

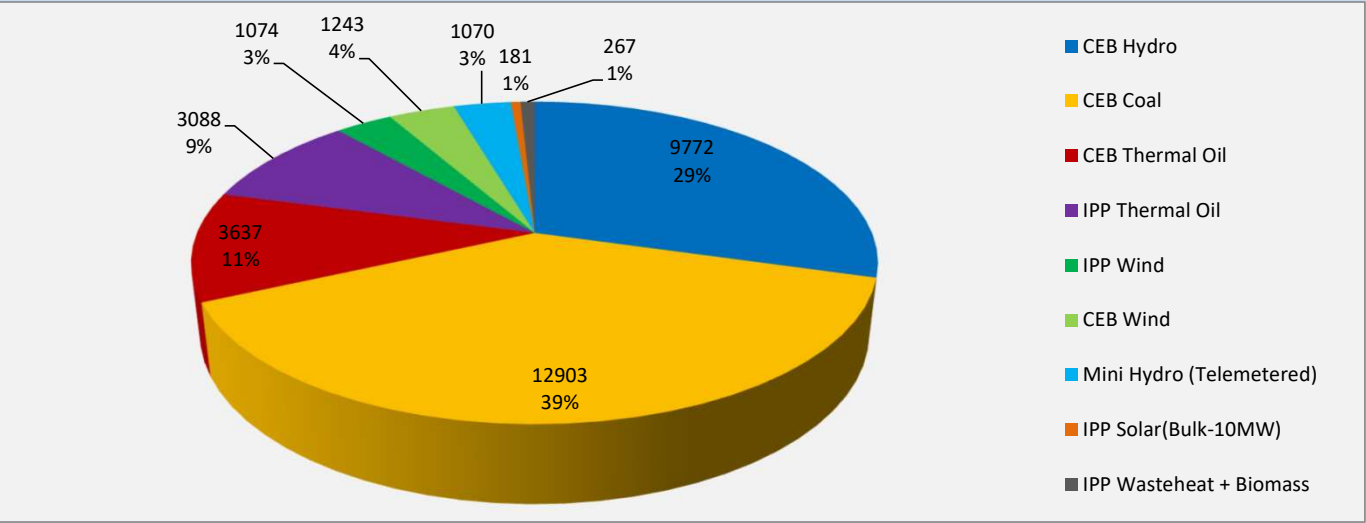
# Generation and Reservoirs Statistics

January 7, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding Estimated figures) 33,230 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.88 GWh  
Estimated Mini Hydro (Non telemetered) = 1450 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

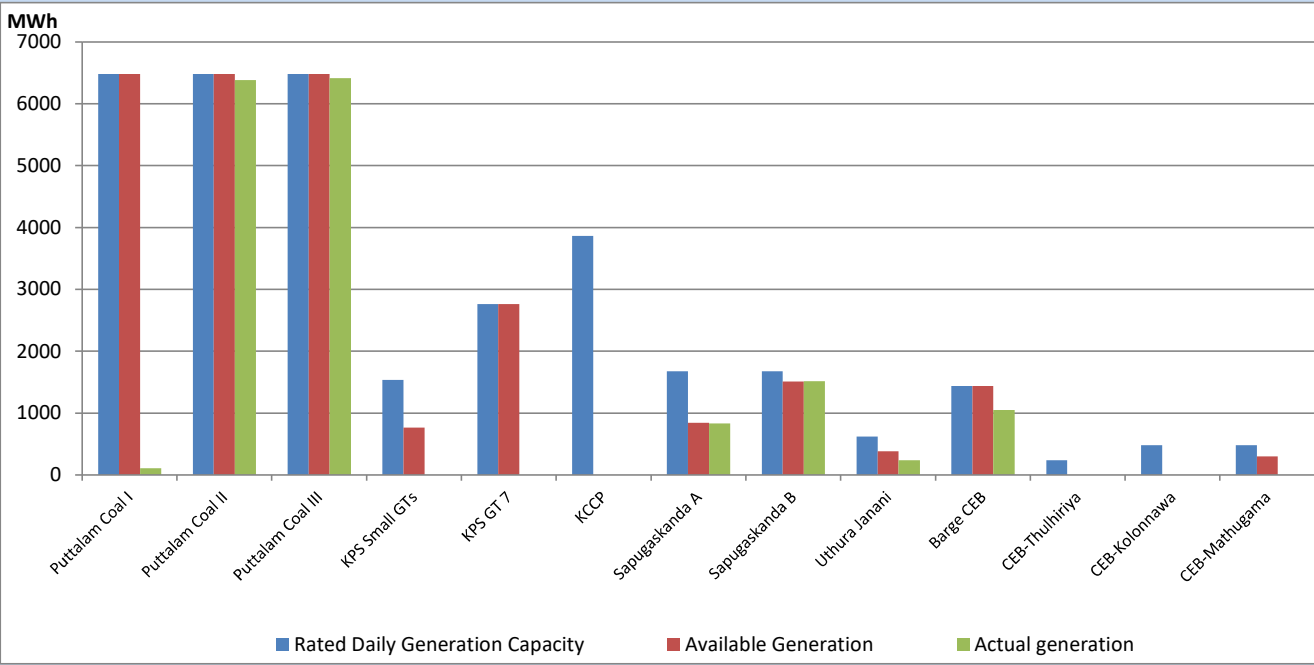
Category	Dispatch (GWh)	
CEB Hydro	76	31.22%
CEB Thermal Oil	27	10.92%
CEB Coal	92	37.55%
IPP Thermal	27	11.14%
SPP Wind	5	2.14%
CEB Wind	7	2.76%
SPP Solar	2	0.83%
SPP Solid Waste	2	0.70%
Mini Hydro (Telemetered)	7	2.72%
Total	244	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	76	31.22%
CEB Thermal Oil	27	10.92%
CEB Coal	92	37.55%
IPP Thermal	27	11.14%
SPP Wind	5	2.14%
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Total	244	

