

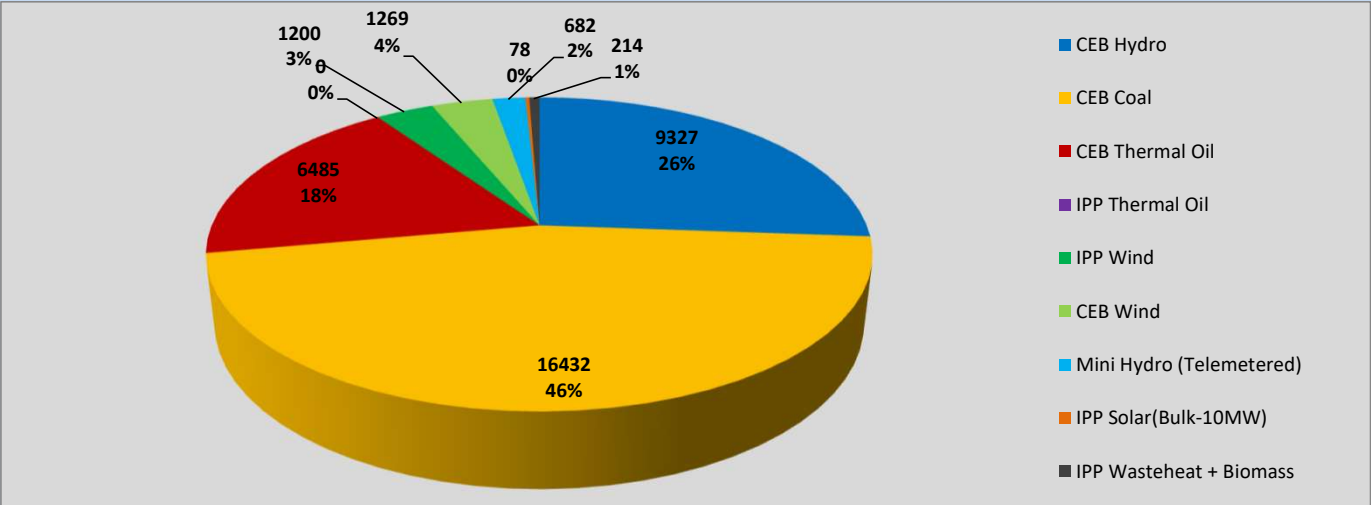
# Generation and Reservoirs Statistics

January 21, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 35,687 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 2.09 GWh  
Estimated Mini Hydro (Non telemetered) = 1838 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

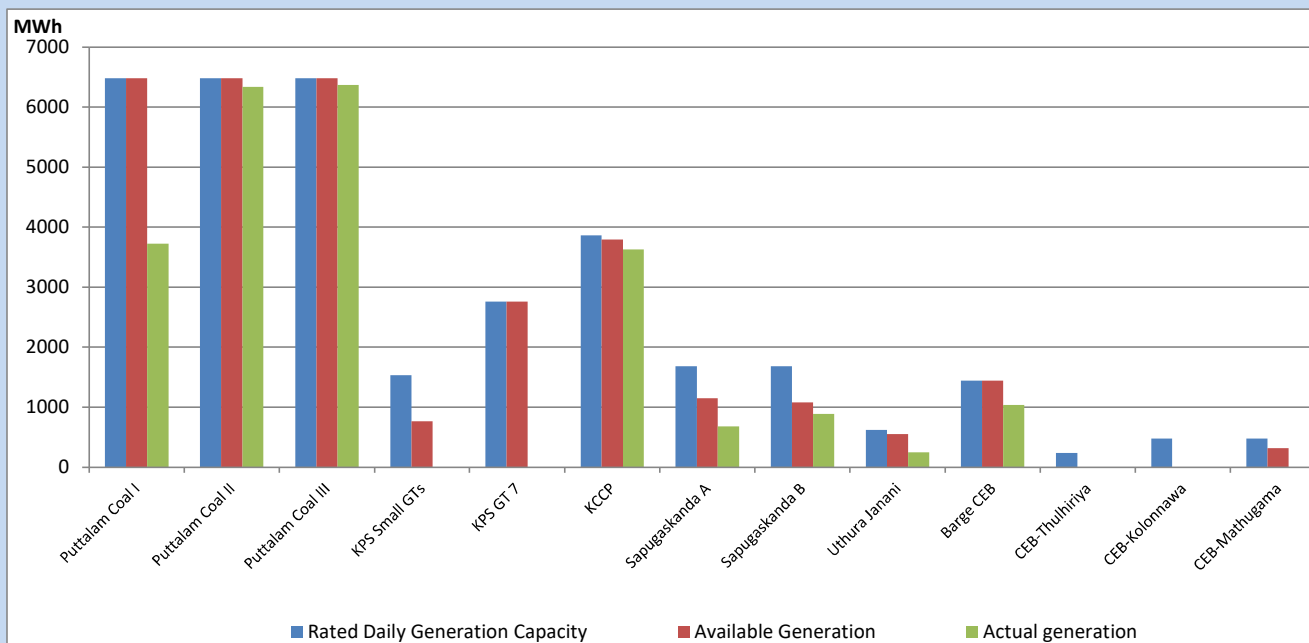
Category	Dispatch (GWh)	
CEB Hydro	227	30.41%
CEB Coal	277	37.09%
CEB Thermal Oil	123	16.45%
IPP Thermal	56	7.48%
SPP Wind	15	1.96%
CEB Wind	18	2.47%
Mini Hydro (Telemetered)	19	2.51%
IPP Solar(Bulk-10MW)	6	0.80%
IPP Wasteheat + BMP	6	0.82%
Total	746	

For Current Year

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## CEB owned Thermal Plant Dispatch

