

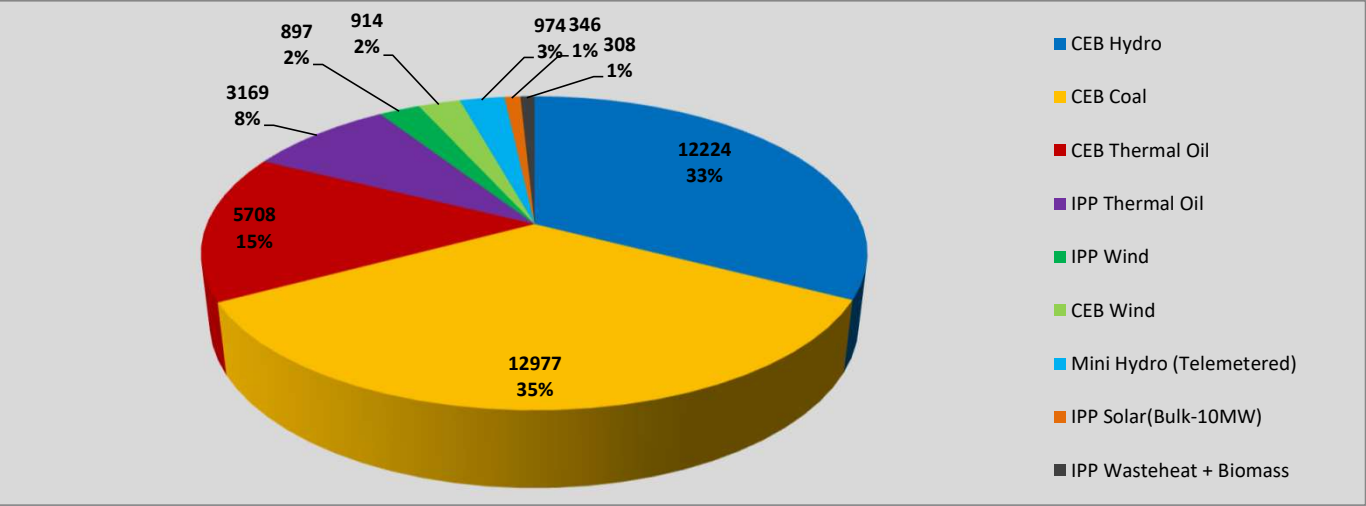
# Generation and Reservoirs Statistics

January 10, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 37,530 MWh

Estimated figures of CEB generation report

- Estimated unserved energy = 2.17 GWh
- Estimated Mini Hydro (Non telemetered) = 1546 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

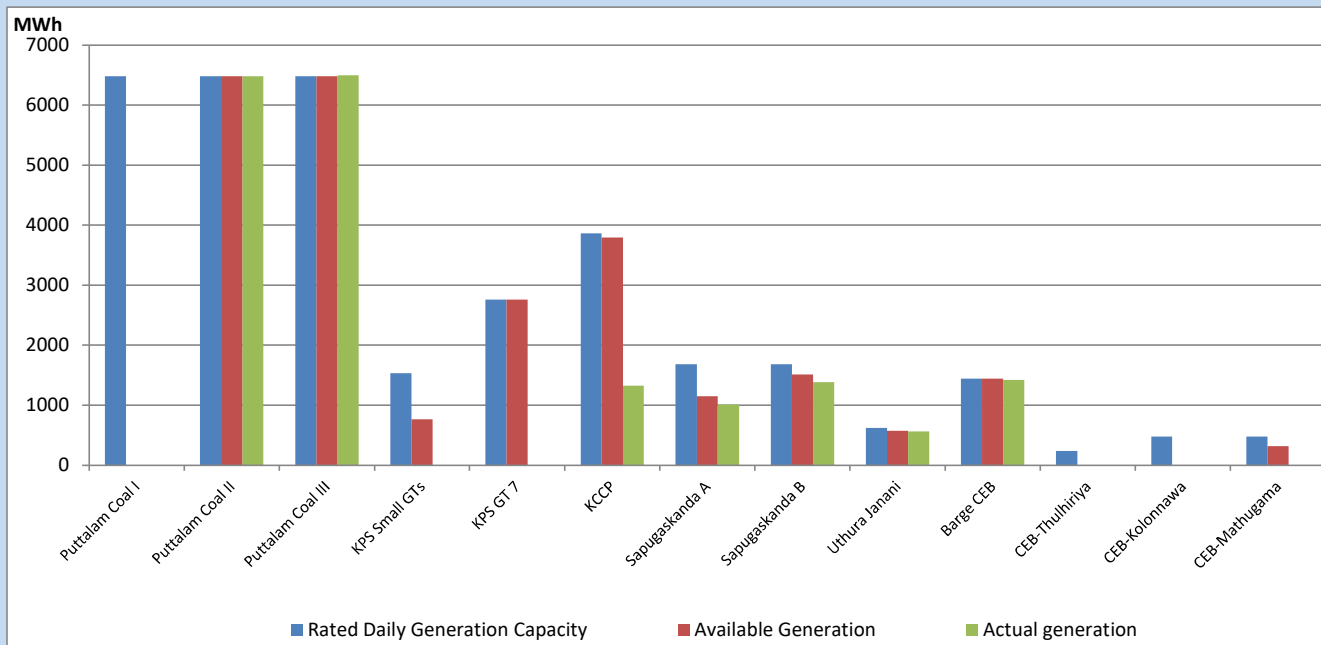
Category	Dispatch (GWh)	
CEB Hydro	110	31.68%
CEB Coal	130	37.46%
CEB Thermal Oil	39	11.29%
IPP Thermal	35	10.06%
SPP Wind	8	2.20%
CEB Wind	10	2.93%
Mini Hydro (Telemetered)	10	2.78%
IPP Solar(Bulk-10MW)	3	0.84%
IPP Wasteheat + BMP	3	0.77%
Total	348	

For Current Year

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## CEB owned Thermal Plant Dispatch