CEB owned Thermal Plant Dispatch

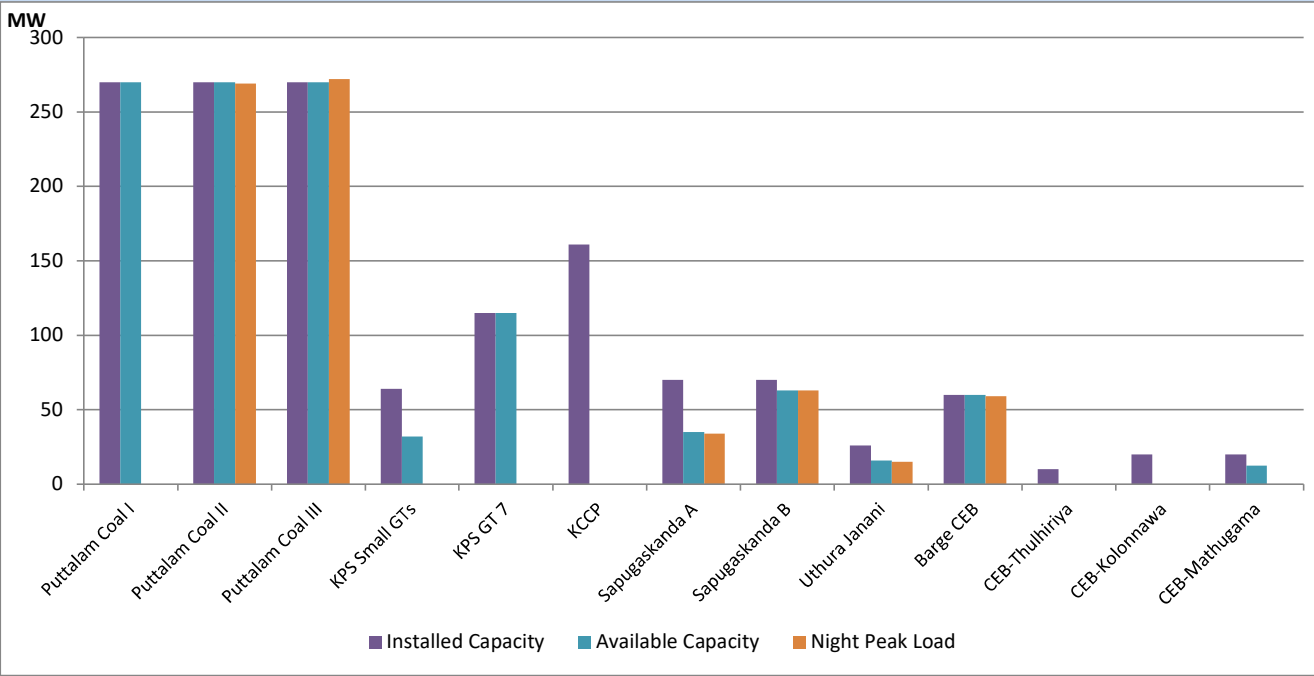
January 7, 2023



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

January 8, 2023

CEB owned Thermal Plant Loading at the Night Peak



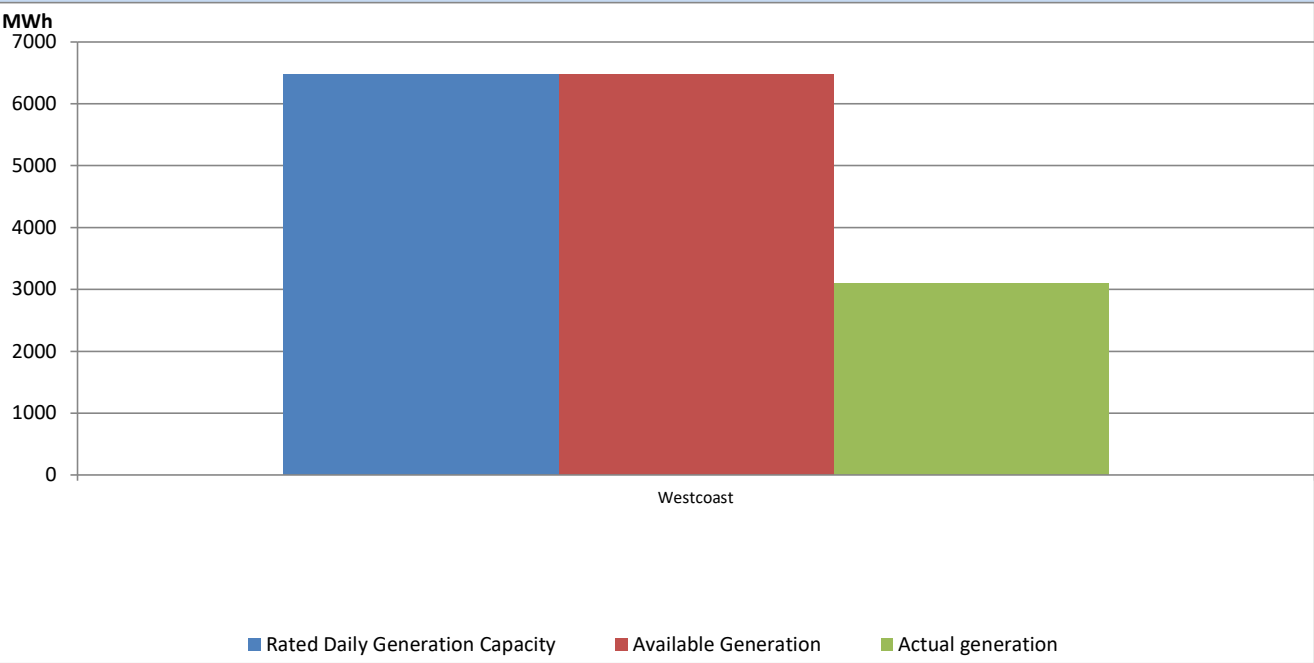
Note- Plant avilability is recorded at 6.00 am on

January 8, 2023

IPP owned Thermal Plant Dispatch

January 7, 2023

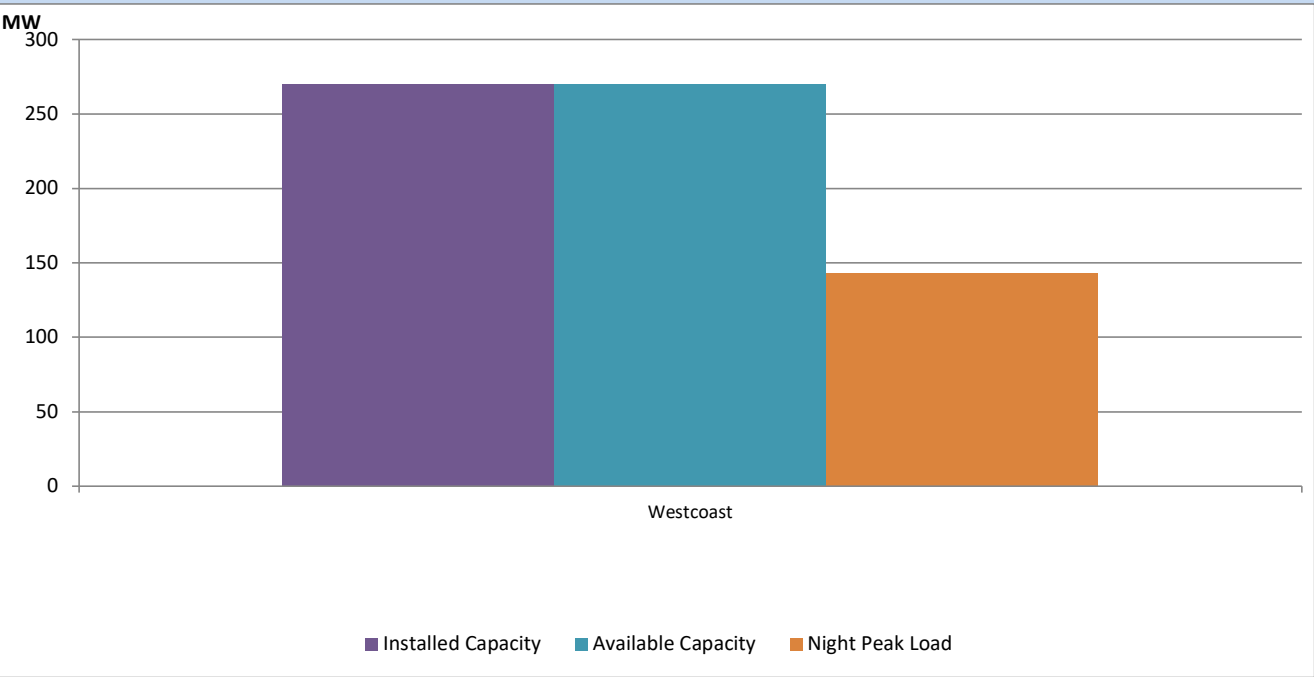
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena,Sogitz Kelanitissa and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

