

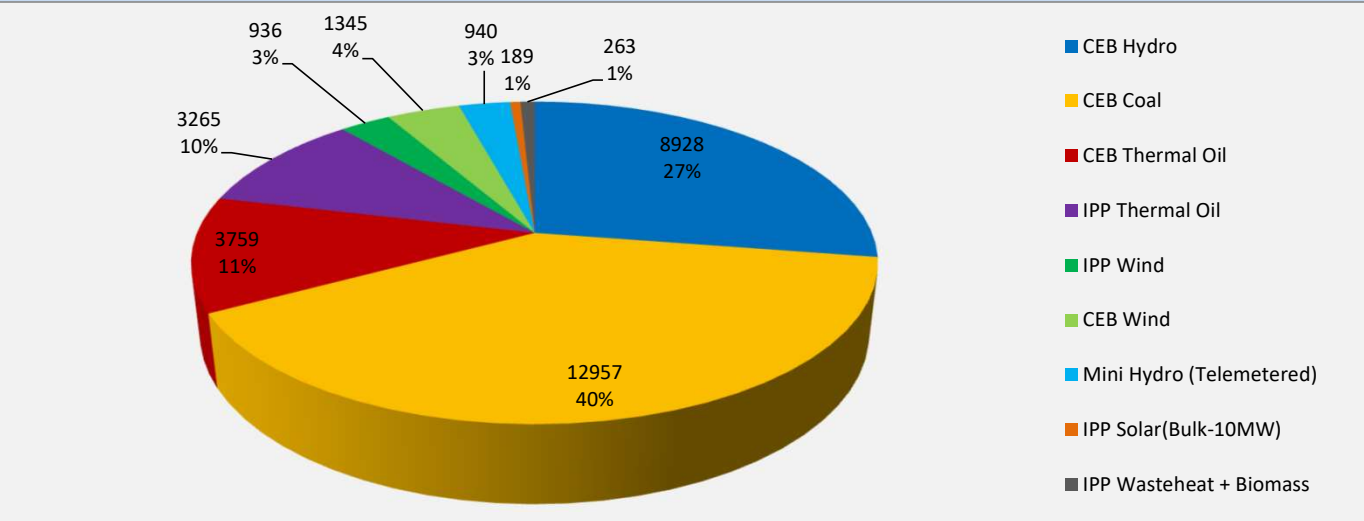
# Generation and Reservoirs Statistics

January 6, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding Estimated figures) 32,590 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.85 GWh  
Estimated Mini Hydro (Non telemetered) = 1580 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

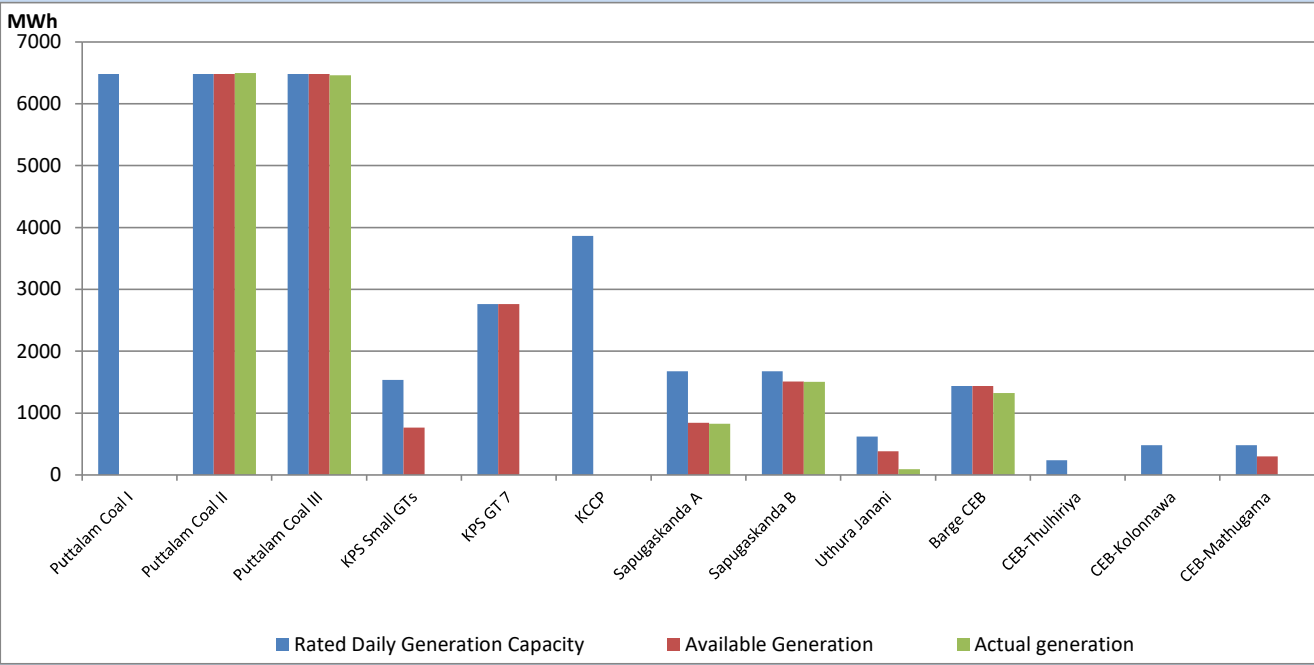
Category	Dispatch (GWh)	
CEB Hydro	66	31.51%
CEB Thermal Oil	23	10.92%
CEB Coal	79	37.35%
IPP Thermal	24	11.43%
SPP Wind	4	1.97%
CEB Wind	6	2.61%
SPP Solar	2	0.88%
SPP Solid Waste	1	0.69%
Mini Hydro (Telemetered)	6	2.64%
Total	211	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	66	31.51%
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CEB owned Thermal Plant Dispatch