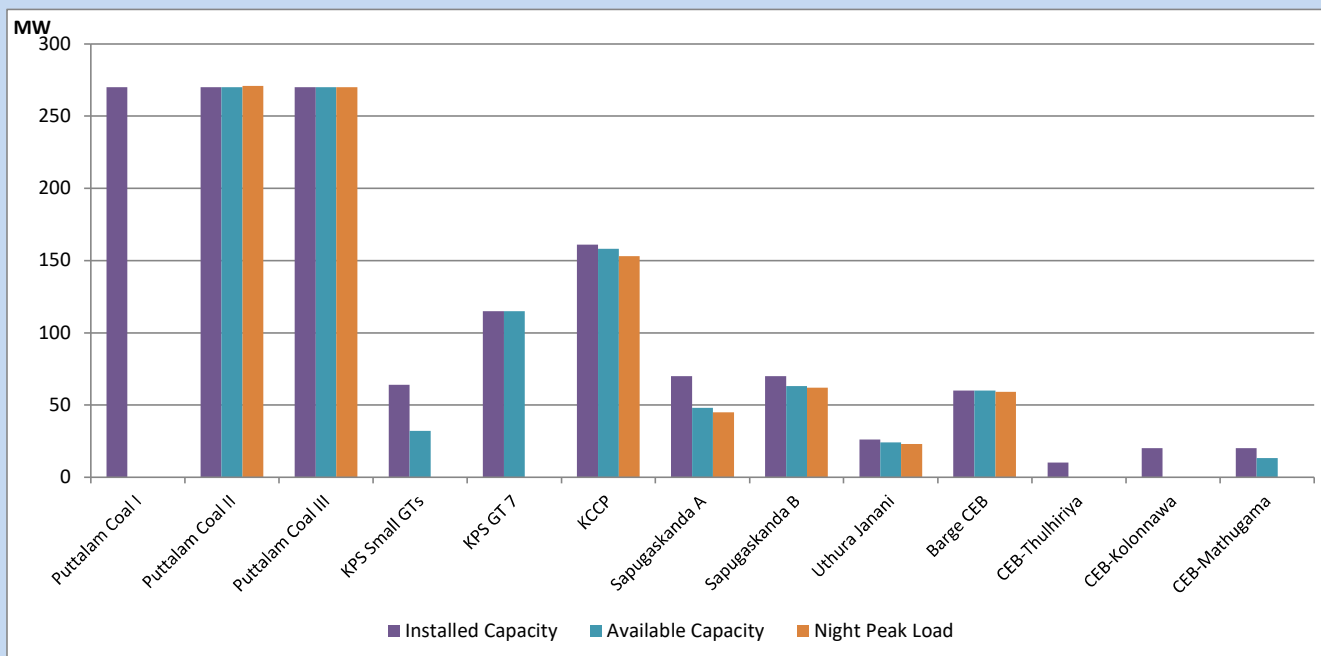
January 10, 2023



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

January 11, 2023

## CEB owned Thermal Plant Loading at the Night Peak



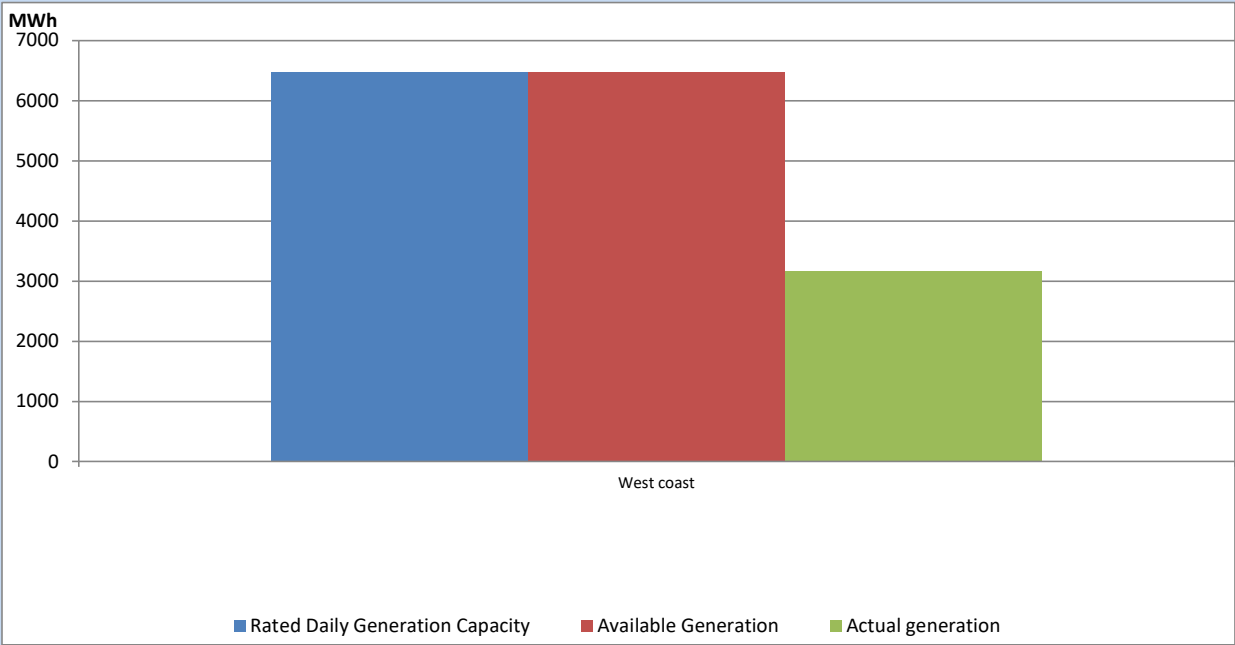
Note- Plant availability is recorded at 6.00 am on

January 11, 2023

IPP owned Thermal Plant Dispatch

January 10, 2023

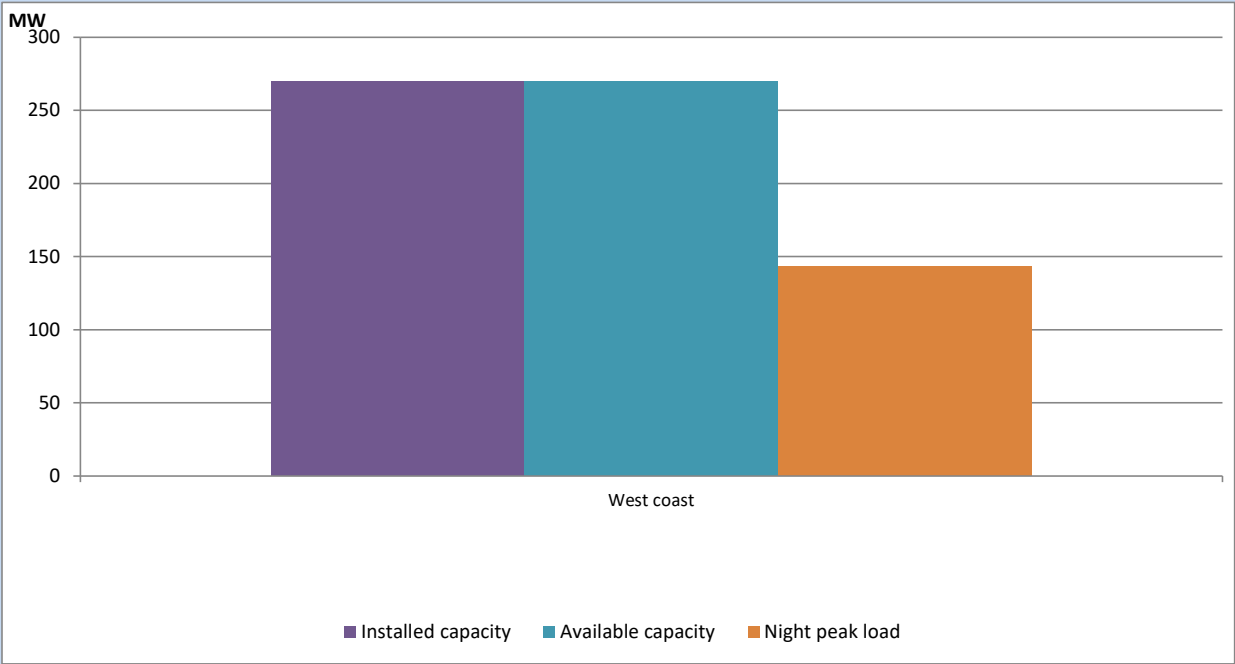
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya, Sojitz kelanitissa are not available due to expiration of PPAs



