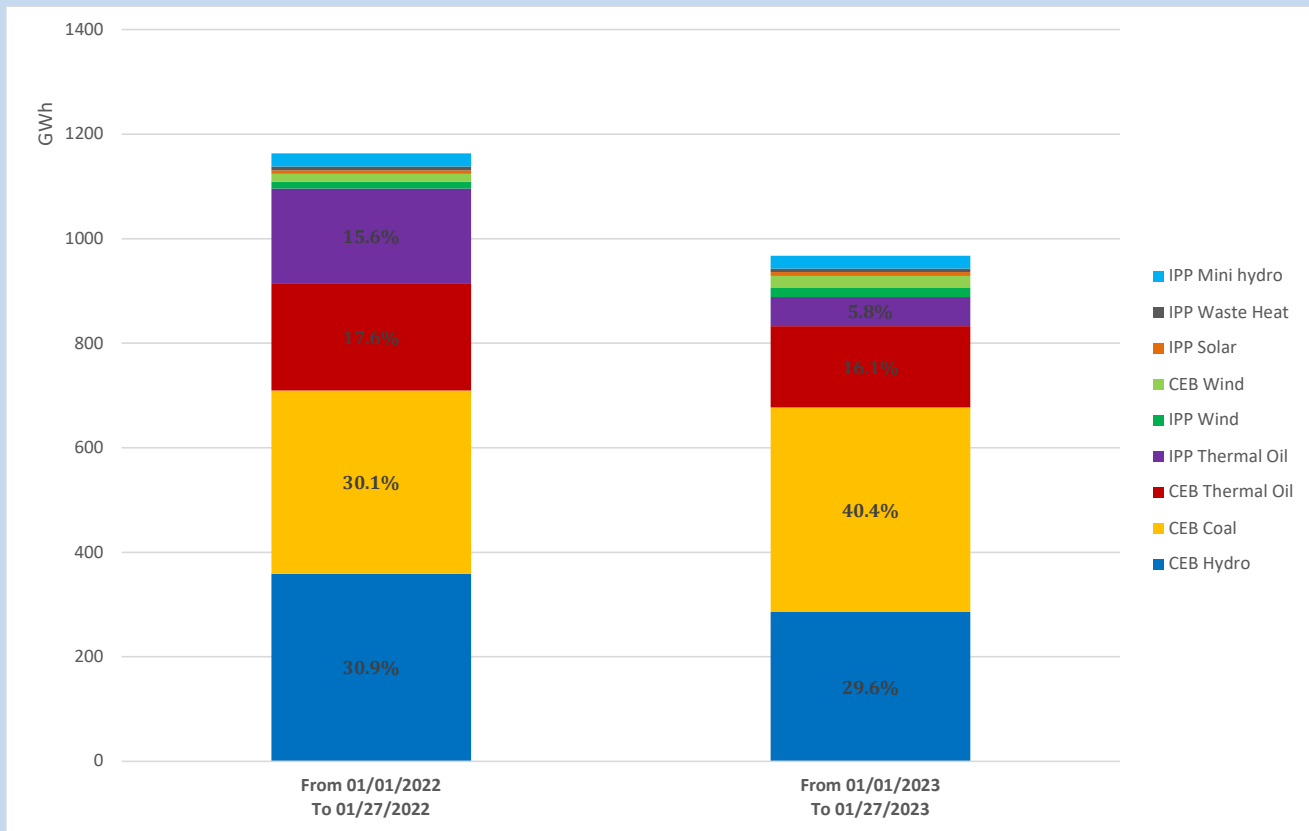
## Solar Generation during the Previous day

January 27, 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 27, 2023

- 1) Rotational manual load shedding was carried out from 18:00hrs to 22:00hrs.