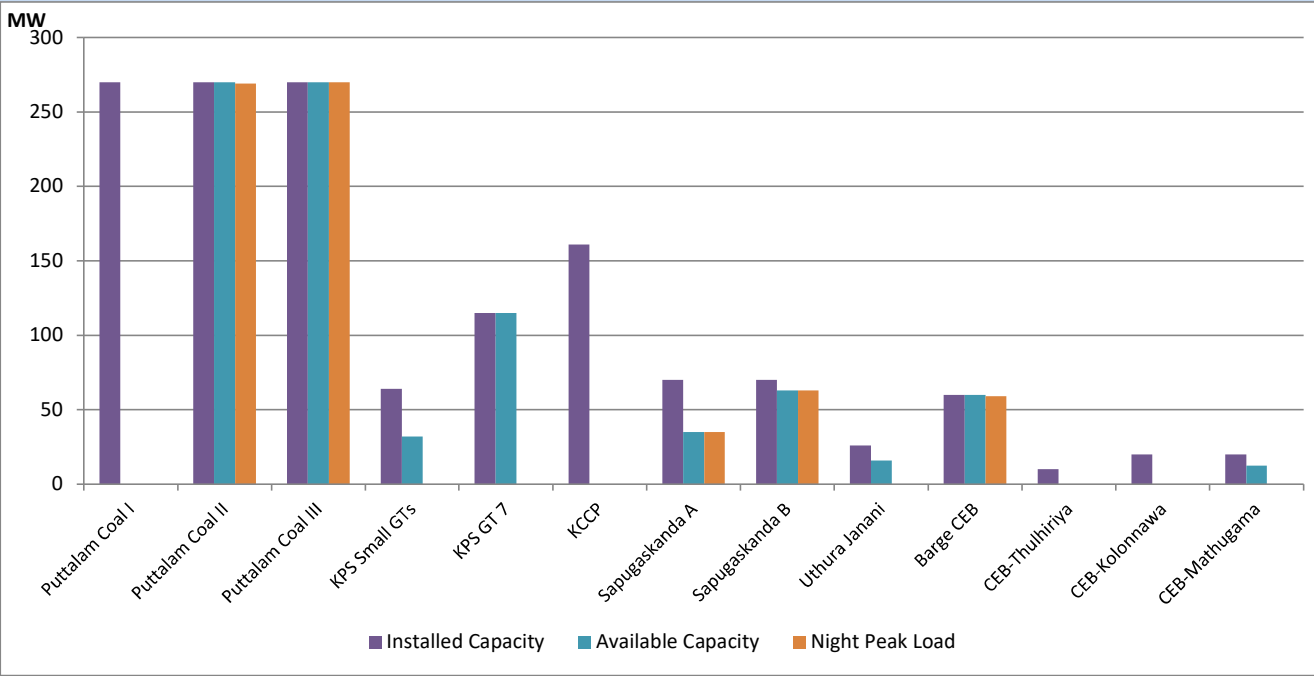
January 6, 2023



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

January 7, 2023

CEB owned Thermal Plant Loading at the Night Peak



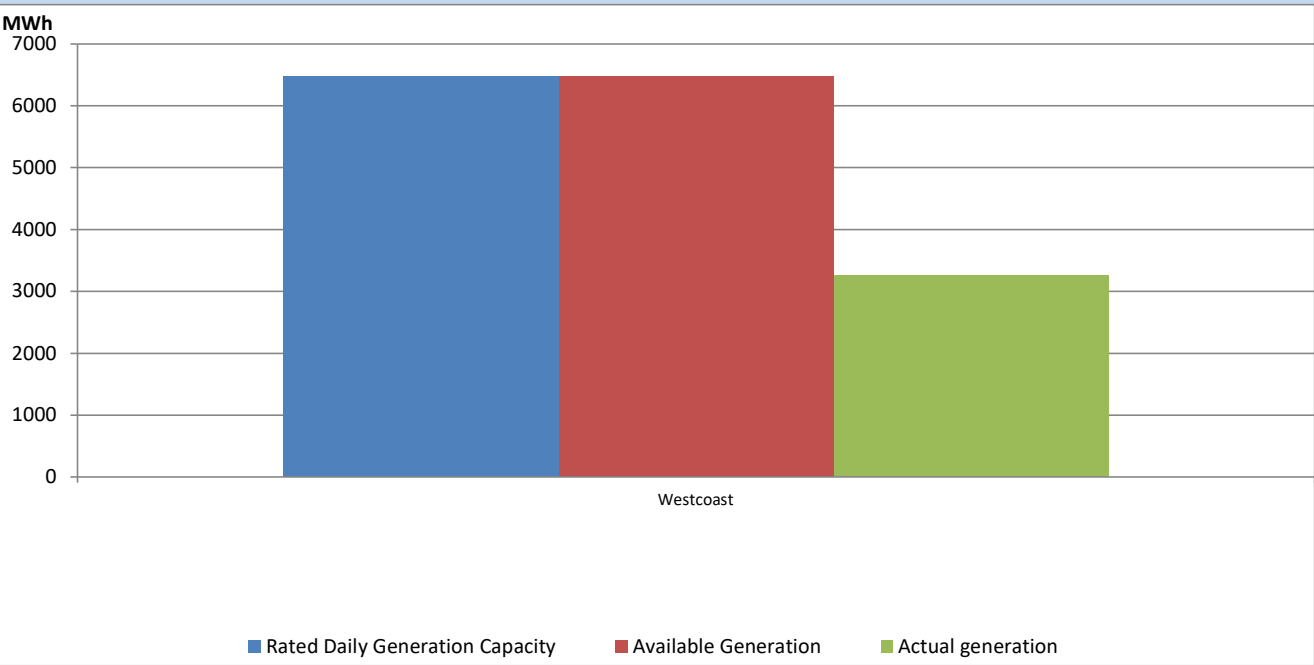
Note- Plant avilability is recorded at 6.00 am on

January 7, 2023

## IPP owned Thermal Plant Dispatch

January 6, 2023

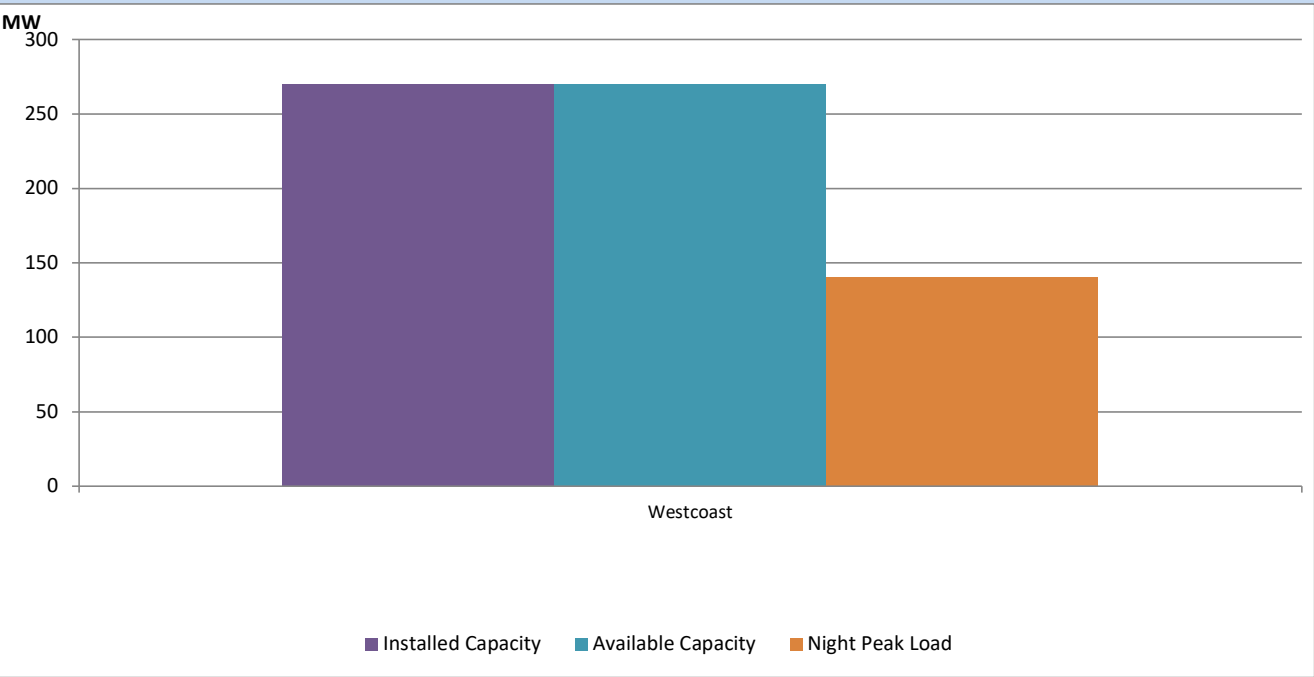
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena,Sogitz Kelanitissa and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

