

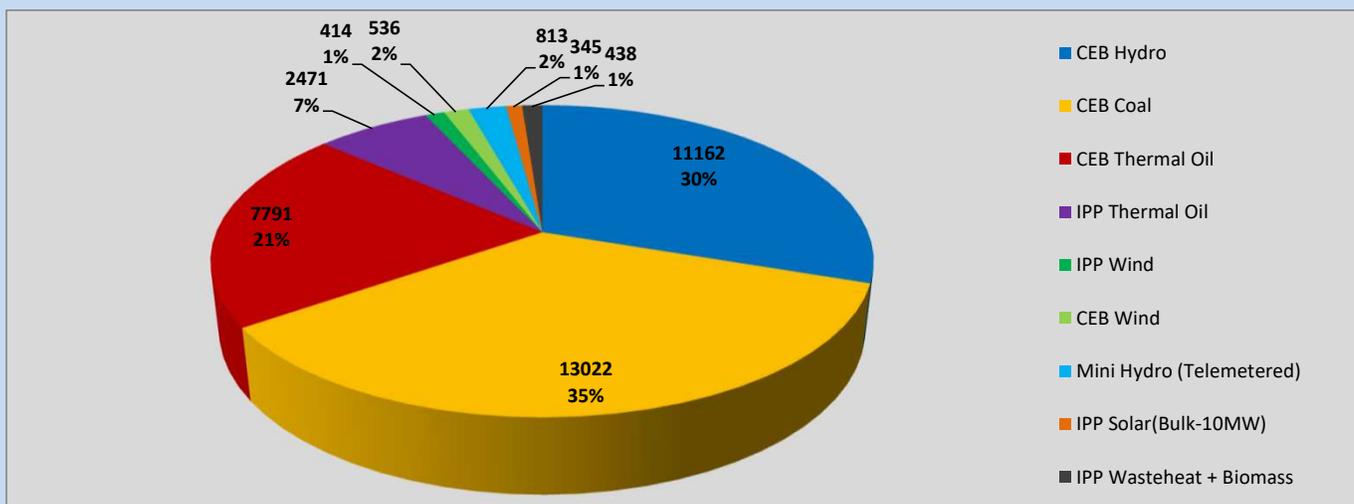
# Generation and Reservoirs Statistics

January 13, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

36,990 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 2.16 GWh  
 Estimated Mini Hydro (Non telemetered) = 1707 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

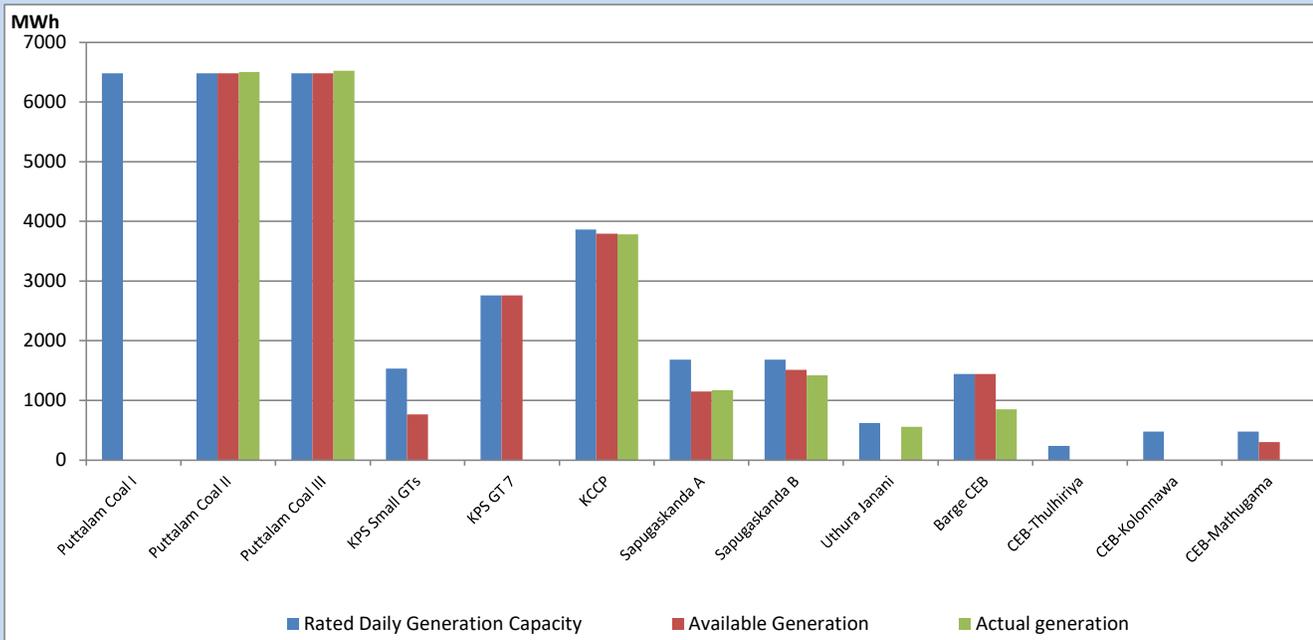
Category	Dispatch (GWh)	
CEB Hydro	145	31.46%
CEB Coal	170	36.90%
CEB Thermal Oil	62	13.40%
IPP Thermal	43	9.27%
SPP Wind	9	2.00%
CEB Wind	12	2.60%
Mini Hydro (Telemetered)	12	2.64%
IPP Solar (Bulk-10MW)	4	0.87%
IPP Wasteheat + BMP	4	0.84%
<b>Total</b>	<b>459</b>	

