

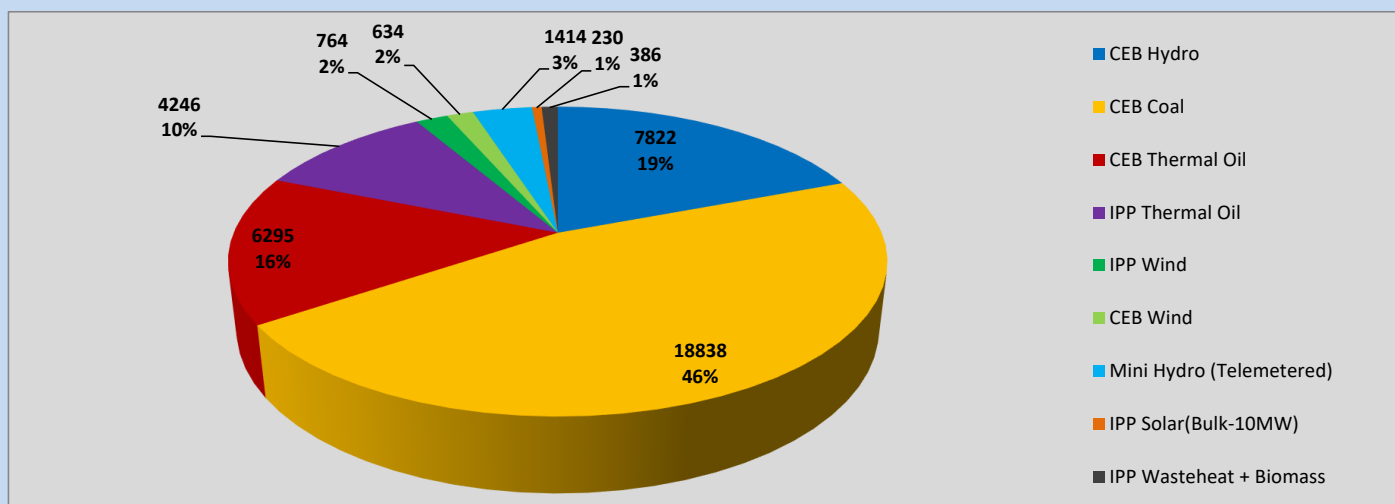
Generation and Reservoirs Statistics

May 10, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,629 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 2576 MWh

Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh

Estimated Solar Roof Top PV = 1920 MWh

Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

For Current Month

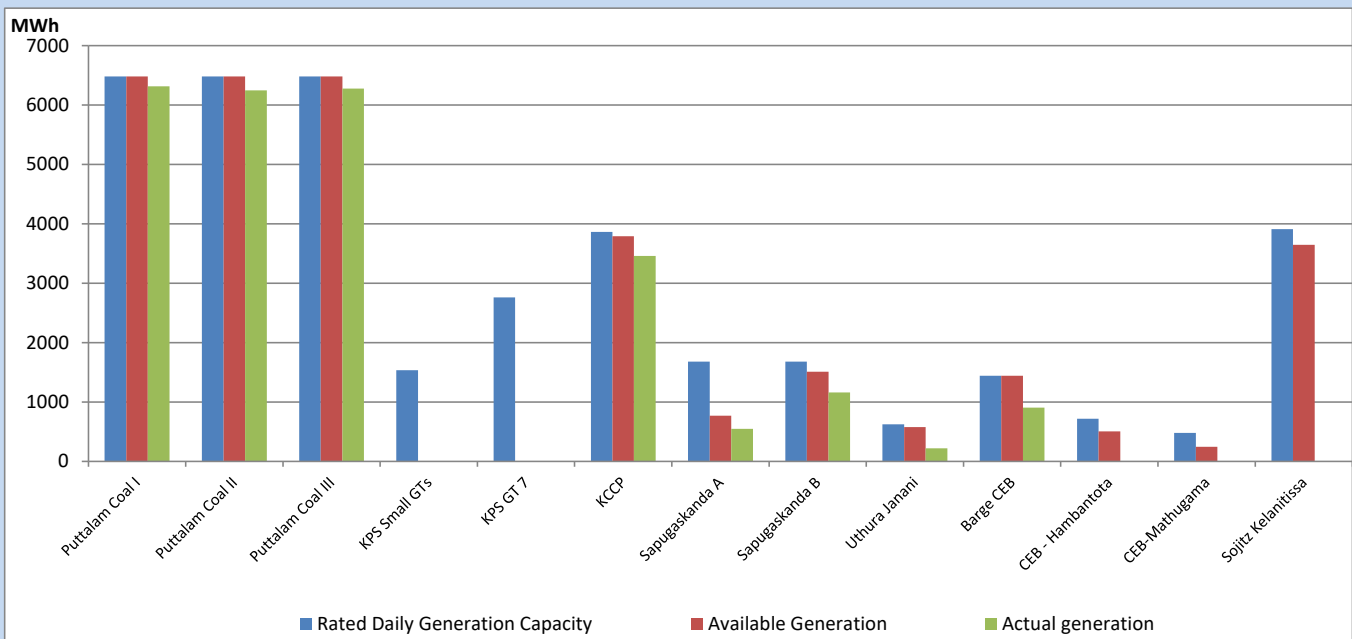
Category	Dispatch (GWh)	
CEB Hydro	75	21.44%
CEB Coal	186	53.12%
CEB Thermal Oil	41	11.65%
IPP Thermal	25	7.14%
SPP Wind	5	1.36%
CEB Wind	4	1.15%
Mini Hydro (Telemetered)	9	2.55%
IPP Solar(Bulk-10MW)	2	0.67%
IPP Wasteheat + BMP	3	0.91%
Total	350	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,277	26.03%
CEB Coal	2,173	44.31%
CEB Thermal Oil	696	14.19%
IPP Thermal	443	9.02%
SPP Wind	63	1.28%
CEB Wind	74	1.51%
Mini Hydro (Telemetered)	104	2.13%
IPP Solar(Bulk-10MW)	37	0.75%
IPP Wasteheat	38	0.78%
Total	4,904	