January 8, 2023

IPP owned Thermal Plant Loading at the Night Peak

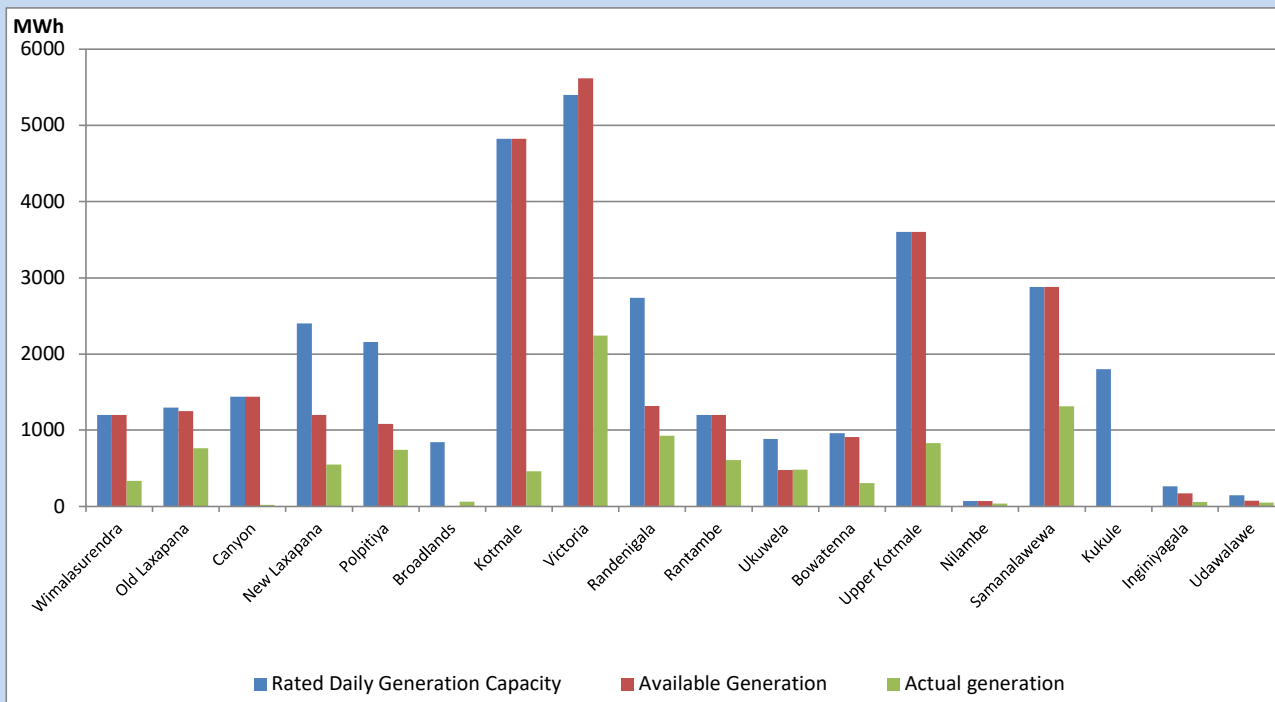


Note- Plant avilability is recorded at 6.00 am on

January 8, 2023

## Major Hydro Plant Dispatch

January 7, 2023

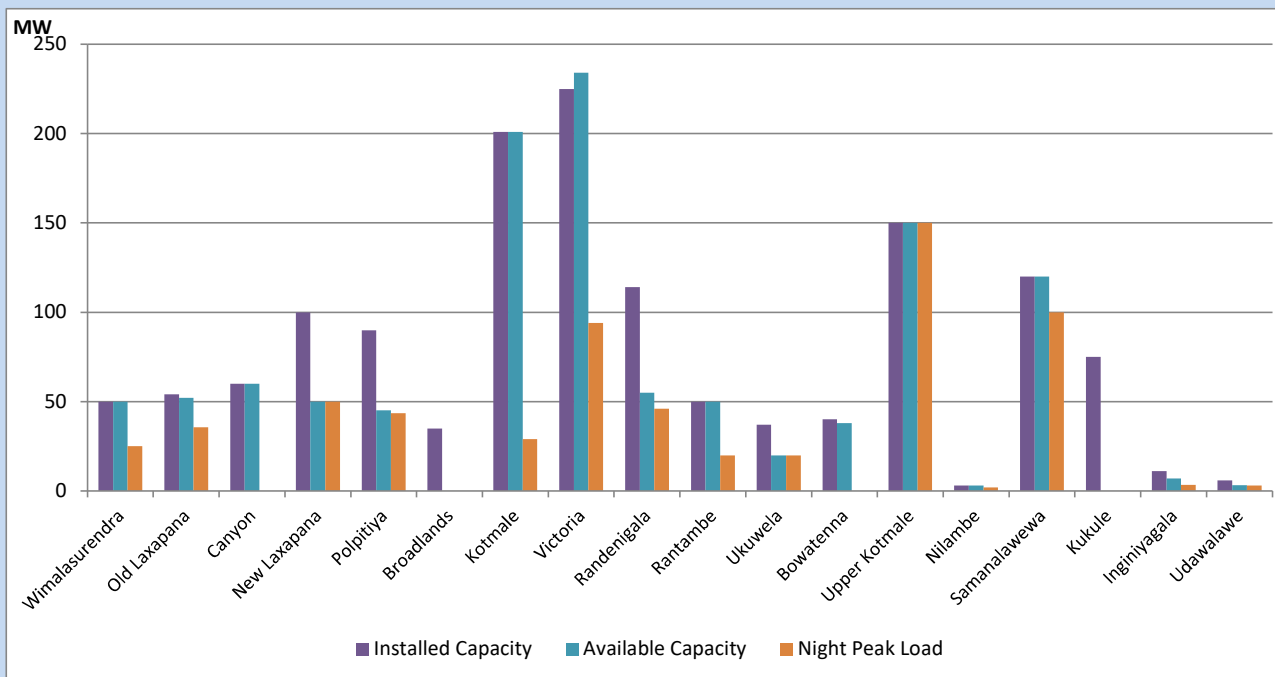


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 8, 2023

## Major Hydro Plant Loading at Night Peak

January 7, 2023



Note- Plant availability is recorded at 6.00 am on

January 8, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

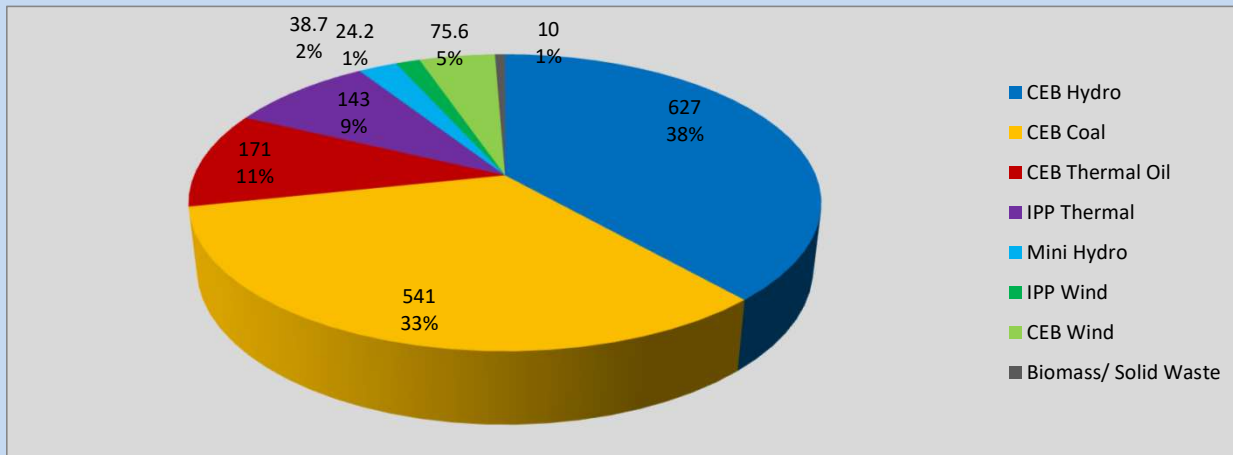
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	331
Old Laxapana	54	52	36	763
Canyon	60	60	0	20
New Laxapana	100	50	50	550
Polpitiya	90	45	43	745
Broadlands	35	0	0	62
Kotmale	201	201	29	460
Victoria	225	234	94	2,238
Randenigala	114	55	46	924
Rantambe	50	50	20	606
Ukuwela	37	20	20	481
Bowatenna	40	38	0	306
Upper Kotmale	150	150	150	831