### For Current Year

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

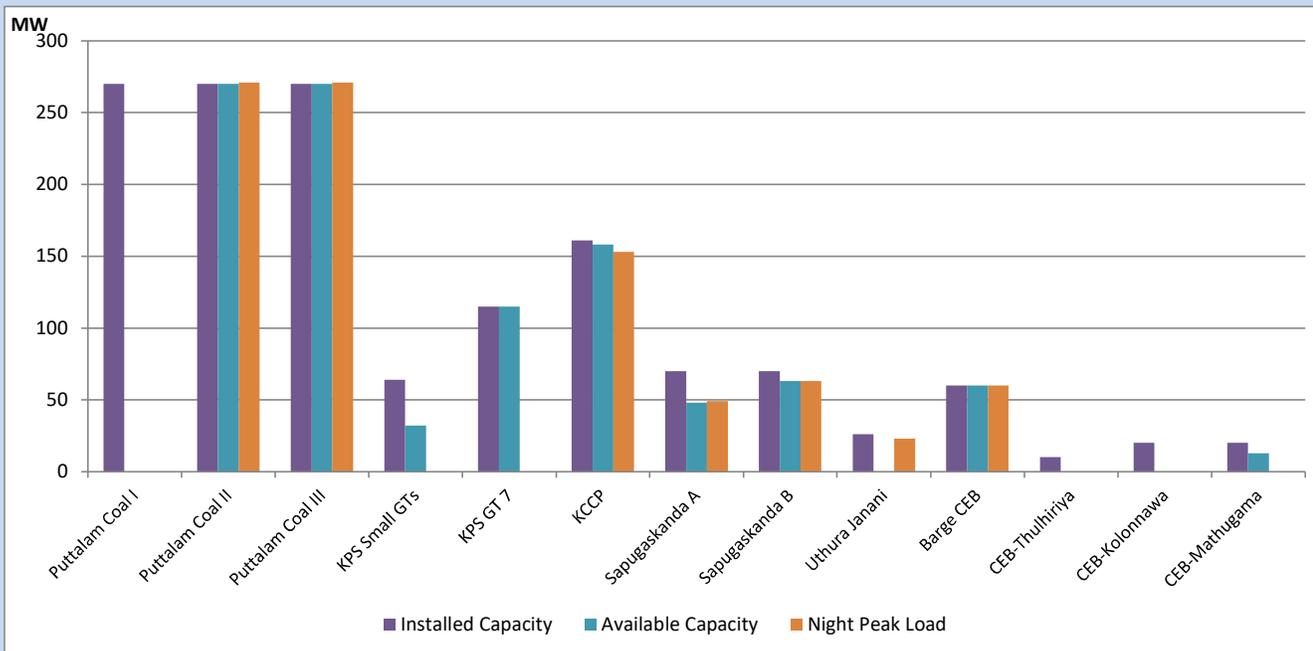
January 13, 2023



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

January 14, 2023

## CEB owned Thermal Plant Loading at the Night Peak



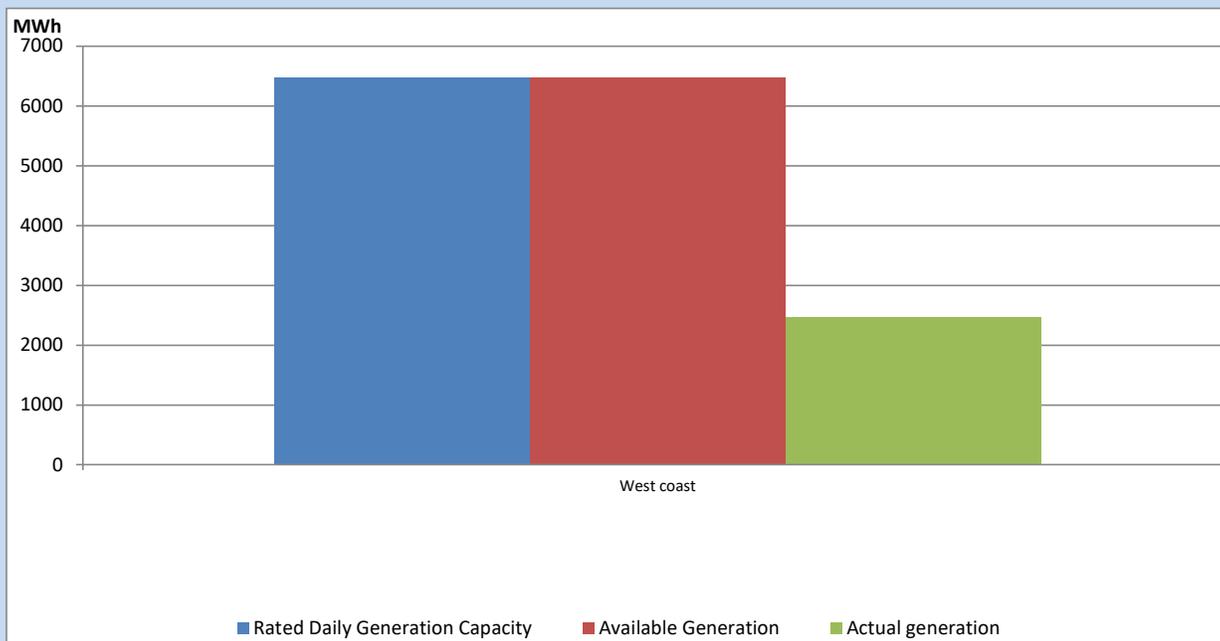
Note- Plant availability is recorded at 6.00 am on

January 14, 2023

## IPP owned Thermal Plant Dispatch

January 13, 2023

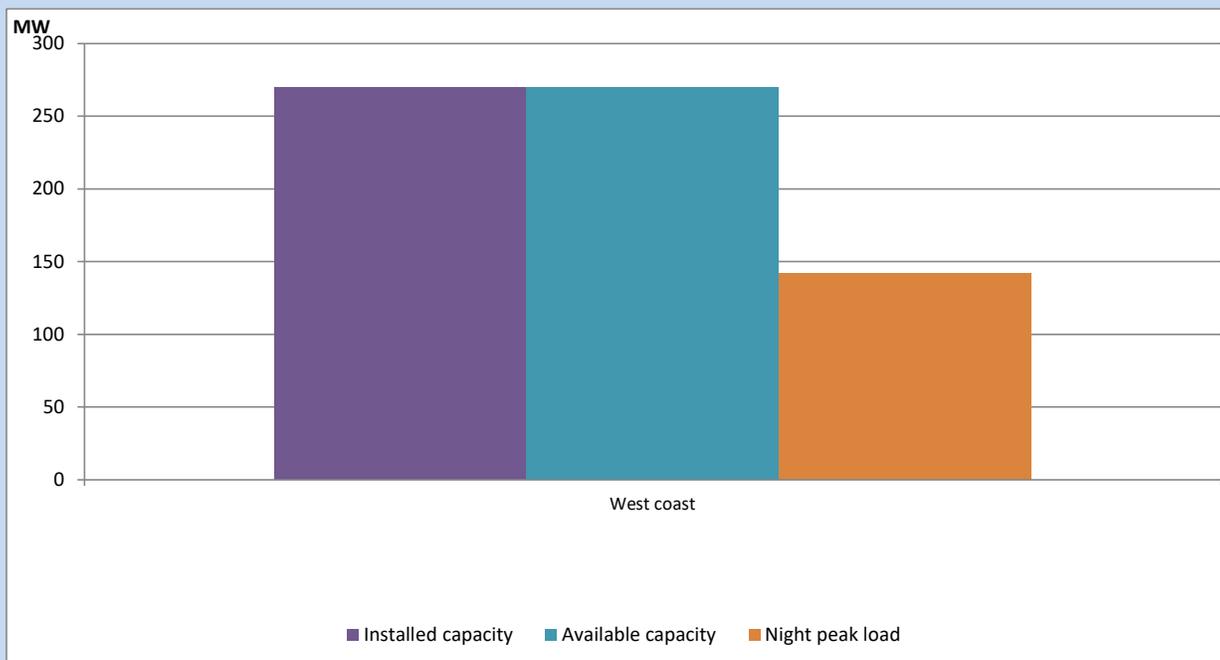
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya, Sojitz kelanitissa are not available due to expiration of PPAs