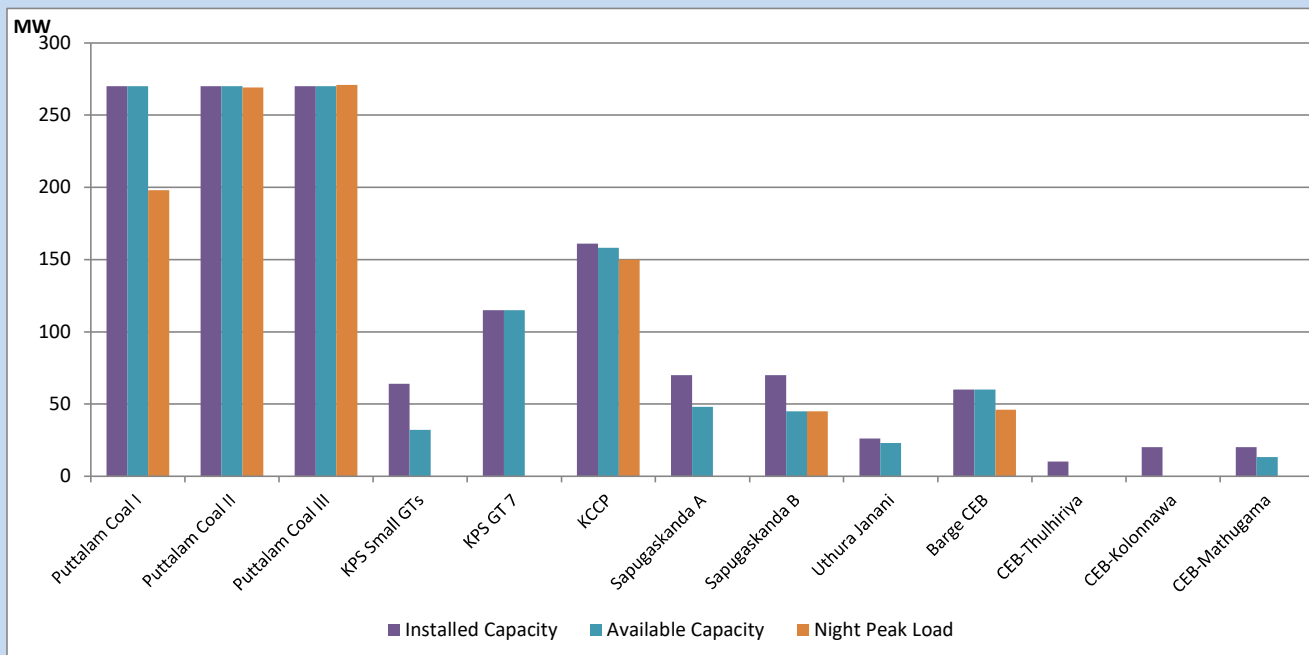
January 21, 2023



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

January 22, 2023

## CEB owned Thermal Plant Loading at the Night Peak

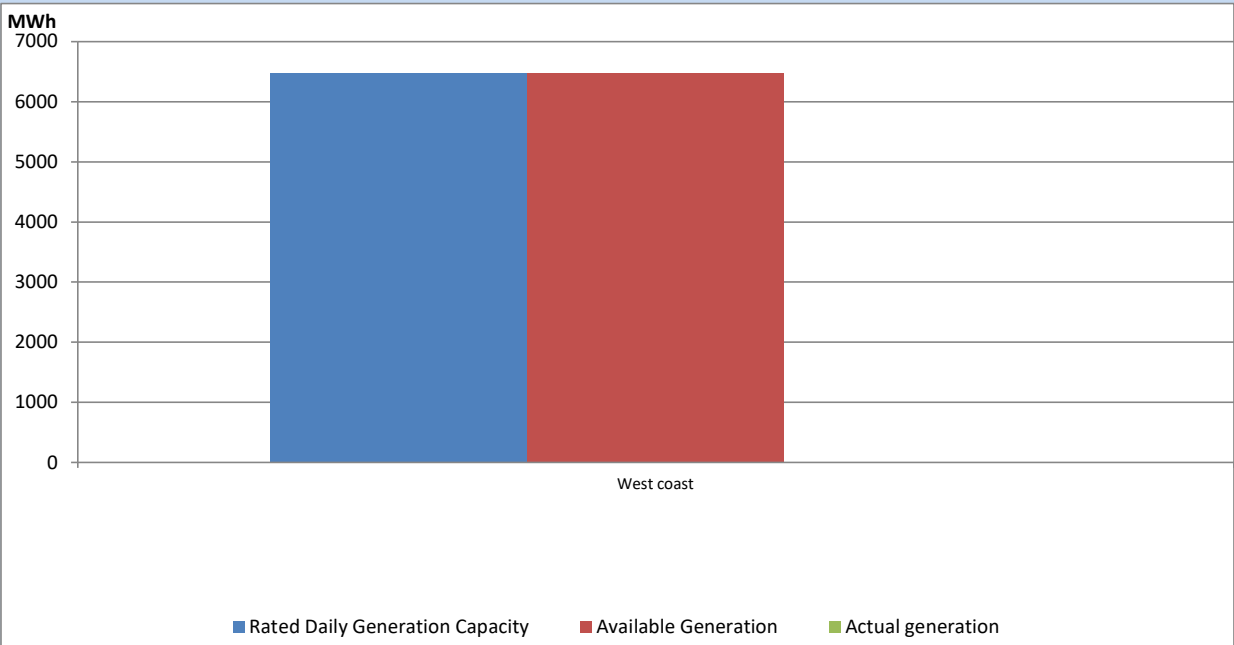


Note- Plant availability is recorded at 6.00 am on

January 22, 2023

IPP owned Thermal Plant Dispatch

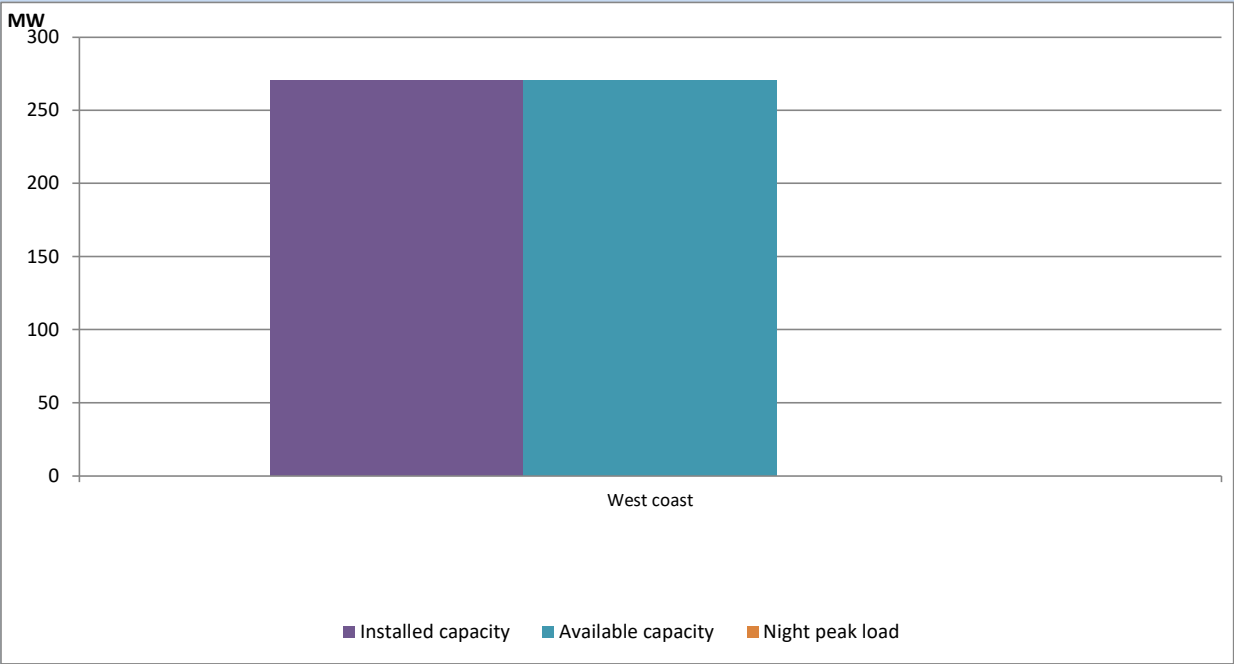
January 21, 2023



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

January 22, 2023

IPP owned Thermal Plant Loading at the Night Peak

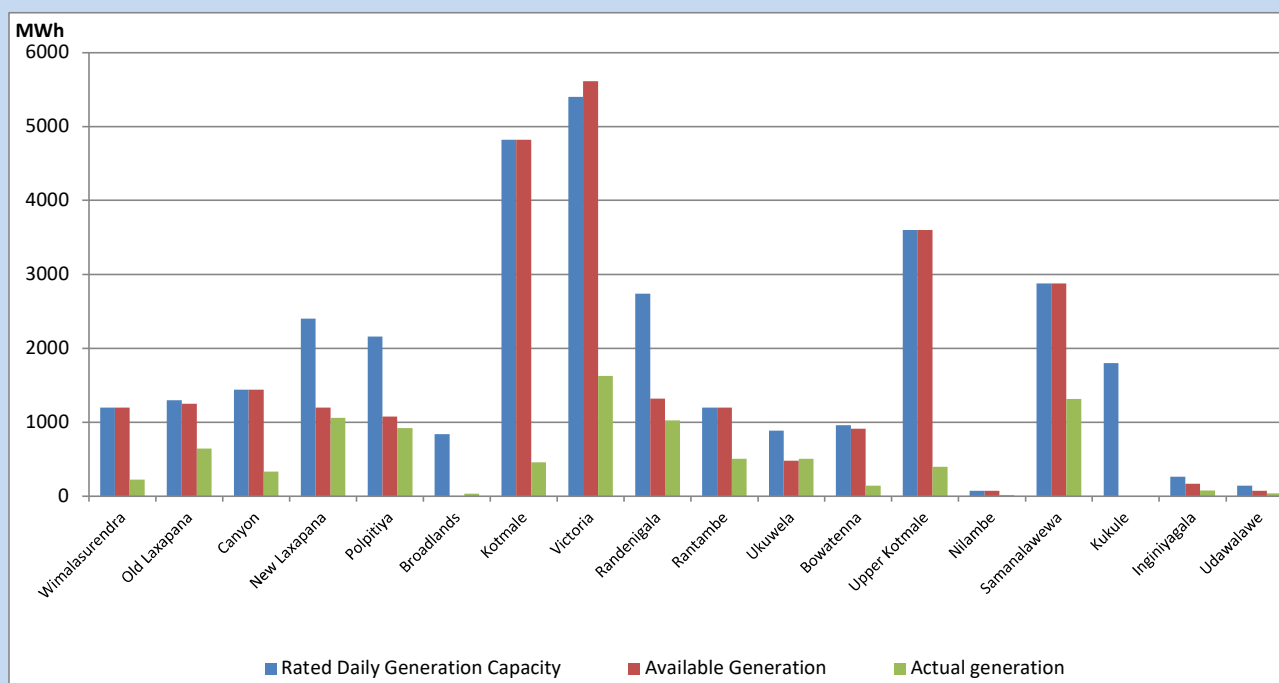


Note- Plant avilability is recorded at 6.00 am on

