

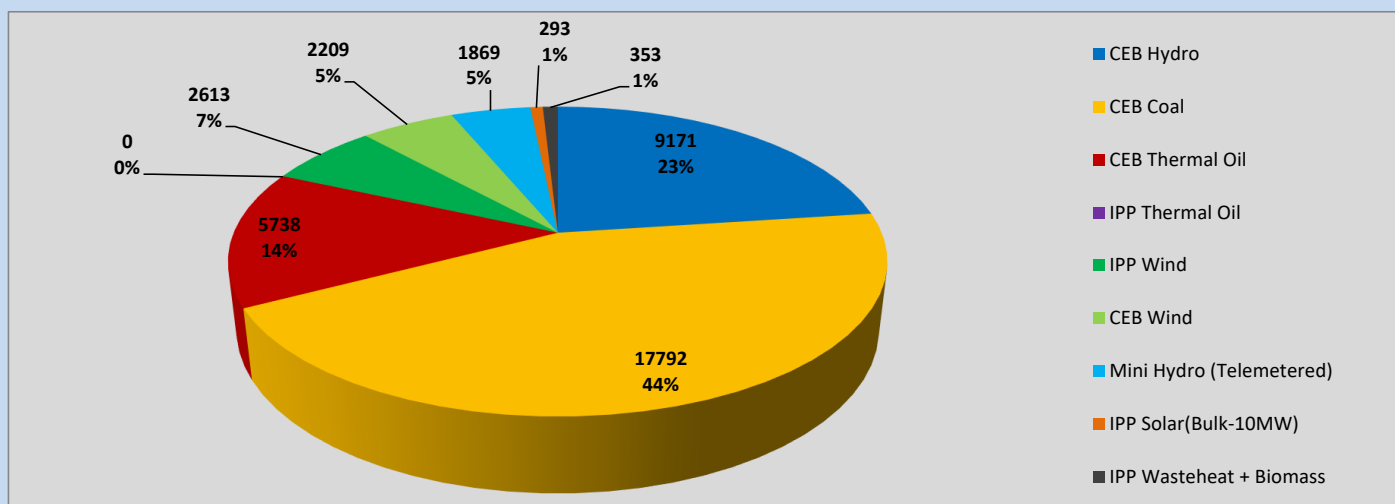
Generation and Reservoirs Statistics

May 12, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,038 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 2121MWh
 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

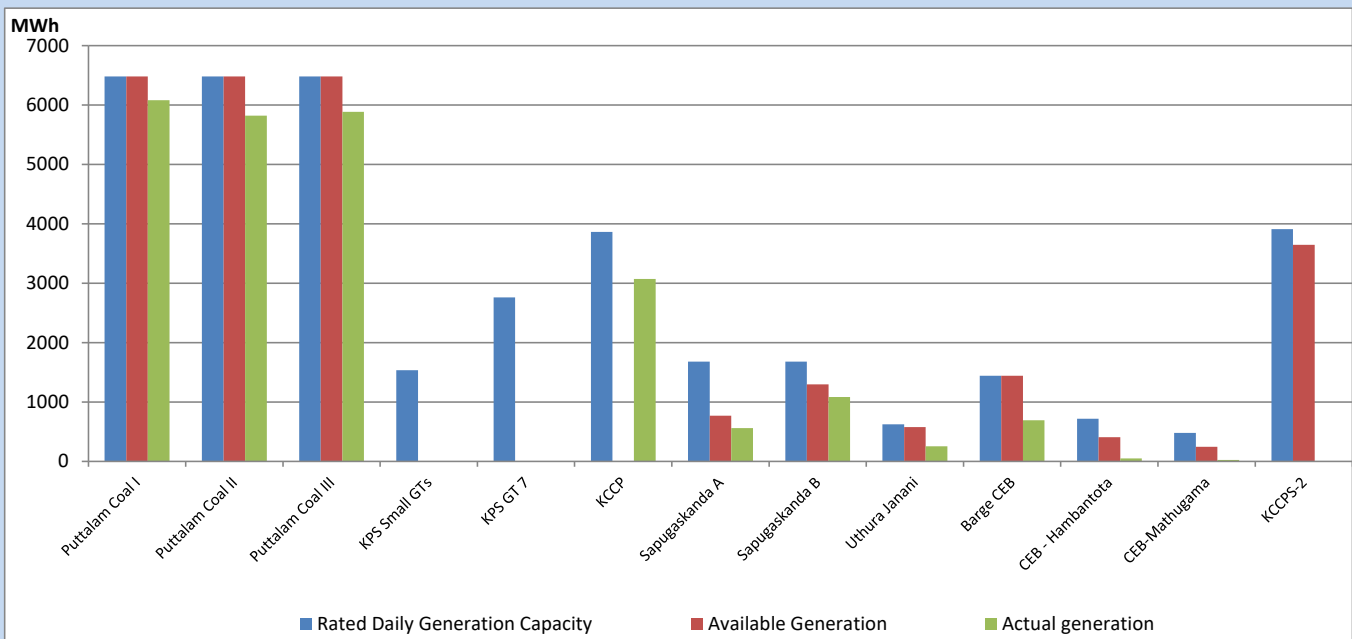
Category	Dispatch (GWh)	Percentage
CEB Hydro	92	21.42%
CEB Coal	222	51.45%
CEB Thermal Oil	53	12.24%
IPP Thermal	28	6.38%
SPP Wind	9	2.20%
CEB Wind	8	1.91%
Mini Hydro (Telemetered)	12	2.80%
IPP Solar (Bulk-10MW)	3	0.68%
IPP Wasteheat + BMP	4	0.93%
Total	431	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,294	25.95%
CEB Coal	2,209	44.31%
CEB Thermal Oil	708	14.20%
IPP Thermal	445	8.93%
SPP Wind	67	1.35%
CEB Wind	78	1.57%
Mini Hydro (Telemetered)	107	2.16%
IPP Solar (Bulk-10MW)	38	0.75%
IPP Wasteheat	39	0.78%
Total	4,985	