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

January 14, 2023

## IPP owned Thermal Plant Loading at the Night Peak

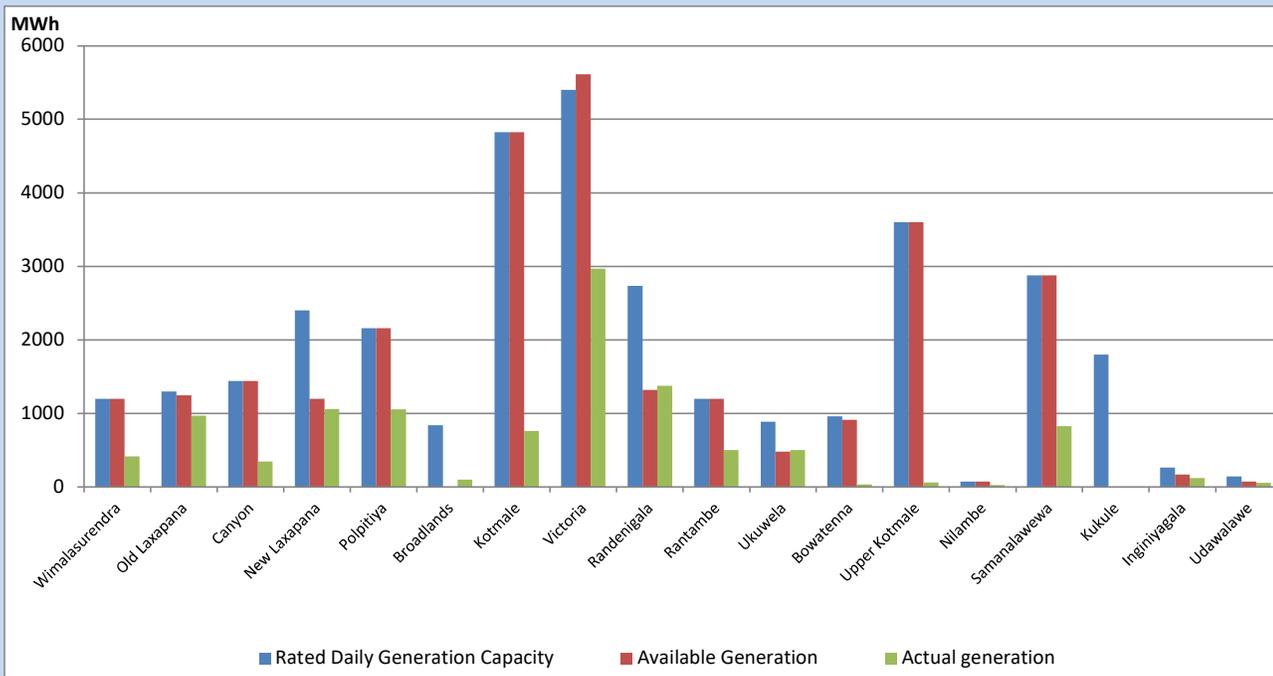


Note- Plant availability is recorded at 6.00 am on

January 0, 1900

## Major Hydro Plant Dispatch

January 13, 2023

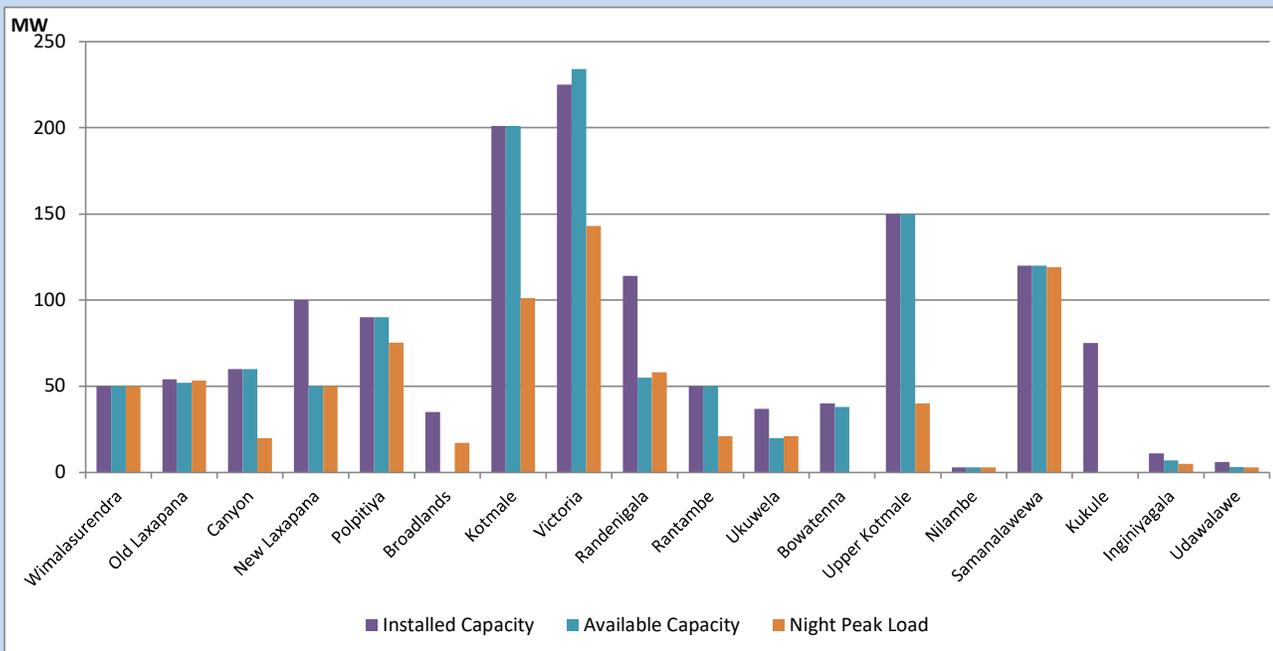


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 14, 2023

## Major Hydro Plant Loading at Night Peak

January 13, 2023



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

January 14, 2023

## Summary of Major Plant performance

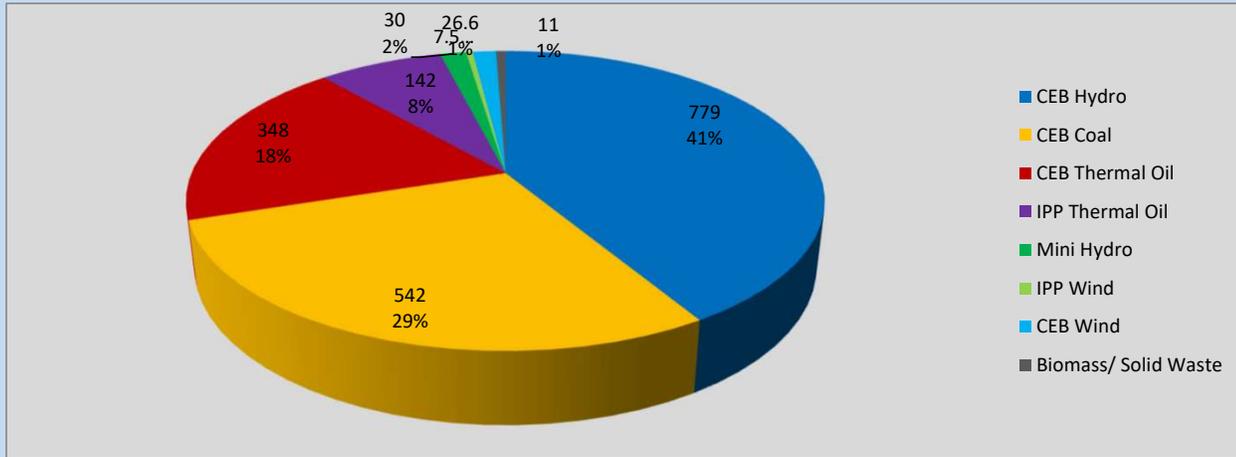
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	418
Old Laxapana	54	52	53	966
Canyon	60	60	20	345
New Laxapana	100	50	50	1,059
Polpitiya	90	90	75	1,055
Broadlands	35	0	17	97
Kotmale	201	201	101	760
Victoria	225	234	143	2,968
Randenigala	114	55	58	1,376
Rantambe	50	50	21	501
Ukuwela	37	20	21	501
Bowatenna	40	38	0	33
Upper Kotmale	150	150	40	59
Nilambe	3	3	3	24
Samanalawewa	120	120	119	824
Kukule	75	0	0	0
Inginiyagala	11	7	5	121
Udawalawe	6	3	3	55
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	271	6,499
Puttalam Coal III	270	270	271	6,523
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	153	3,785
Sapugaskanda A	70	48	49	1,174
Sapugaskanda B	70	63	63	1,422
Uthura Janani	26	0	23	561
Barge CEB	60	60	60	849
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	142	2,471
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,482</b>	<b>1,886</b>	<b>36,992</b>