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

January 11, 2023

IPP owned Thermal Plant Loading at the Night Peak

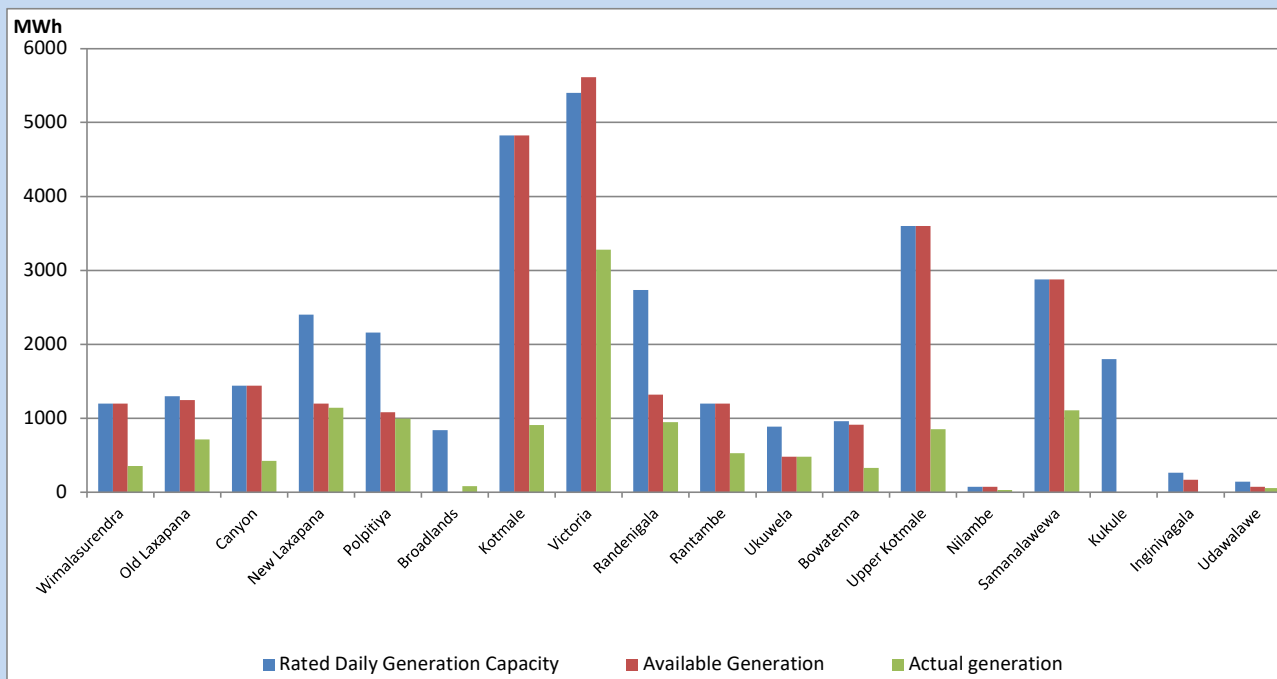


Note- Plant availability is recorded at 6.00 am on

January 0, 1900

## Major Hydro Plant Dispatch

January 10, 2023

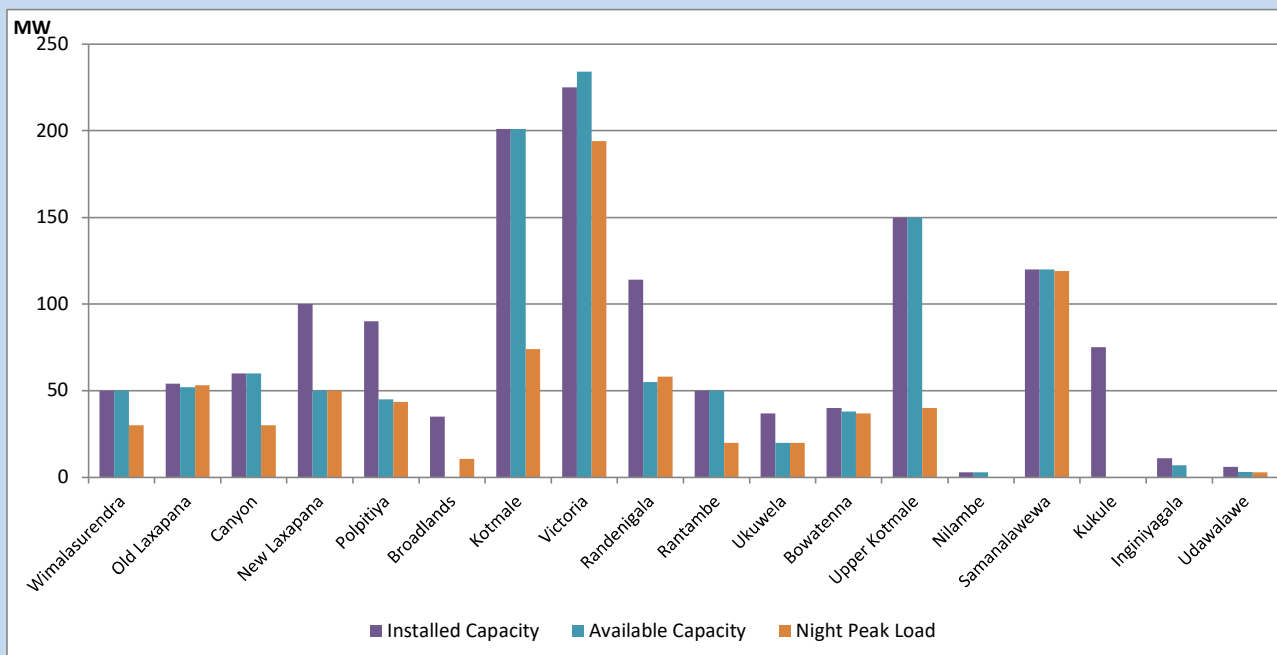


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 11, 2023

## Major Hydro Plant Loading at Night Peak

January 10, 2023



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

January 11, 2023

## Summary of Major Plant performance

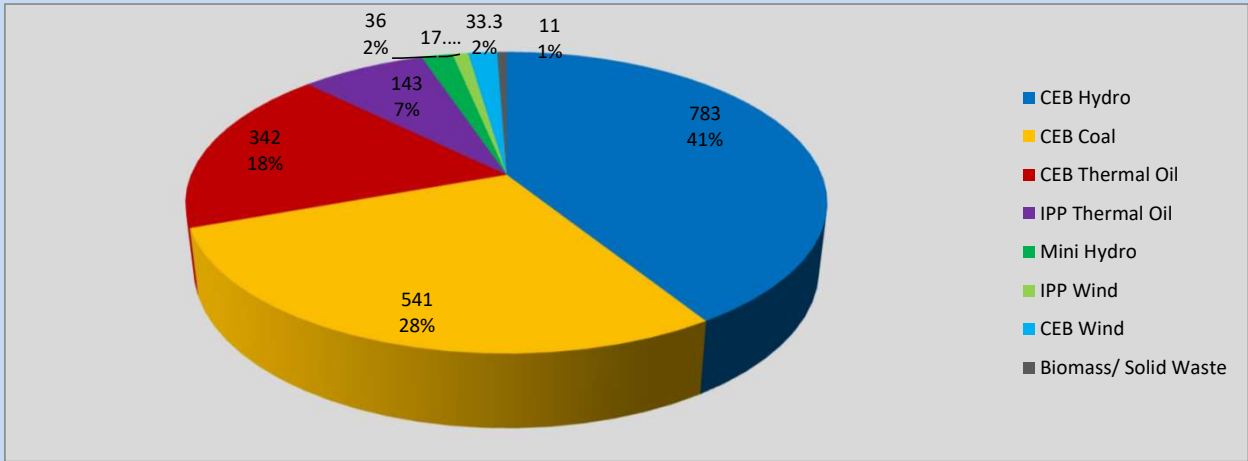
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	353
Old Laxapana	54	52	53	713
Canyon	60	60	30	424
New Laxapana	100	50	50	1,145
Polpitiya	90	45	44	994
Broadlands	35	0	11	79
Kotmale	201	201	74	910
Victoria	225	234	194	3,281
Randenigala	114	55	58	947
Rantambe	50	50	20	527
Ukuwela	37	20	20	479
Bowatenna	40	38	37	325
Upper Kotmale	150	150	40	852
Nilambe	3	3	0	29
Samanalawewa	120	120	119	1,109
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	3	57
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	271	6,481
Puttalam Coal III	270	270	270	6,496
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	153	1,327
Sapugaskanda A	70	48	45	1,013
Sapugaskanda B	70	63	62	1,385
Uthura Janani	26	24	23	562
Barge CEB	60	60	59	1,421
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	143	3,169
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,461	1,906	37,517