CEB owned Thermal Plant Dispatch

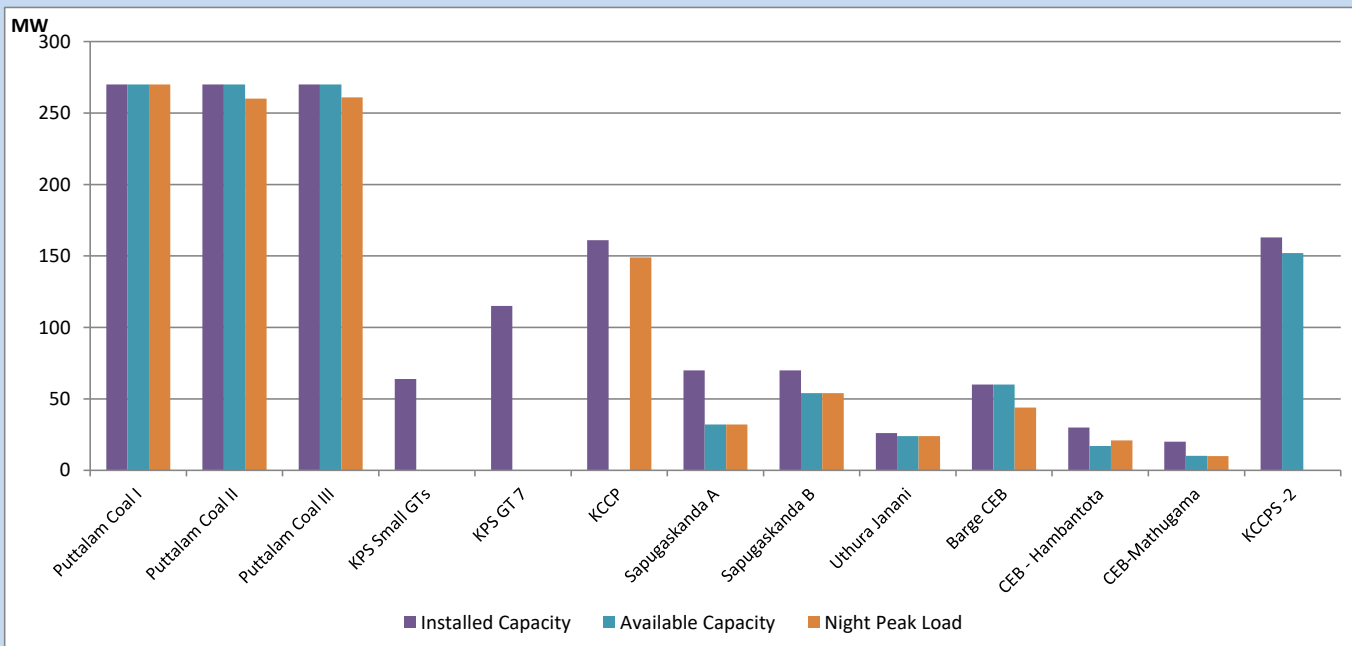
May 12, 2023



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

May 13, 2023

CEB owned Thermal Plant Loading at the Night Peak



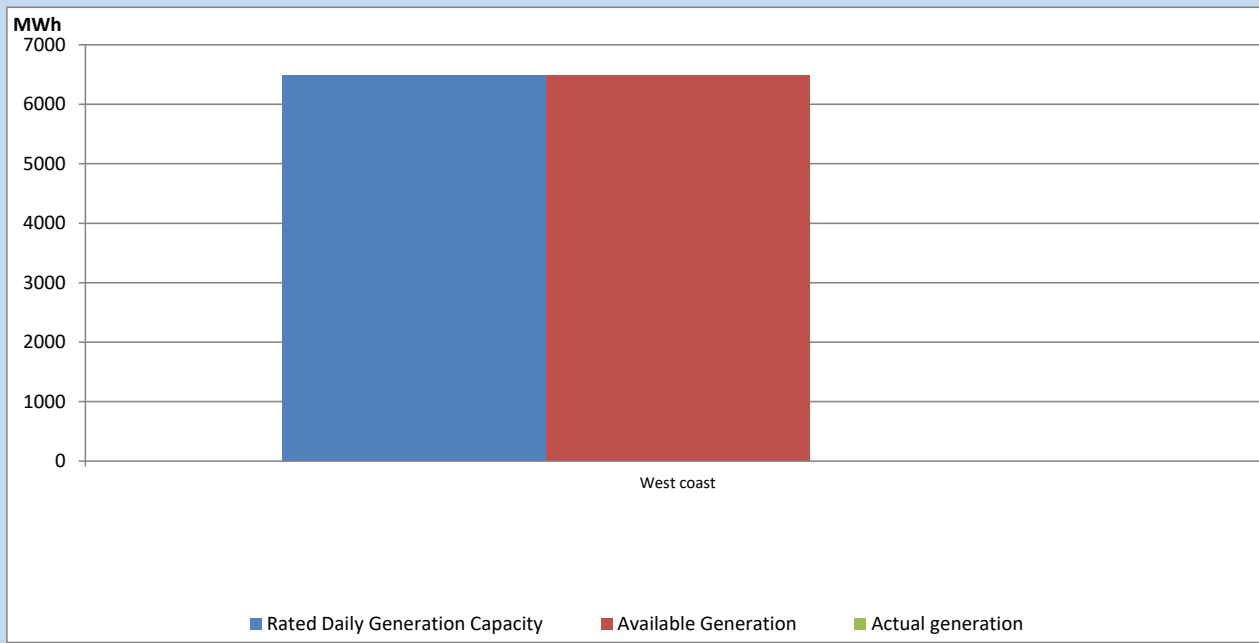
Note-

Plant availability is recorded at 6.00 am on

May 13, 2023

IPP owned Thermal Plant Dispatch

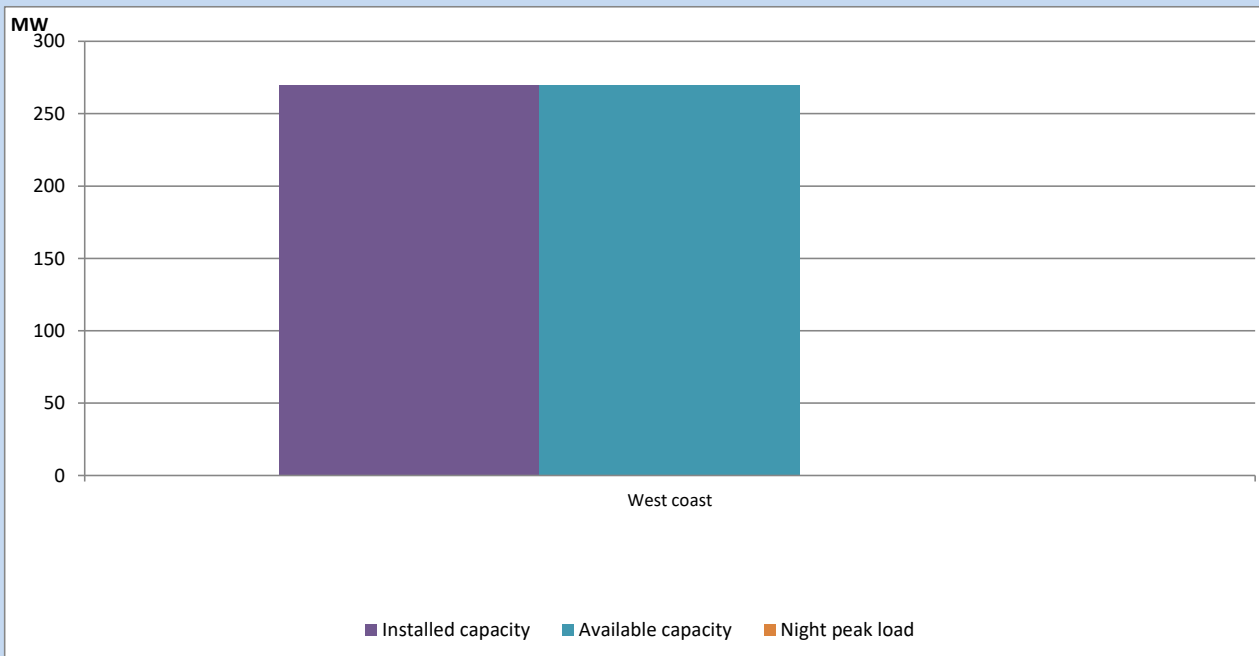
May 12, 2023



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

May 13, 2023

IPP owned Thermal Plant Loading at the Night Peak

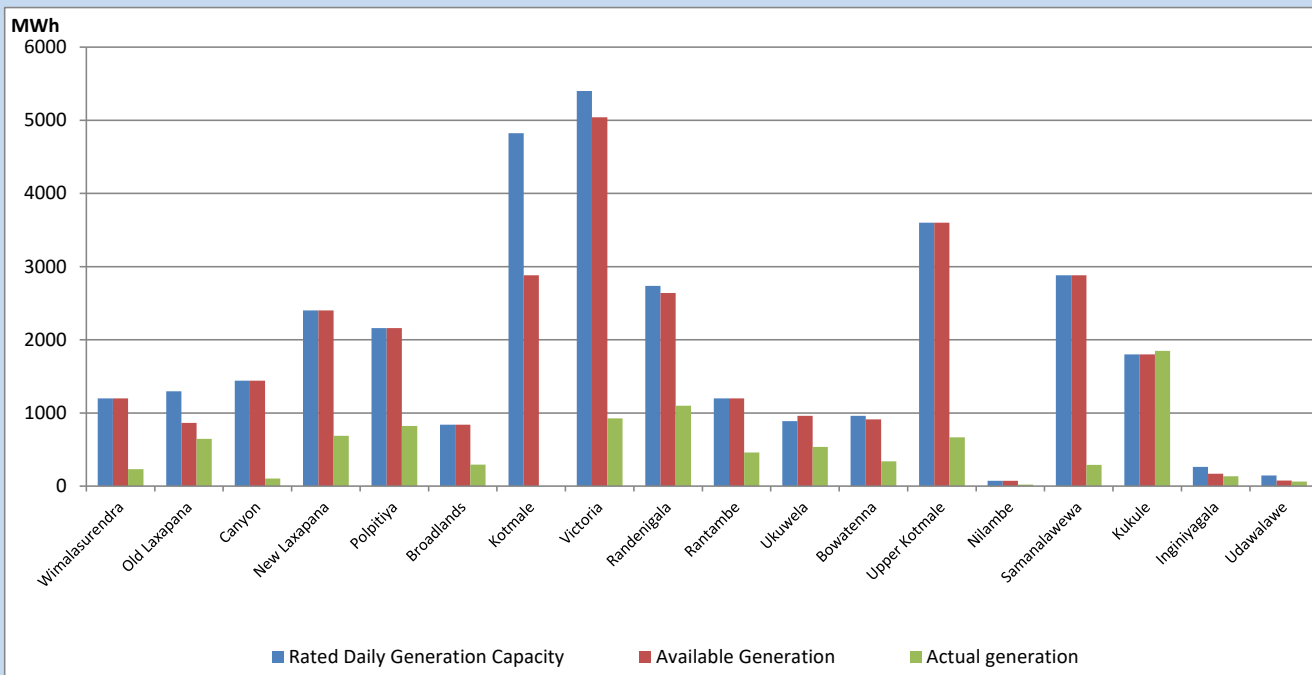


Note- Plant availability is recorded at 6.00 am on

May 13, 2023