Plant availability is the availability recorded at 6 am on

January 14, 2023

## Contribution to the Night Peak in MW

January 13, 2023

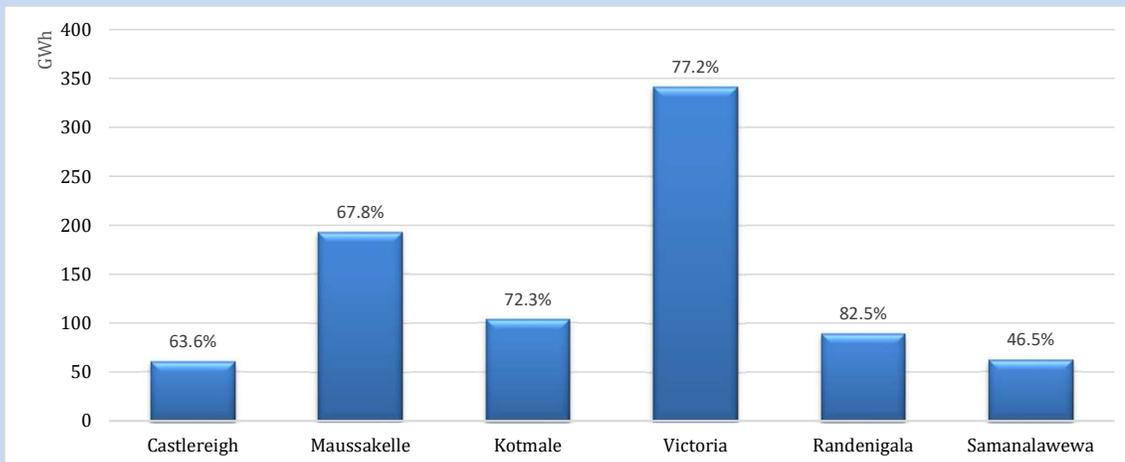


Night Peak*	1,885.3 MW
Day Peak	1,729.3 MW
Minimum Demand	1,134.3 MW

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

