

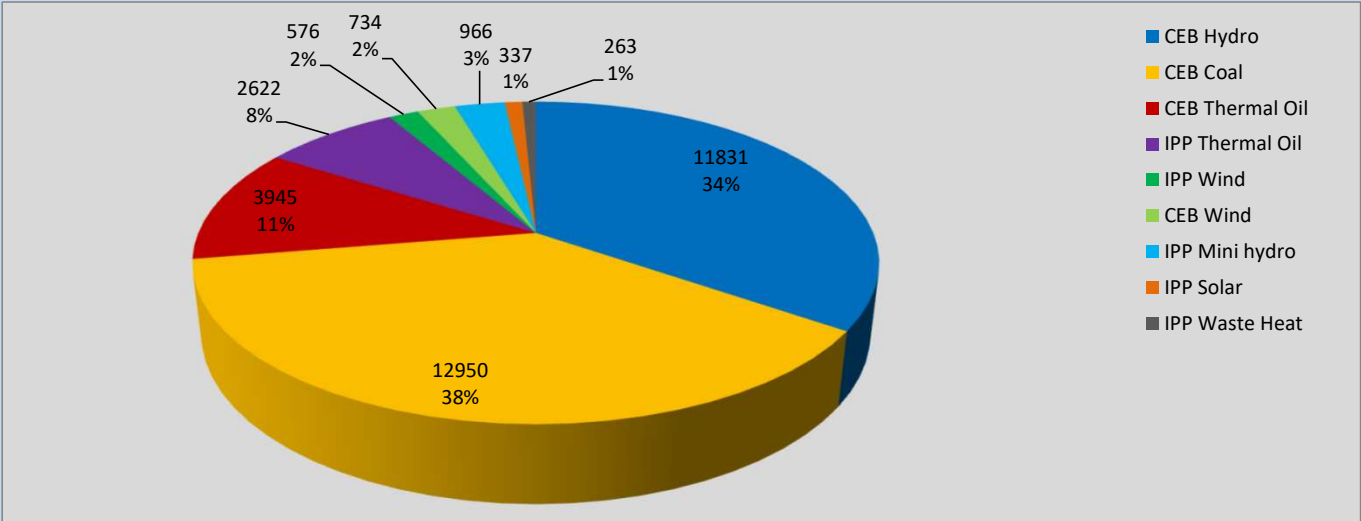
# Generation and Reservoirs Statistics

January 2, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation 34,224 MWh

(Excluding the contribution from Roof Top Solar, non telemetered Solar and certain Mini Hydro plants)

Cumulative Dispatch

For Current Month

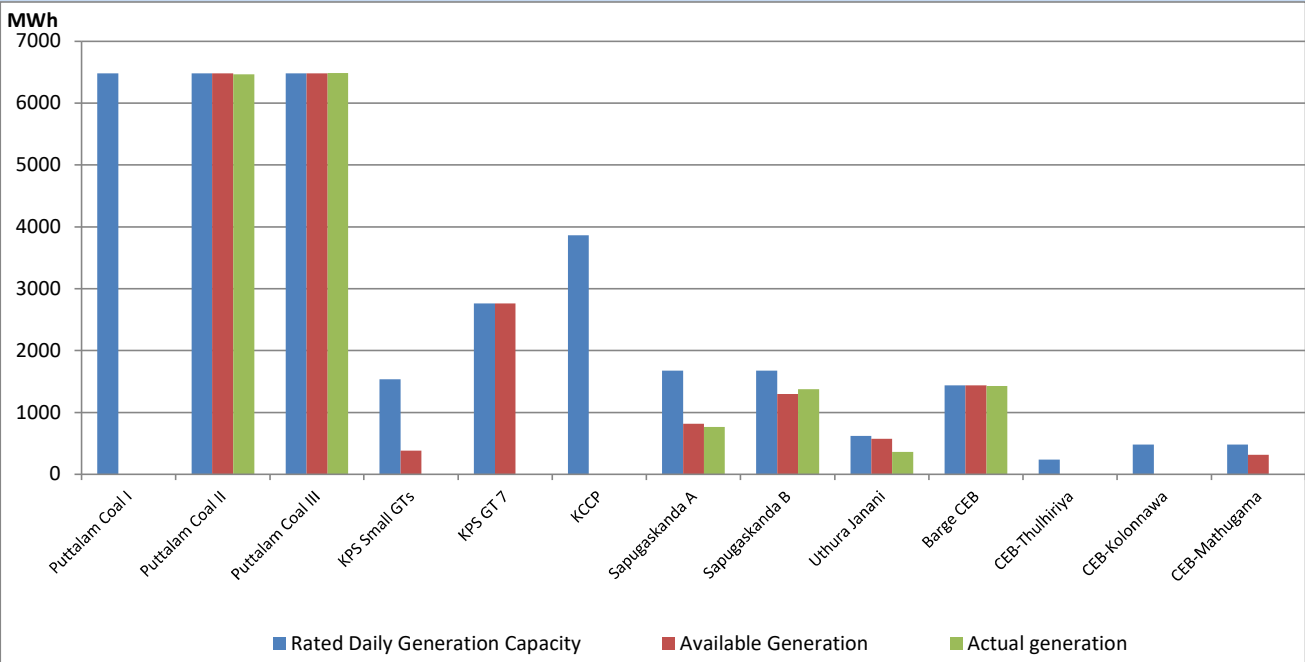
Category	Dispatch (GWh)	
CEB Hydro	22	34.17%
CEB Thermal Oil	8	11.72%
CEB Coal	27	41.73%
IPP Thermal	3	4.07%
SPP Wind	1	1.54%
CEB Wind	1	2.03%
SPP Solar	1	1.10%
SPP Solid Waste	0	0.59%
Mini Hydro	2	3.06%
Total	64	

For Current Year

Category	Dispatch (GWh)	
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CEB owned Thermal Plant Dispatch