Nilambe	3	3	2	35
Samanalawewa	120	120	100	1,313
Kukule	75	0	0	0
Inginiyagala	11	7	3	58
Udawalawe	6	3	3	49
Puttalam Coal I	270	270	0	107
Puttalam Coal II	270	270	269	6,384
Puttalam Coal III	270	270	272	6,412
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	35	34	832
Sapugaskanda B	70	63	63	1,514
Uthura Janani	26	16	15	239
Barge CEB	60	60	59	1,052
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	143	3,088
ACE Embilipitiya	93	0	0	0
Total	3,397	2,552	1,625	33,235

Plant availability is the availability recorded at 6 am on

January 8, 2023

## Contribution to the Night Peak in MW

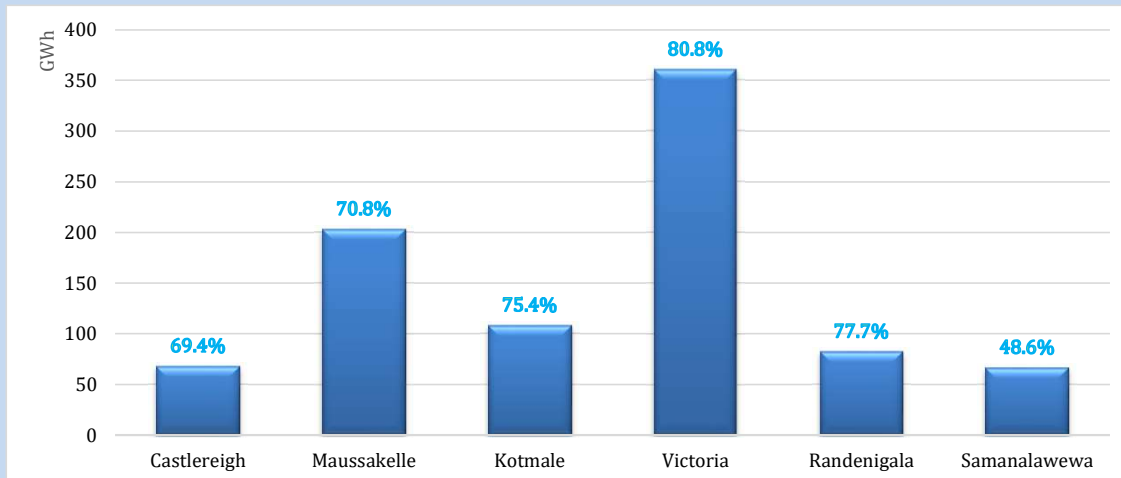
January 7, 2023



Night Peak\* 1,630.8 MW  
 Day Peak 1,569.6 MW  
 Minimum Demand 1,022.7 MW

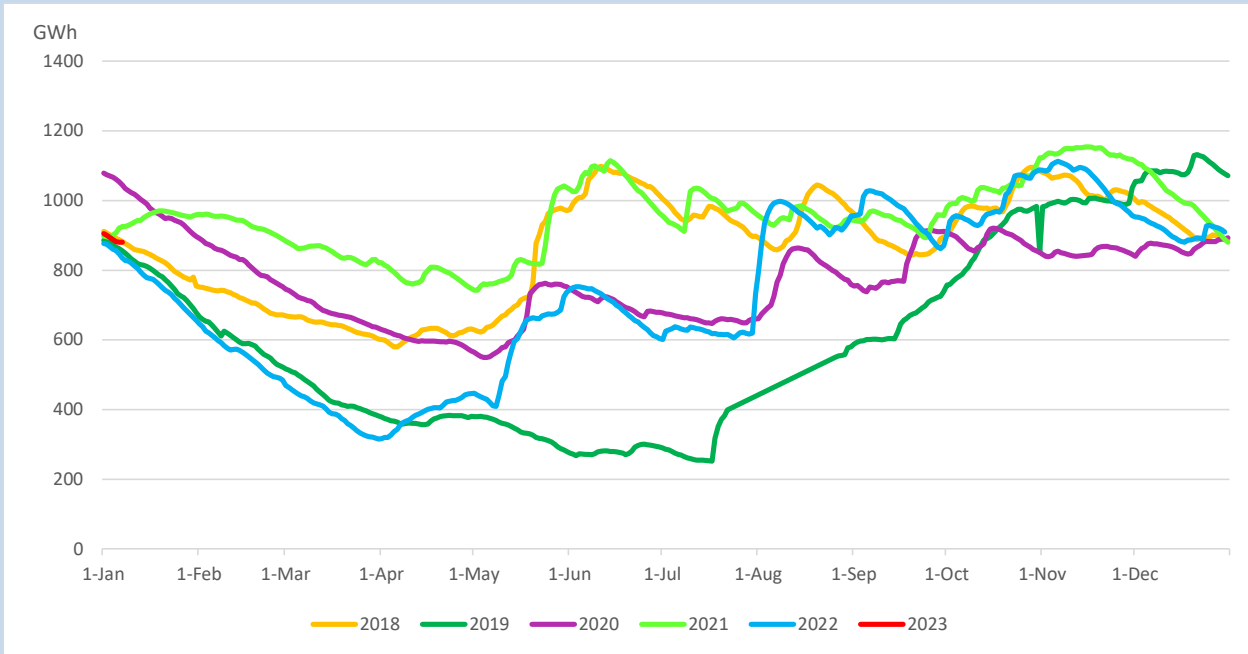
Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Reservoir Levels - as at 06.00 Hr on January 8, 2023