January 7, 2023

## IPP owned Thermal Plant Loading at the Night Peak

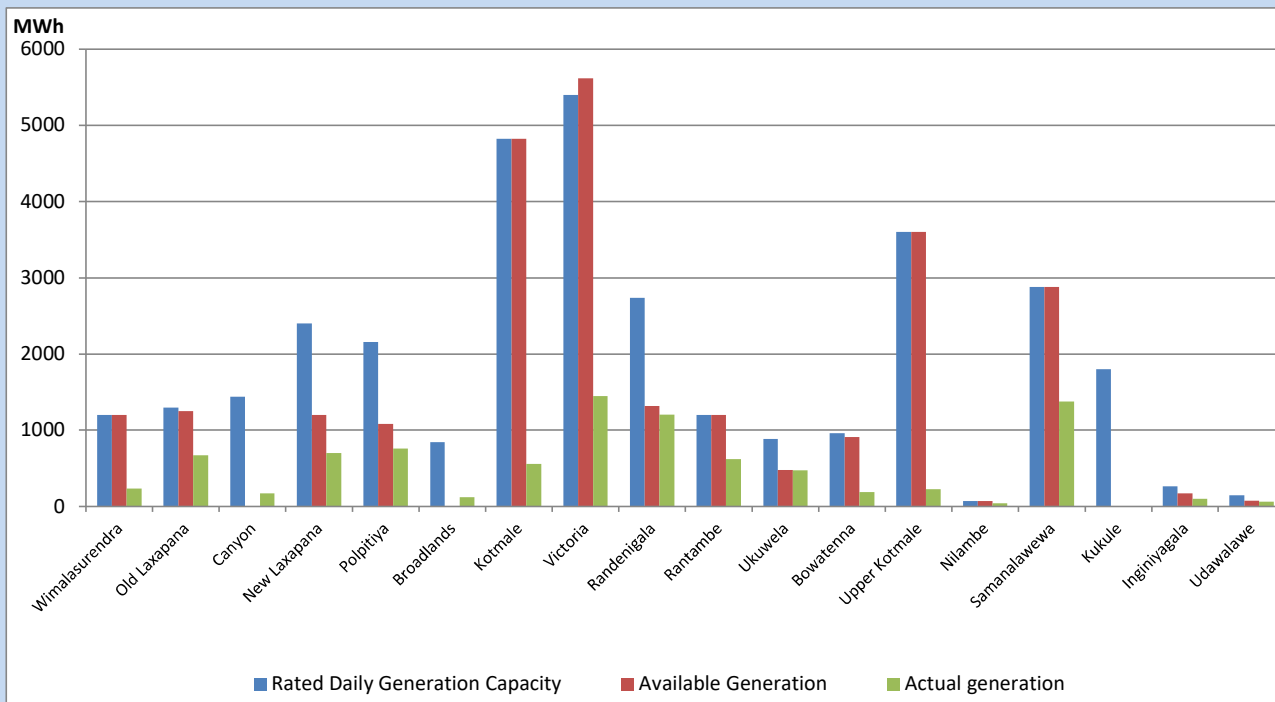


Note- Plant avilability is recorded at 6.00 am on

January 7, 2023

## Major Hydro Plant Dispatch

January 6, 2023

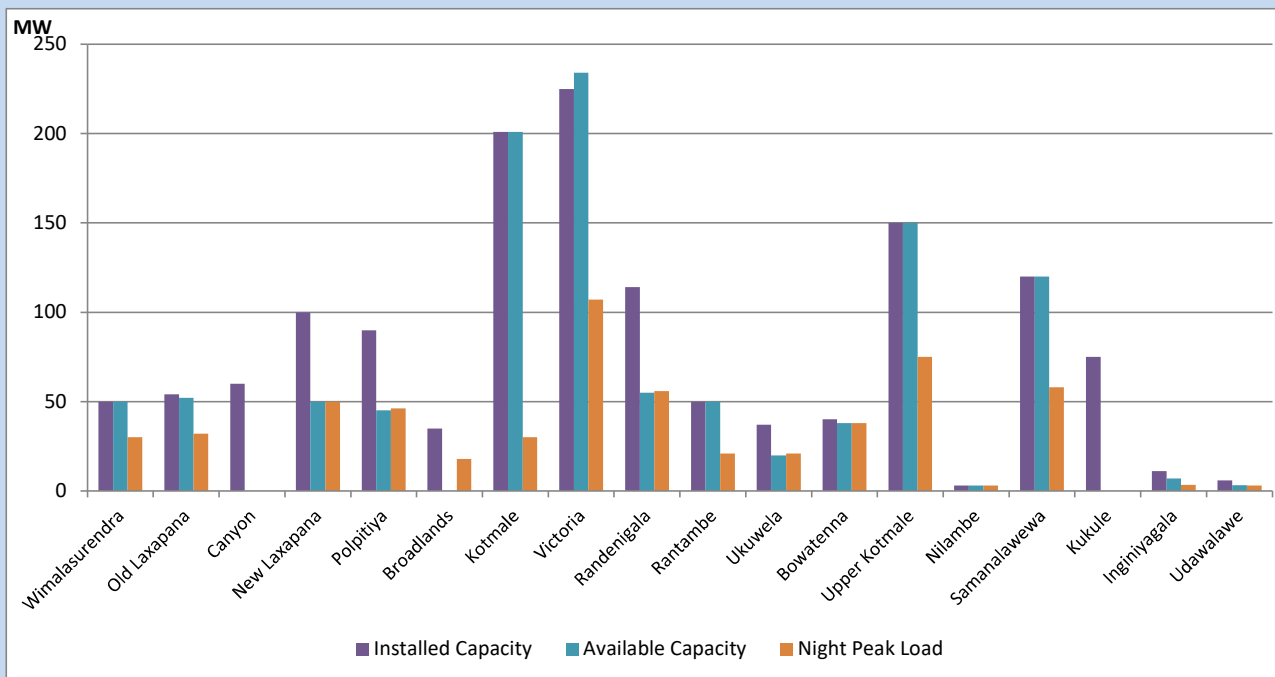


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 7, 2023

## Major Hydro Plant Loading at Night Peak

January 6, 2023



Note- Plant availability is recorded at 6.00 am on

January 7, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

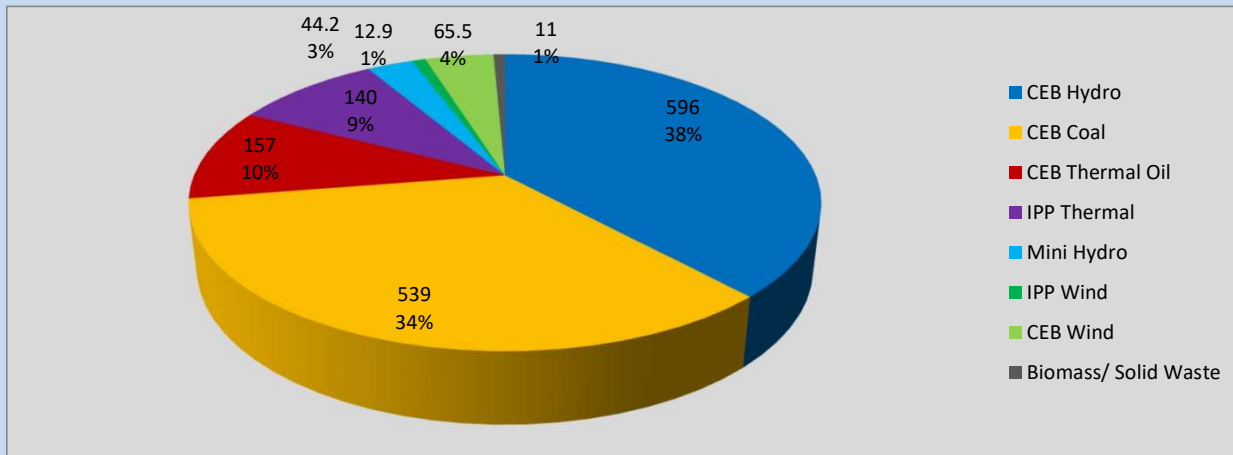
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	234
Old Laxapana	54	52	32	669
Canyon	60	0	0	168
New Laxapana	100	50	50	698
Polpitiya	90	45	46	756
Broadlands	35	0	18	118
Kotmale	201	201	30	560
Victoria	225	234	107	1,447
Randenigala	114	55	56	1,202
Rantambe	50	50	21	617
Ukuwela	37	20	21	473
Bowatenna	40	38	38	188