CEB owned Thermal Plant Dispatch

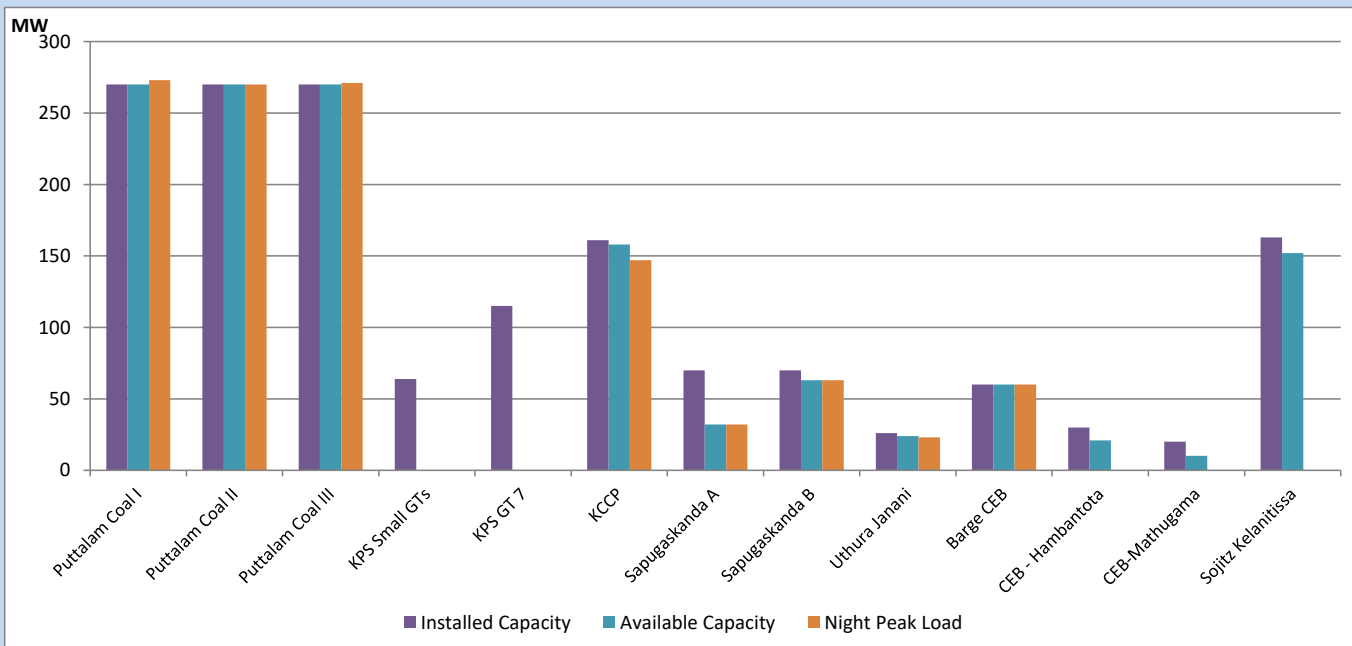
May 10, 2023



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

May 11, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note-

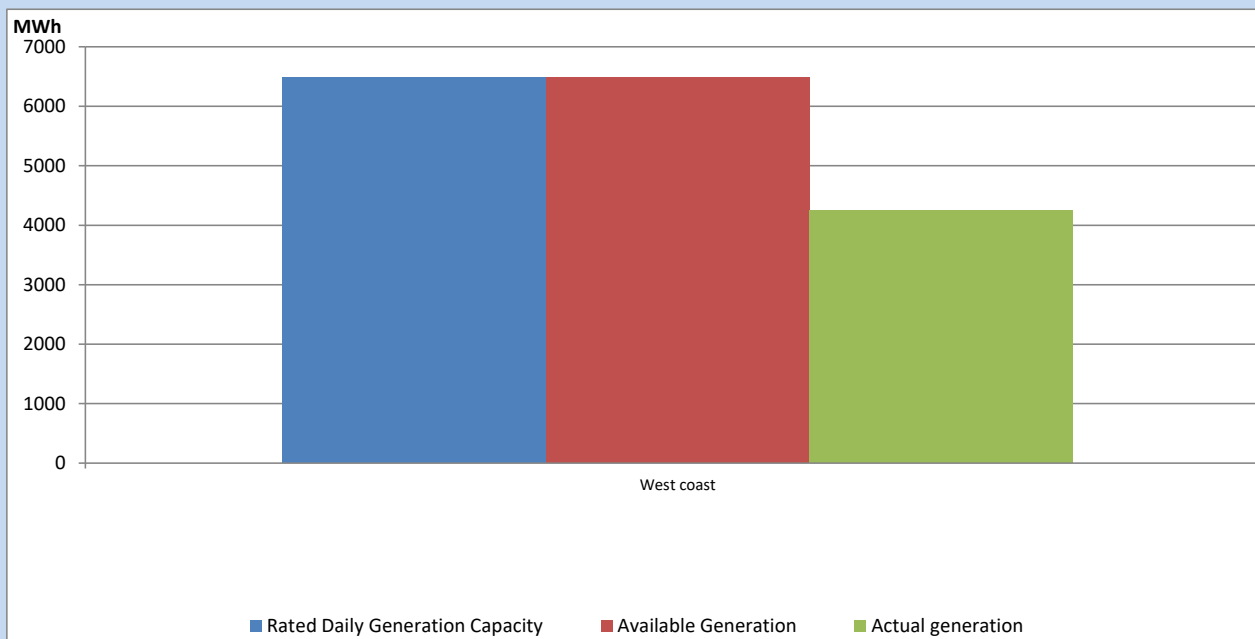
Plant availability is recorded at 6.00 am on

May 11, 2023

Sojitz Kelanitissa Plant is under Testing & Commissioning following to plant transfer procedure to CEB