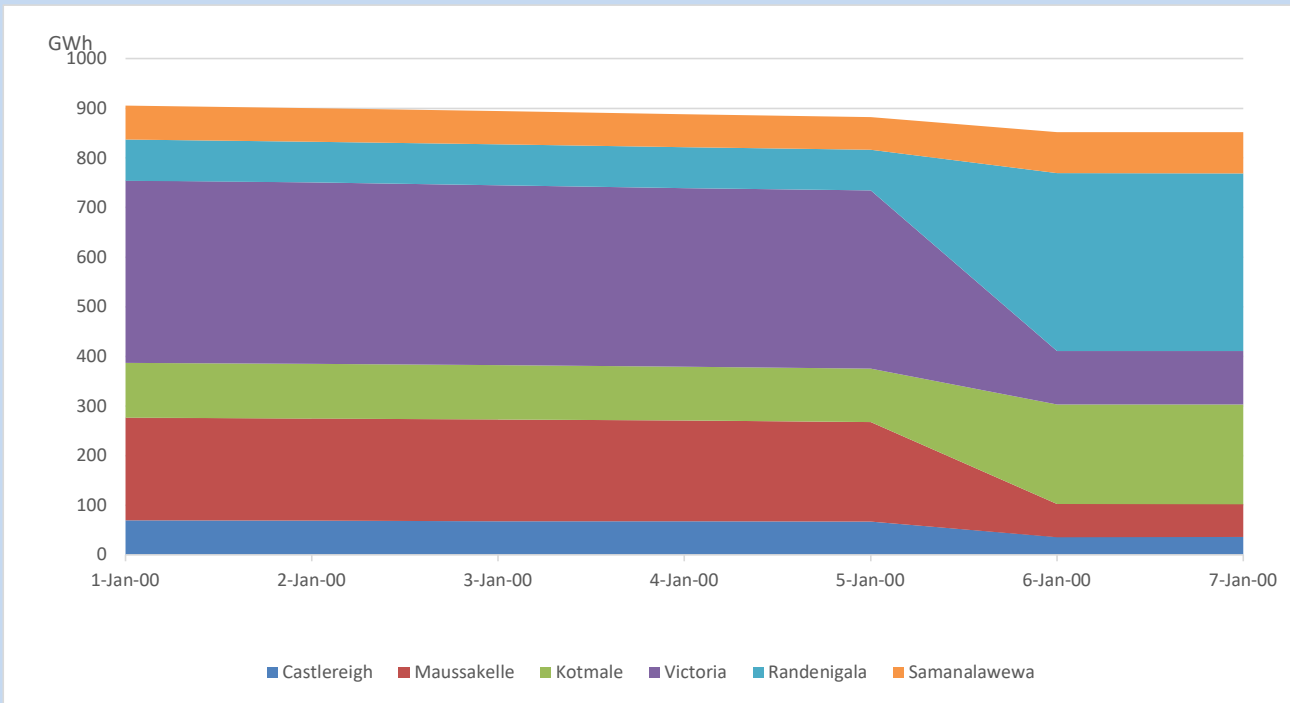


Total Reservoir Level 880.6 GWh  
 % of Total capacity 73.1%

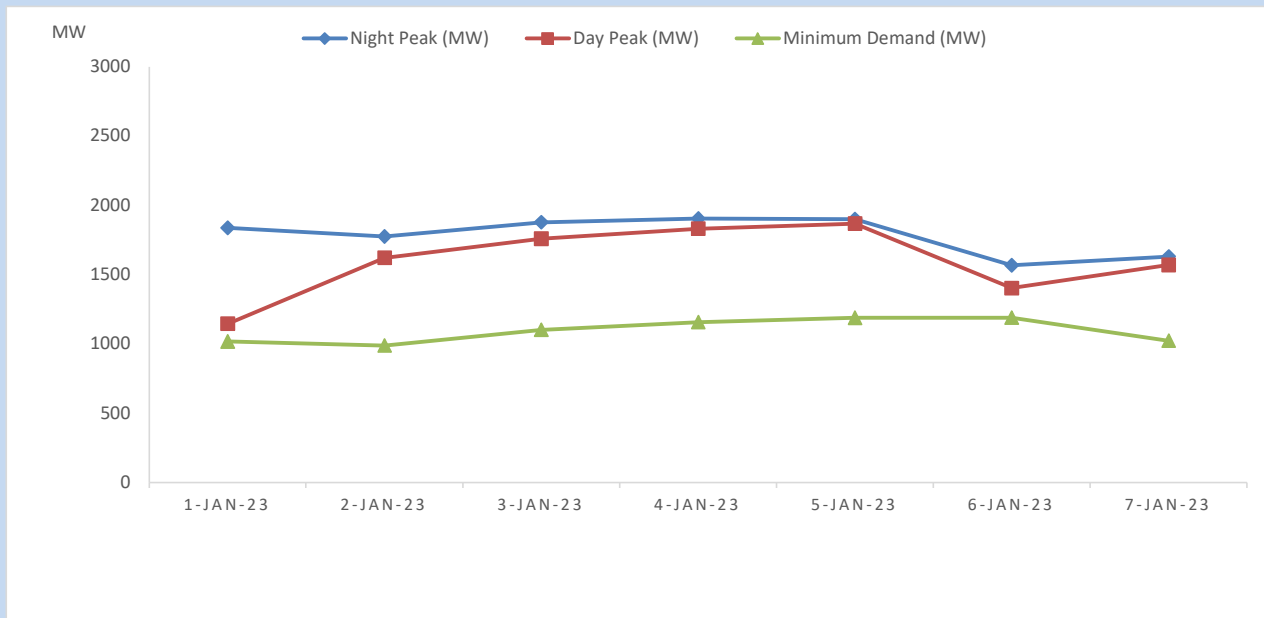
Comparison of Total Reservoir Storage Levels with Past Years