January 22, 2023

## Major Hydro Plant Dispatch

January 21, 2023

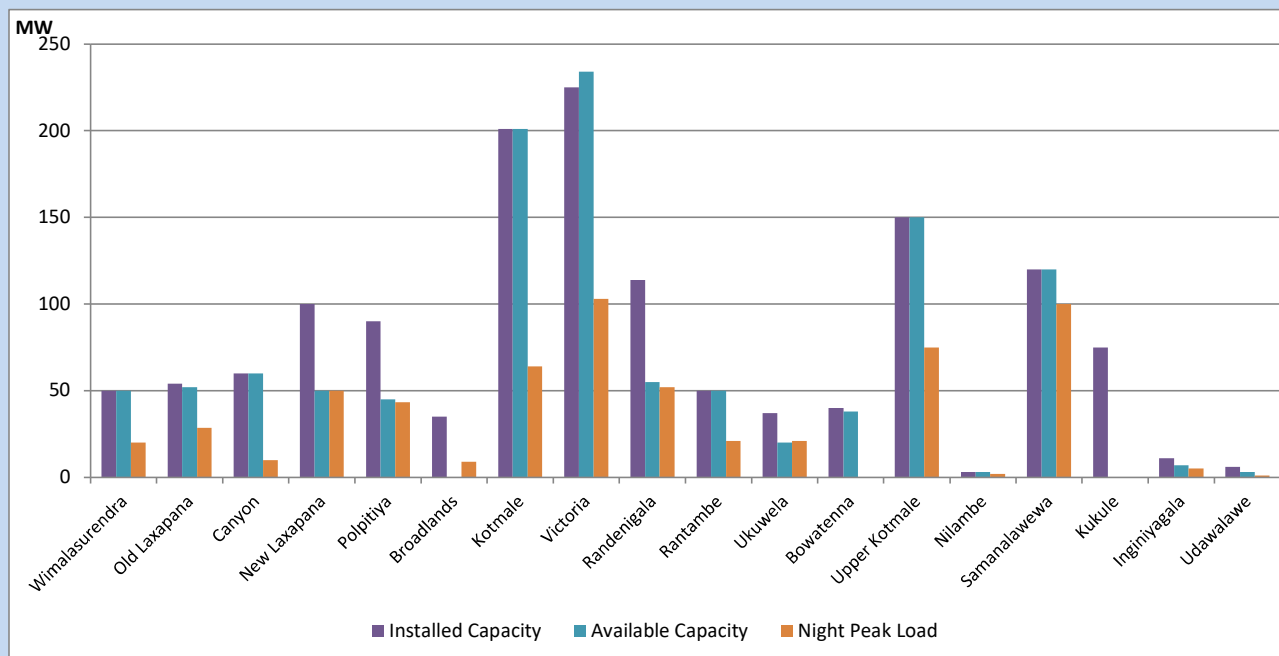


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 22, 2023

## Major Hydro Plant Loading at Night Peak

January 21, 2023



Note- Plant availability is recorded at 6.00 am on

January 22, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

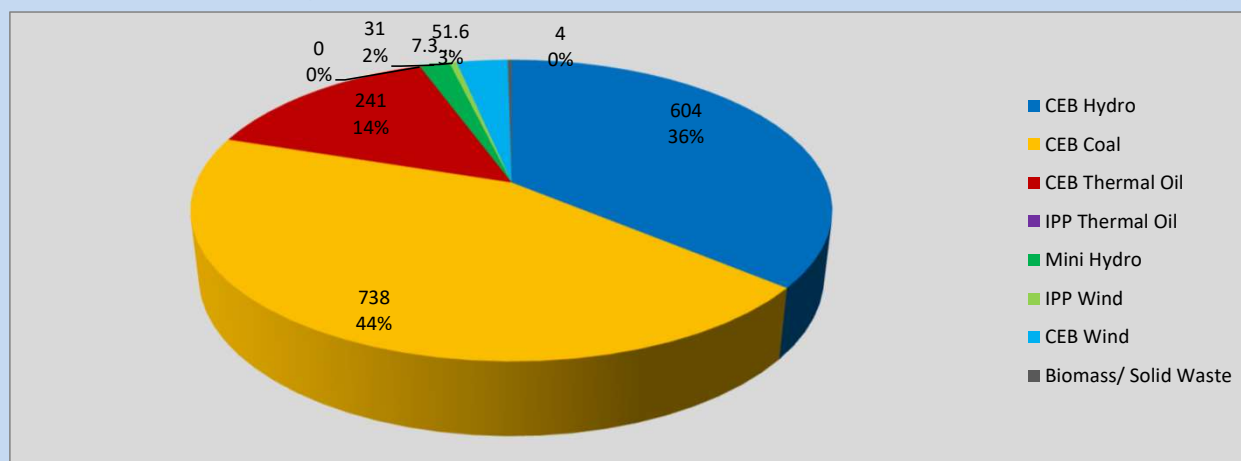
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	20	224
Old Laxapana	54	52	29	647
Canyon	60	60	10	336
New Laxapana	100	50	50	1,058
Polpitiya	90	45	43	921
Broadlands	35	0	9	32
Kotmale	201	201	64	460
Victoria	225	234	103	1,626
Randenigala	114	55	52	1,026
Rantambe	50	50	21	509
Ukuwela	37	20	21	504
Bowatenna	40	38	0	141
Upper Kotmale	150	150	75	395
Nilambe	3	3	2	17
Samanalawewa	120	120	100	1,313
Kukule	75	0	0	0
Inginiyagala	11	7	5	77
Udawalawe	6	3	1	41
Puttalam Coal I	270	270	198	3,724
Puttalam Coal II	270	270	269	6,340
Puttalam Coal III	270	270	271	6,368
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	150	3,631
Sapugaskanda A	70	48	0	685
Sapugaskanda B	70	45	45	887
Uthura Janani	26	23	0	246
Barge CEB	60	60	46	1,036
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	2,712	1,677	35,687