Major Hydro Plant Dispatch

May 12, 2023

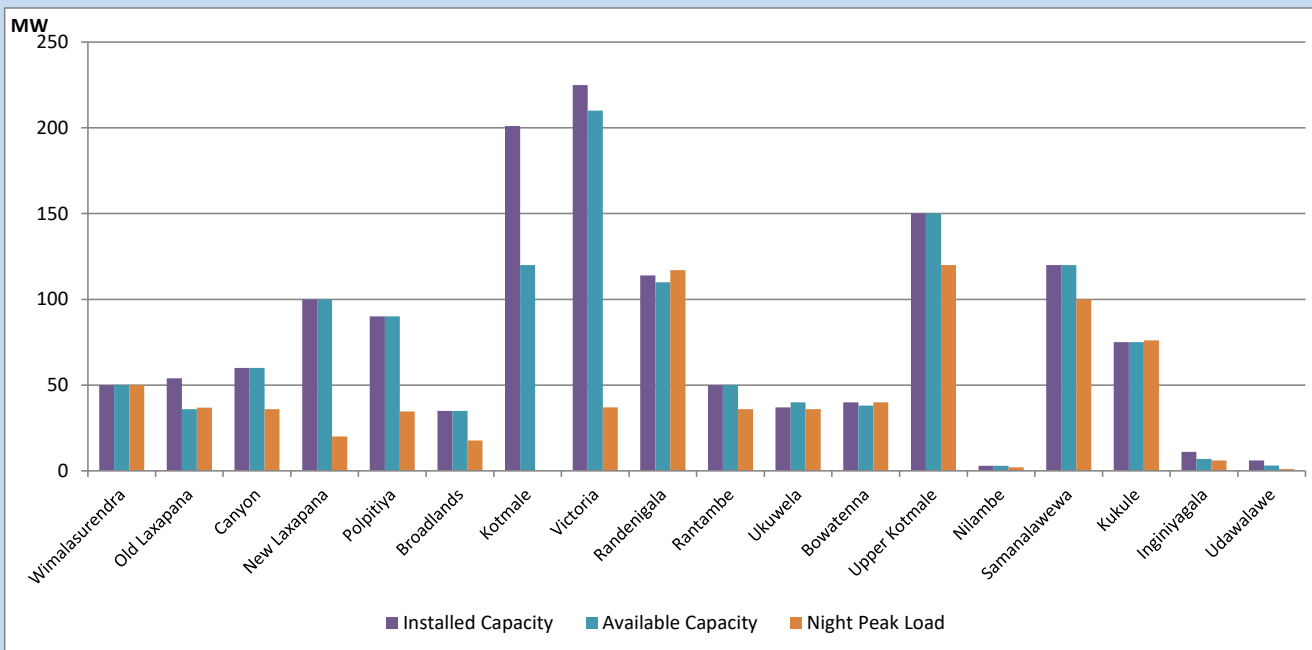


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 13, 2023

Major Hydro Plant Loading at Night Peak

May 12, 2023



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

May 13, 2023

Summary of Major Plant performance

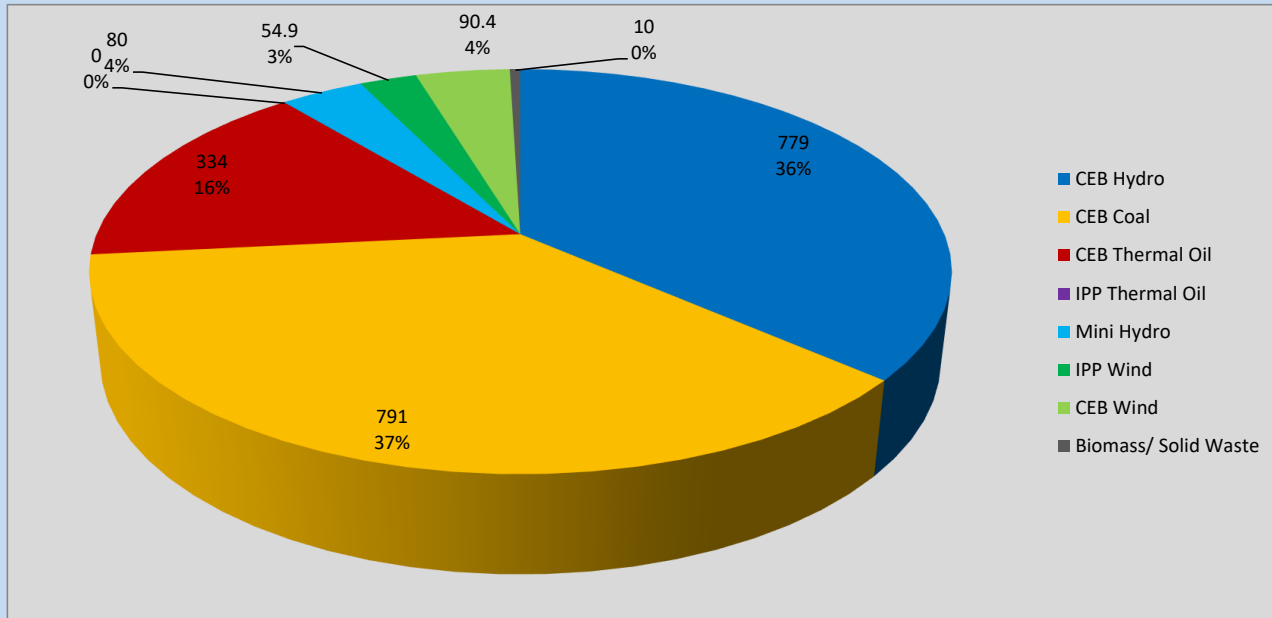
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	231
Old Laxapana	54	36	37	646
Canyon	60	60	36	103
New Laxapana	100	100	20	686
Polpitiya	90	90	35	823
Broadlands	35	35	18	295
Kotmale	201	120	0	0
Victoria	225	210	37	926
Randenigala	114	110	117	1,100
Rantambe	50	50	36	459
Ukuwela	37	40	36	537
Bowatenna	40	38	40	340
Upper Kotmale	150	150	120	668
Nilambe	3	3	2	19
Samanalawewa	120	120	100	289
Kukule	75	75	76	1,850
Inginiyagala	11	7	6	136
Udawalawe	6	3	1	63
Puttalam Coal I	270	270	270	6,083
Puttalam Coal II	270	270	260	5,823
Puttalam Coal III	270	270	261	5,886
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	0	149	3,070
Sapugaskanda A	70	32	32	559
Sapugaskanda B	70	54	54	1,086
Uthura Janani	26	24	24	256
Barge CEB	60	60	44	692
CEB-Hambantota	30	17	21	50
CEB-Mathugama	20	10	10	25
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	152	0	0
West Coast	270	270	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,726	2,127	40,038