IPP owned Thermal Plant Dispatch

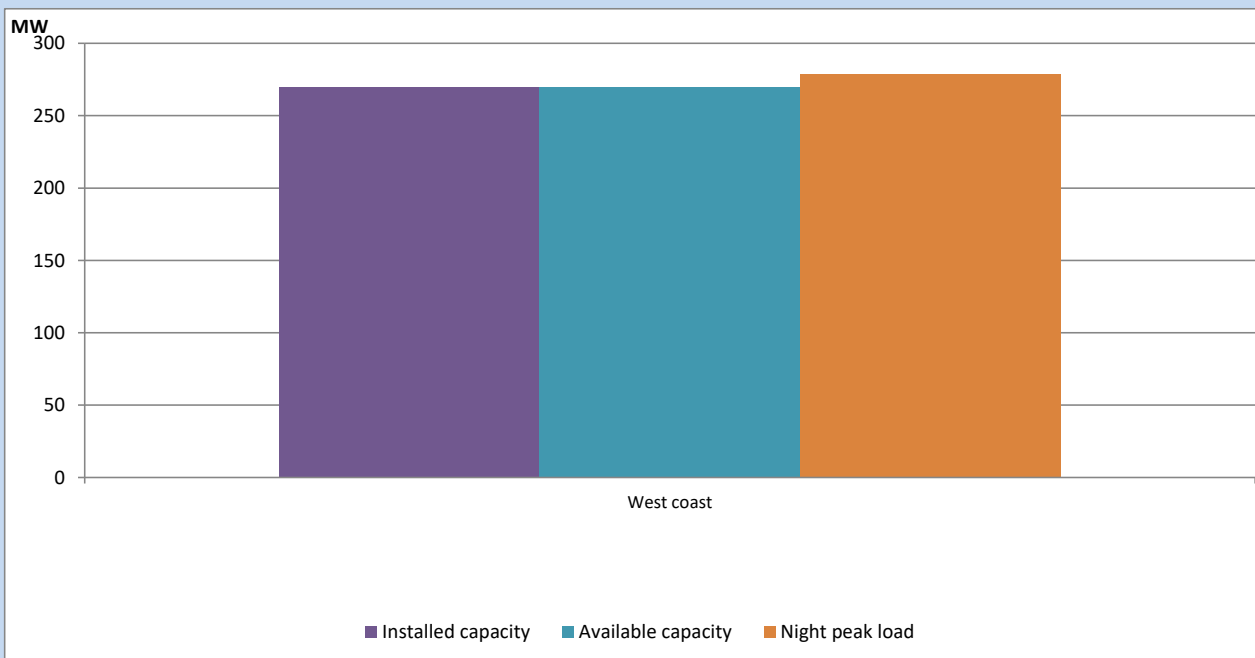
May 10, 2023



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

May 11, 2023

IPP owned Thermal Plant Loading at the Night Peak

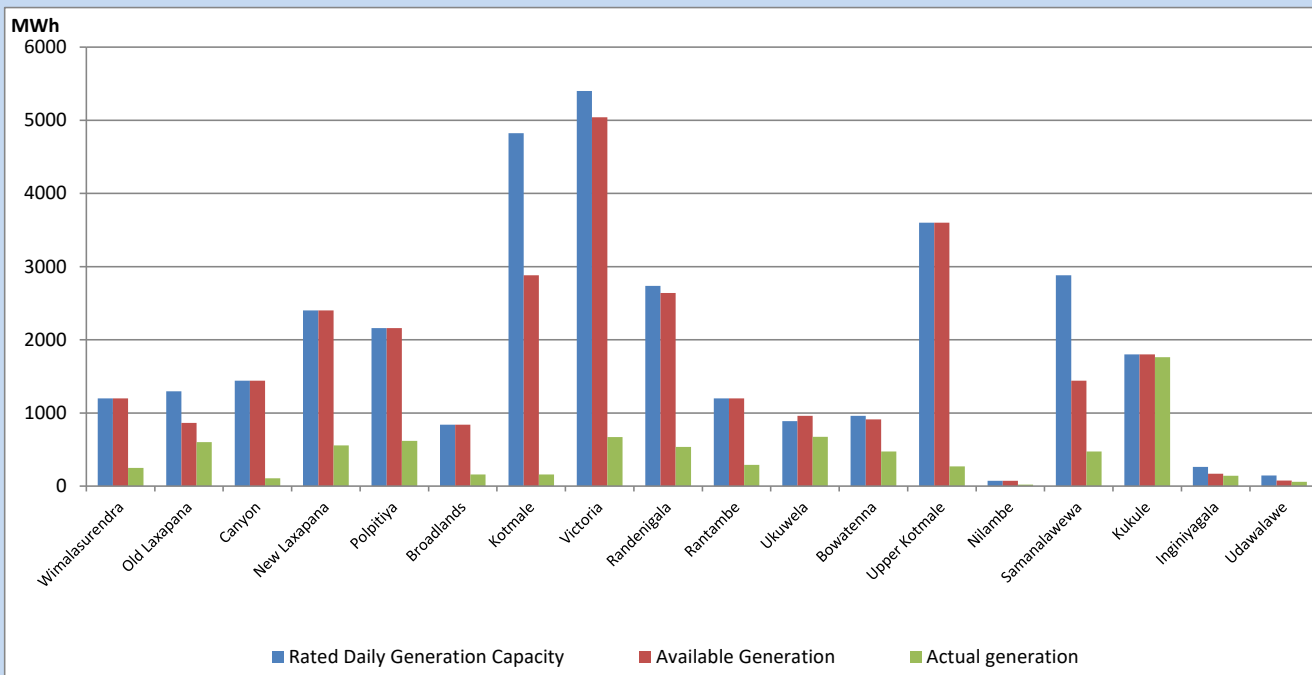


Note- Plant availability is recorded at 6.00 am on

May 11, 2023

Major Hydro Plant Dispatch

May 10, 2023

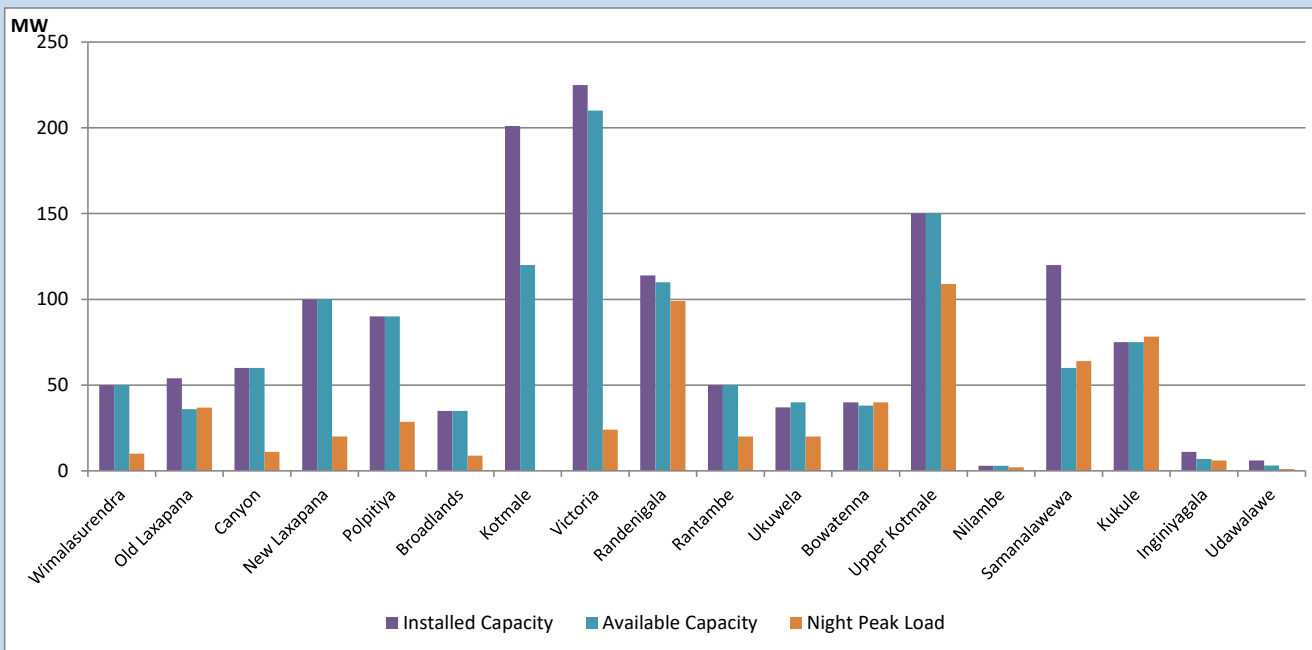


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 11, 2023

Major Hydro Plant Loading at Night Peak

May 10, 2023



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

May 11, 2023

Summary of Major Plant performance

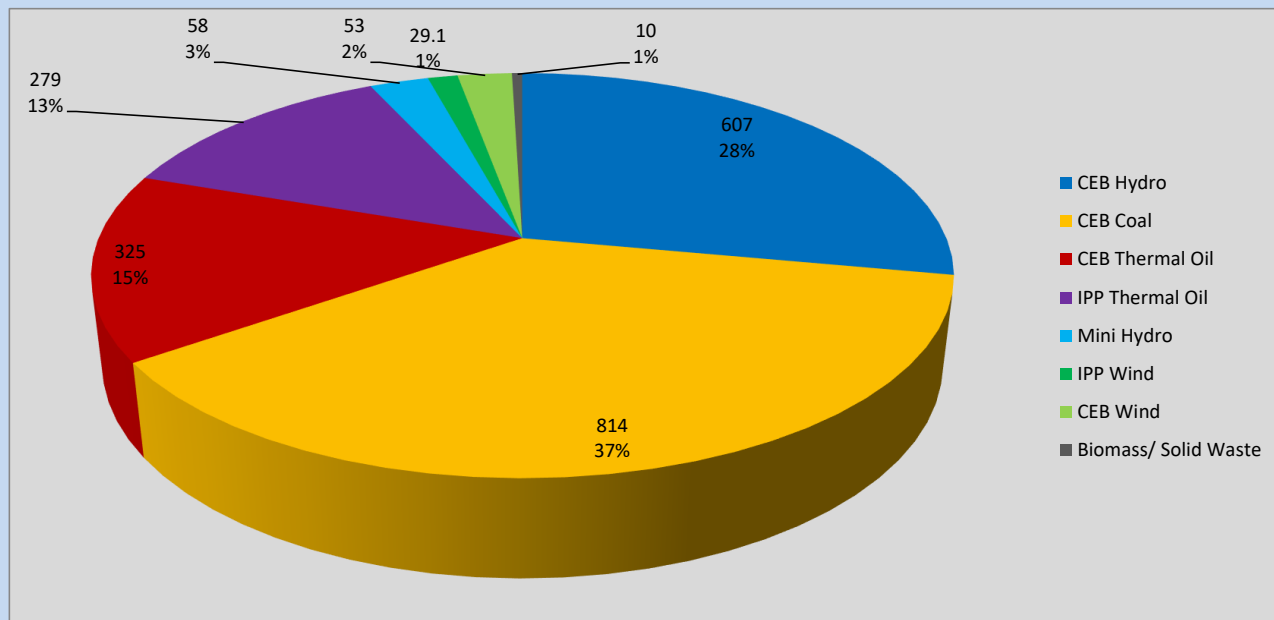
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	249
Old Laxapana	54	36	37	602
Canyon	60	60	11	107
New Laxapana	100	100	20	556
Polpitiya	90	90	29	620
Broadlands	35	35	9	160
Kotmale	201	120	0	160
Victoria	225	210	24	670
Randenigala	114	110	99	536
Rantambe	50	50	20	290
Ukuwela	37	40	20	672
Bowatenna	40	38	40	472
Upper Kotmale	150	150	109	270
Nilambe	3	3	2	22
Samanalawewa	120	60	64	474
Kukule	75	75	78	1,763
Inginiyagala	11	7	6	140
Udawalawe	6	3	1	59
Puttalam Coal I	270	270	273	6,317
Puttalam Coal II	270	270	270	6,245
Puttalam Coal III	270	270	271	6,276
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	158	147	3,458
Sapugaskanda A	70	32	32	550
Sapugaskanda B	70	63	63	1,161
Uthura Janani	26	24	23	221
Barge CEB	60	60	60	905
CEB-Hambantota	30	21	0	0
CEB-Mathugama	20	10	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	152	0	0
West Coast	270	270	279	4,246
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,837	2,146	40,629