Plant availability is the availability recorded at 6 am on

January 22, 2023

## Contribution to the Night Peak in MW

January 21, 2023

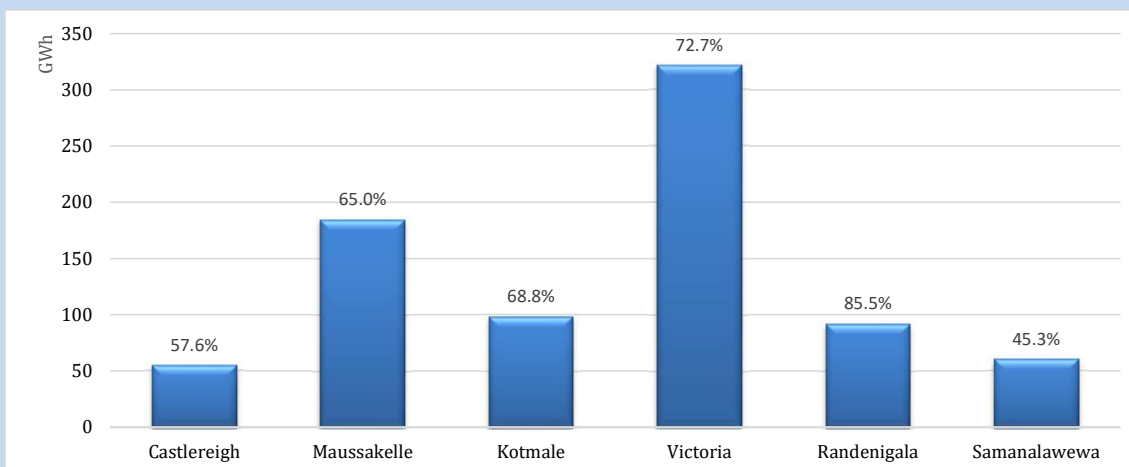


Night Peak*	1,676.3 MW
Day Peak	1,701.2 MW
Minimum Demand	1,114.8 MW

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

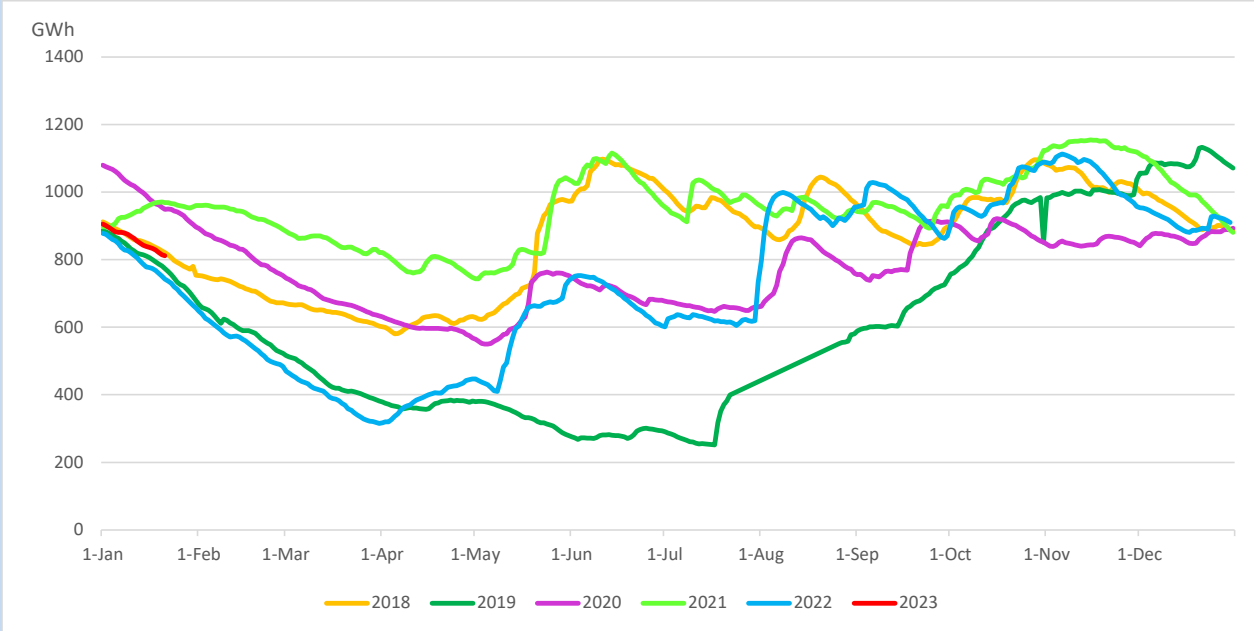
## Reservoir Levels -

as at 06.00 Hr on January 22, 2023