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



## Variation of Demand during the current year

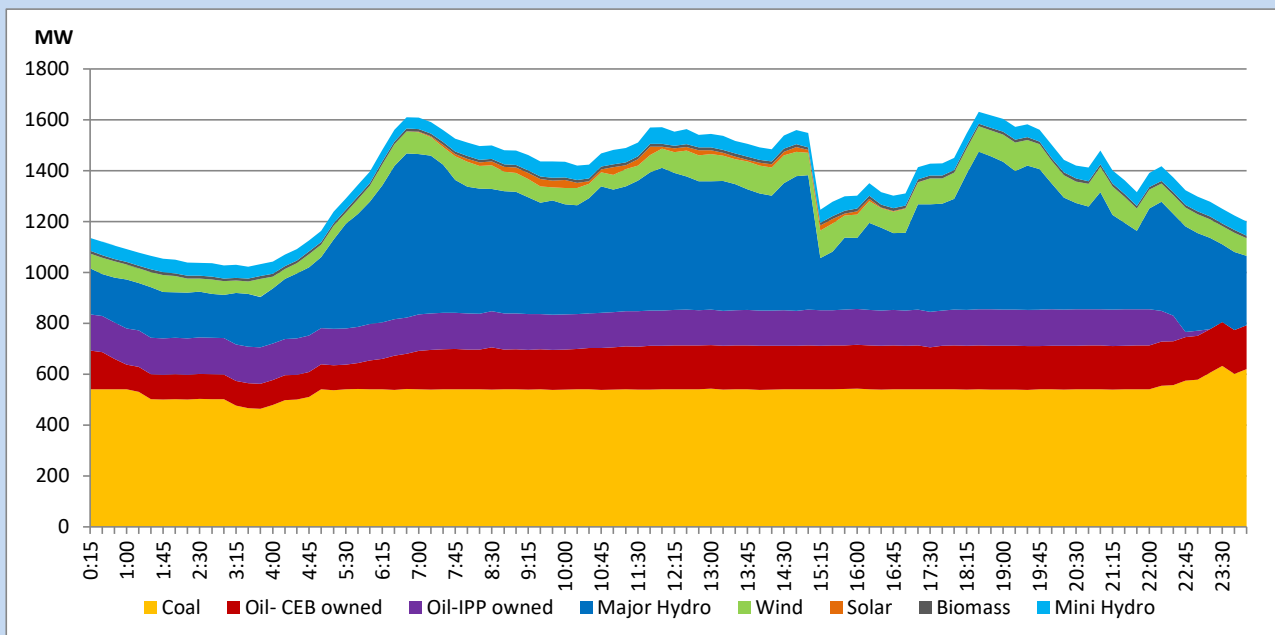


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

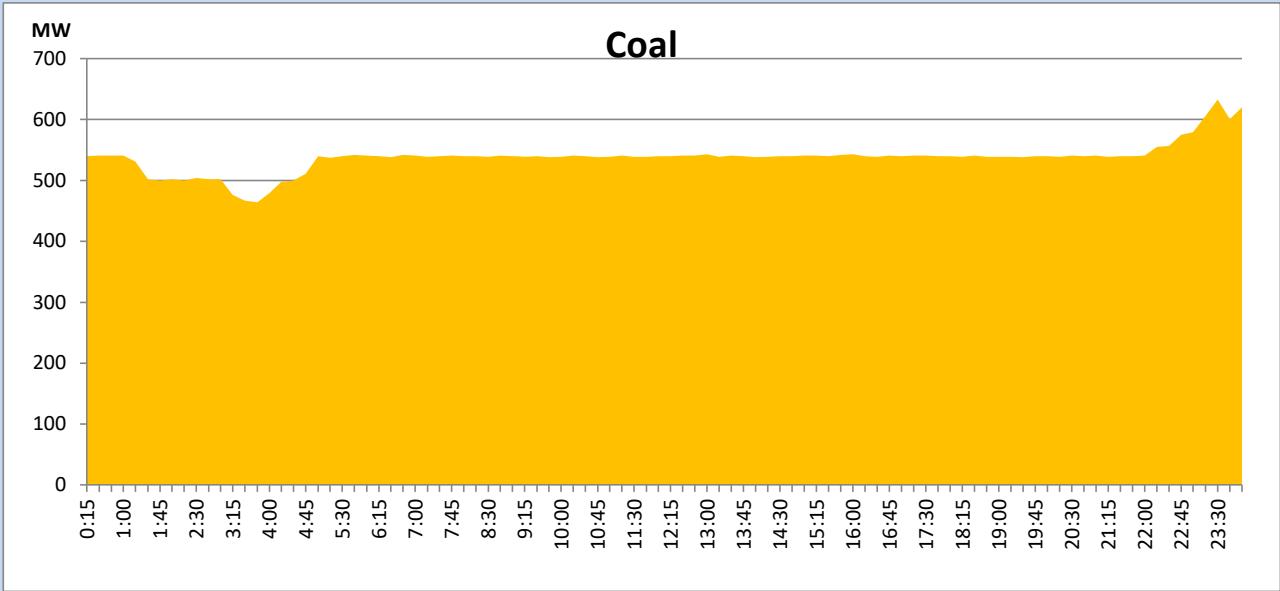
January 7, 2023