Upper Kotmale	150	150	75	223
Nilambe	3	3	3	38
Samanalawewa	120	120	58	1,376
Kukule	75	0	0	0
Inginiyagala	11	7	3	100
Udawalawe	6	3	3	61
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,496
Puttalam Coal III	270	270	270	6,461
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	35	35	830
Sapugaskanda B	70	63	63	1,507
Uthura Janani	26	16	0	96
Barge CEB	60	60	59	1,326
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	140	3,265
ACE Embilipitiya	93	0	0	0
Total	3,397	2,222	1,561	32,582

Plant availability is the availability recorded at 6 am on

January 7, 2023

## Contribution to the Night Peak in MW

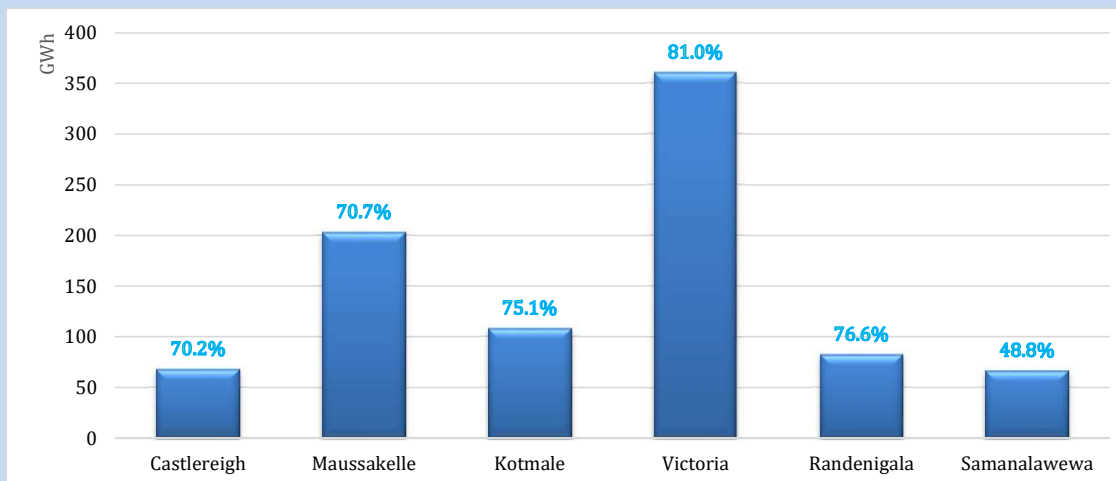
January 6, 2023



Night Peak\* 1,566.0 MW  
 Day Peak 1,402.3 MW  
 Minimum Demand 1,188.2 MW

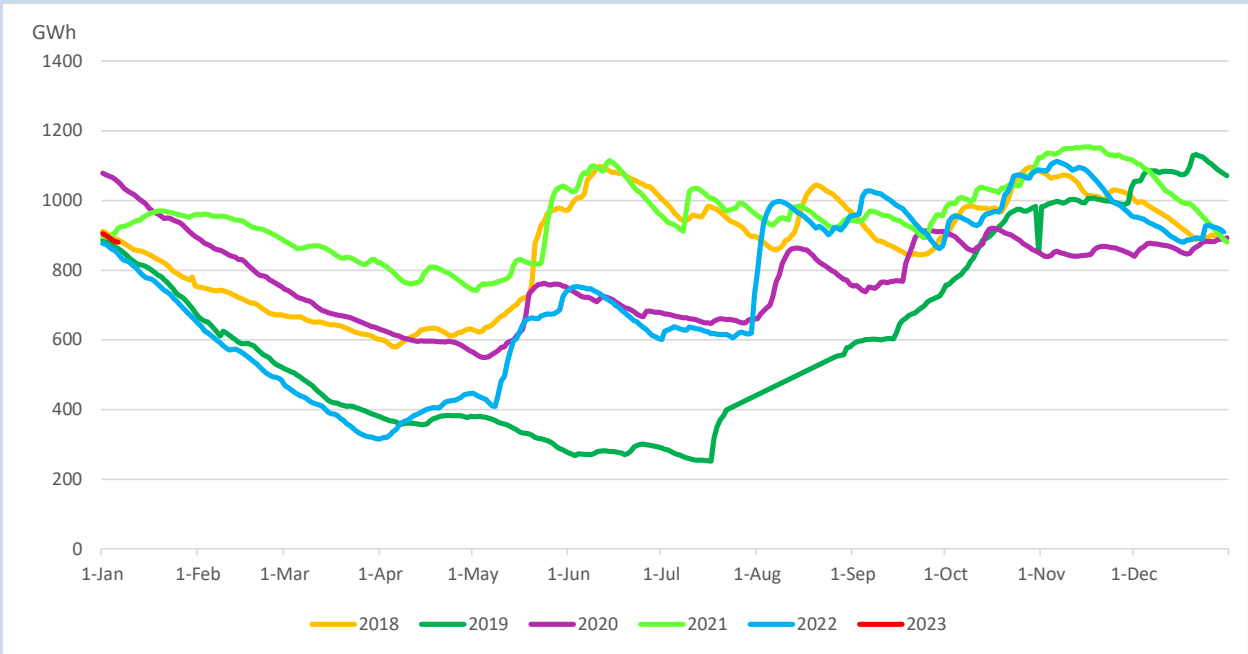
Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Reservoir Levels - as at 06.00 Hr on January 7, 2023