Plant availability is the availability recorded at 6 am on

May 11, 2023

Contribution to the Night Peak in MW

May 10, 2023

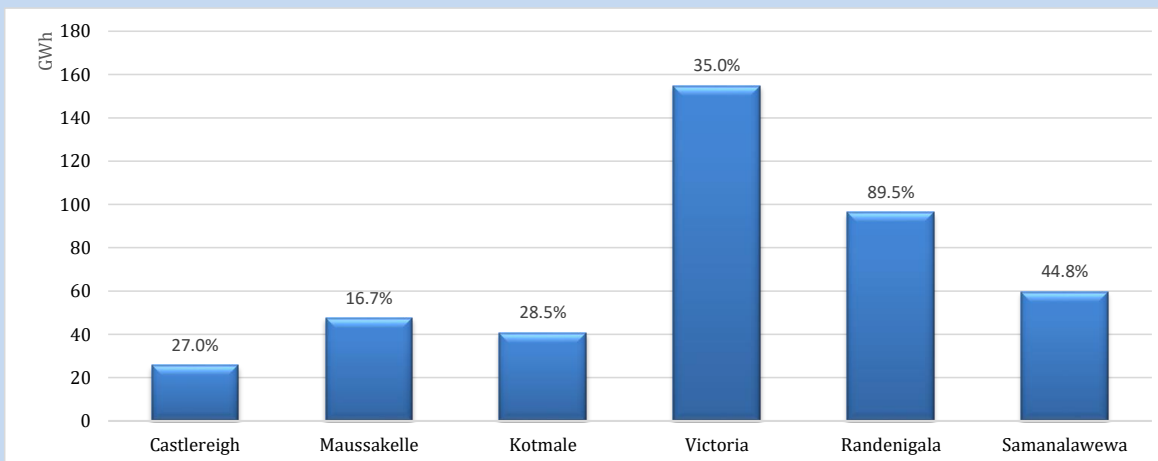


Night Peak*	2,174 MW
Day Peak	1,918 MW
Minimum Demand	1,725 MW

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

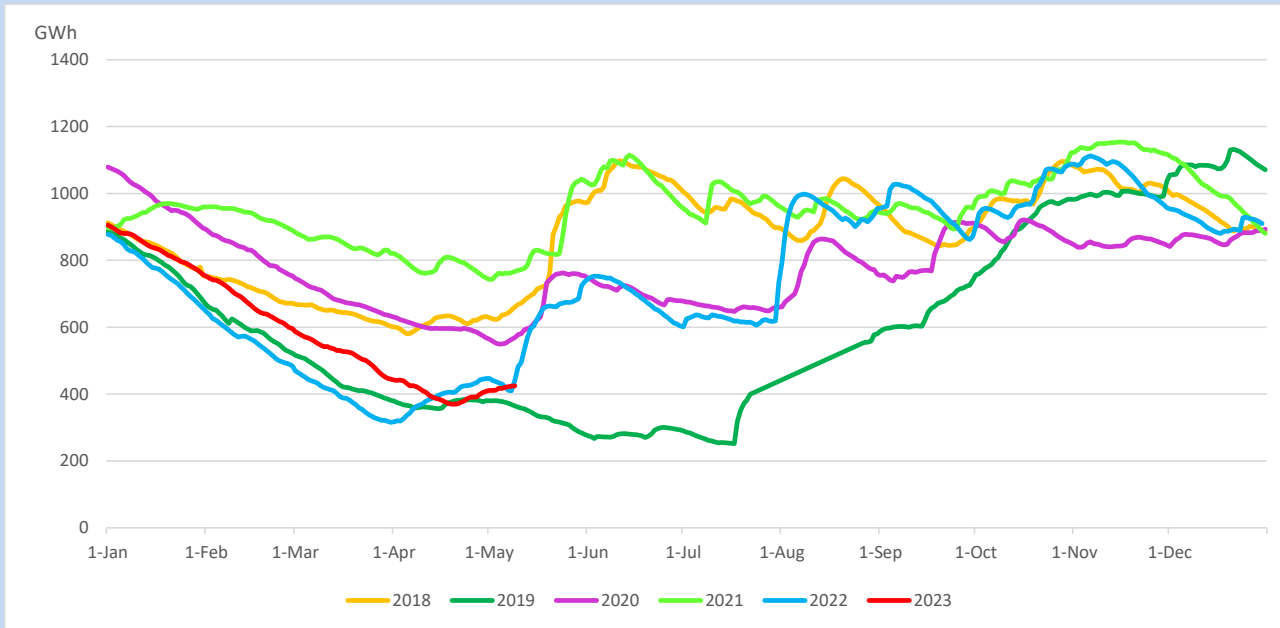
Reservoir Levels -

as at 06.00 Hr on May 11, 2023

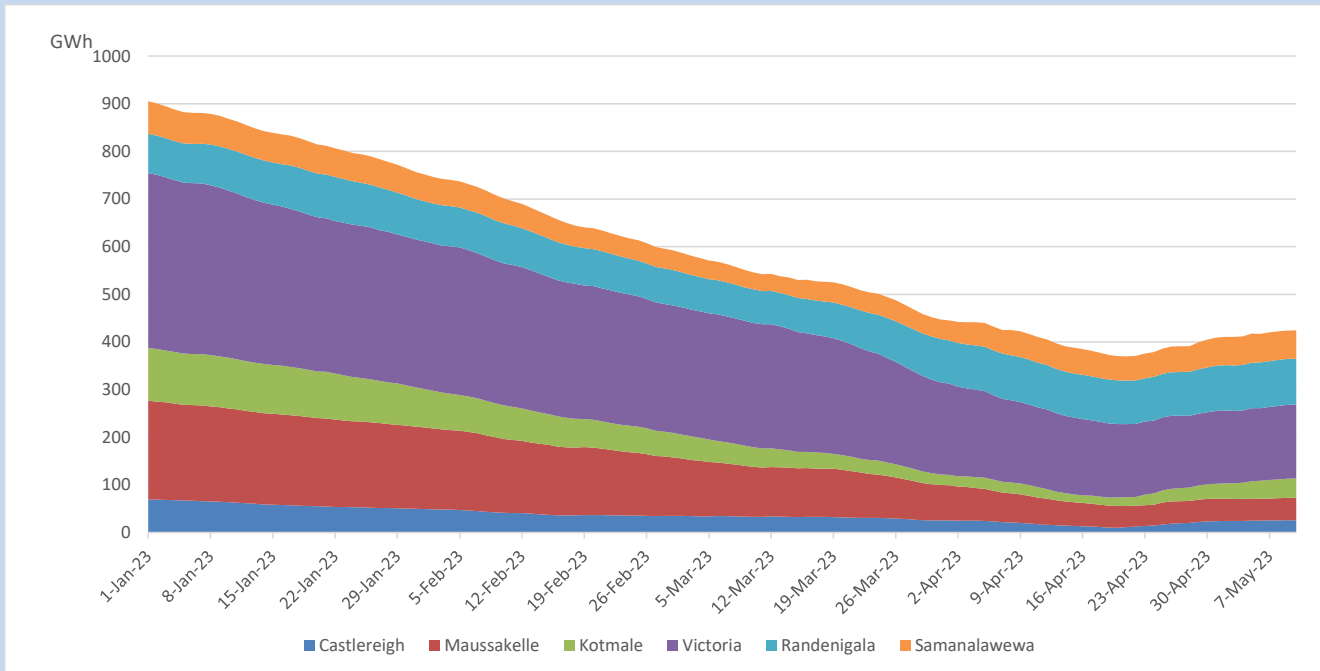


Total Reservoir Level	424.3 GWh
% of Total capacity	35.2%

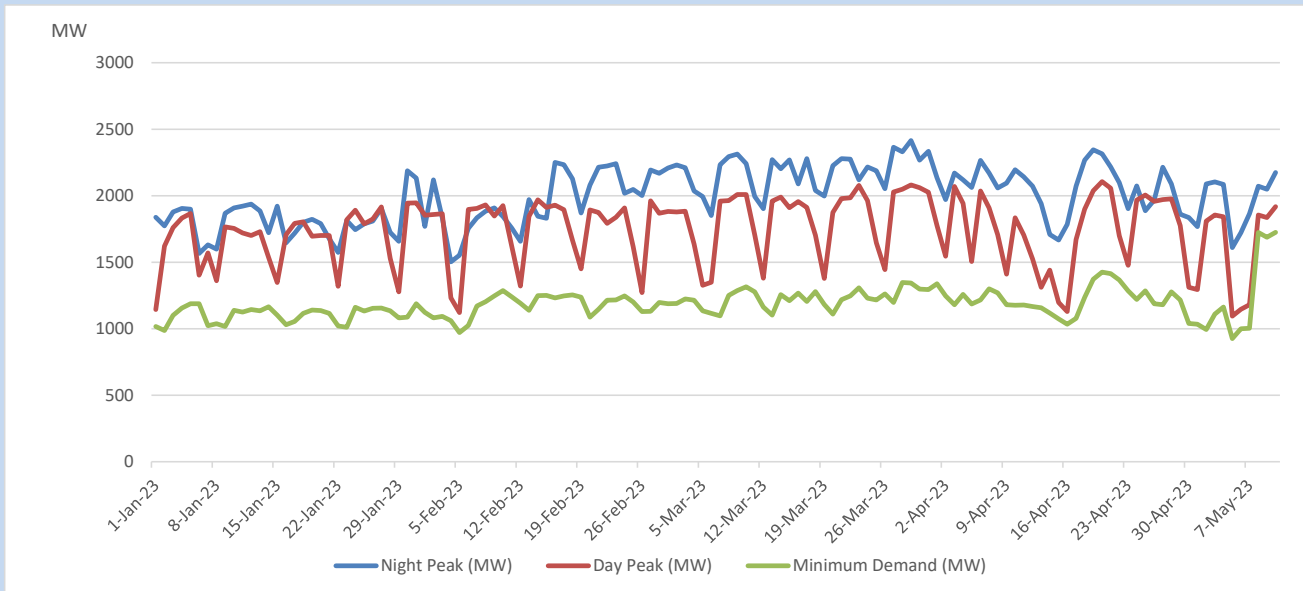
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