Solar and wind data is based on Telemetered Power Stations only



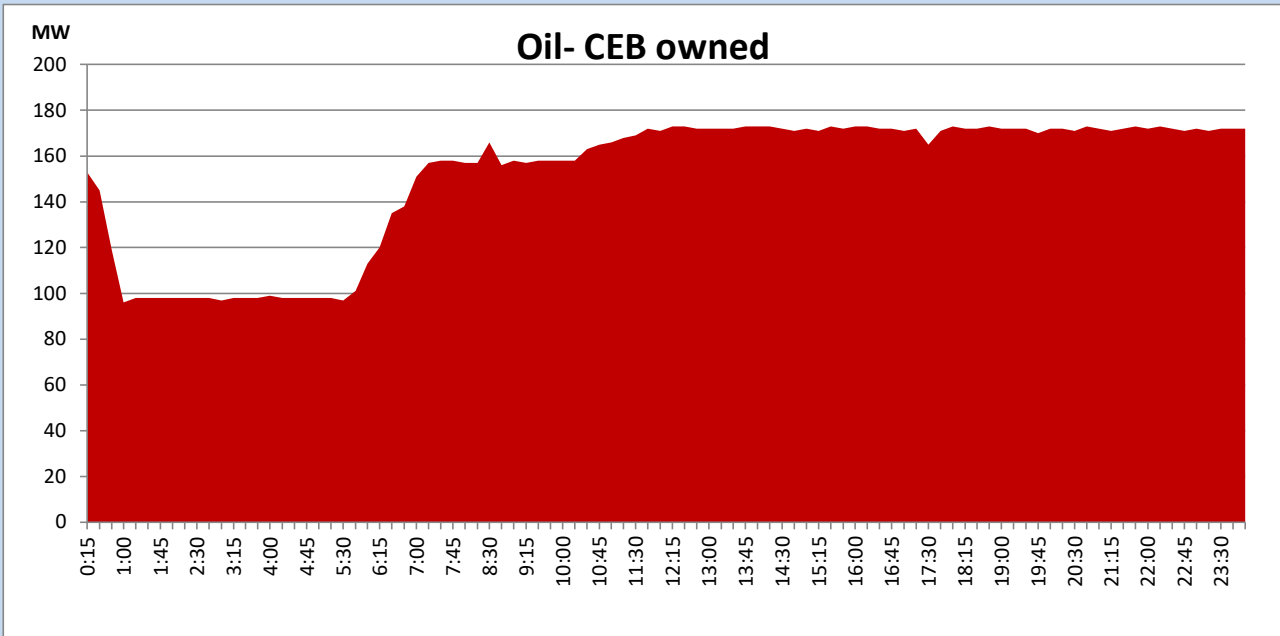
Coal Generation during the Previous day

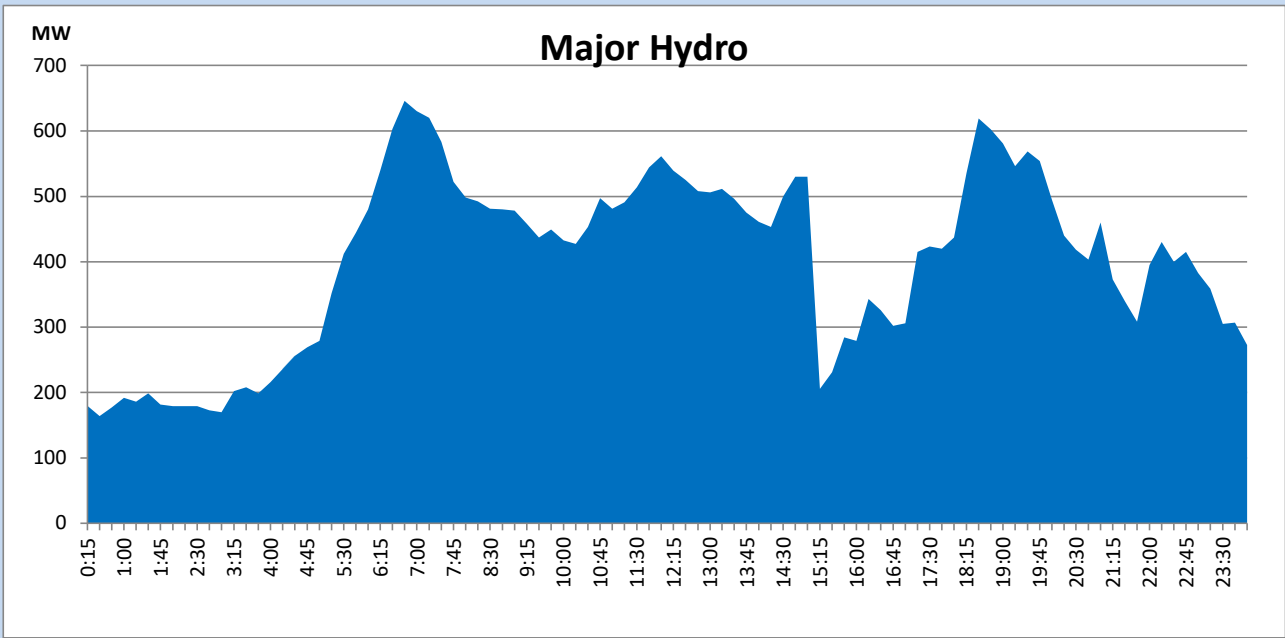
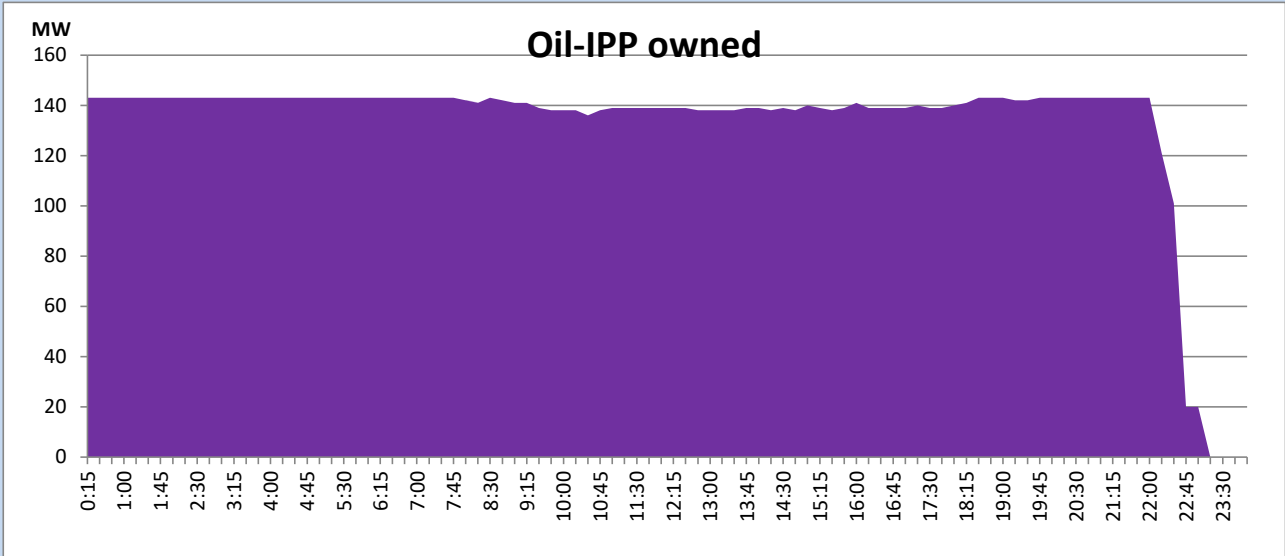
January 6, 2023