Plant availability is the availability recorded at 6 am on

May 13, 2023

Contribution to the Night Peak in MW

May 12, 2023

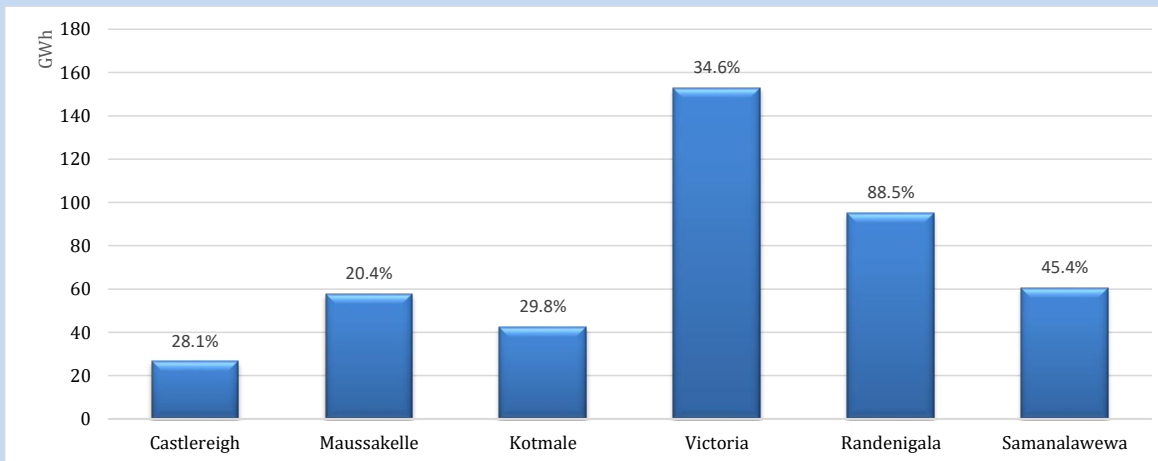


Night Peak*	2,140 MW
Day Peak	1,864 MW
Minimum Demand	1,608 MW

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

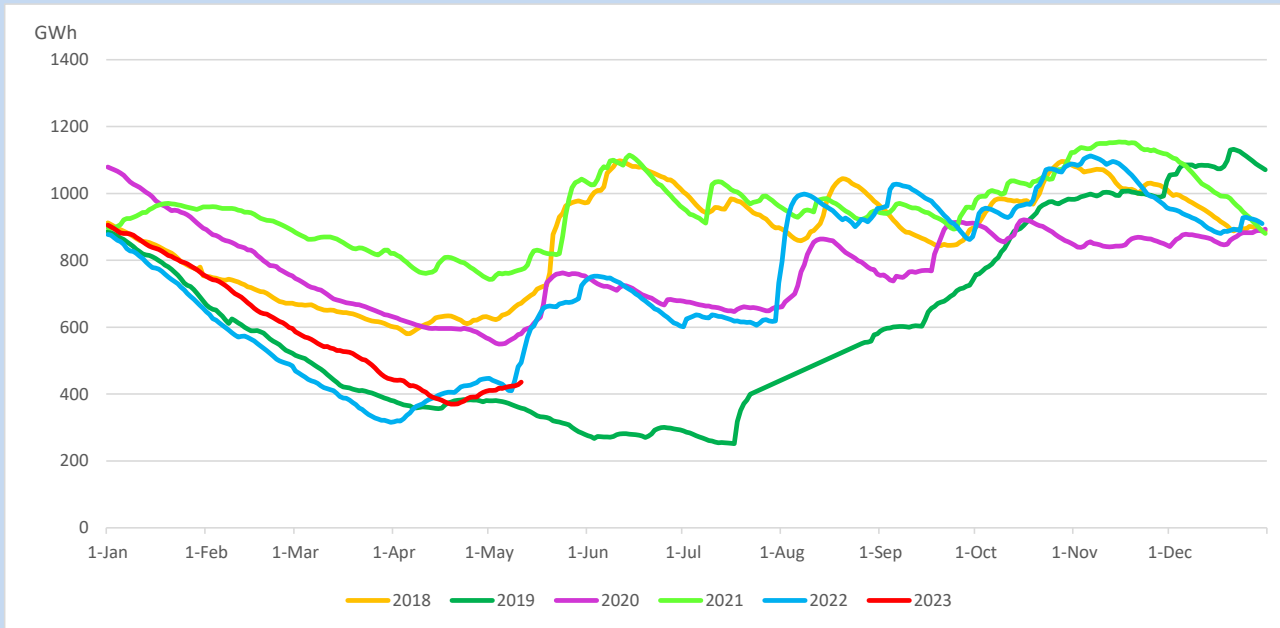
Reservoir Levels -

as at 06.00 Hr on May 13, 2023

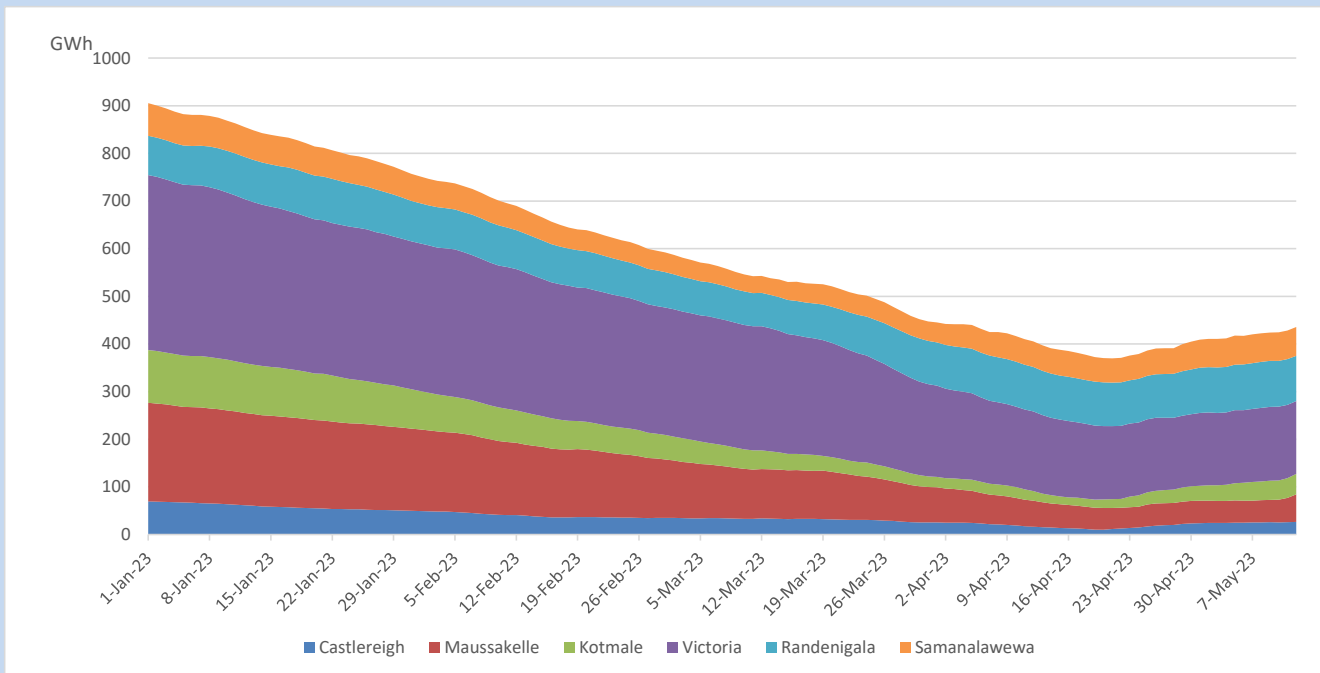


Total Reservoir Level	435.7 GWh
% of Total capacity	36.2%

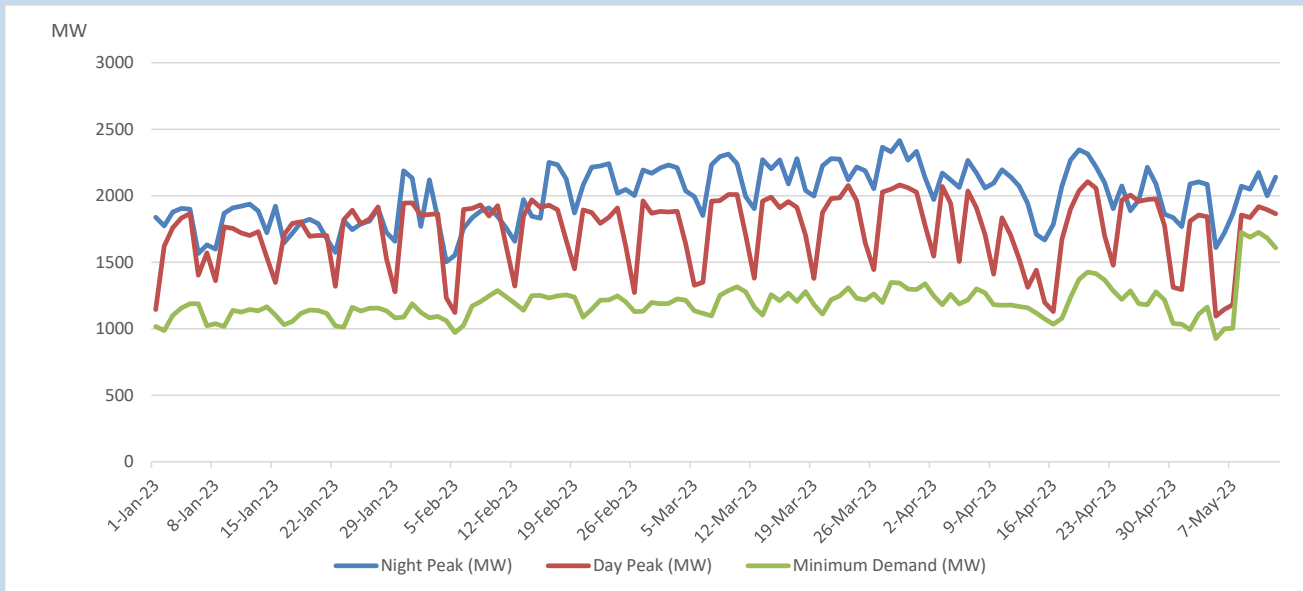
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