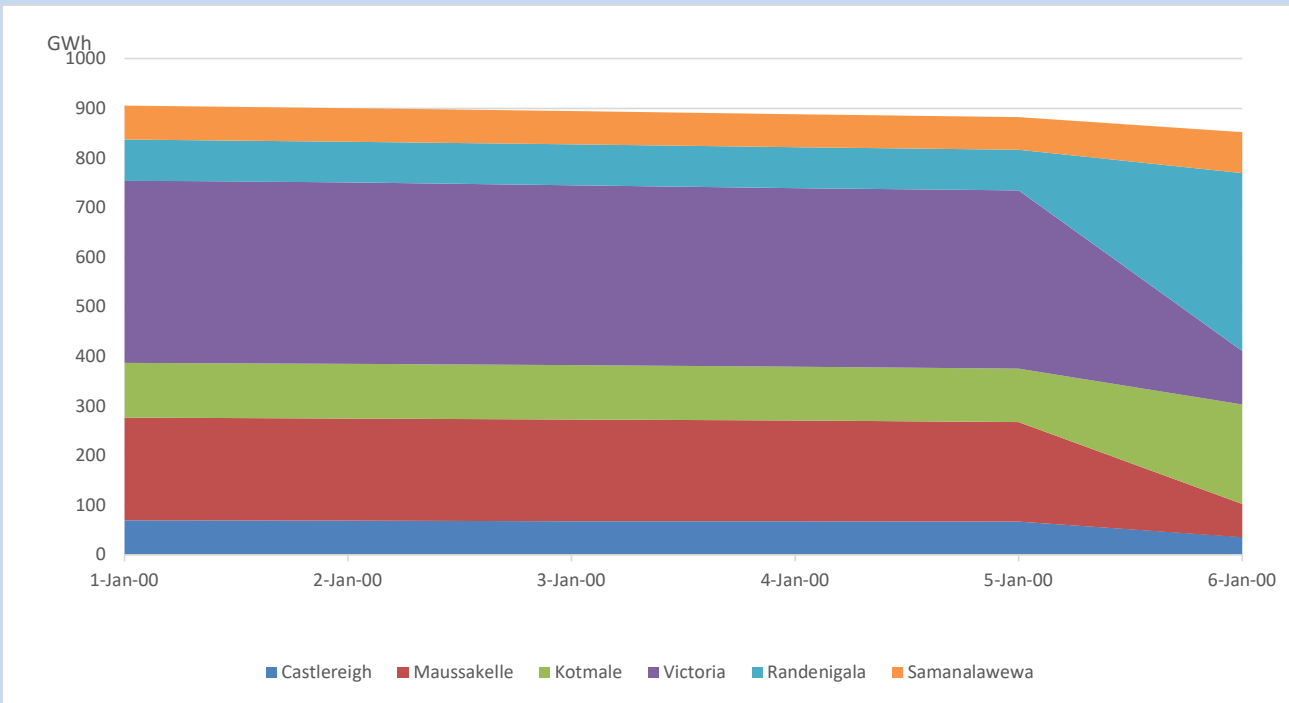


Total Reservoir Level 880.5 GWh  
 % of Total capacity 73.1%

## Comparison of Total Reservoir Storage Levels with Past Years

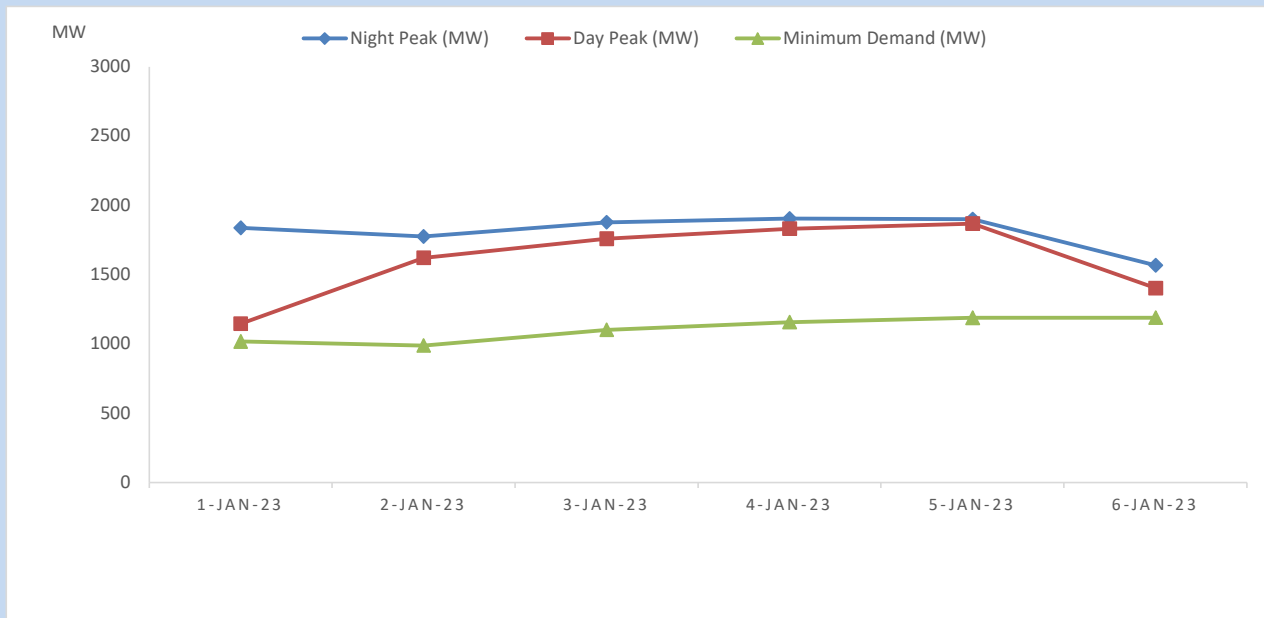