Plant availability is the availability recorded at 6 am on

January 11, 2023

Contribution to the Night Peak in MW

January 10, 2023

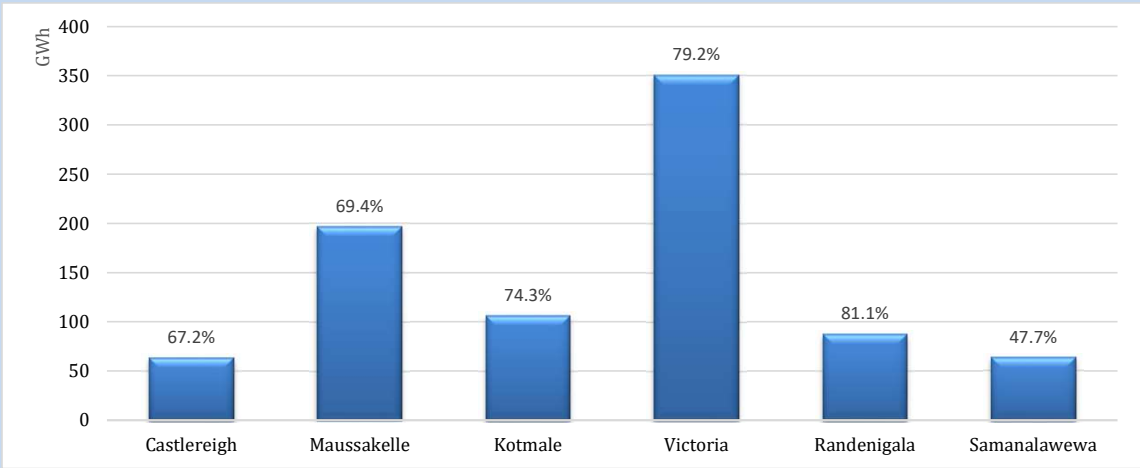


Night Peak*	1,907.3 MW
Day Peak	1,755.1 MW
Minimum Demand	1,138.7 MW

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