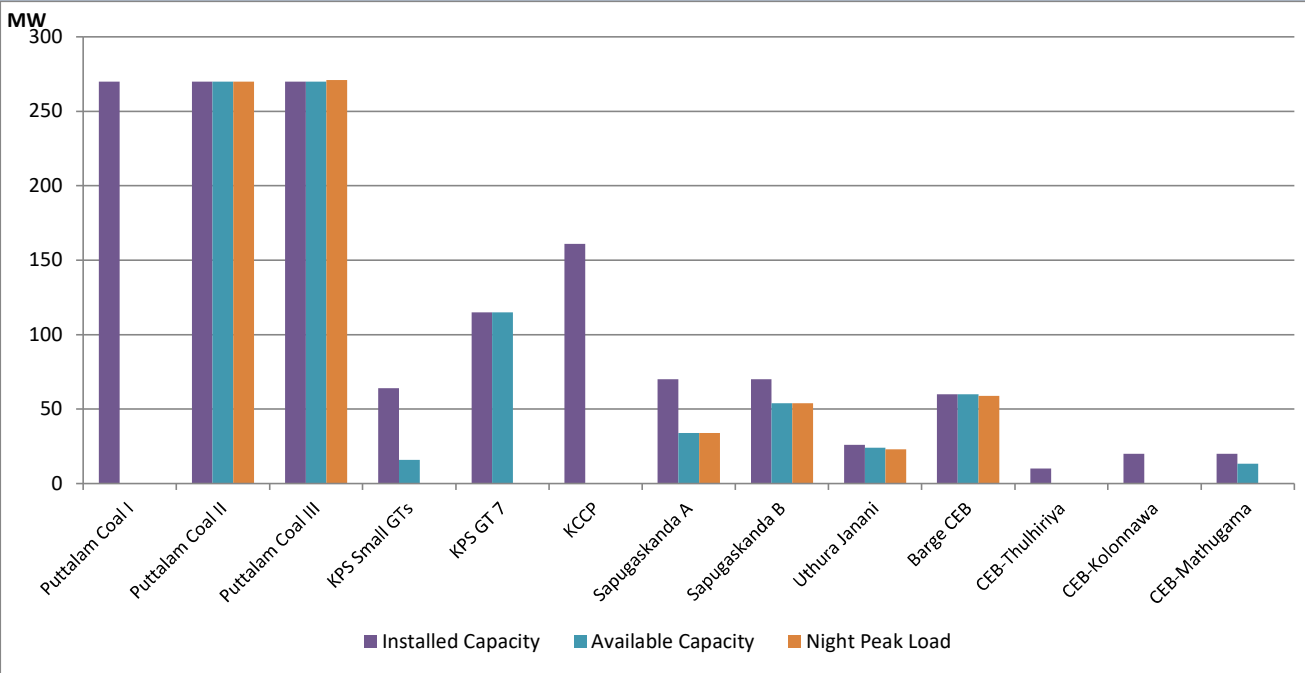
January 2, 2023



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

January 3, 2023

CEB owned Thermal Plant Loading at the Night Peak



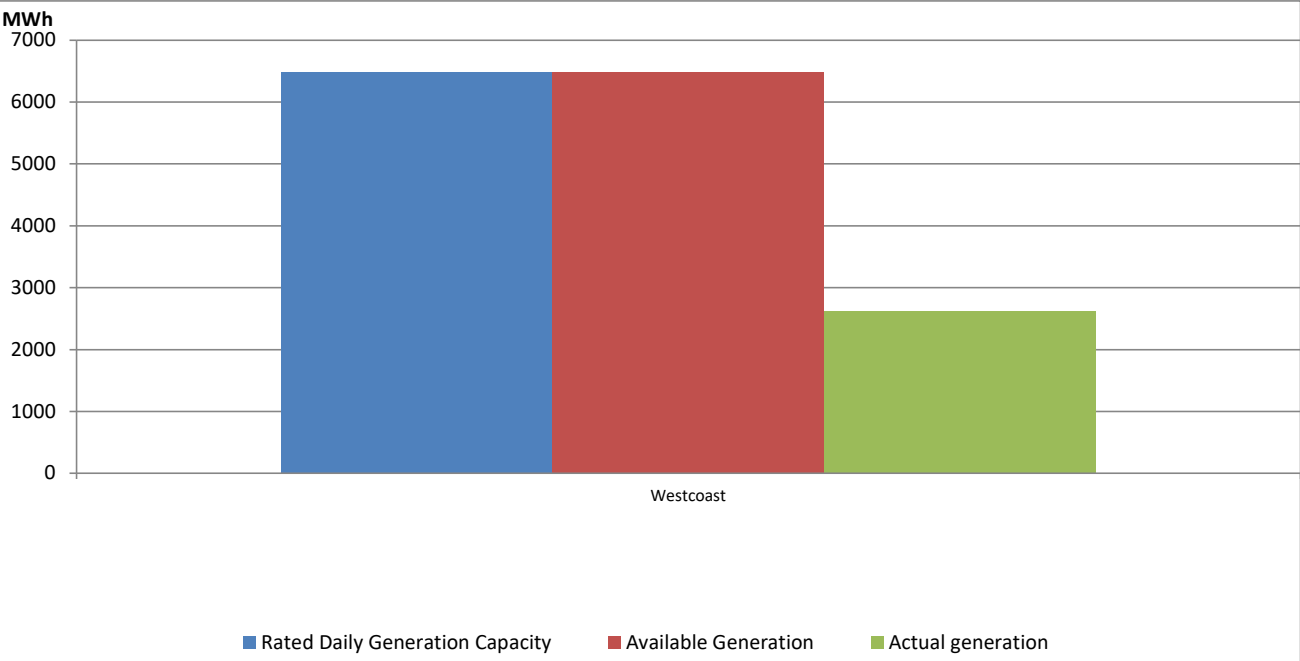
Note- Plant avilability is recorded at 6.00 am on

January 3, 2023

## IPP owned Thermal Plant Dispatch

January 2, 2023

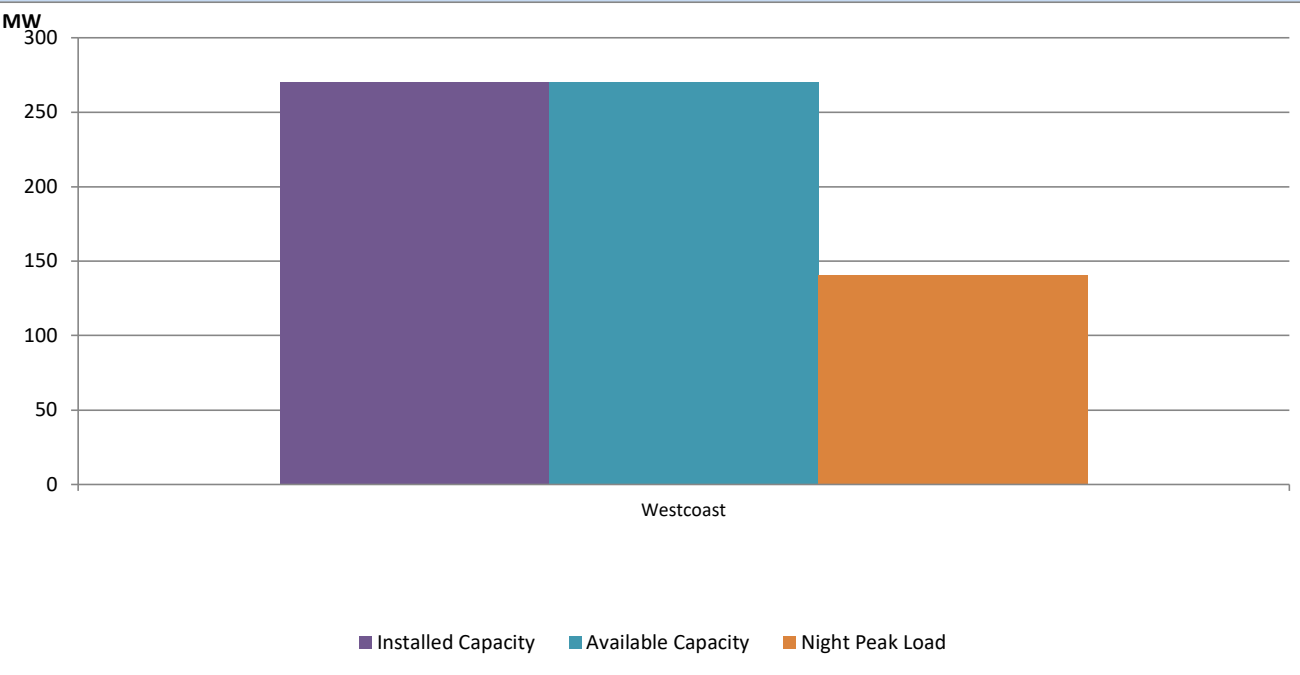
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena, Sojitz Kelanitissa and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