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

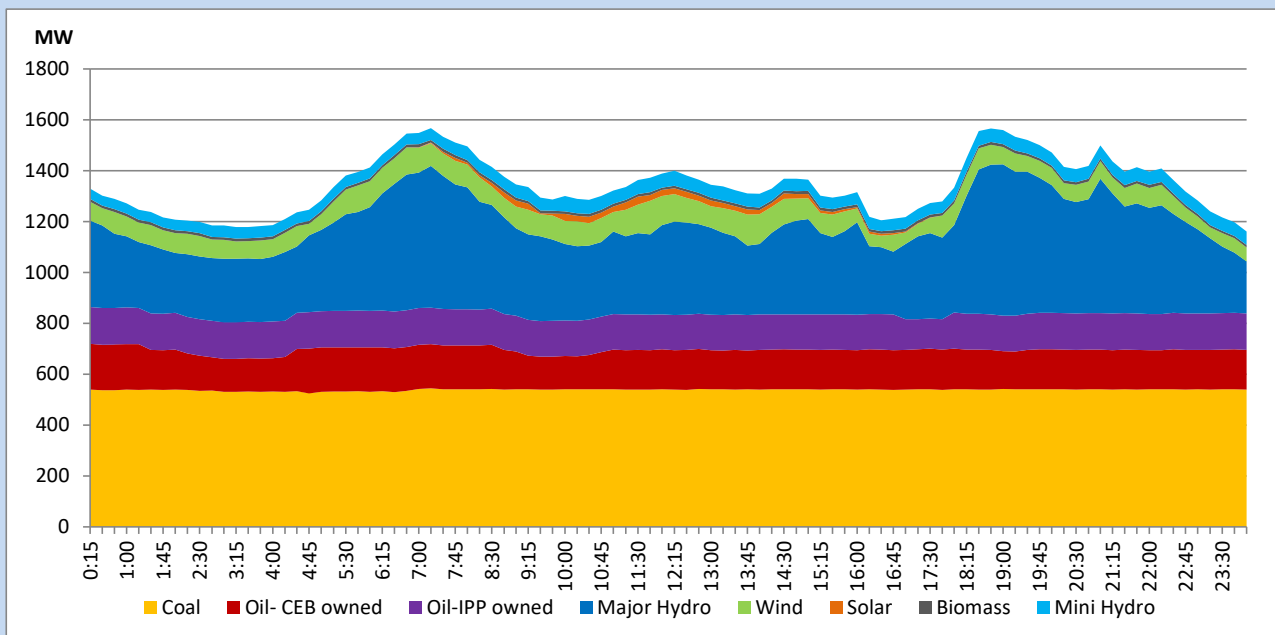


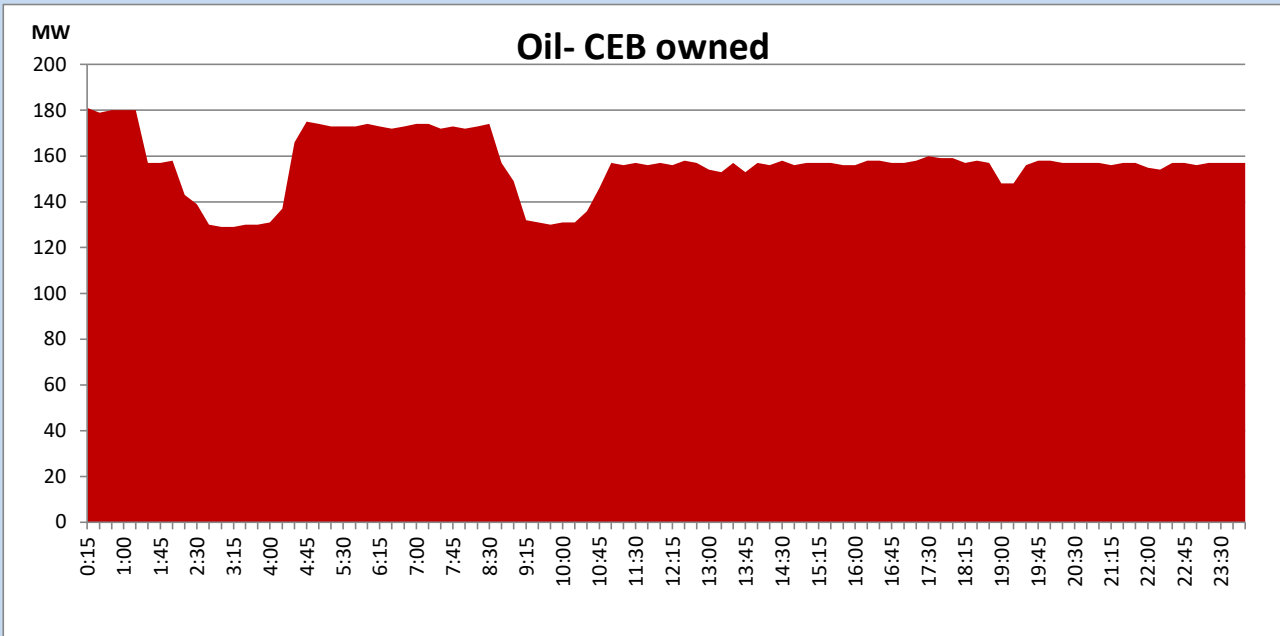
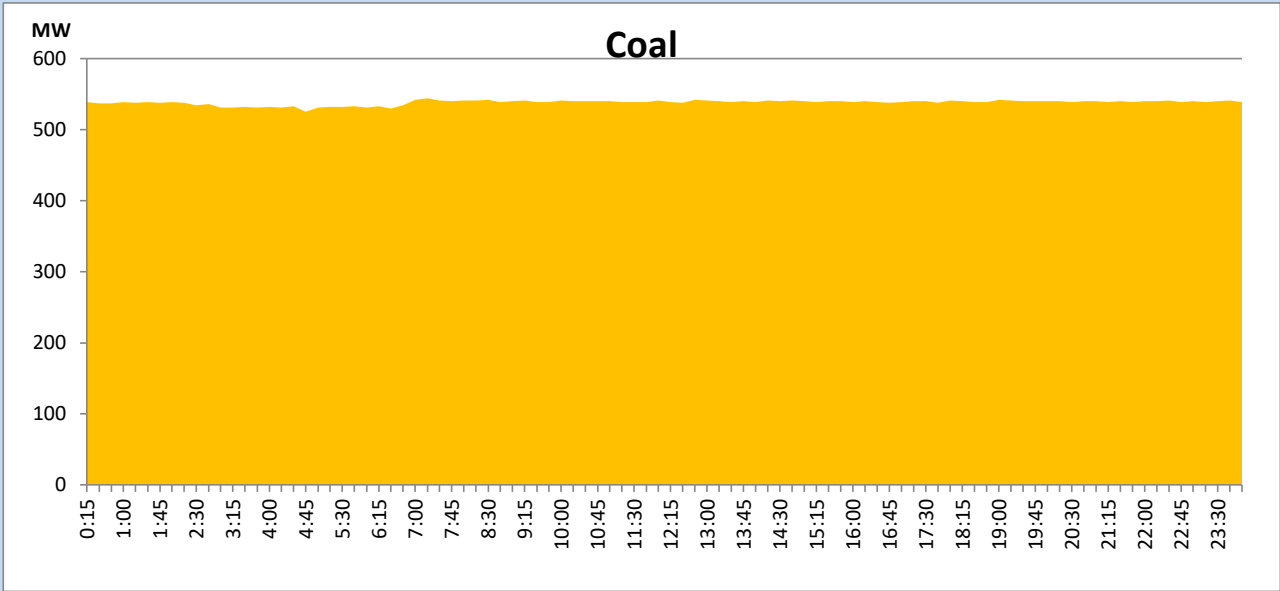