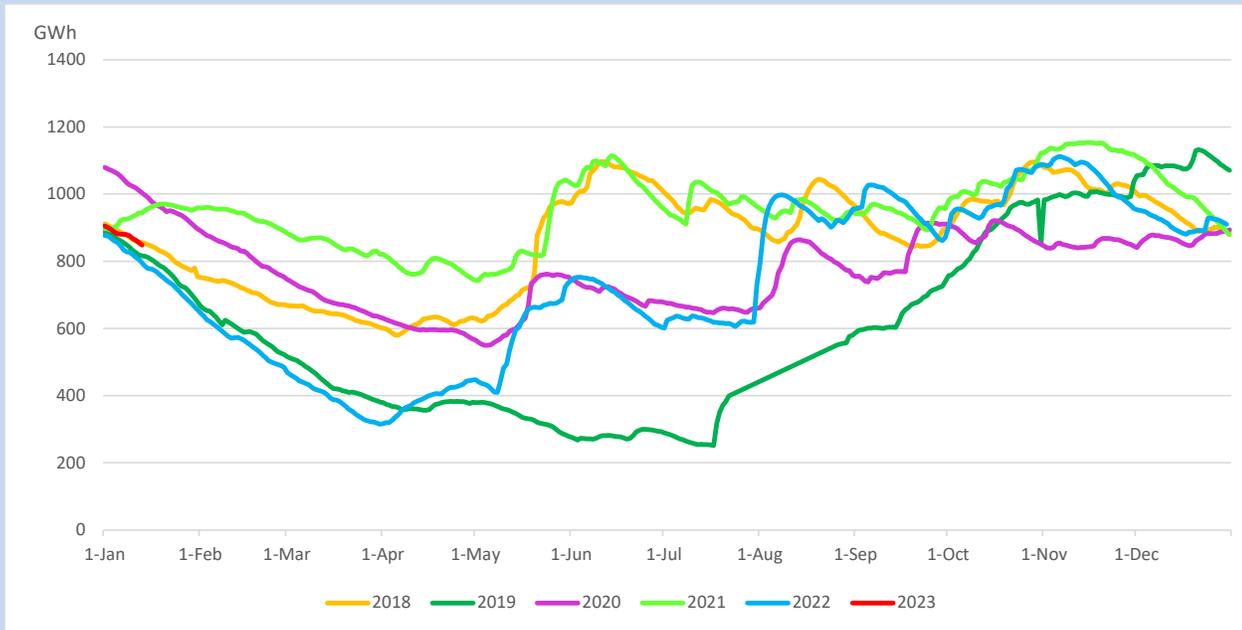
## Reservoir Levels -

as at 06.00 Hr on January 14, 2023

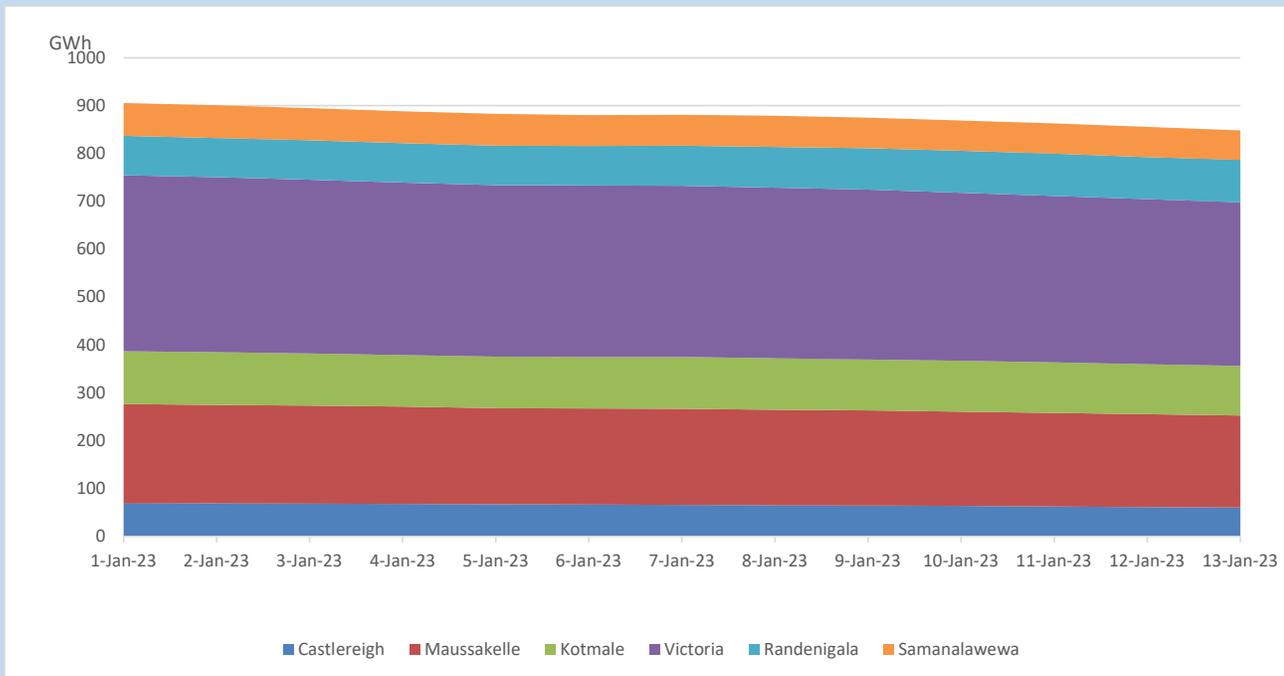


Total Reservoir Level	848.5 GWh
% of Total capacity	70.4%

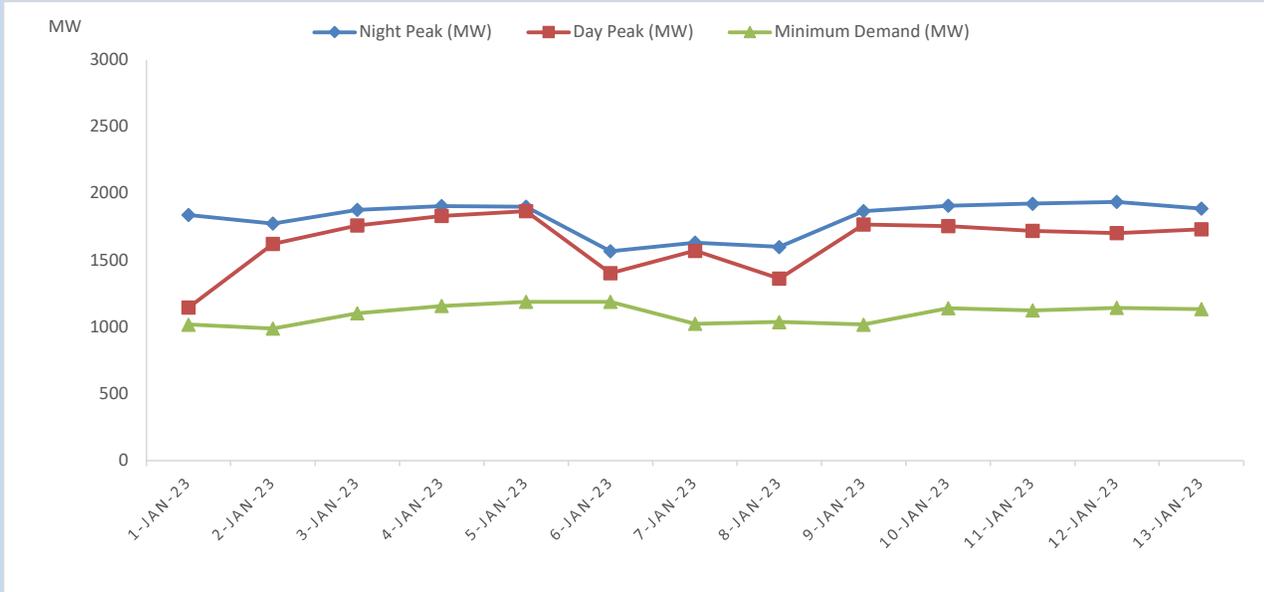
## Comparison of Total Reservoir Storage Levels with Past Years