CEB Oil Plant Generation during the Previous day

January 6, 2023

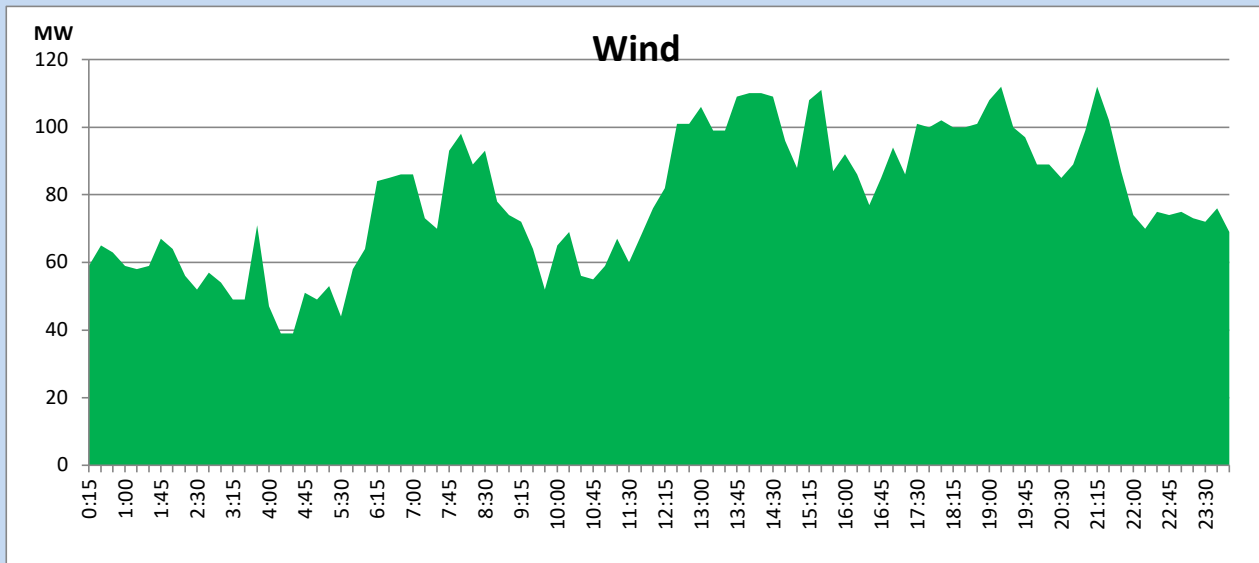




## Wind Generation during the Previous day

January 6, 2023

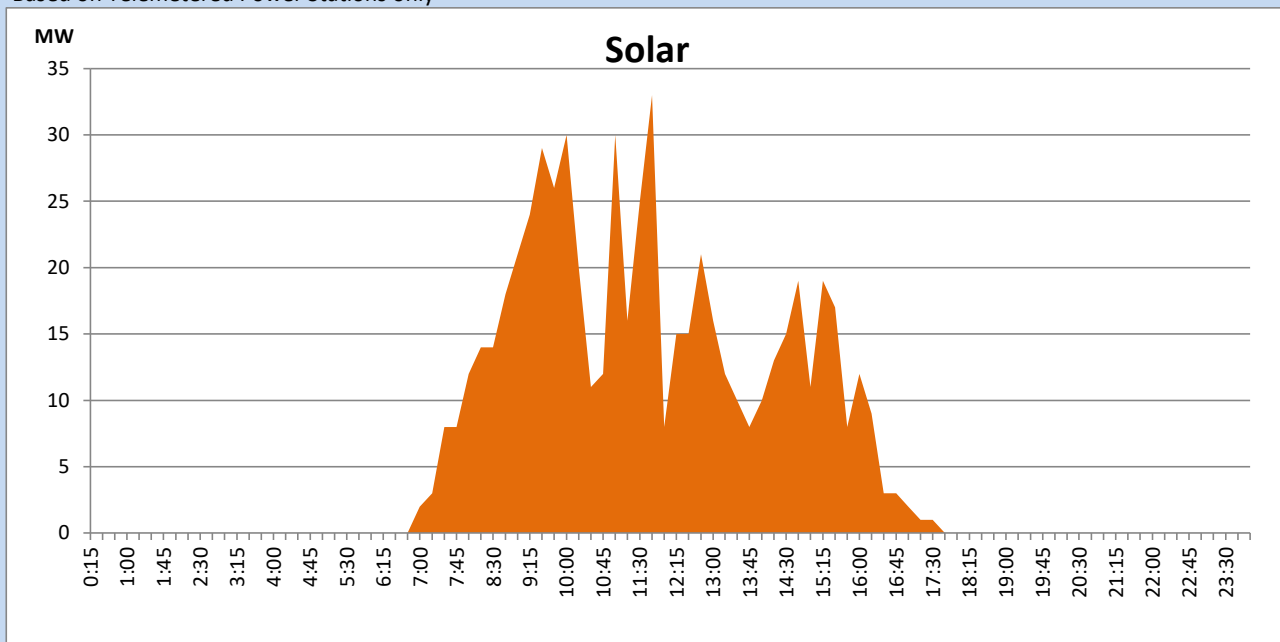
Based on Telemetered Power Stations only



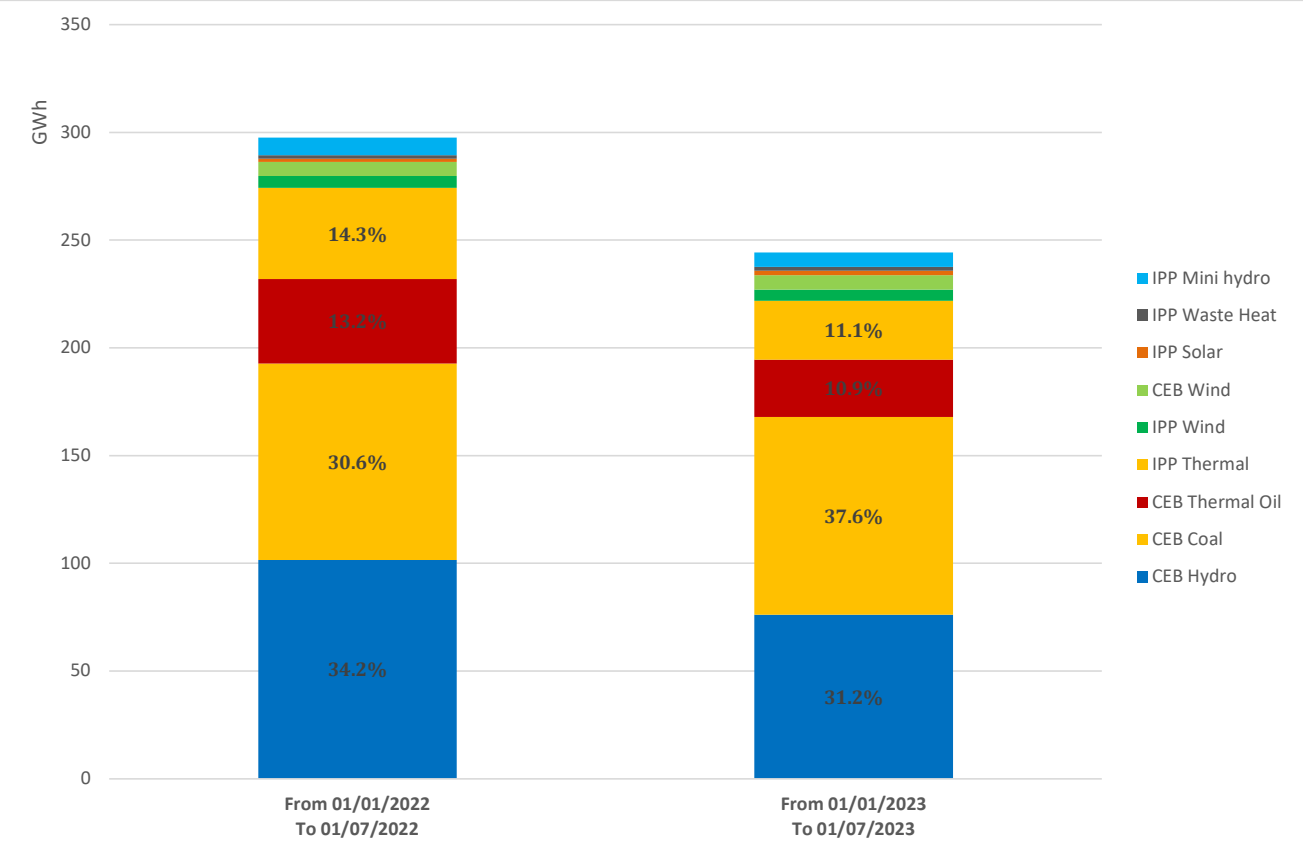
## Solar Generation during the Previous day

January 6, 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 7, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) Old Laxapana unit 04 tripped at 13:27hrs indicating stator winding temperature fault. Old Laxapana unit 04 resumed generation at 13:50hrs.