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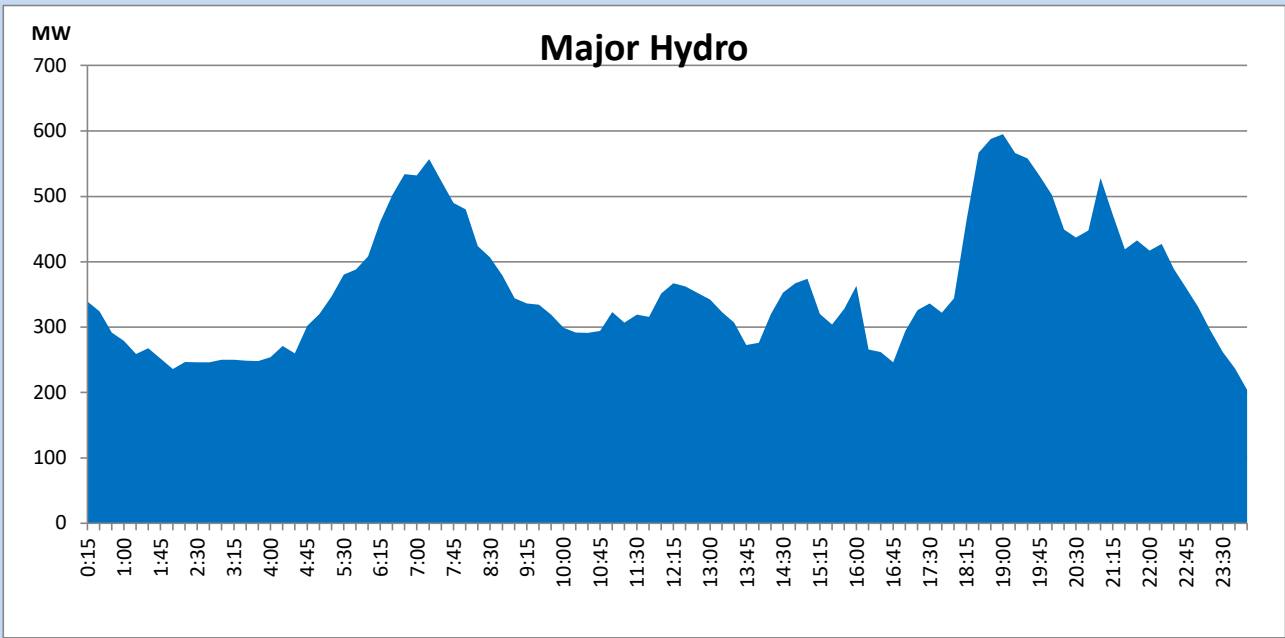
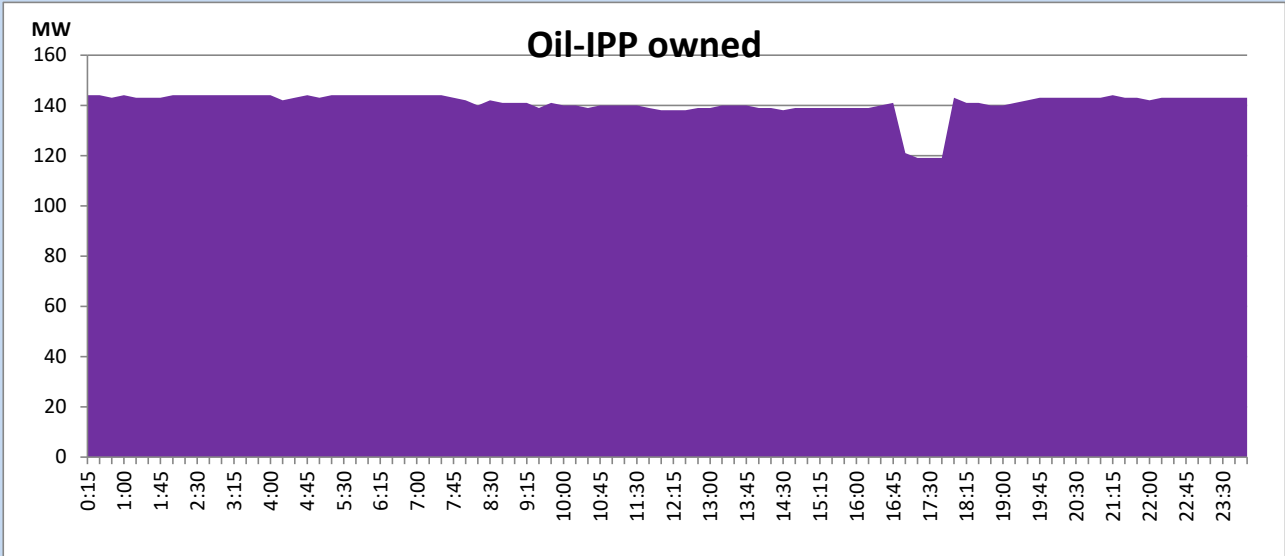
## Daily Load Curve of the Previous day