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



## Variation of Demand during the current year

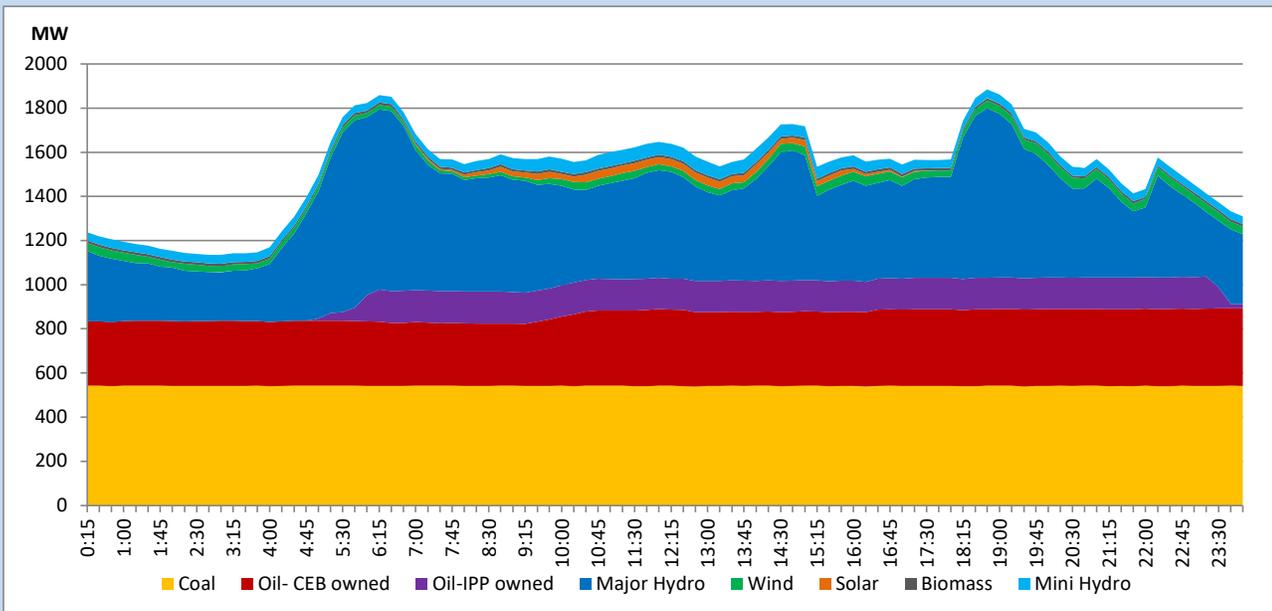


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

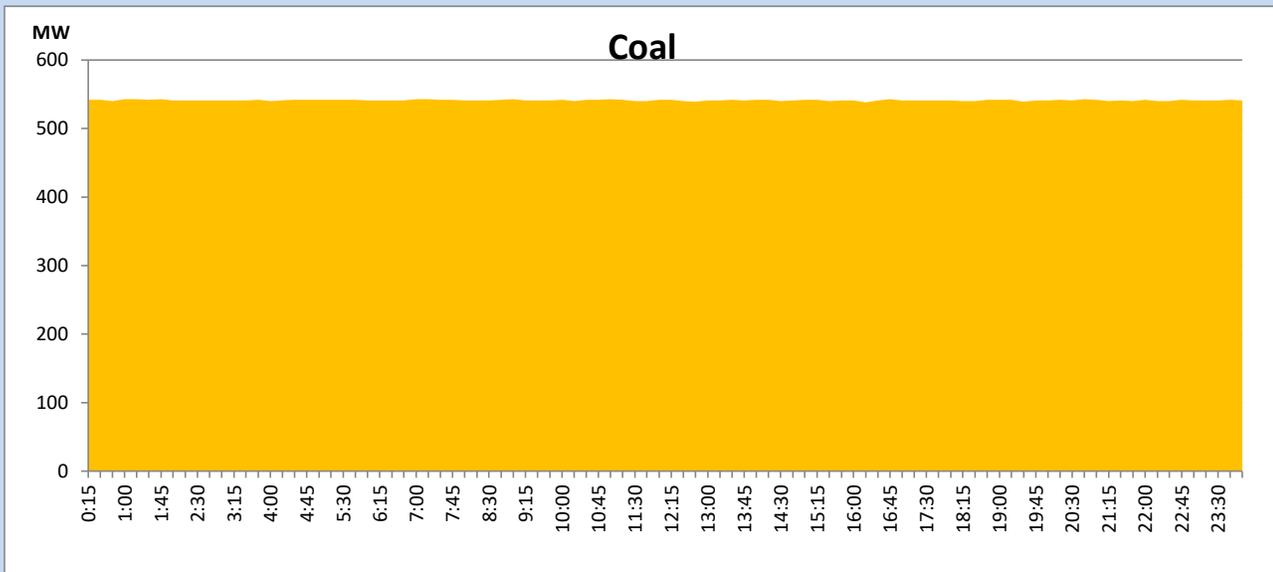
January 13, 2023

Solar and wind data is based on Telemetered Power Stations only



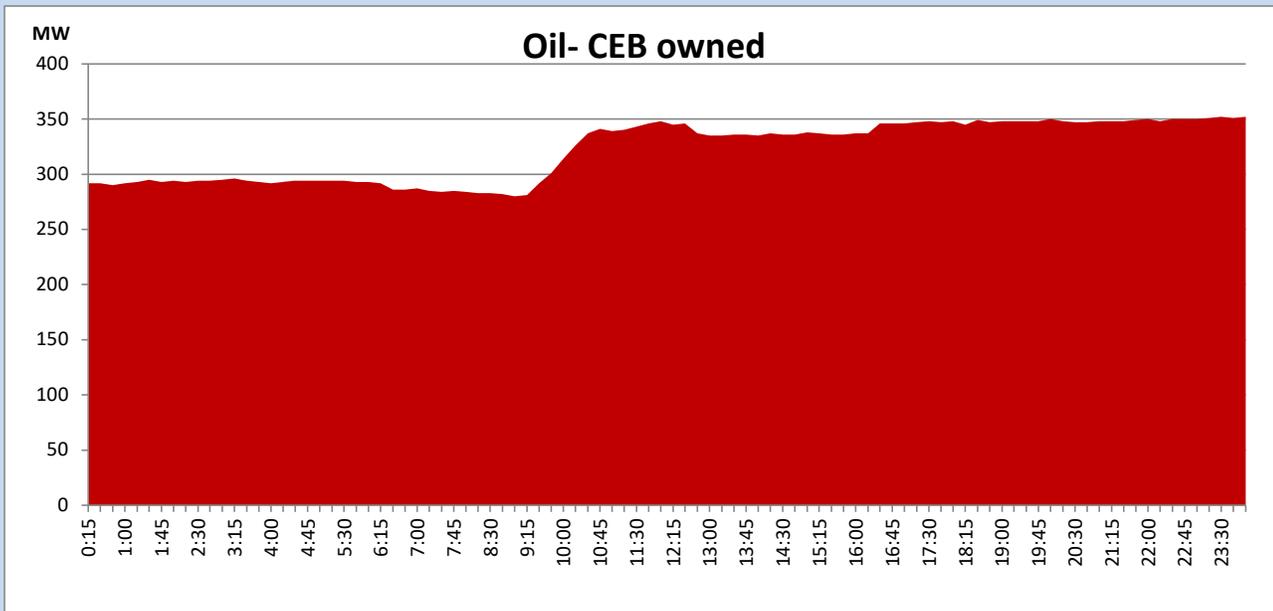
## Coal Generation during the Previous day