January 3, 2023

## IPP owned Thermal Plant Loading at the Night Peak

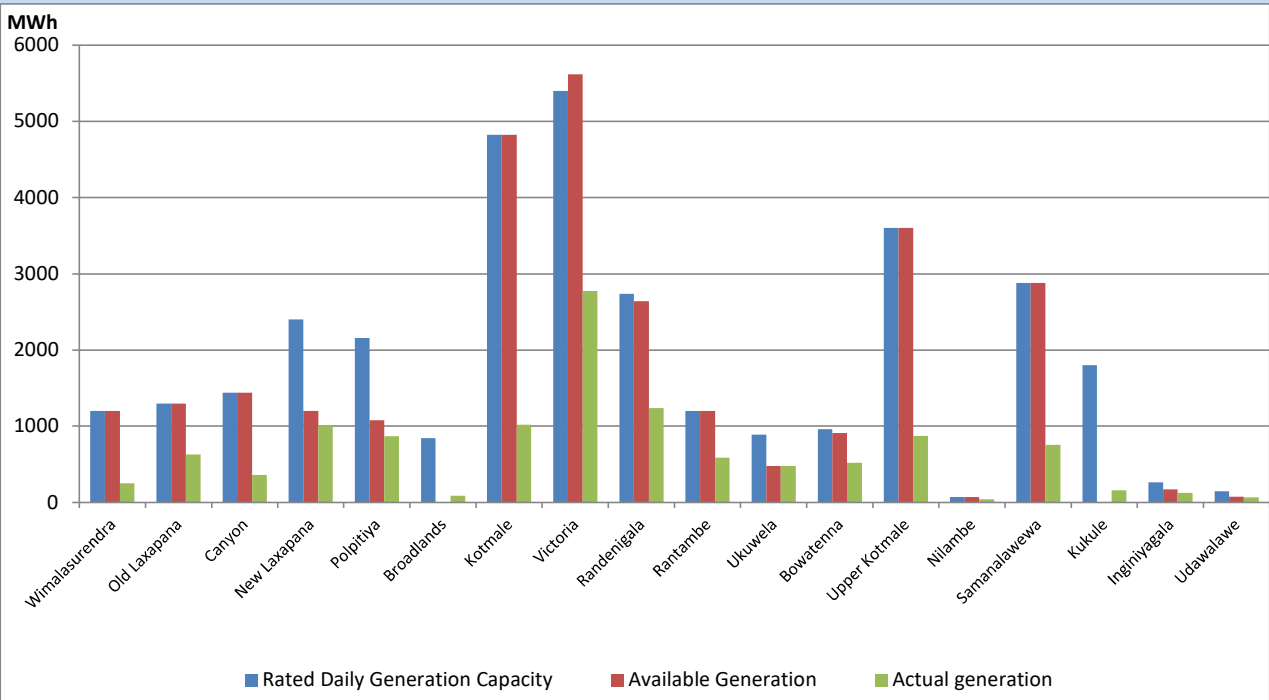


Note- Plant avilability is recorded at 6.00 am on

January 3, 2023

Major Hydro Plant Dispatch

January 2, 2023

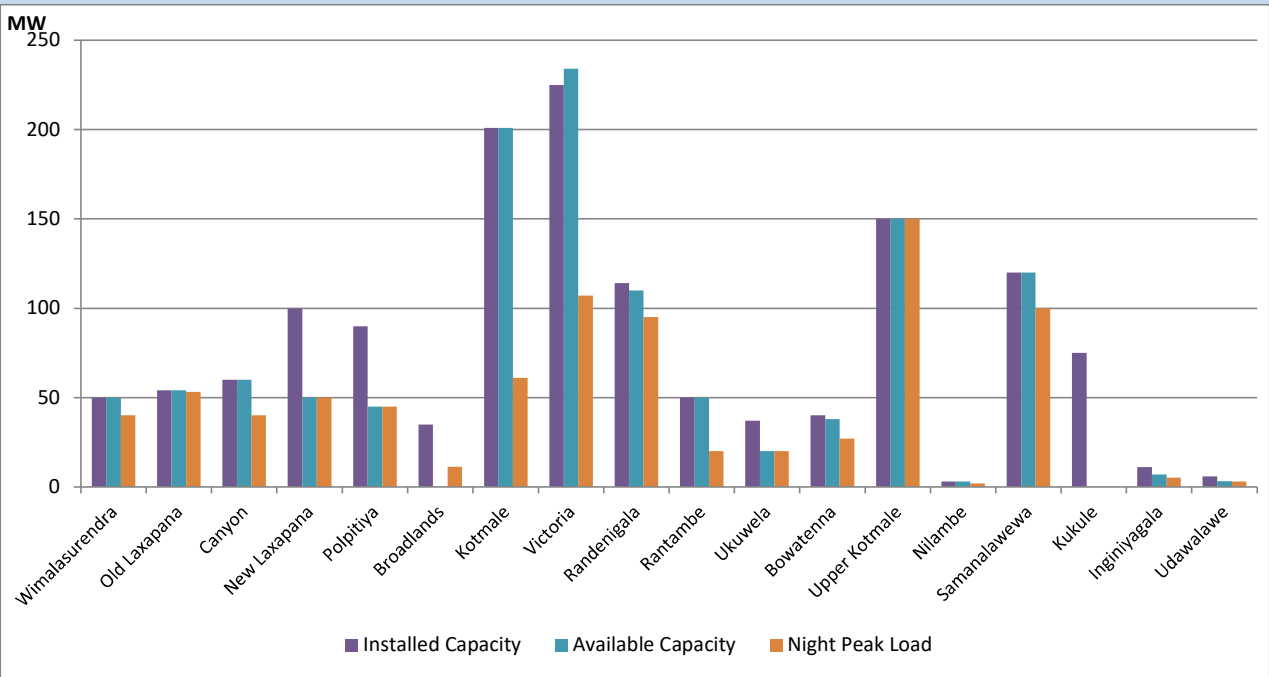


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 3, 2023

Major Hydro Plant Loading at Night Peak

January 2, 2023



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

January 3, 2023

## Summary of Major Plant performance

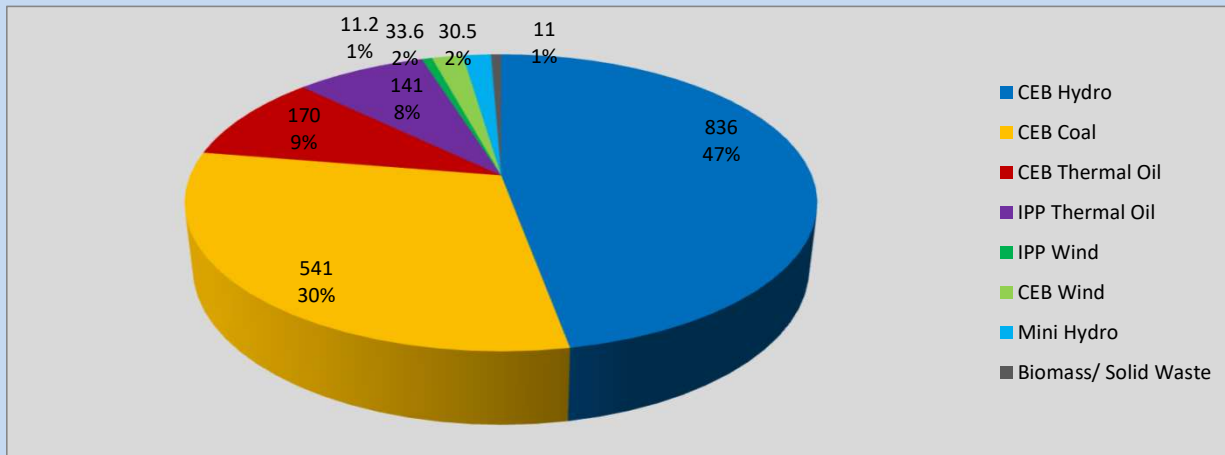
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	40	250
Old Laxapana	54	54	53	629
Canyon	60	60	40	359
New Laxapana	100	50	50	1,012
Polpitiya	90	45	45	864
Broadlands	35	0	11	90
Kotmale	201	201	61	1,020
Victoria	225	234	107	2,777
Randenigala	114	110	95	1,240
Rantambe	50	50	20	588
Ukuwela	37	20	20	476
Bowatenna	40	38	27	516
Upper Kotmale	150	150	150	873
Nilambe	3	3	2	38