January 6, 2023

Solar and wind data is based on Telemetered Power Stations only



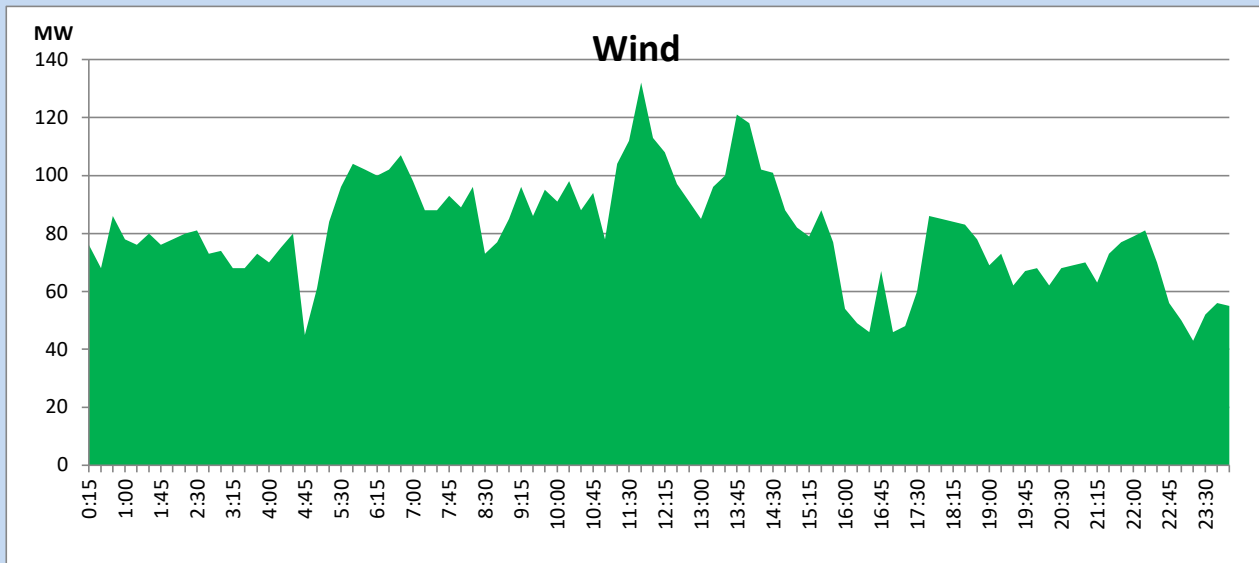




## Wind Generation during the Previous day

January 5, 2023

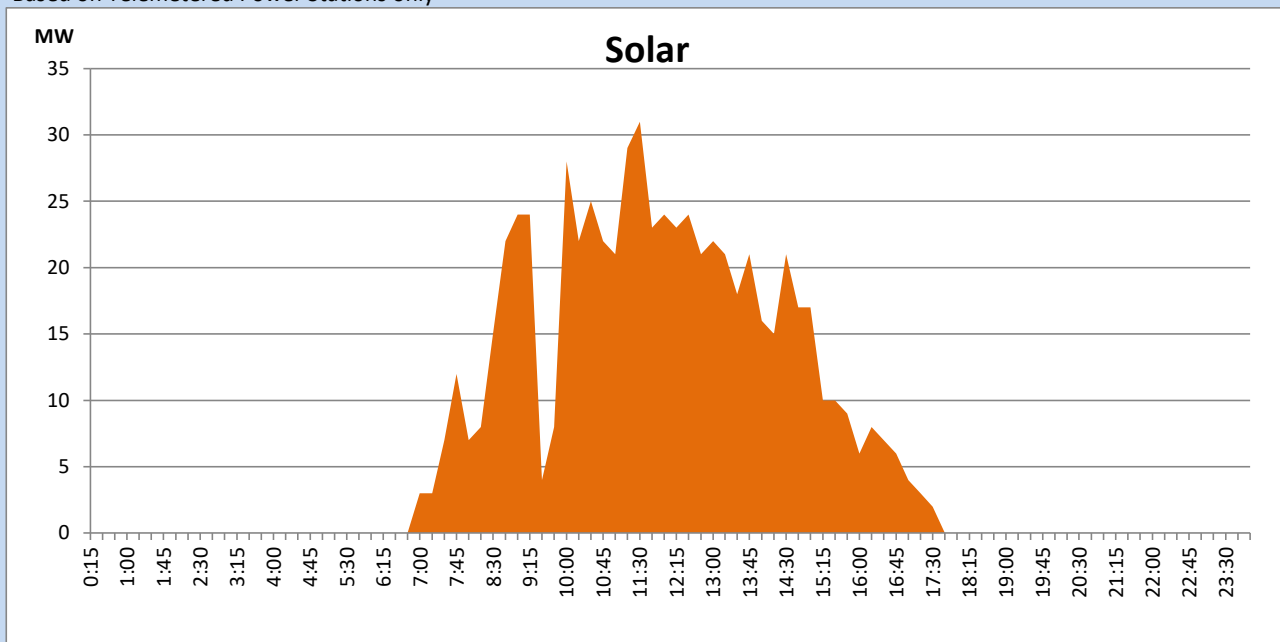
Based on Telemetered Power Stations only



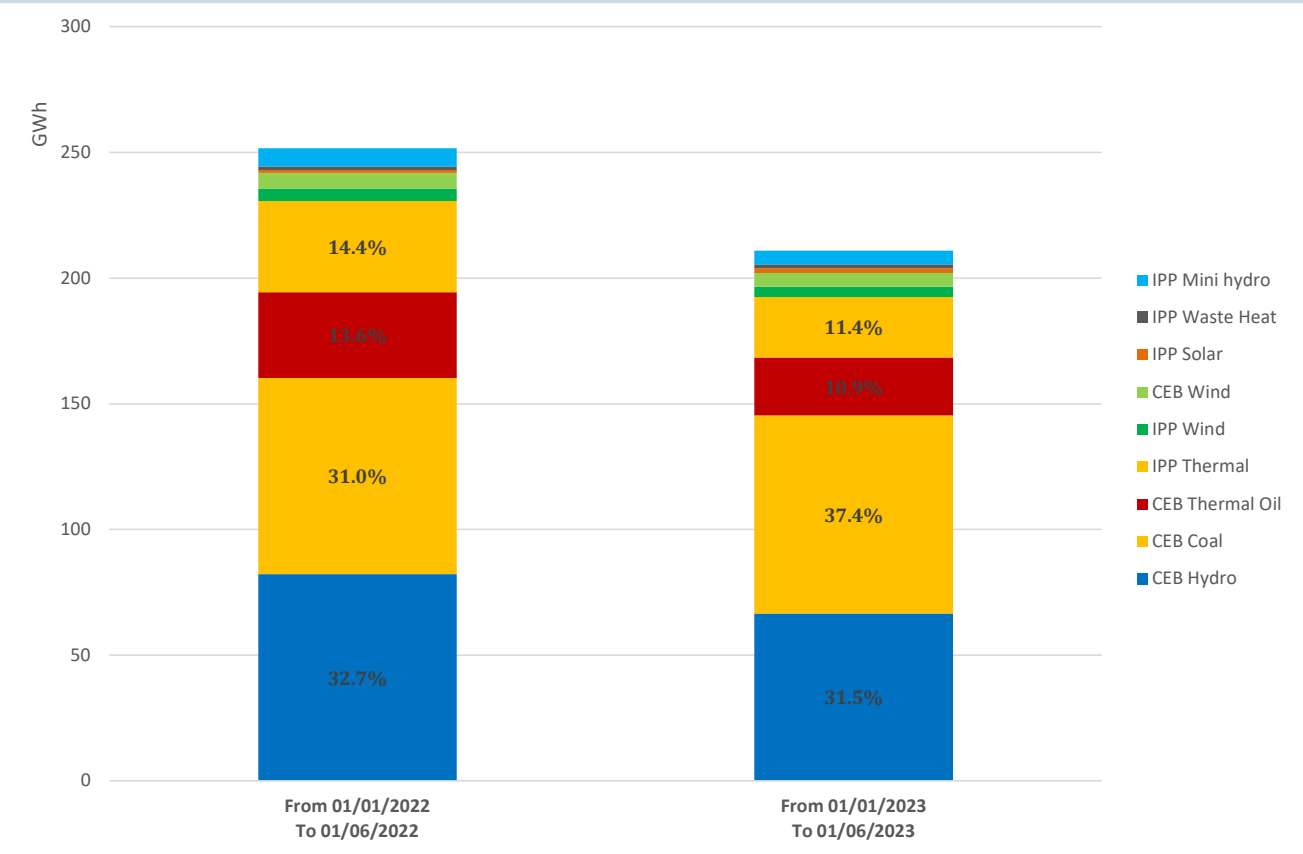
## Solar Generation during the Previous day

January 5, 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 6, 2023**

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