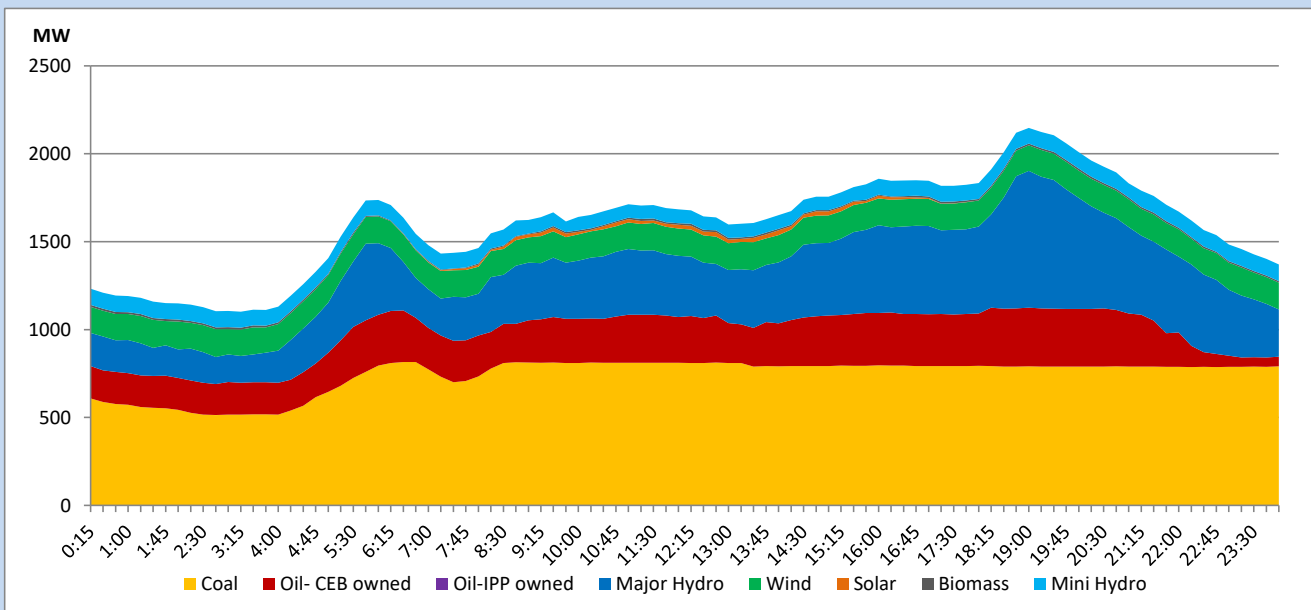


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

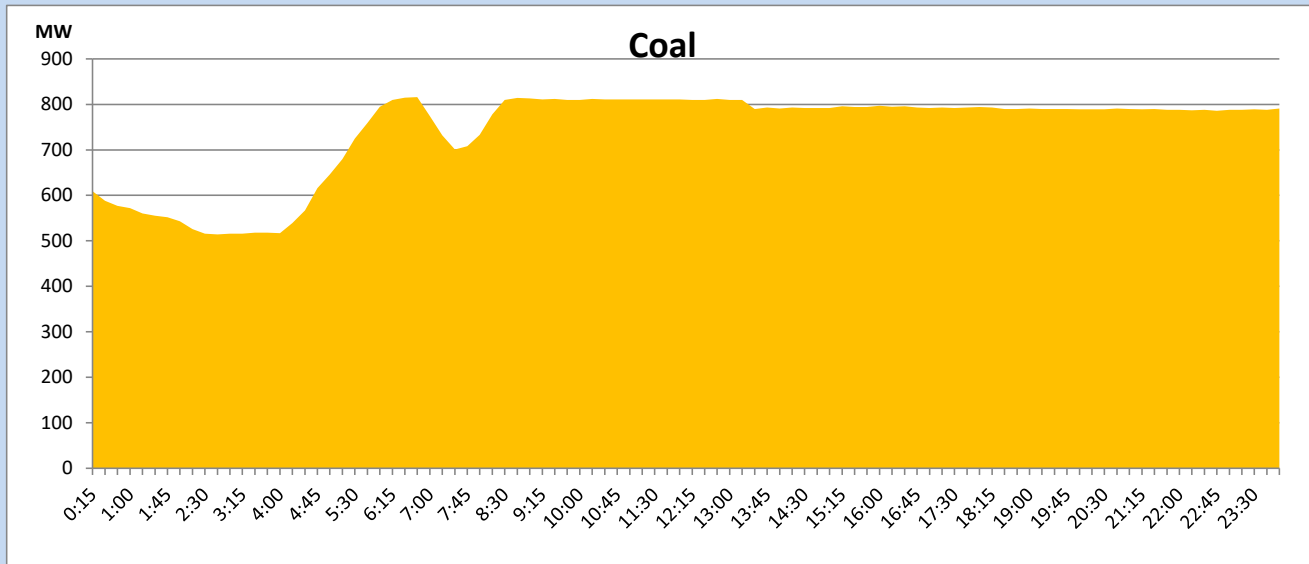
May 12, 2023

Solar and wind data is based on Telemetered Power Stations only