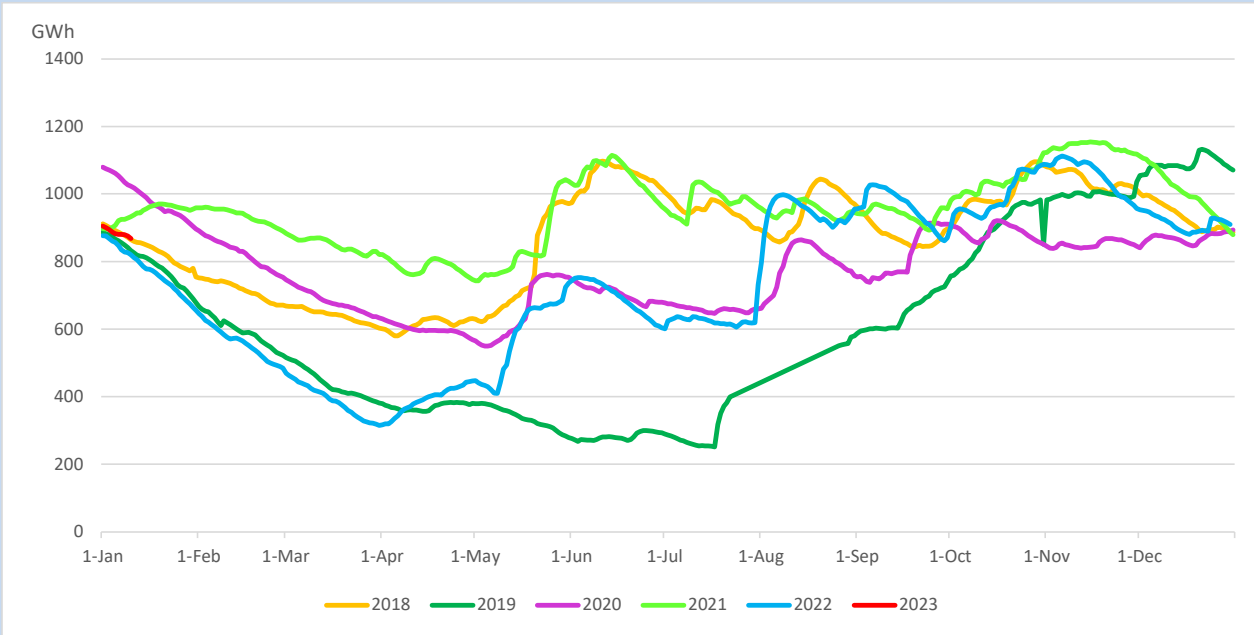
Reservoir Levels -

as at 06.00 Hr on January 11, 2023

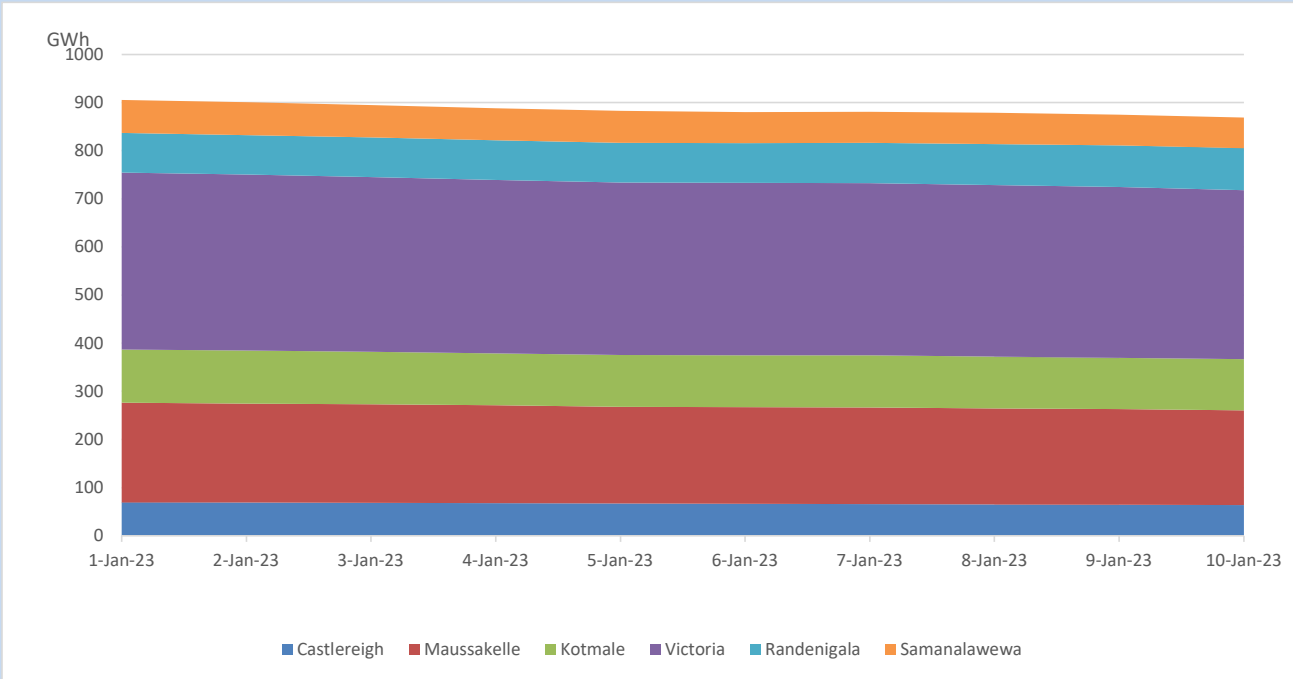


Total Reservoir Level	868.6 GWh
% of Total capacity	72.1%

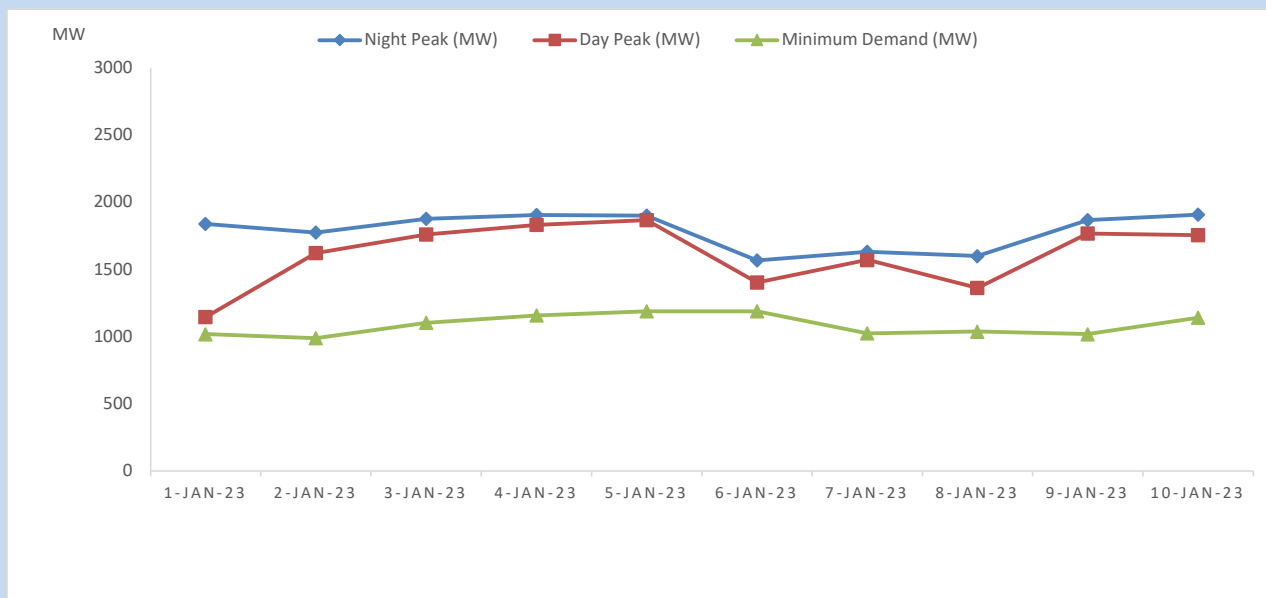
### Comparison of Total Reservoir Storage Levels with Past Years