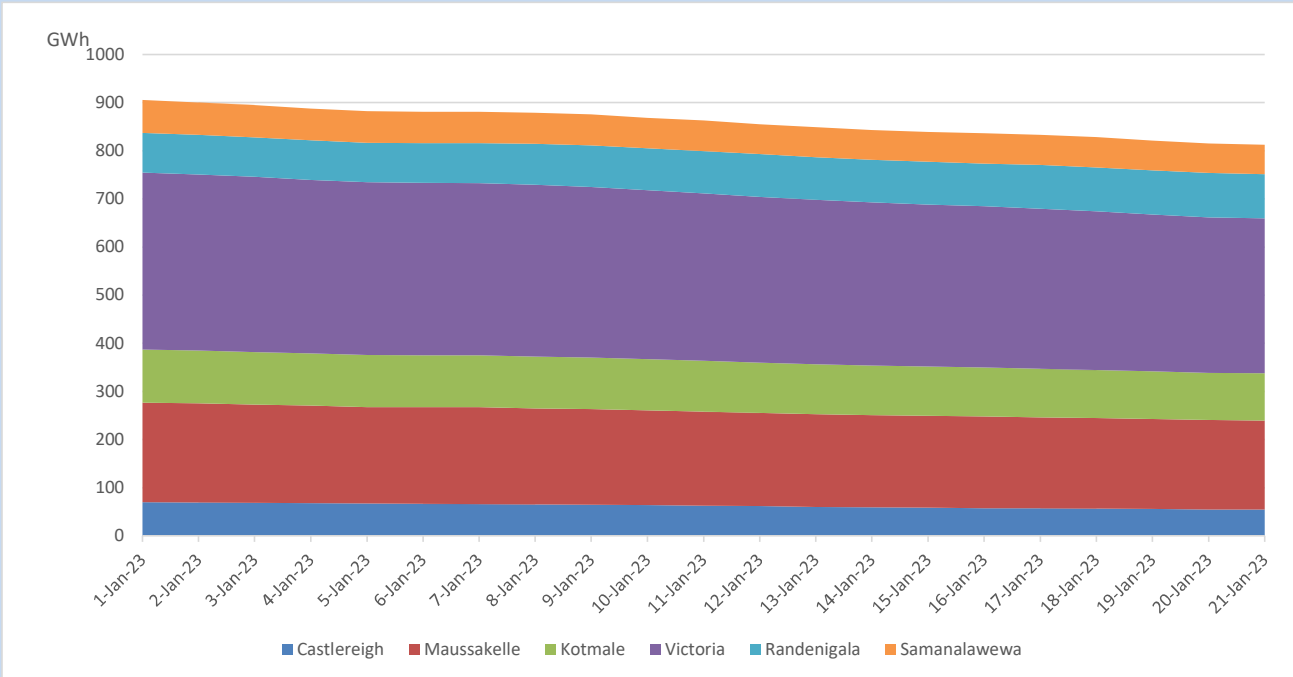


Total Reservoir Level	811.8 GWh
% of Total capacity	67.3%

Comparison of Total Reservoir Storage Levels with Past Years

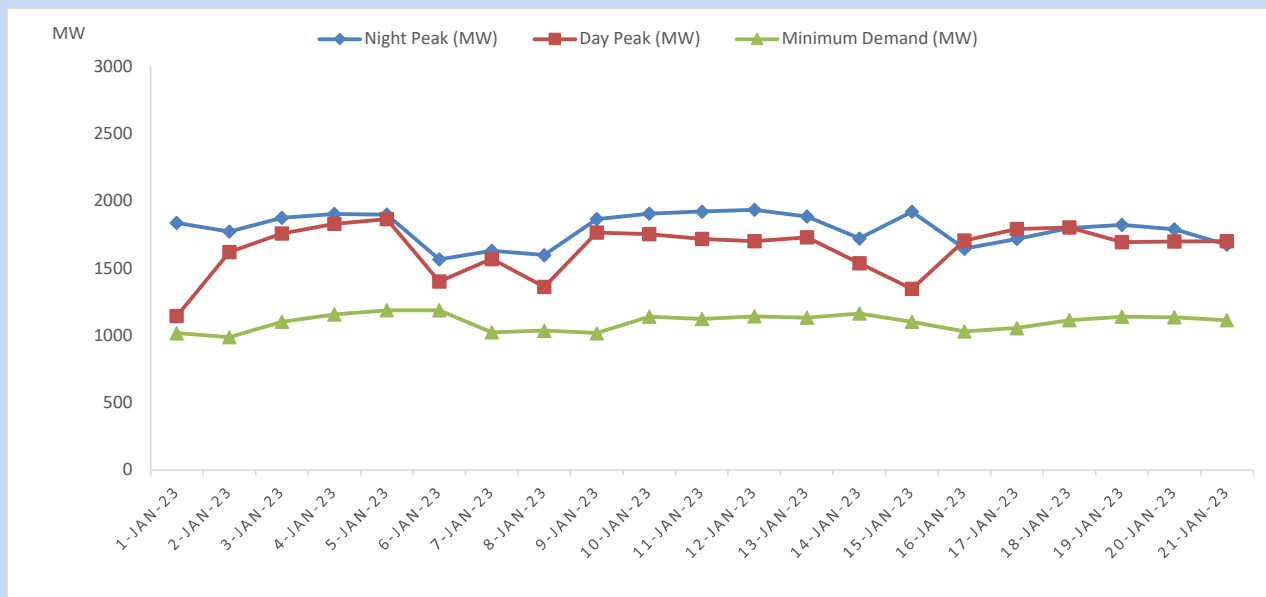


Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

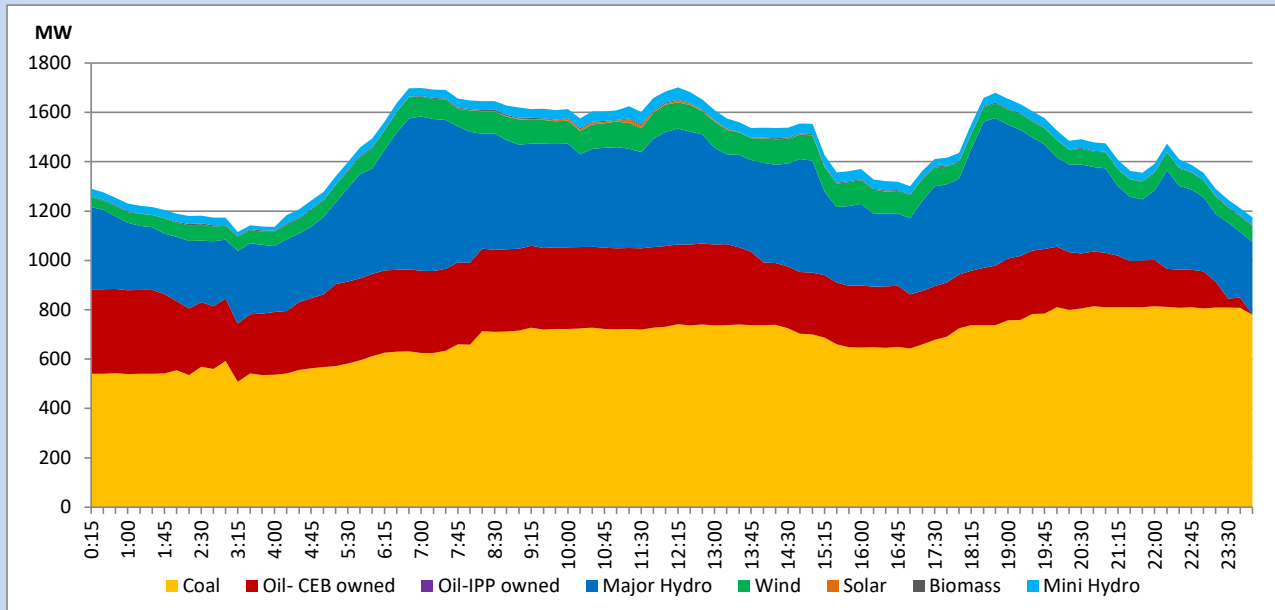


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

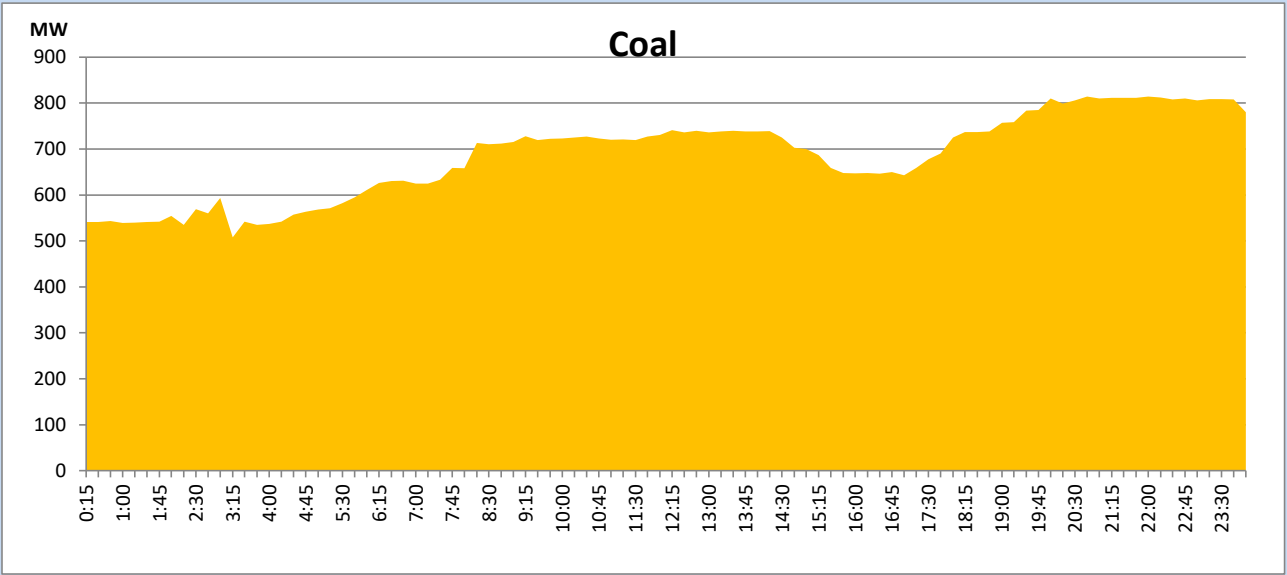