Samanalawewa	120	120	100	755
Kukule	75	0	0	159
Inginiyagala	11	7	5	122
Udawalawe	6	3	3	63
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,463
Puttalam Coal III	270	270	271	6,487
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	34	34	770
Sapugaskanda B	70	54	54	1,378
Uthura Janani	26	24	23	365
Barge CEB	60	60	59	1,432
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	141	2,622
ACE Embilipitiya	93	0	0	0
Total	3,397	2,321	1,768	34,224

Plant availability is the availability recorded at 6 am on

January 3, 2023

## Contribution to the Night Peak in MW

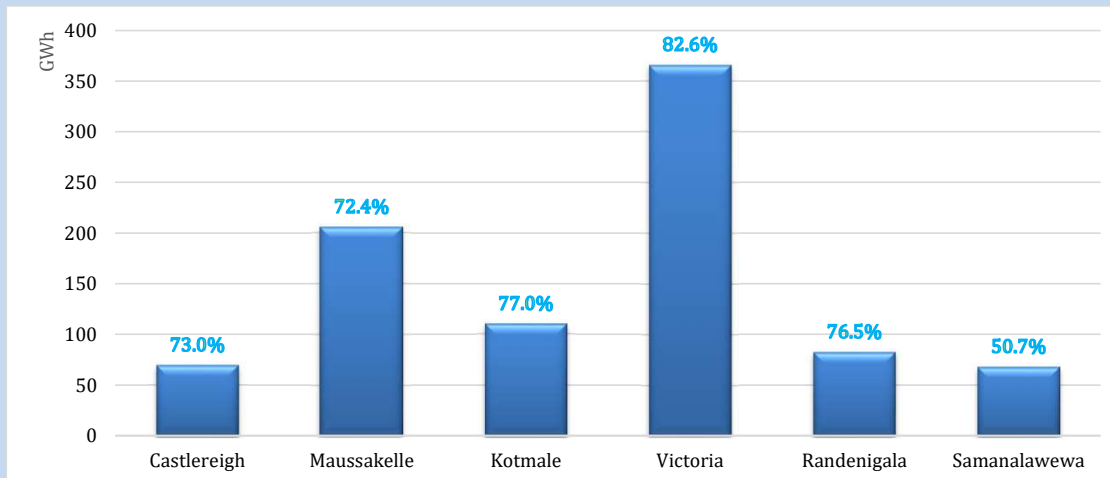
January 2, 2023



Night Peak\* 1,773.9 MW  
 Day Peak 1,620.8 MW  
 Minimum Demand 987.1 MW

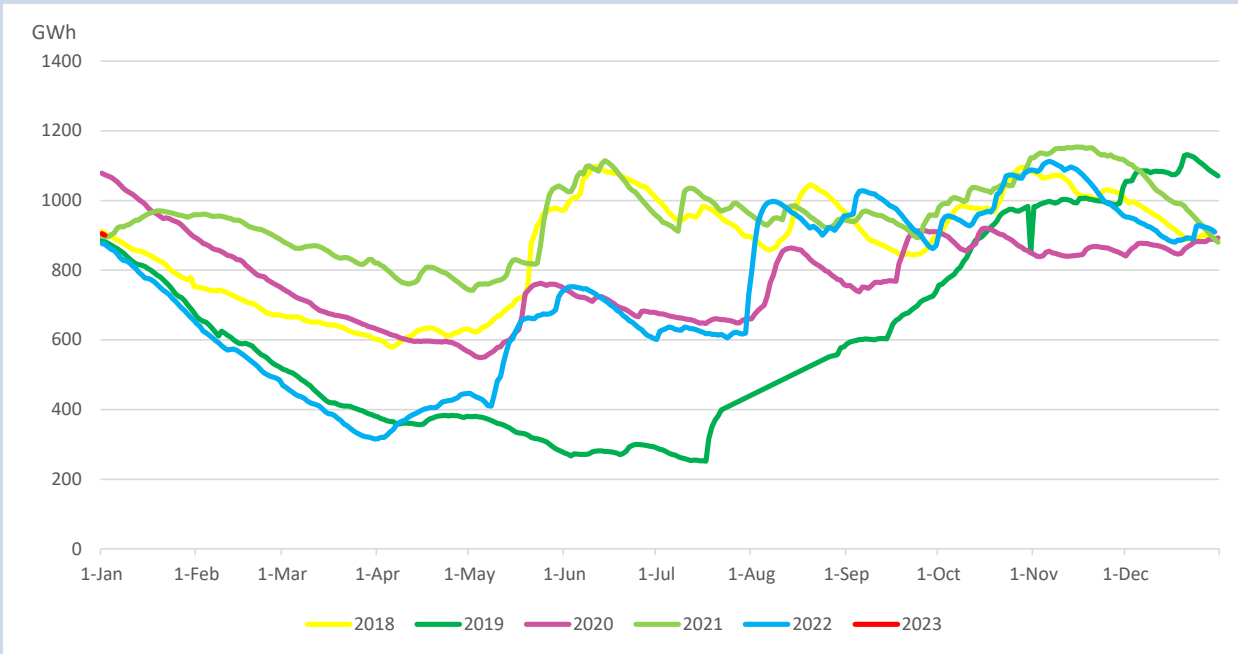
Above figures are excluding contribution from Roof Top Solar, non telemetered Solar and certain Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on January 3, 2023