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



## Variation of Demand during the current year

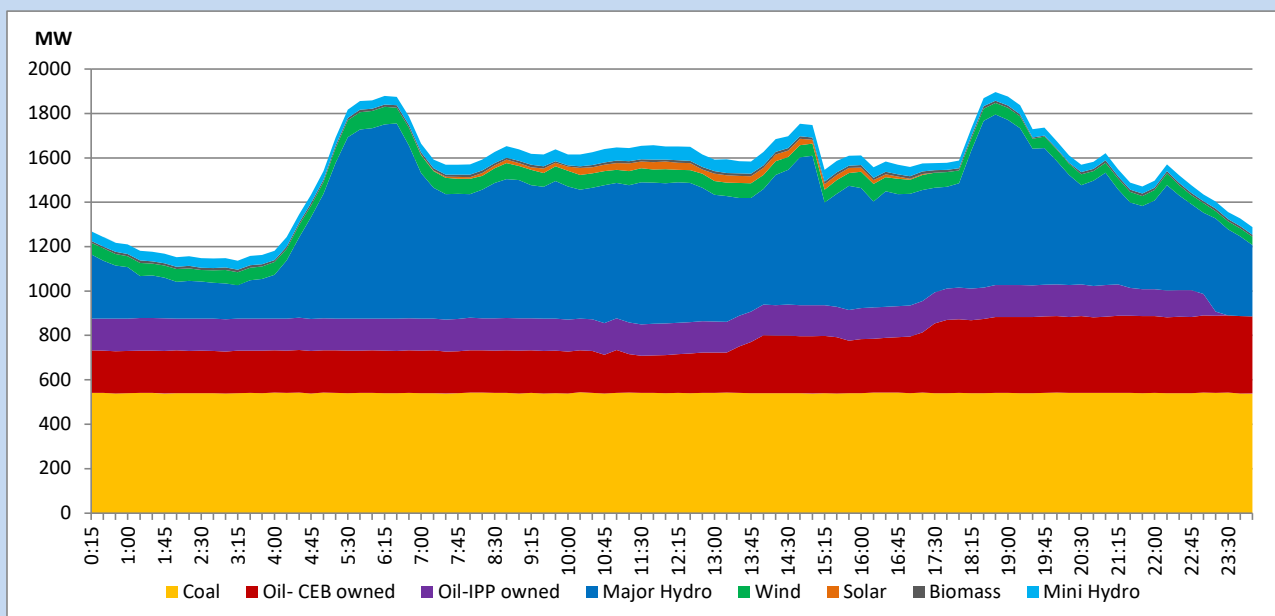


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

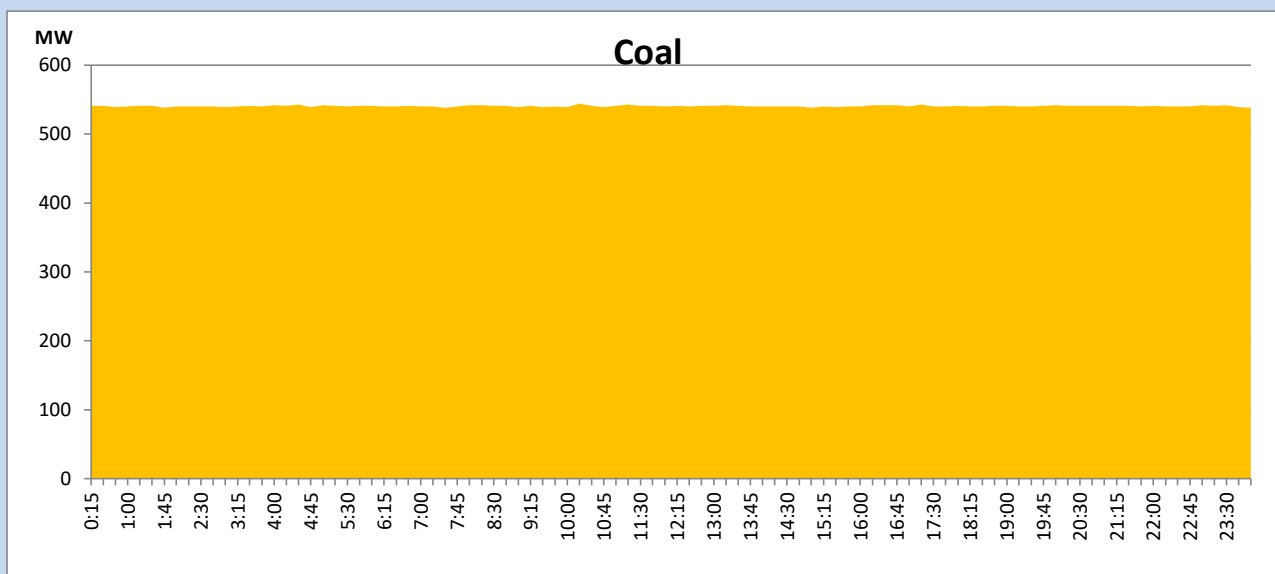
January 10, 2023

Solar and wind data is based on Telemetered Power Stations only



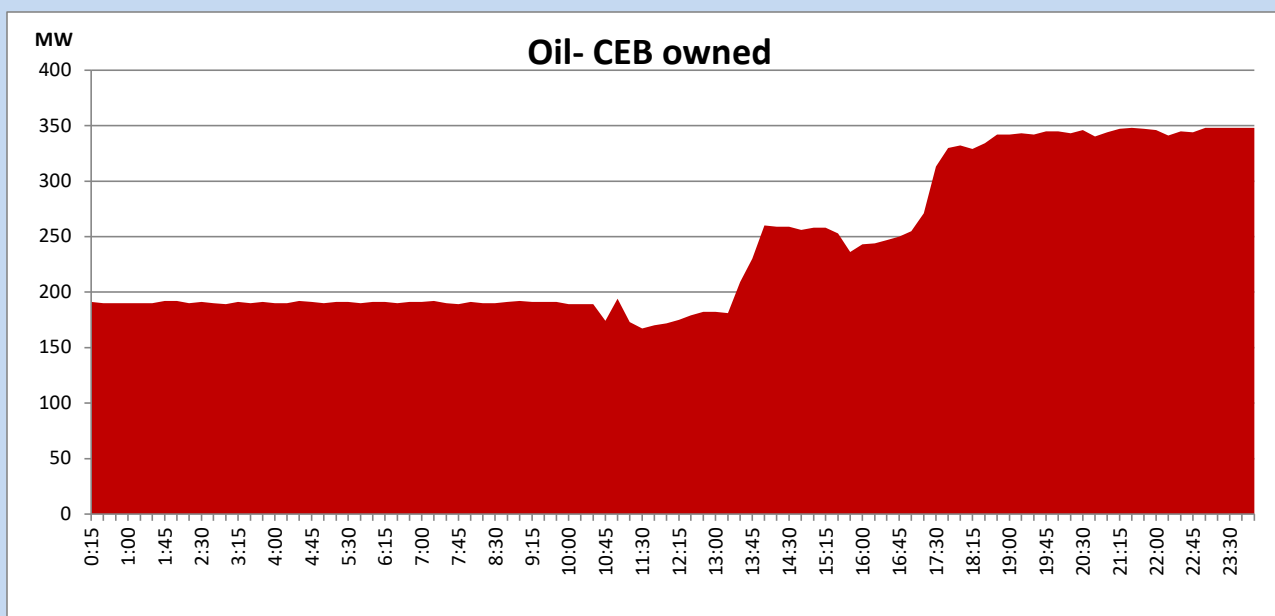
## Coal Generation during the Previous day