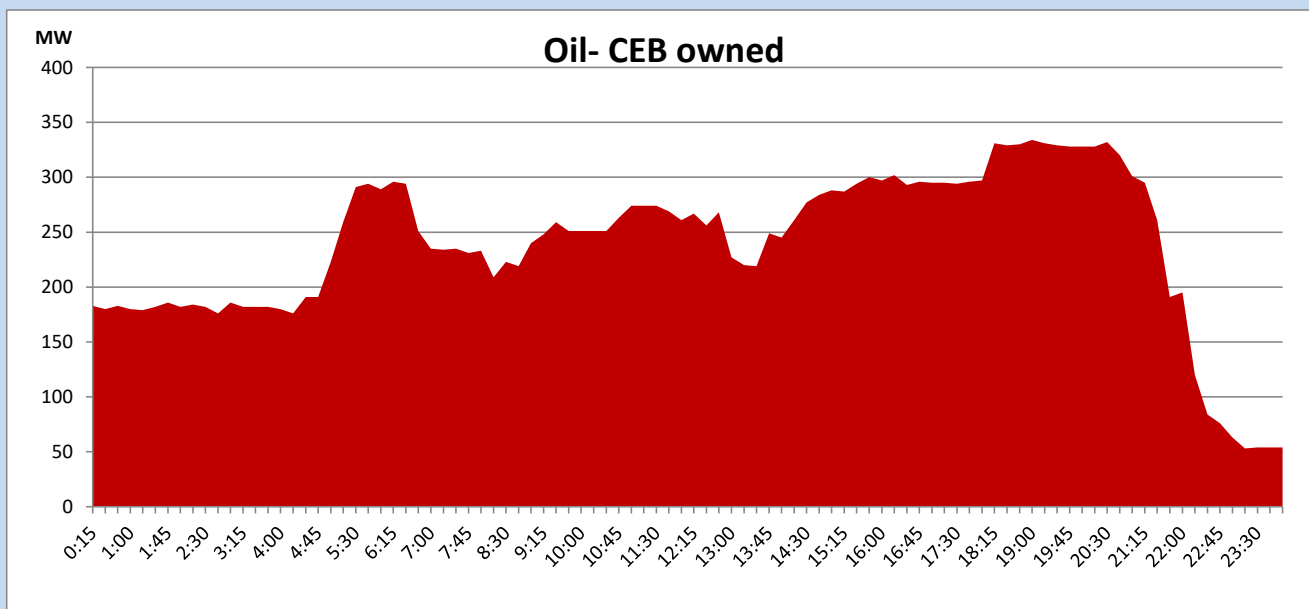
Coal Generation during

May 12, 2023



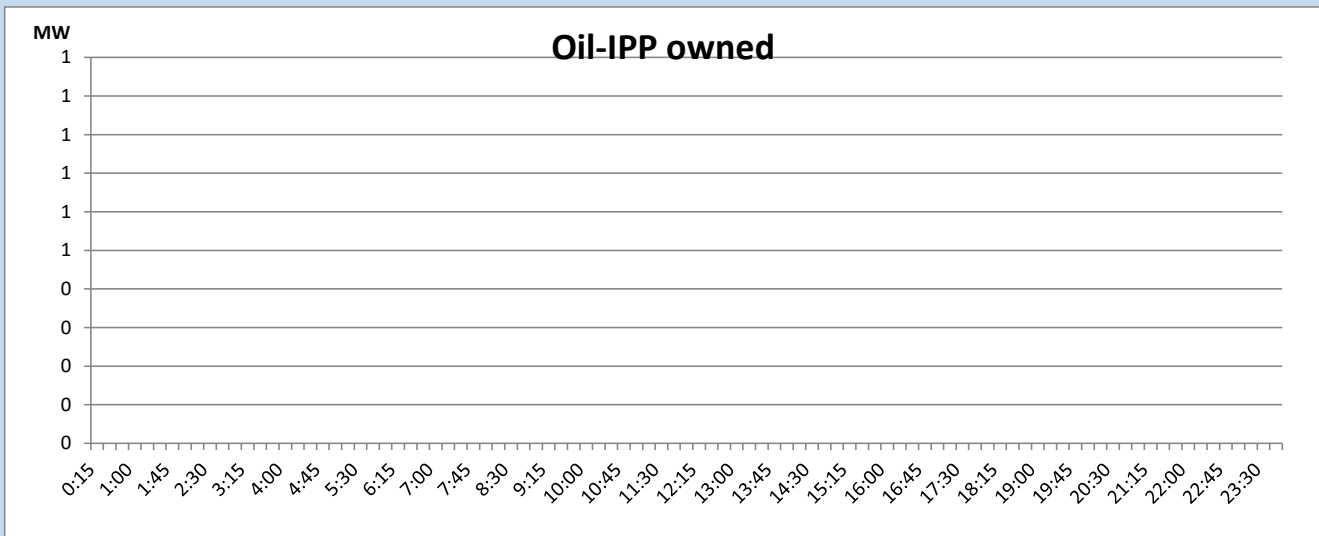
CEB Oil Plant Generation during

May 12, 2023



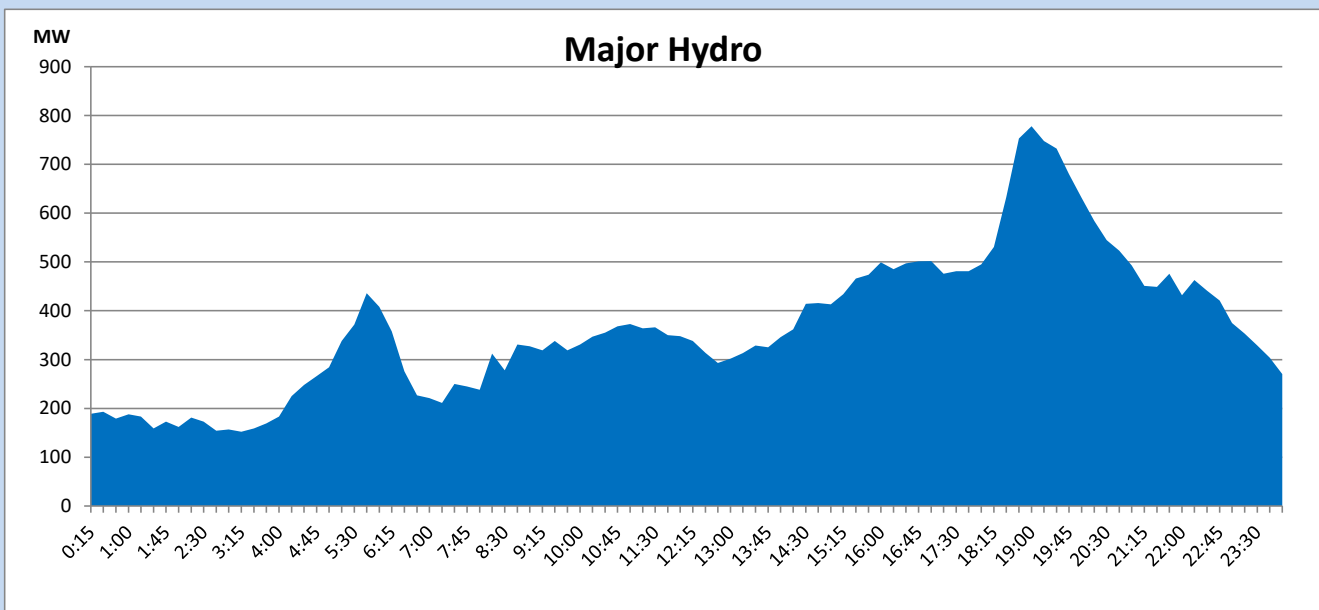
IPP Oil Plant Generation during