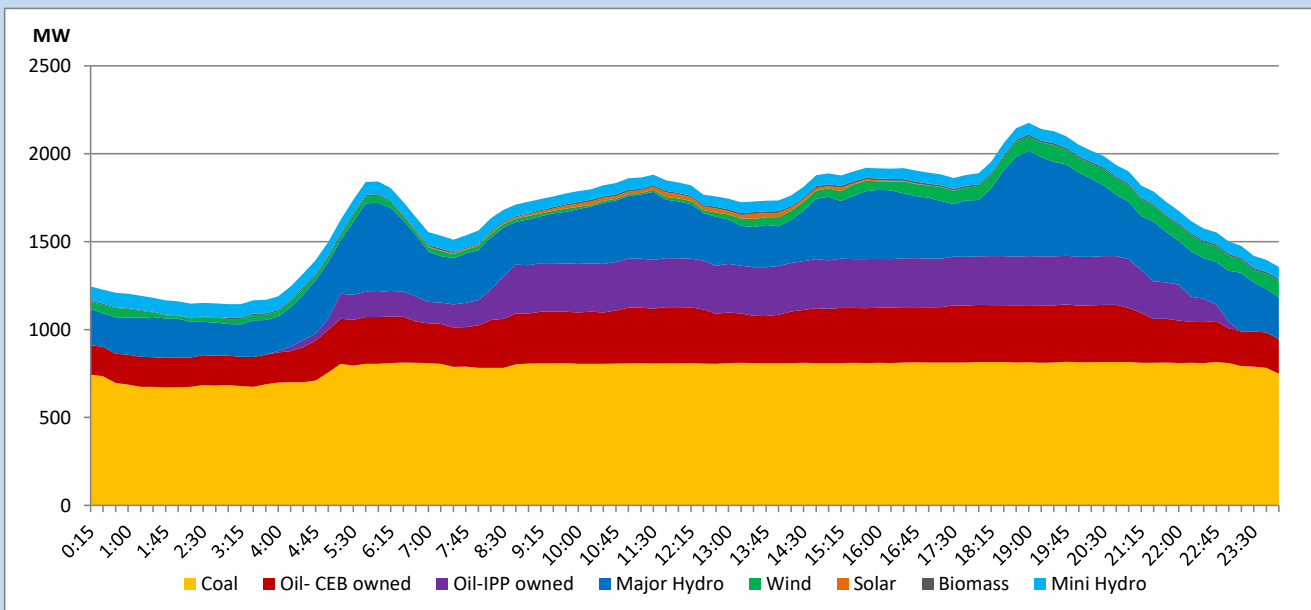


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

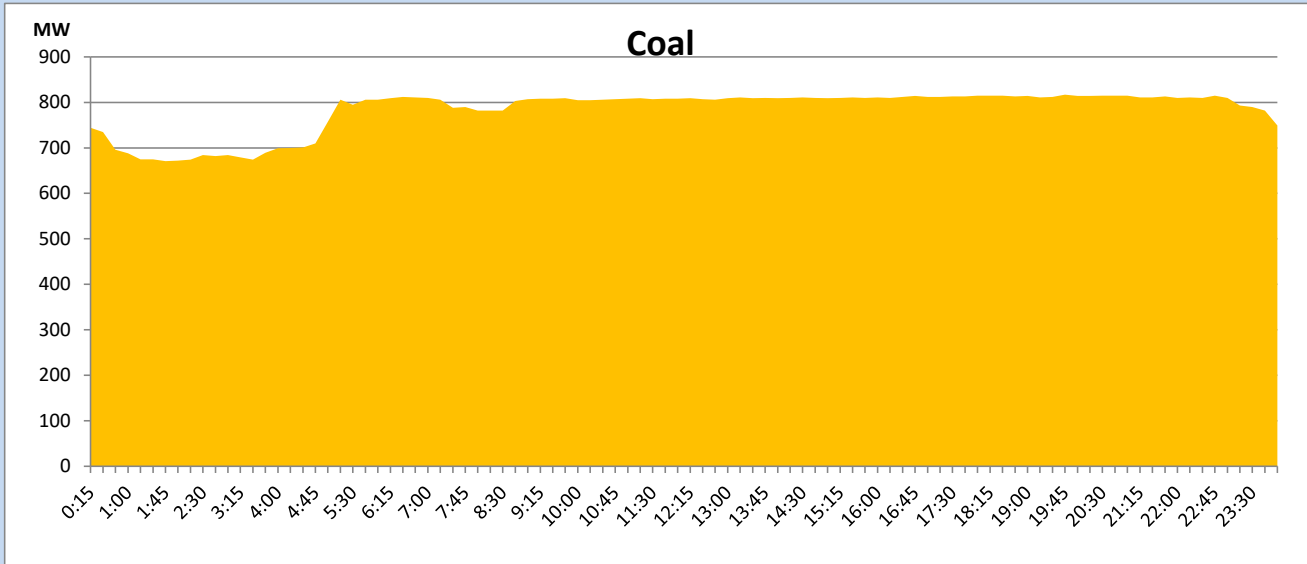
May 10, 2023

Solar and wind data is based on Telemetered Power Stations only



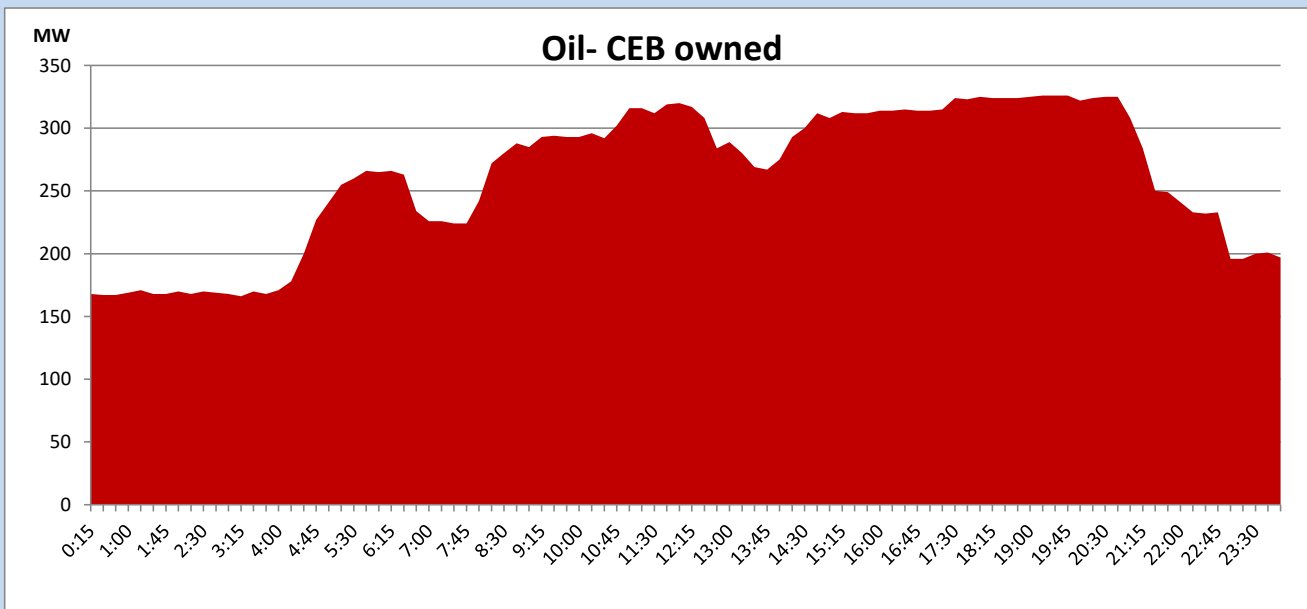
Coal Generation during

May 10, 2023



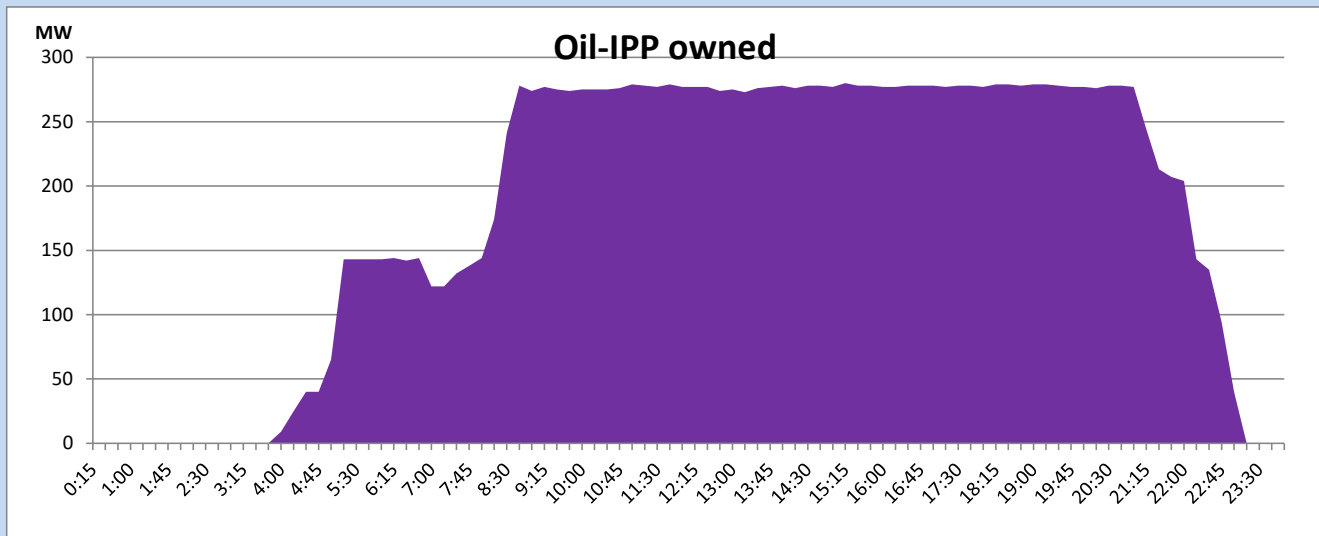
CEB Oil Plant Generation during

May 10, 2023



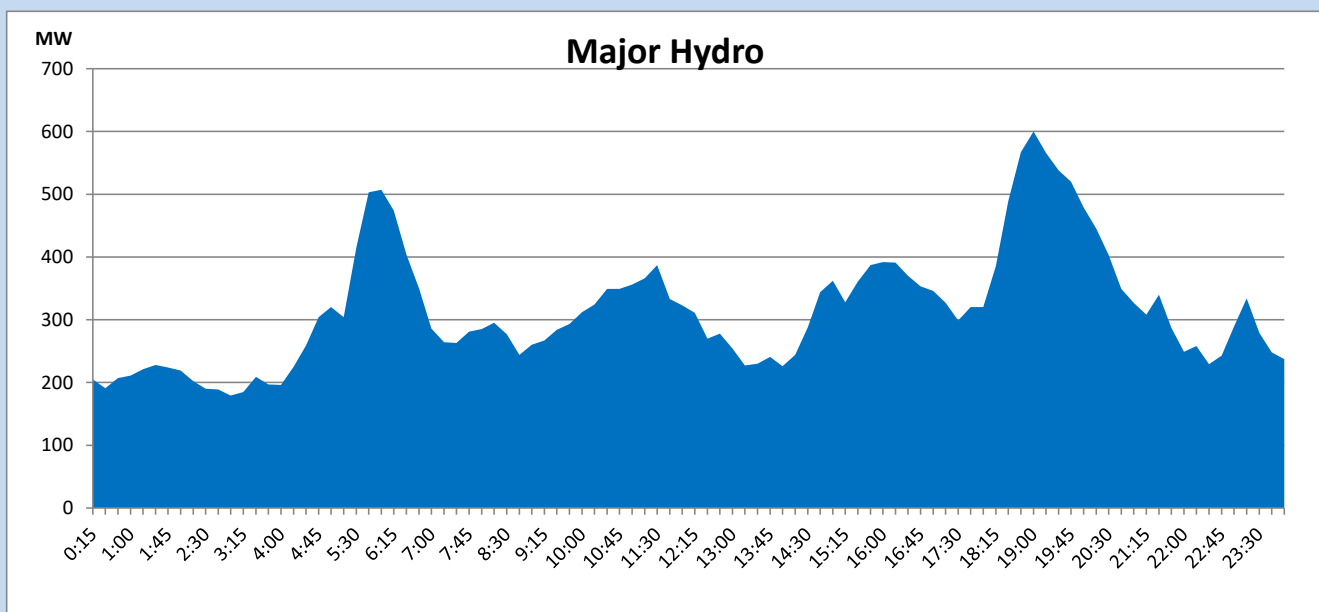