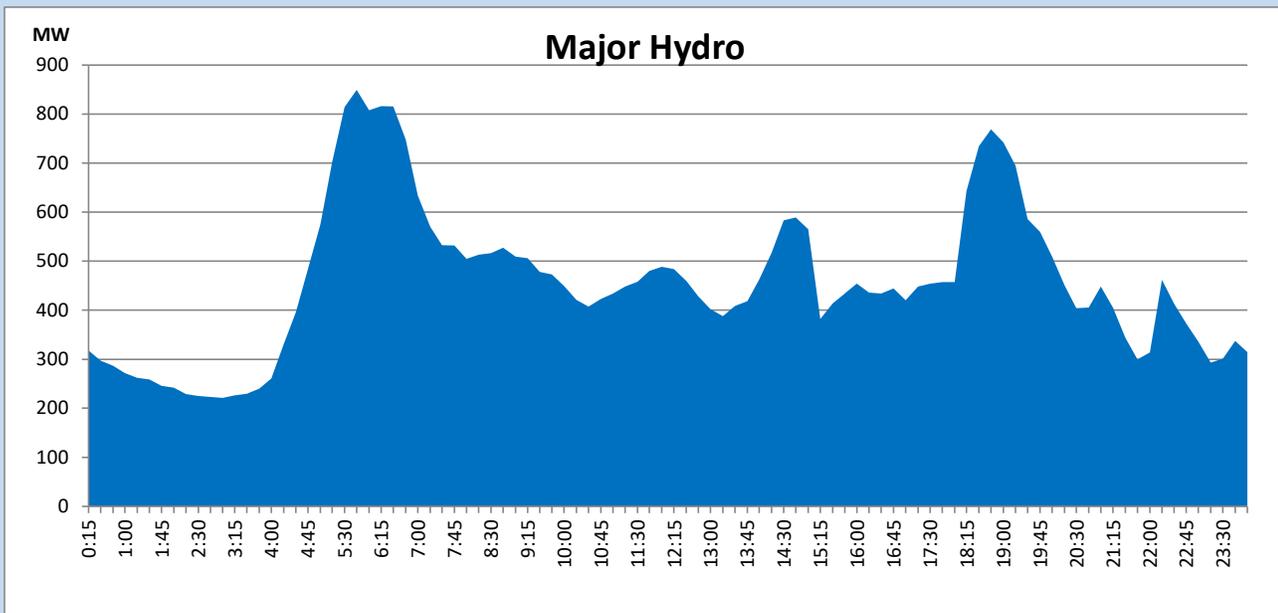
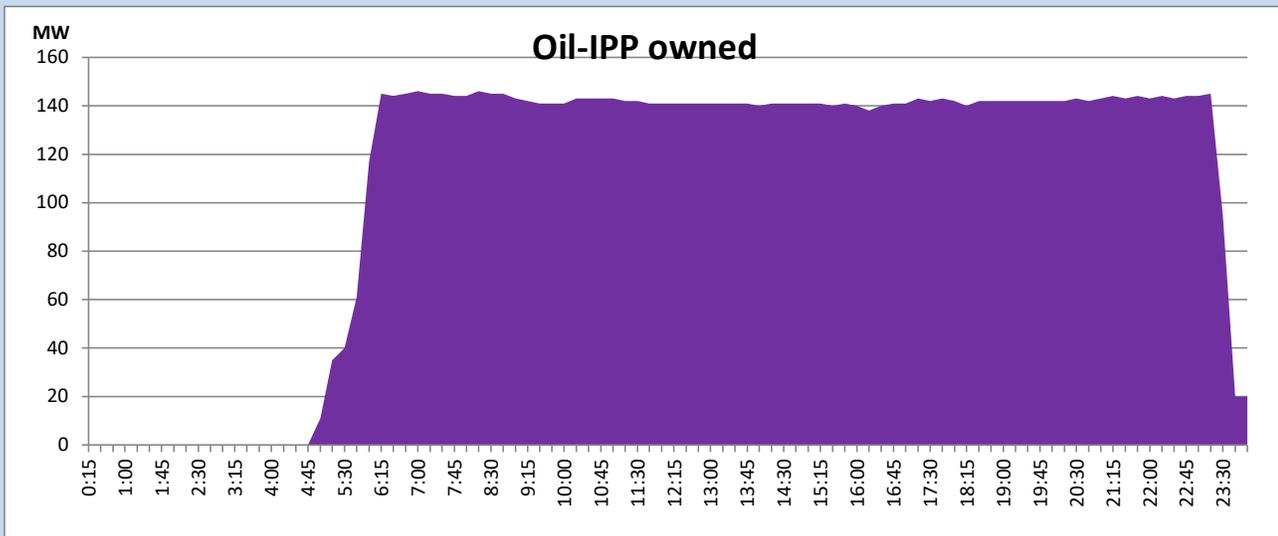
January 12, 2023