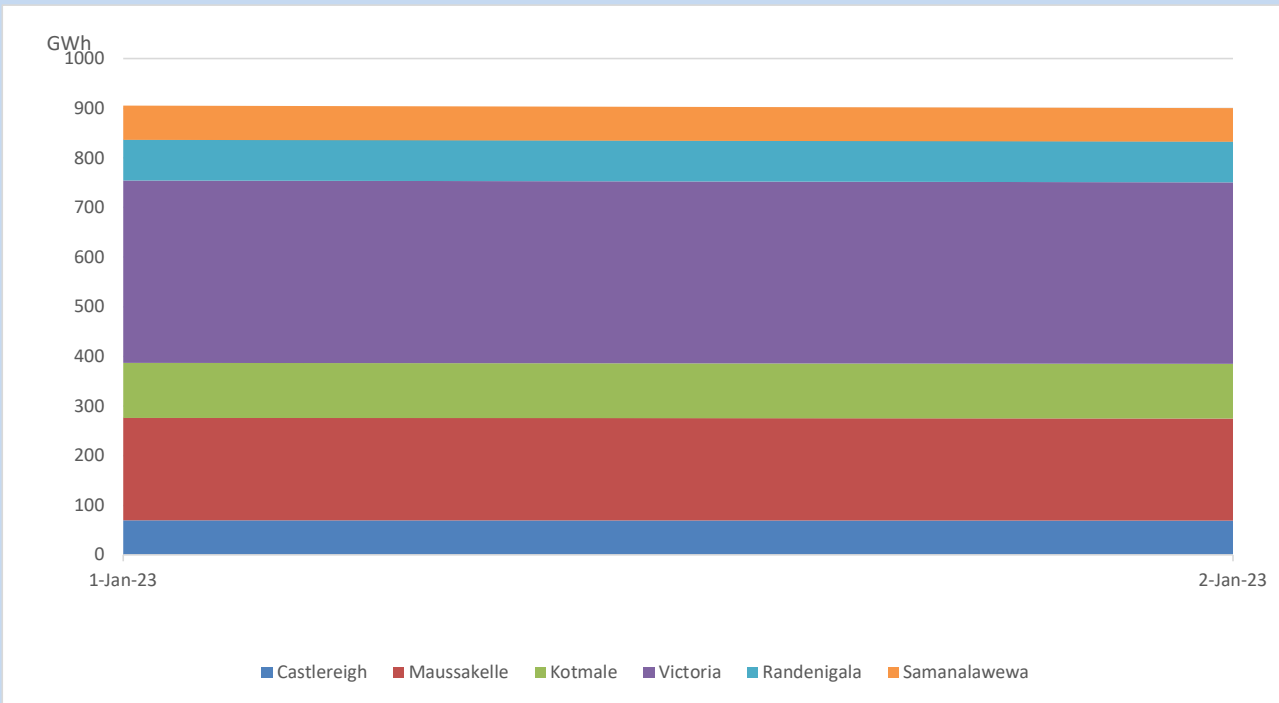


Total Reservoir Level 900.3 GWh  
 % of Total capacity 74.7%

## Comparison of Total Reservoir Storage Levels with Past Years

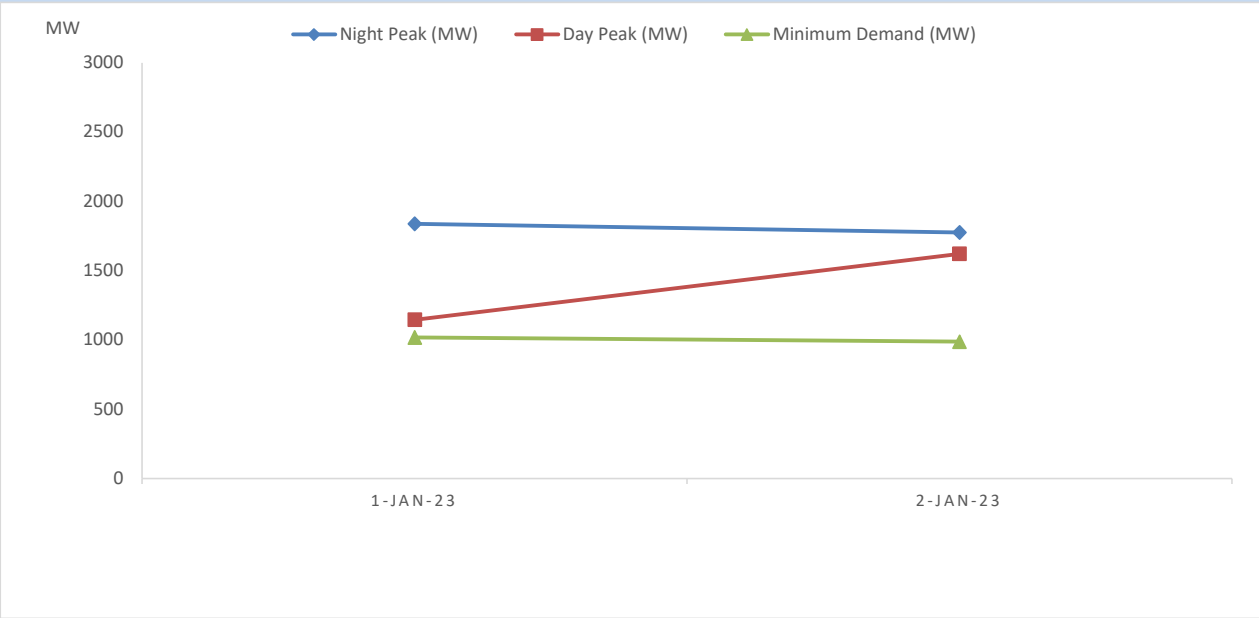