January 21, 2023

Solar and wind data is based on Telemetered Power Stations only



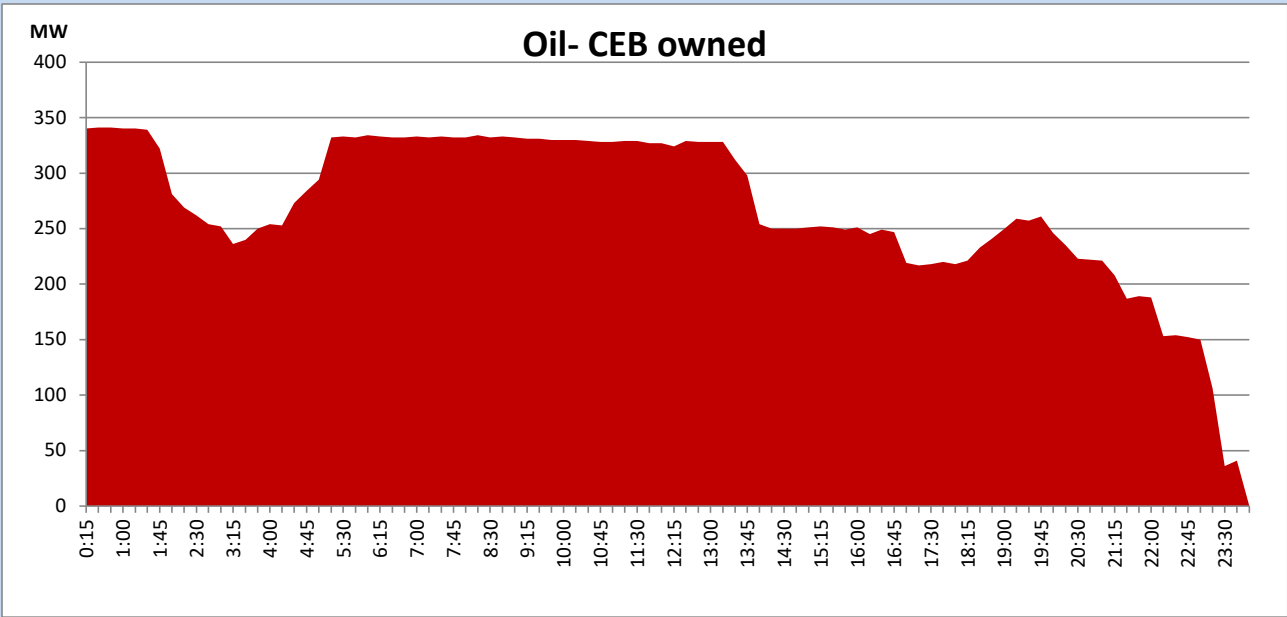
Coal Generation during the Previous day

January 21, 2023



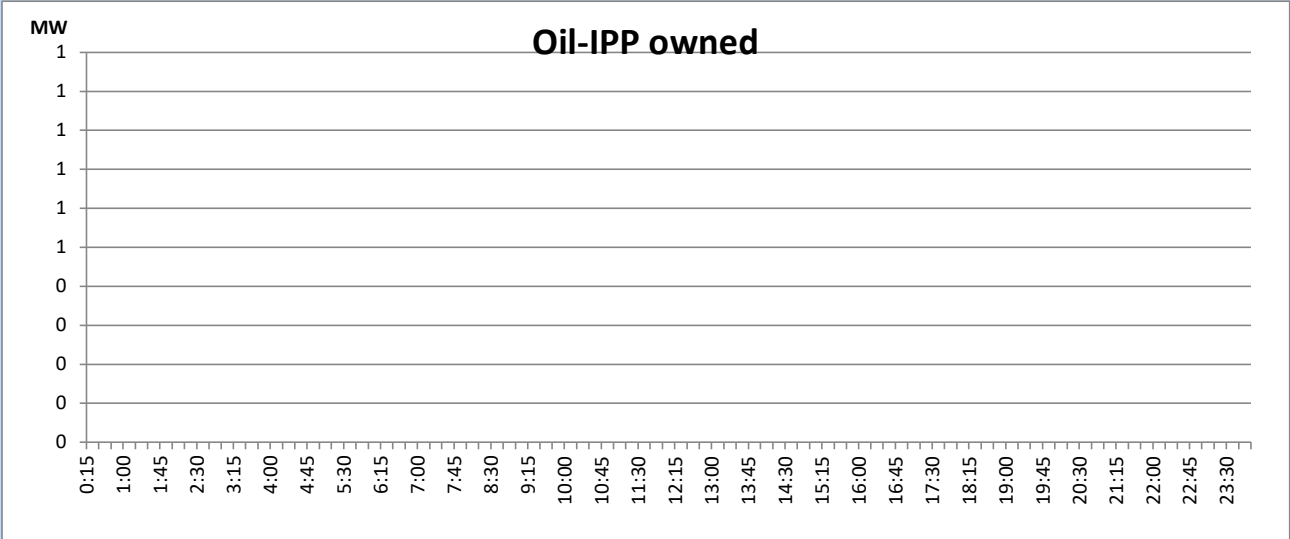
CEB Oil Plant Generation during the Previous day

January 21, 2023



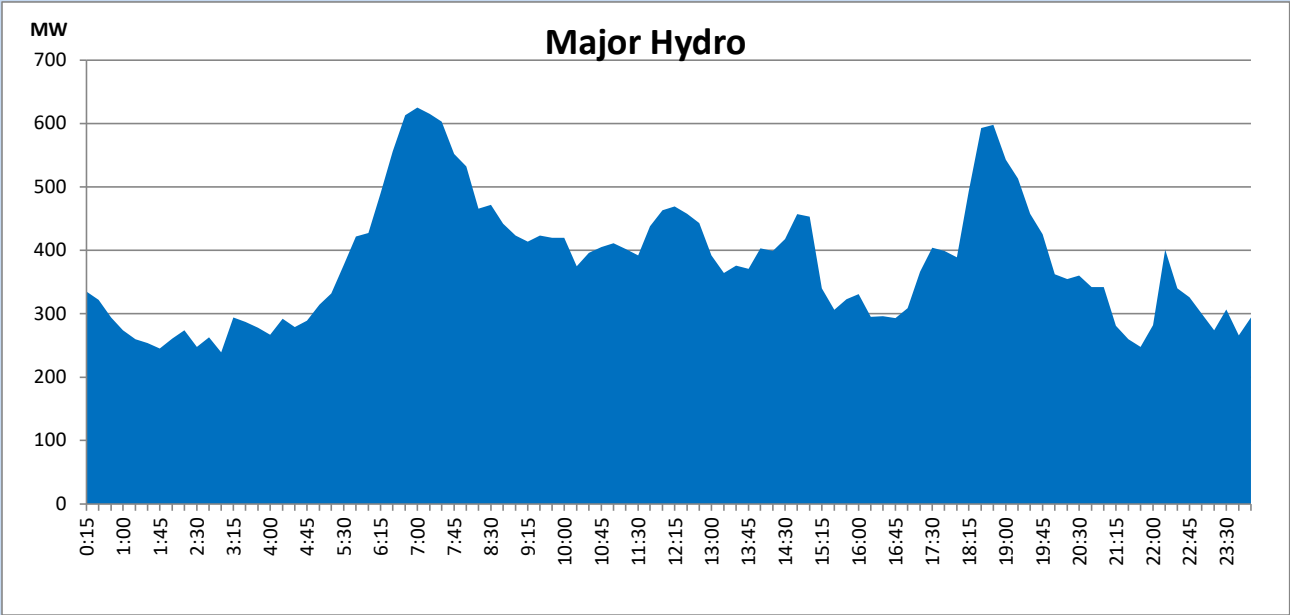
IPP Oil Plant Generation during the Previous day