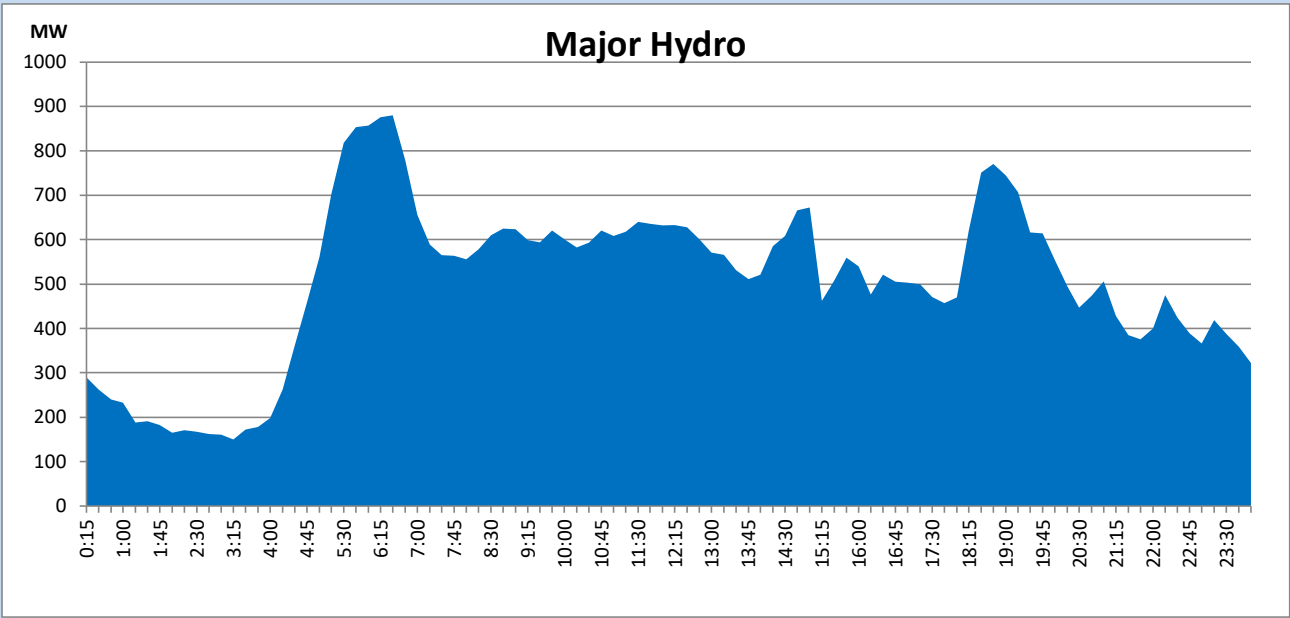
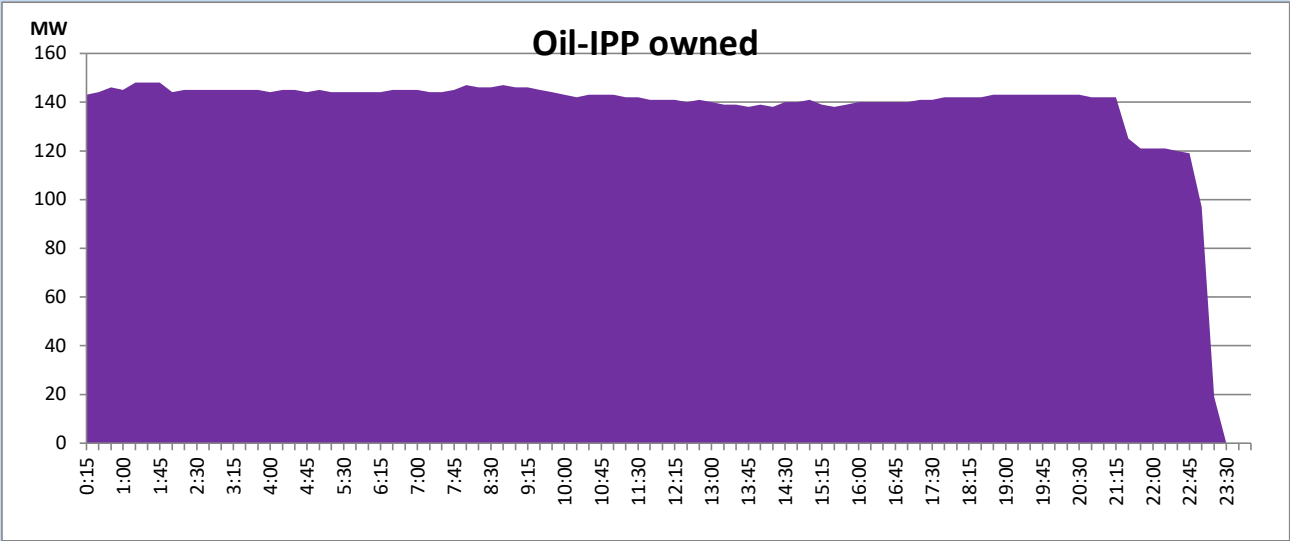
January 9, 2023