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

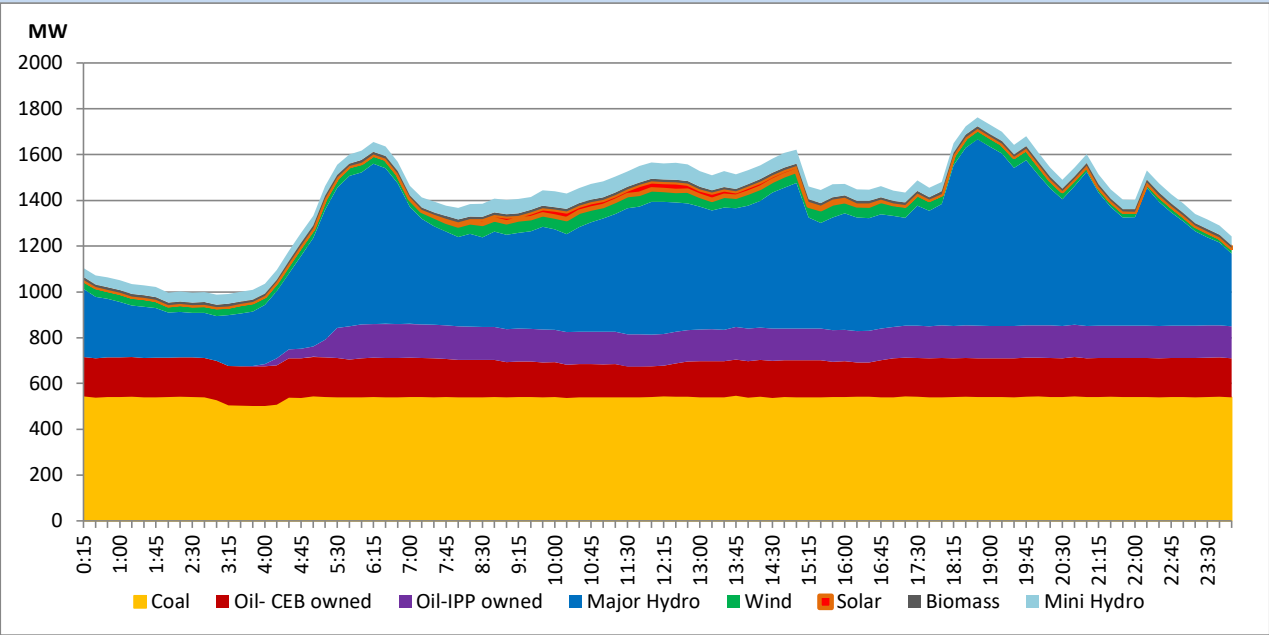


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

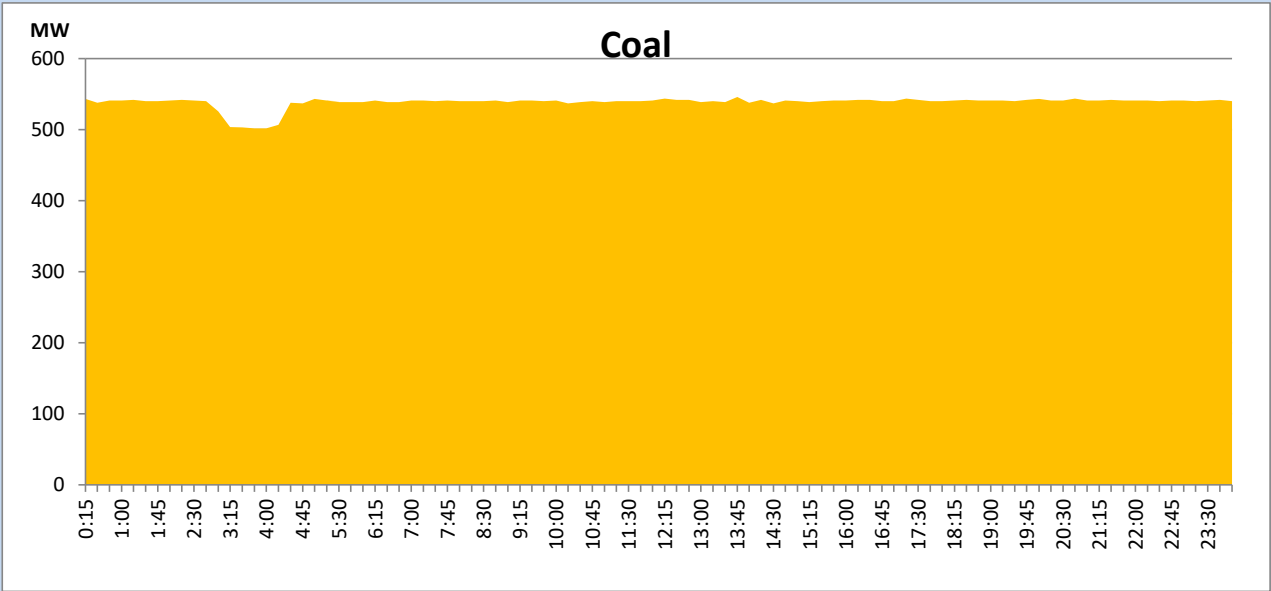
January 1, 2023