January 21, 2023



Major Hydro Generation during the Previous day

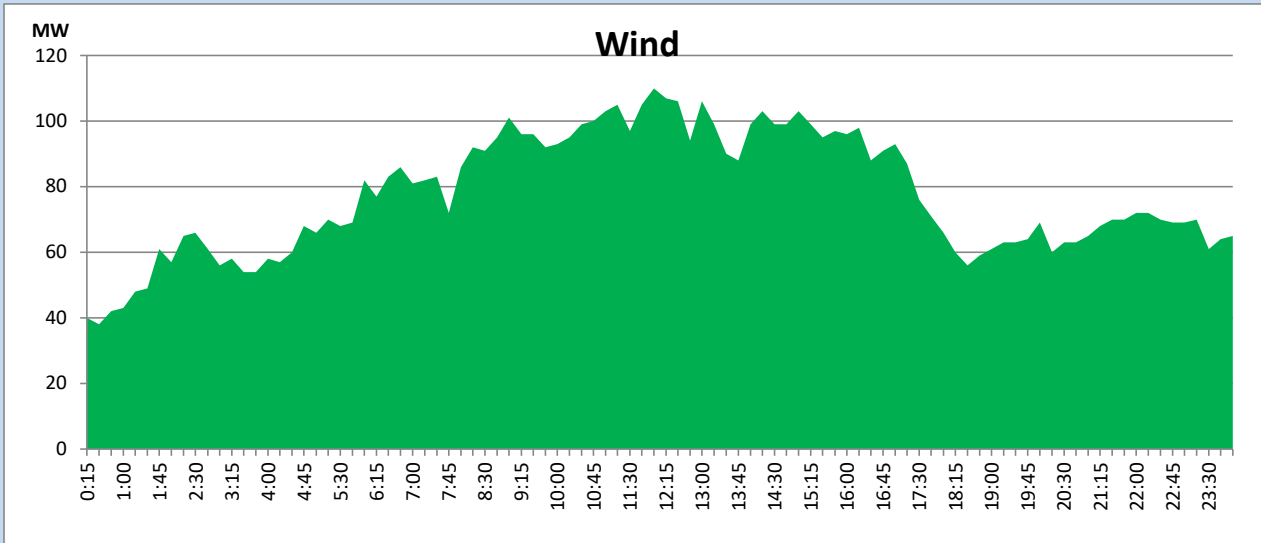
January 21, 2023



## Wind Generation during the Previous day

January 21, 2023

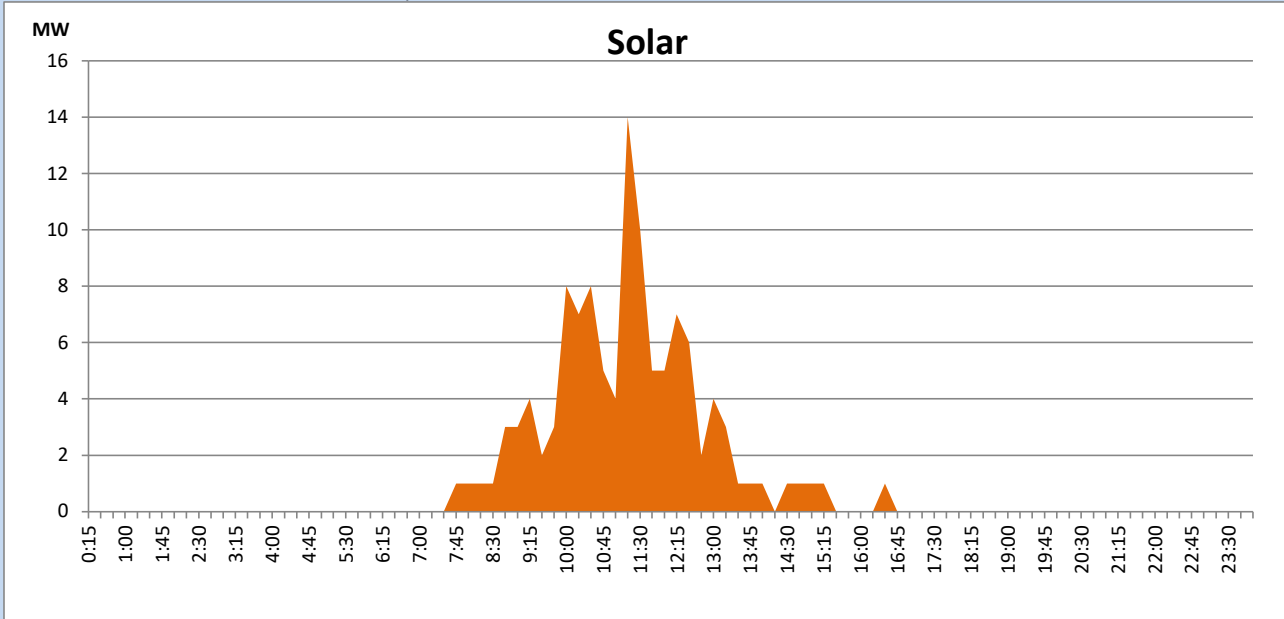
Based on Telemetered Power Stations only



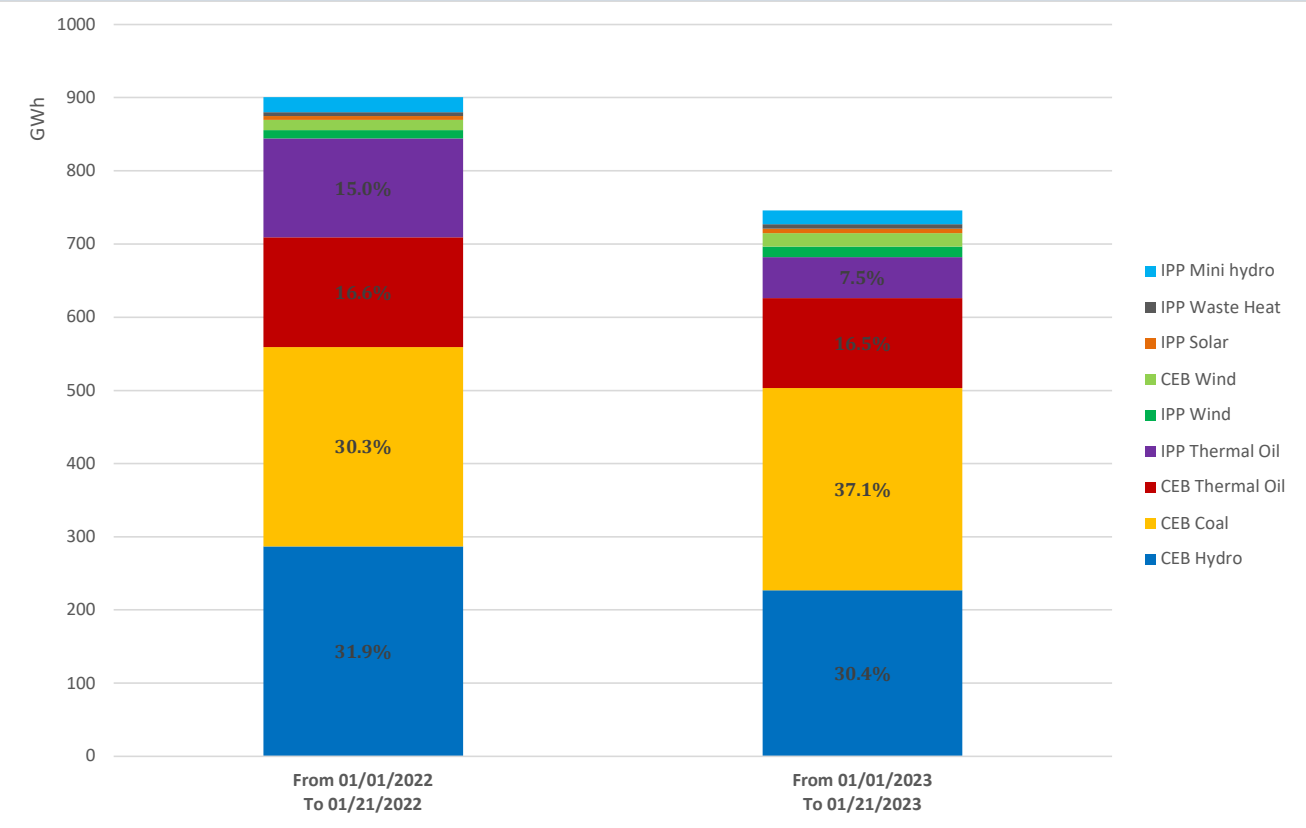
## Solar Generation during the Previous day

January 21, 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 21, 2023

1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.