## CEB Oil Plant Generation during the Previous day

January 12, 2023

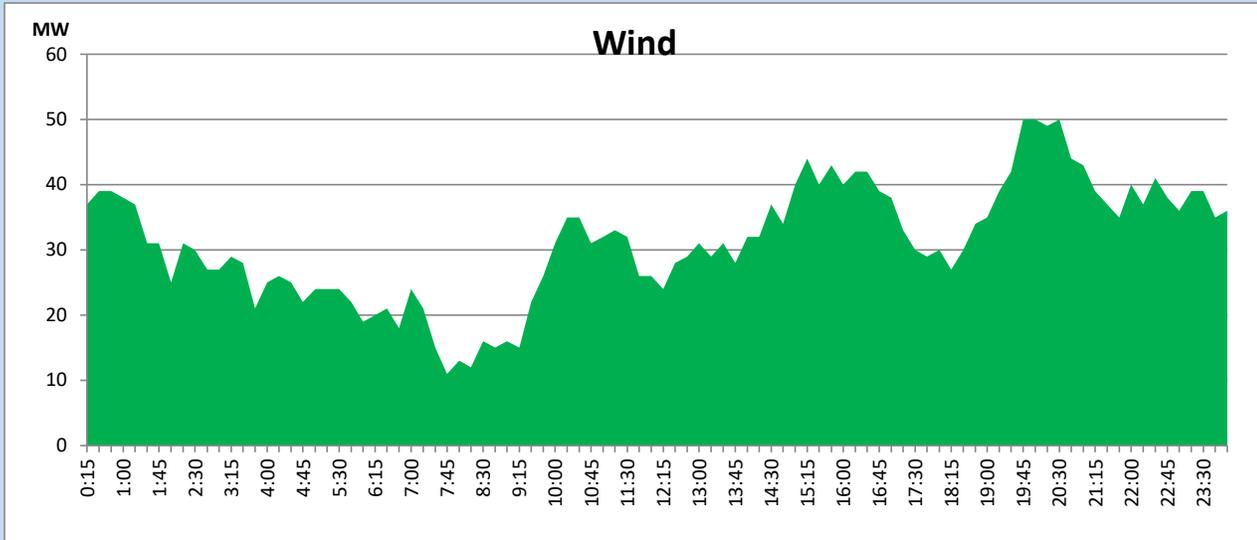




## Wind Generation during the Previous day

January 12, 2023

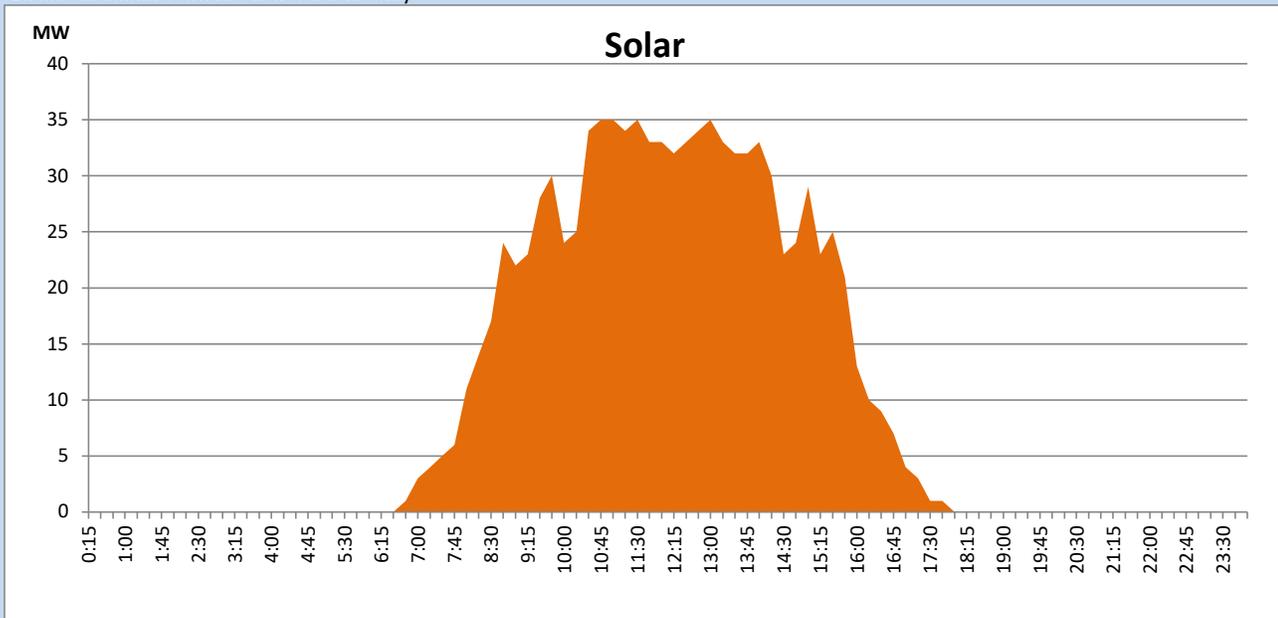
Based on Telemetered Power Stations only



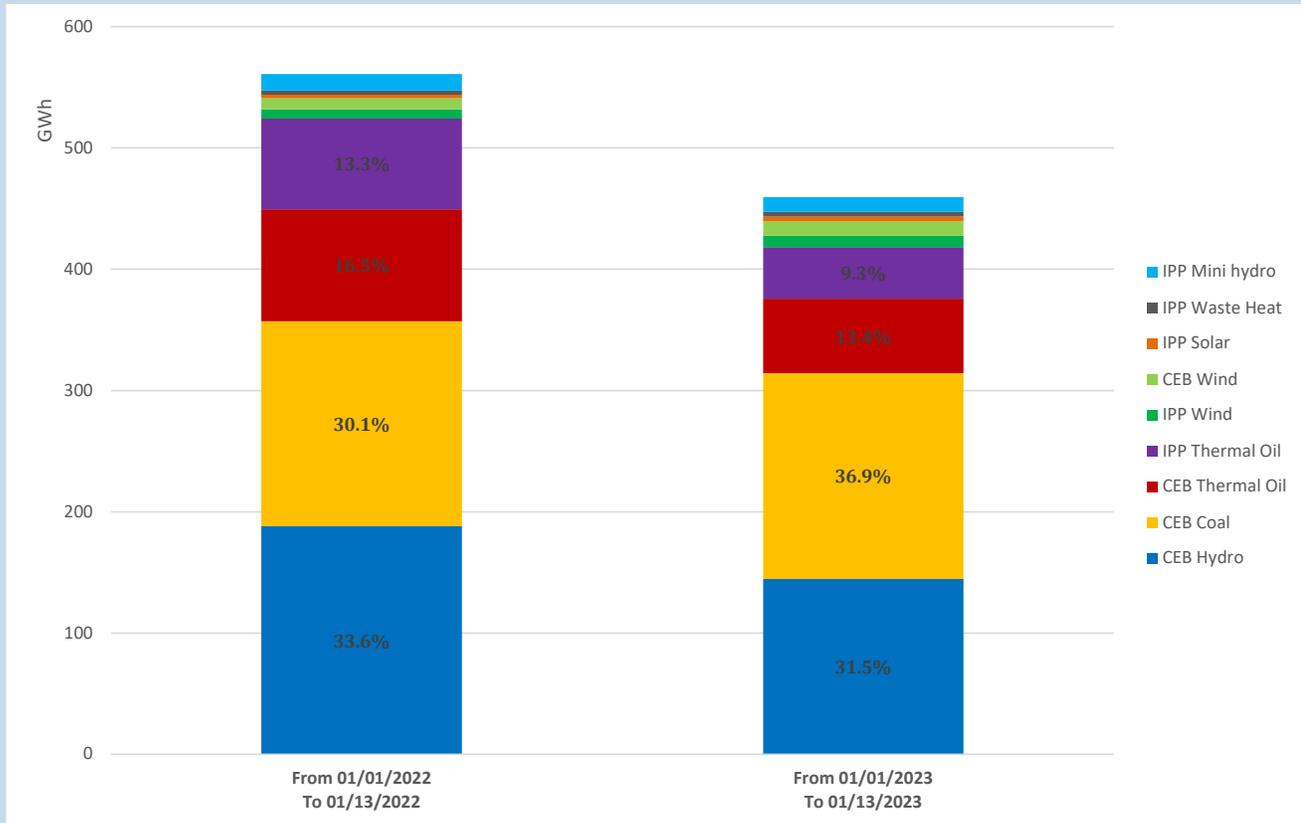
## Solar Generation during the Previous day

January 12, 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 13, 2023

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