Solar and wind data is based on Telemetered Power Stations only



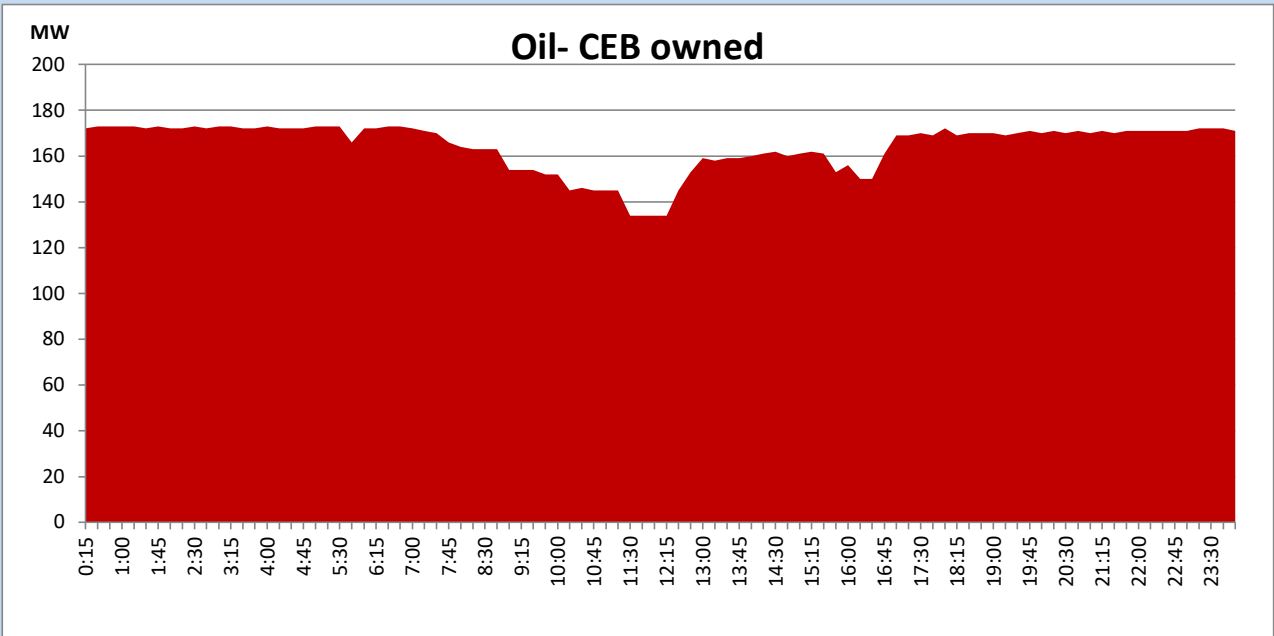
Coal Generation during the Previous day

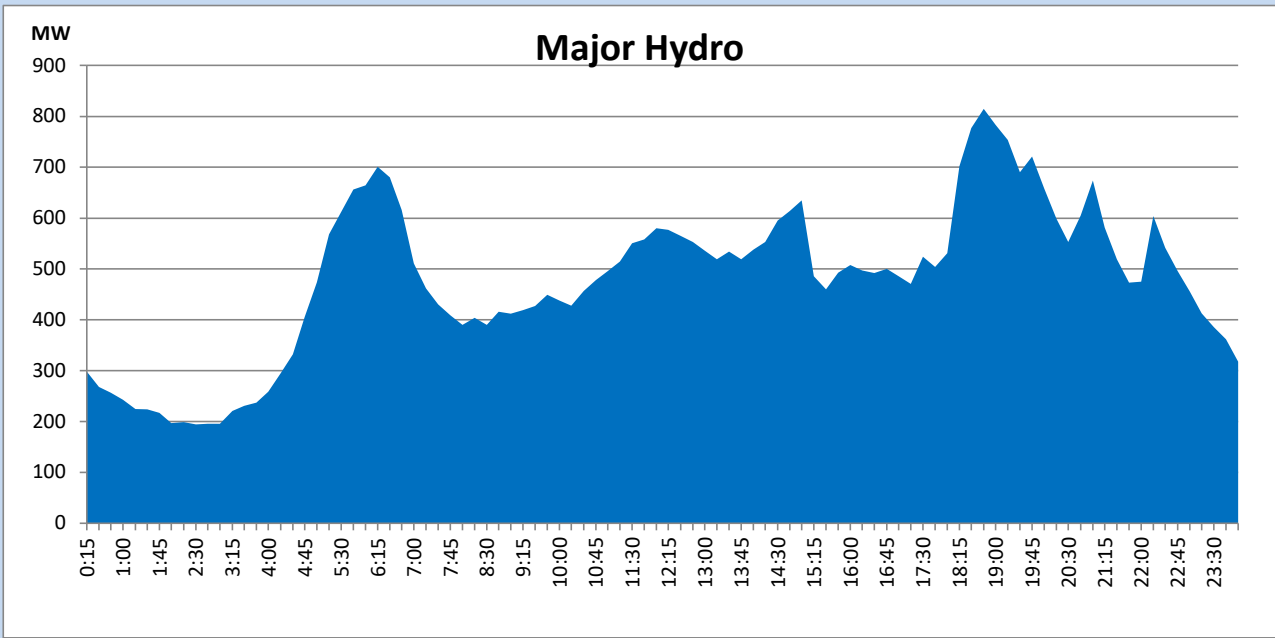
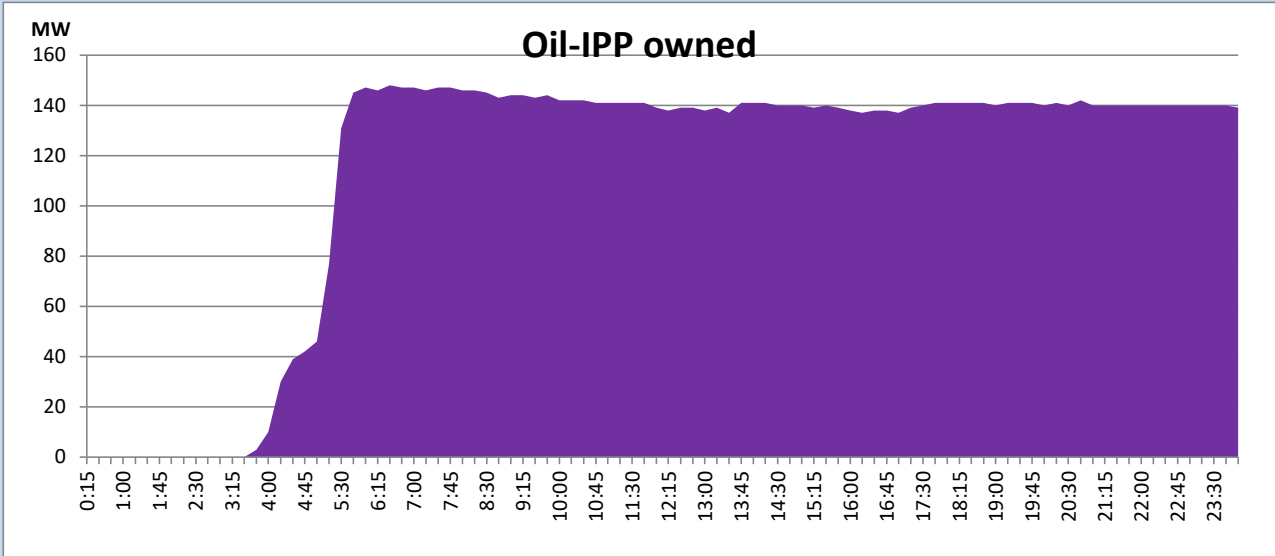
January 1, 2023