IPP Oil Plant Generation during

May 10, 2023



Major Hydro Generation during

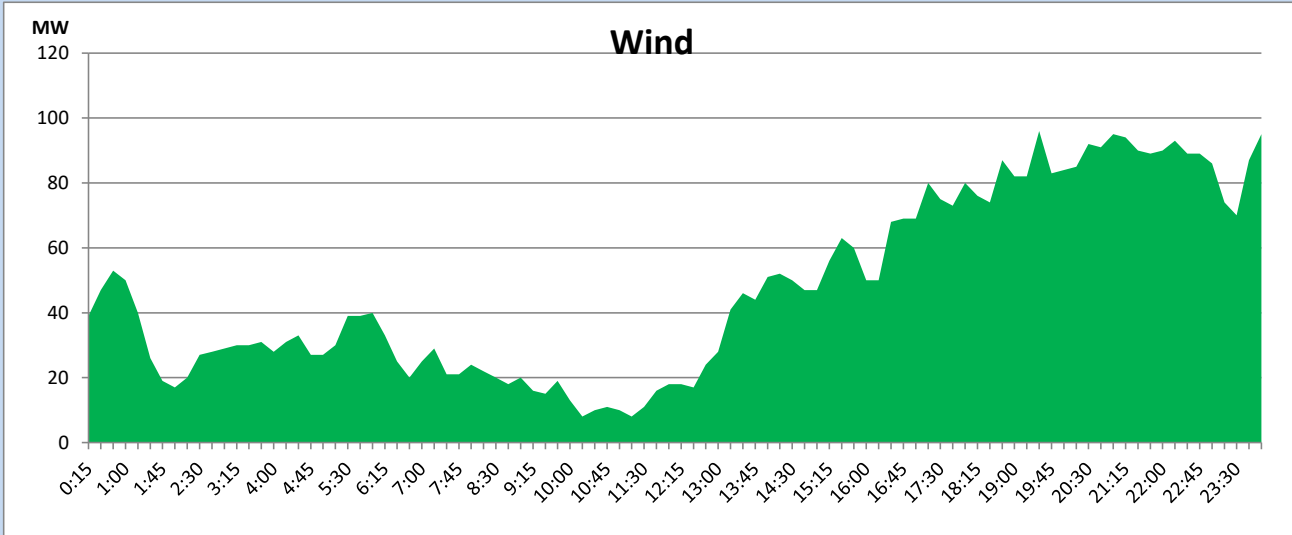
May 10, 2023



Wind Generation during

May 10, 2023

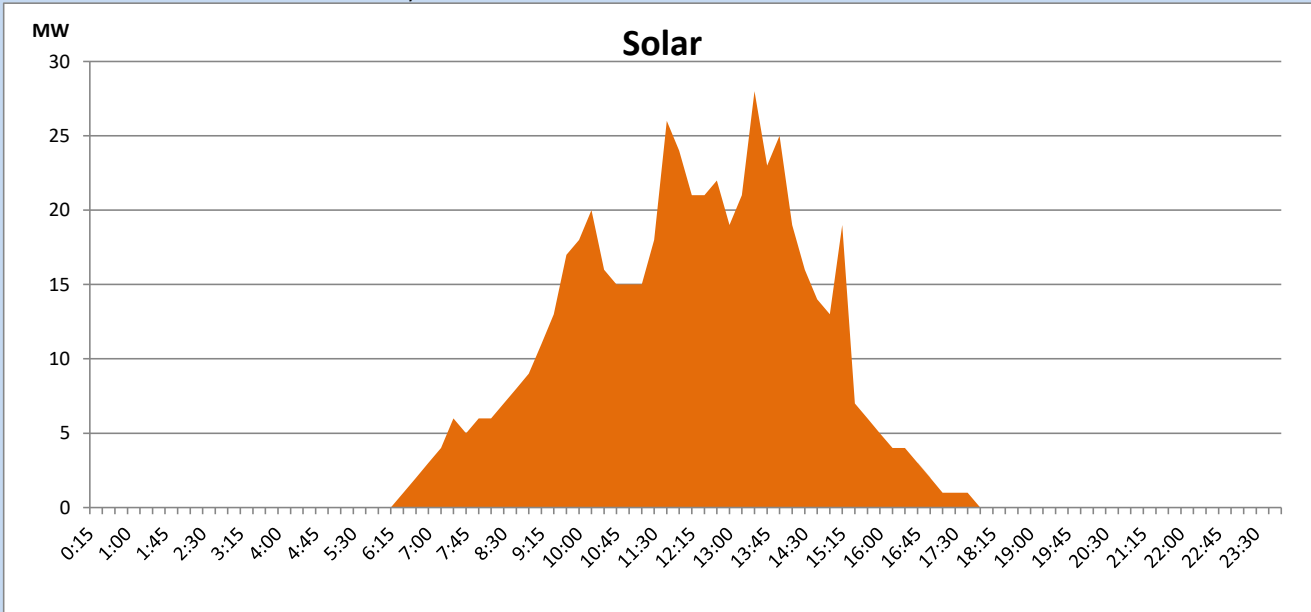
Based on Telemetered Power Stations only



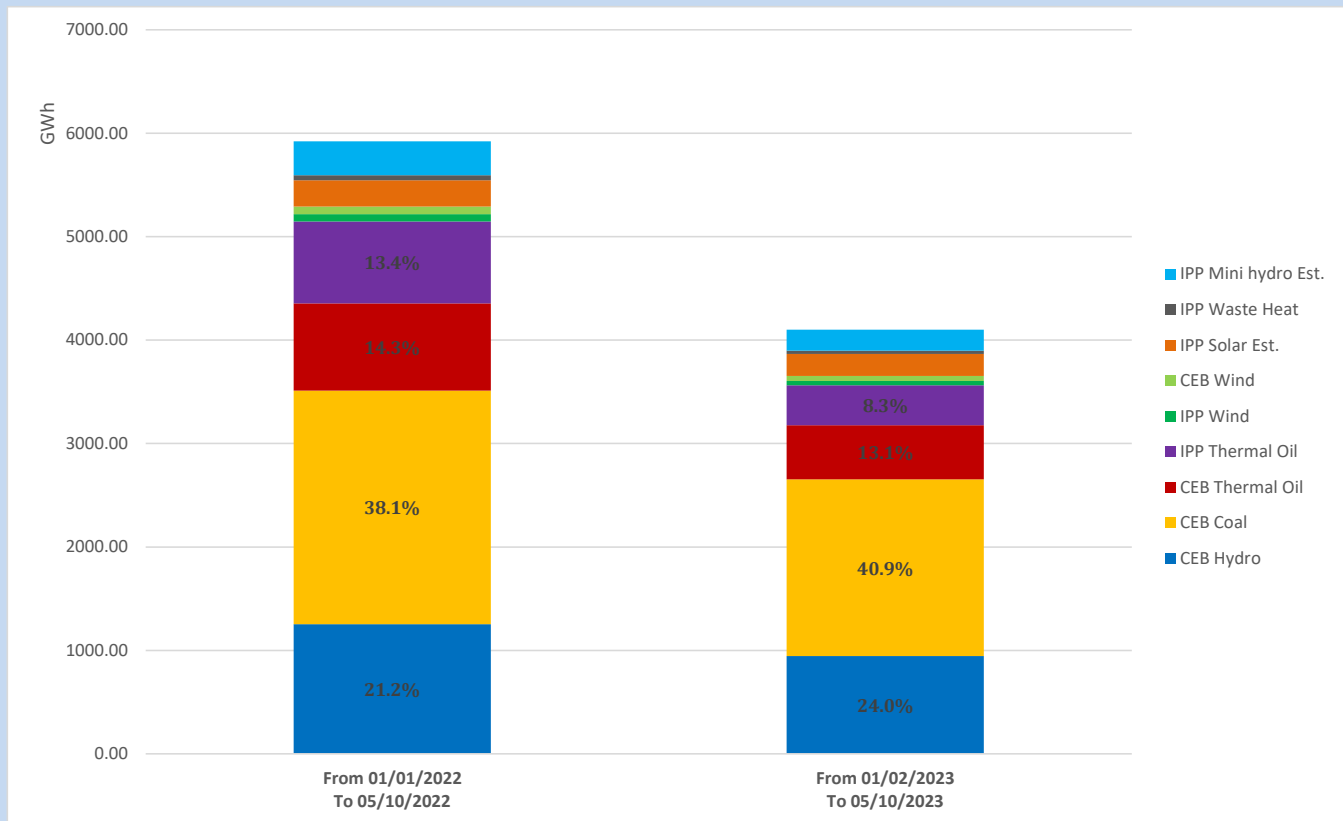
Solar Generation during

May 10, 2023

Based on Telemetered Power Stations only



Cumulative Dispatch Comparison with Last Year



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

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

May 10, 2023

1) New Laxapana Unit 01 tripped at 09:29hrs, rejecting 10MW from the system due to the operation of the accumulator oil level low alarm. New Laxapana Unit 01 resumed generation at 10:27hrs.

2) Kukule Unit 01 tripped at 11:34hrs, rejecting 5MW from the system while doing control testing. Kukule Unit 01 resumed generation at 12:23hrs.