## CEB Oil Plant Generation during the Previous day

January 9, 2023

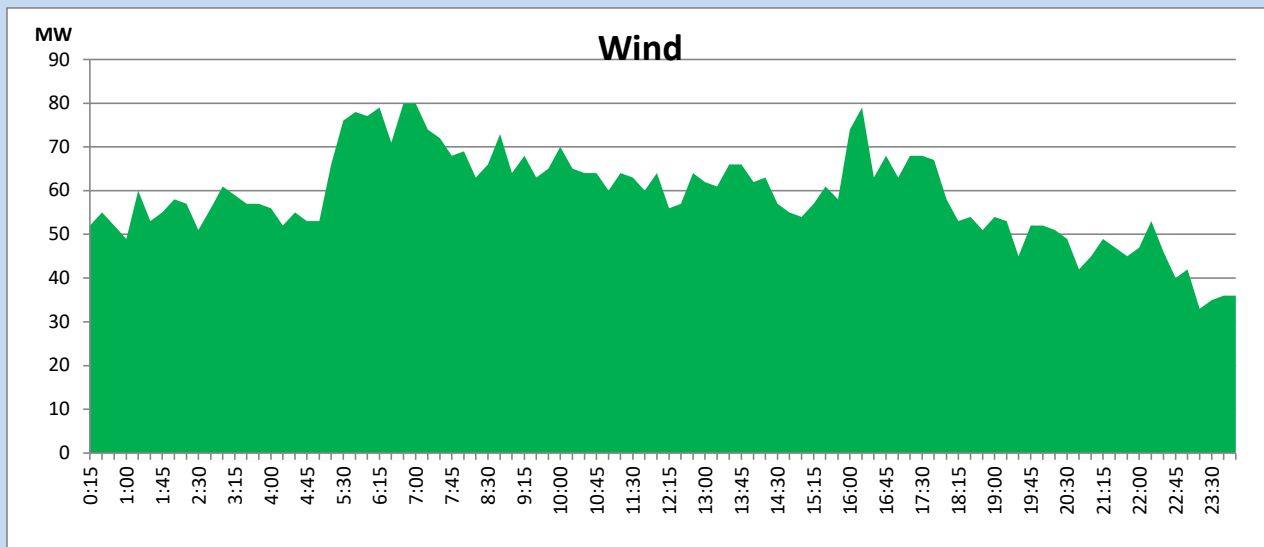




## Wind Generation during the Previous day

January 9, 2023

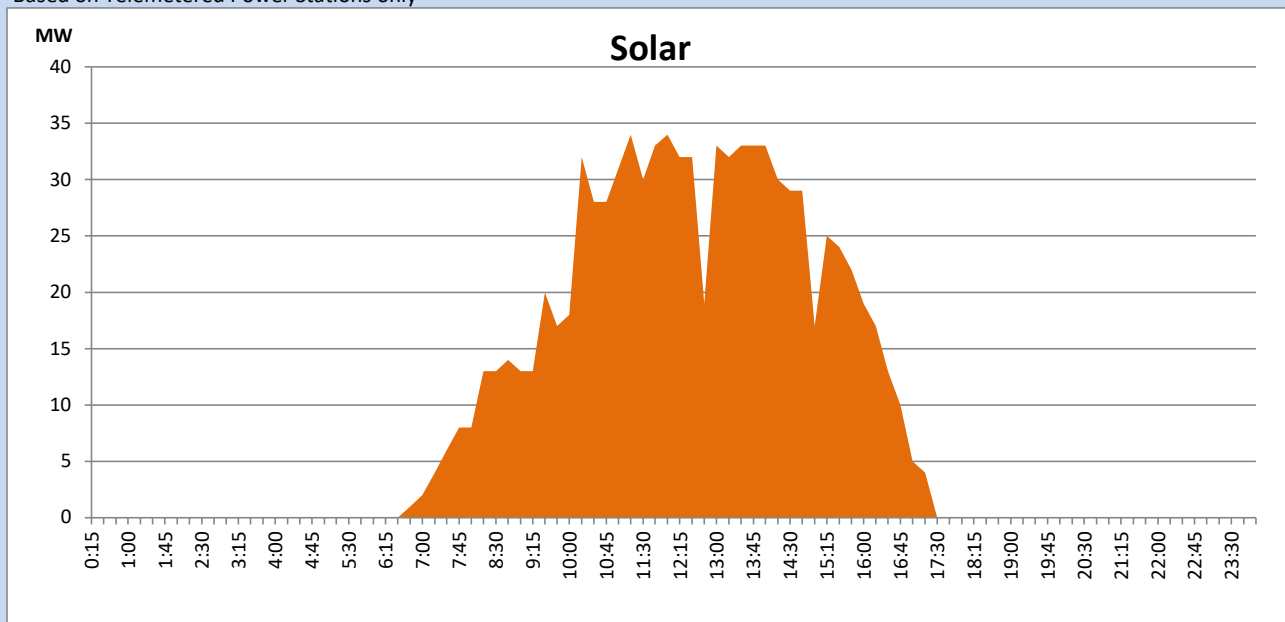
Based on Telemetered Power Stations only



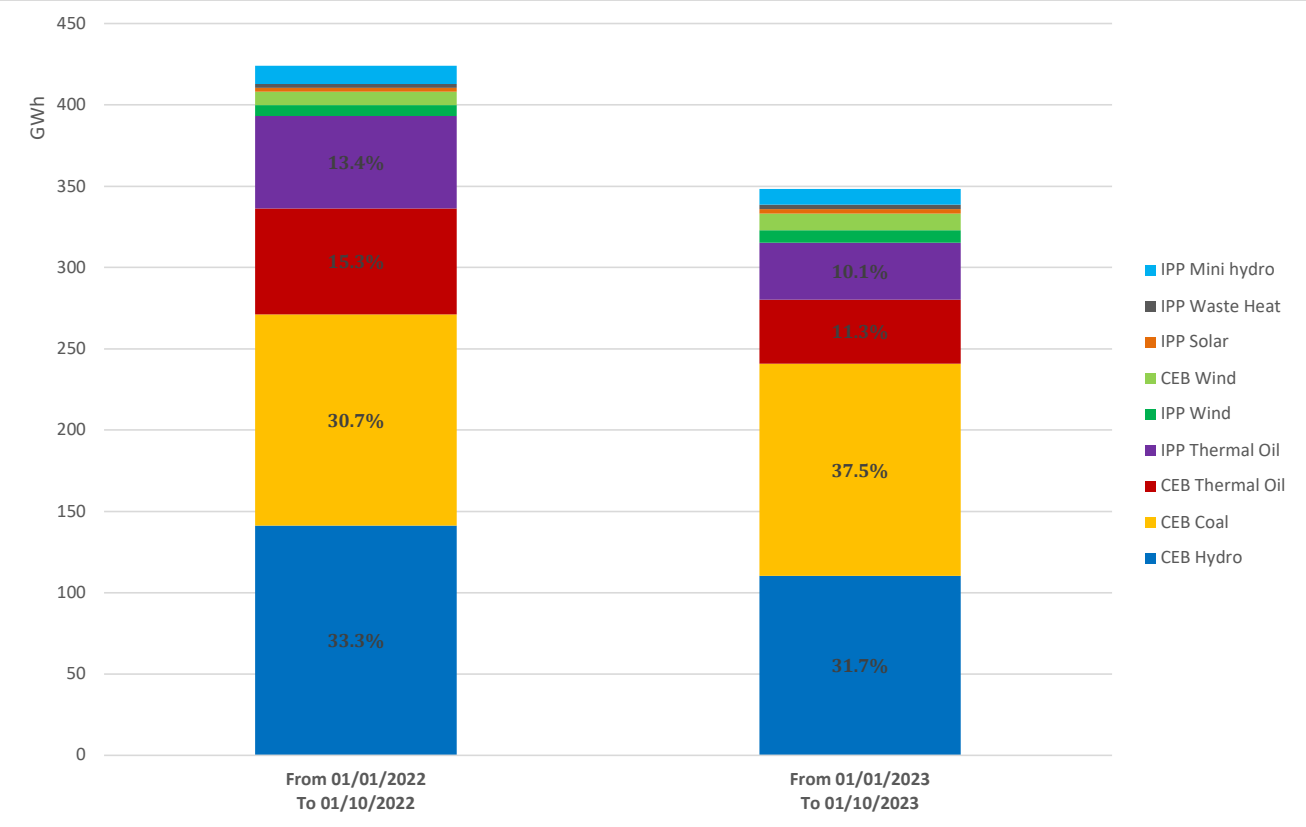
## Solar Generation during the Previous day

January 9, 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 10, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) Kotugoda GSS 220/132/33kV T/F 01 tripped at 11:42hrs due to the operation of REF protection, causing 33kV B/B 01 and connected feeders to be dead.