CEB Oil Plant Generation during the Previous day

January 1, 2023

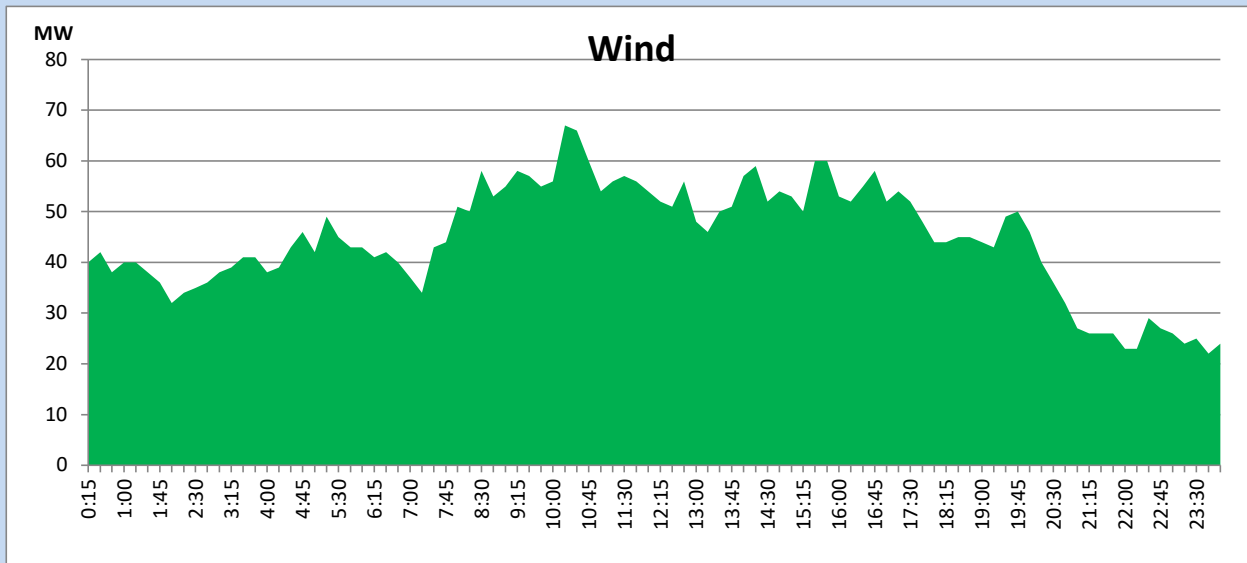




## Wind Generation during the Previous day

January 1, 2023

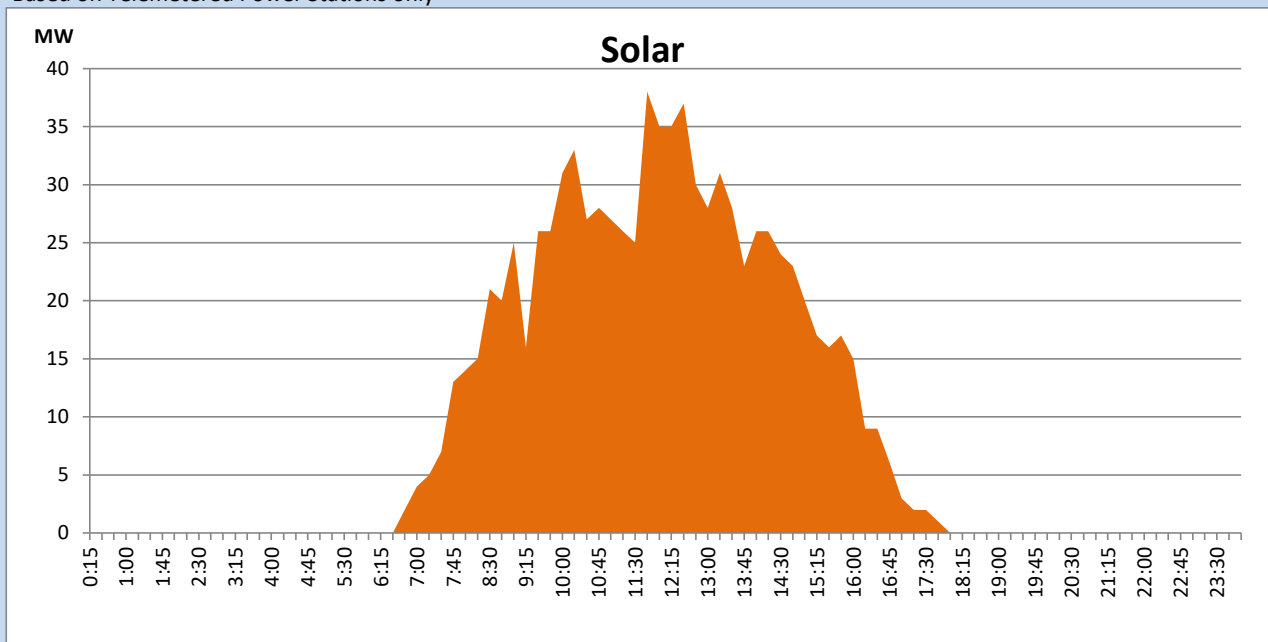
Based on Telemetered Power Stations only



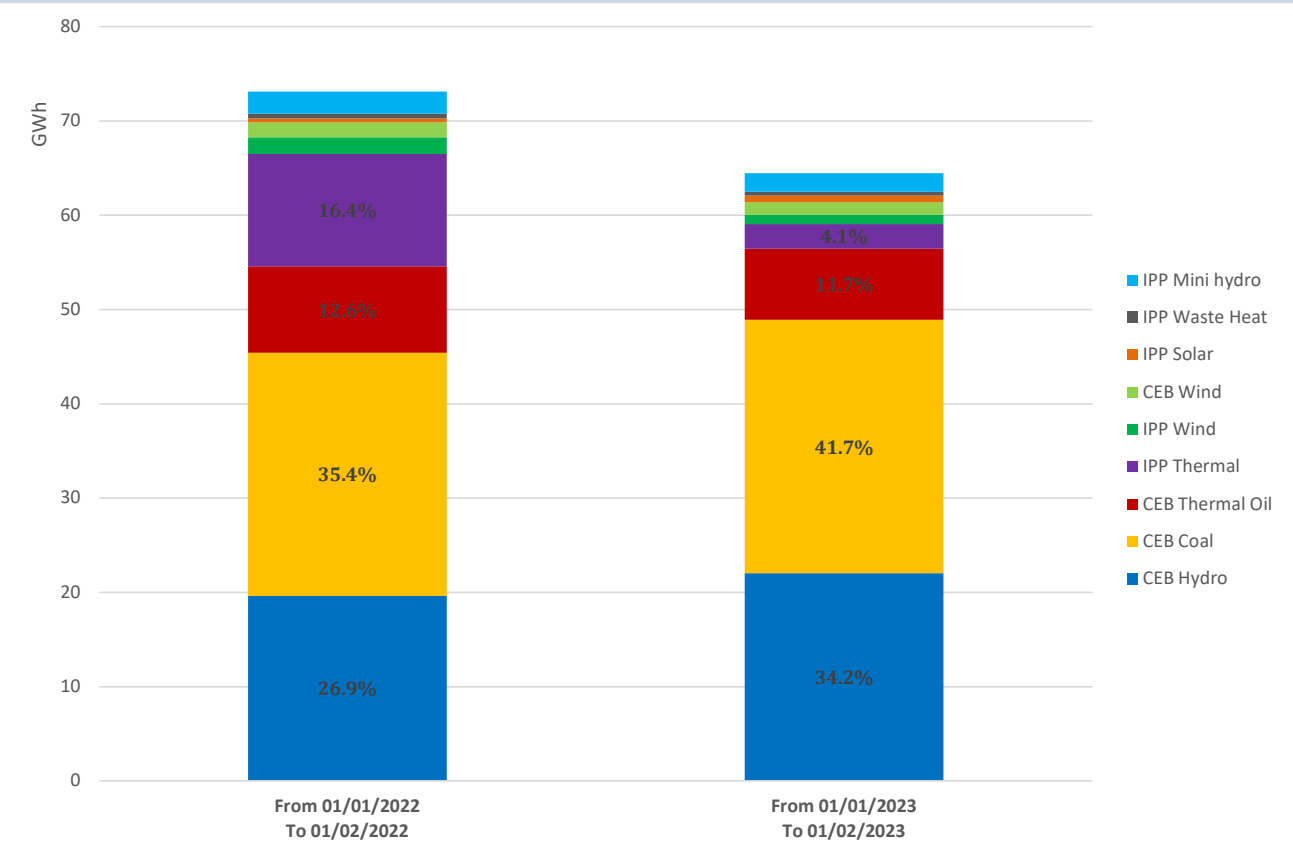
## Solar Generation during the Previous day

January 1, 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	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Auto Diesel / Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

**Major incidents reported during the day****January 2, 2023**

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) Matara-Beliatta 132kV cct tripped from Matara end and tripped & AR from Beliatta end at 06:06hrs due to the operation of distance protection.