May 12, 2023



Major Hydro Generation during

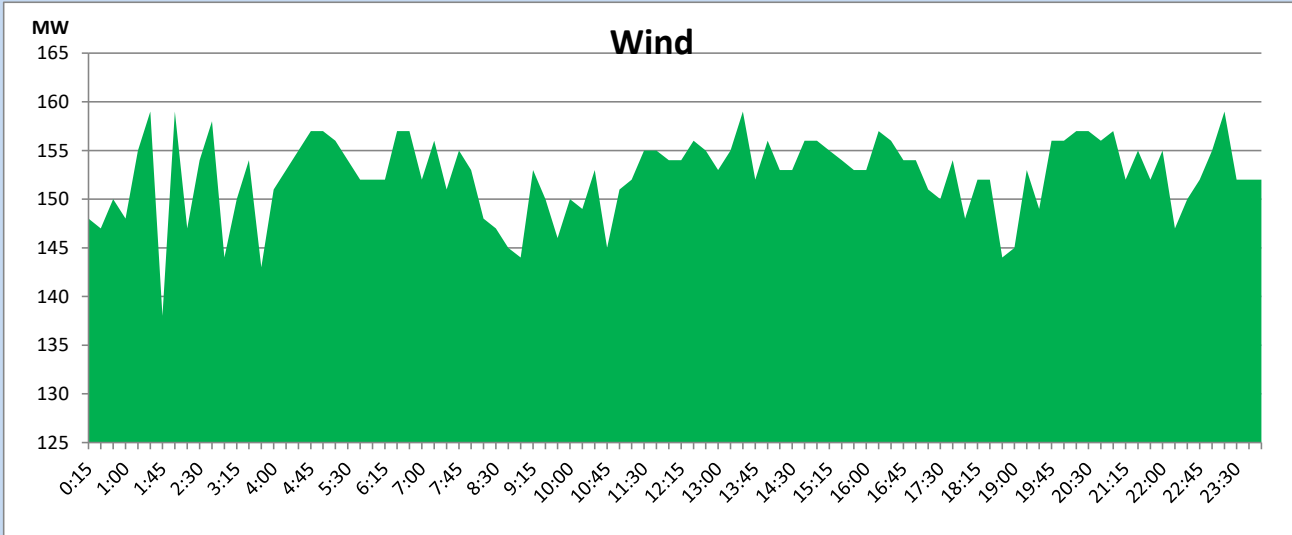
May 12, 2023



Wind Generation during

May 12, 2023

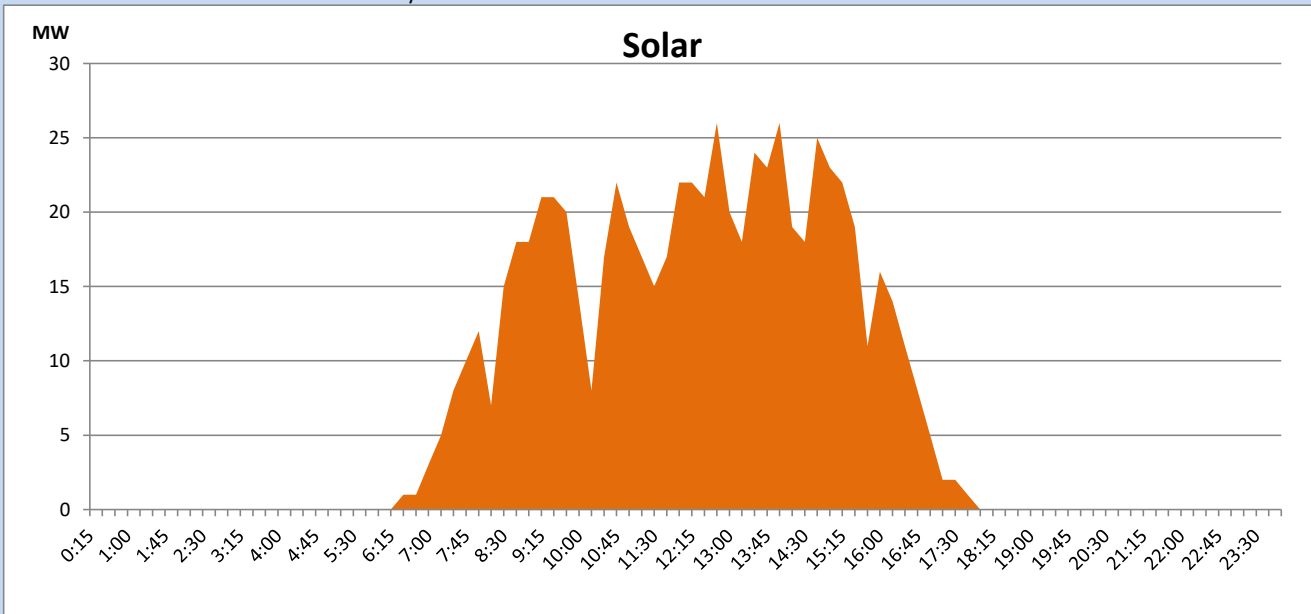
Based on Telemetered Power Stations only



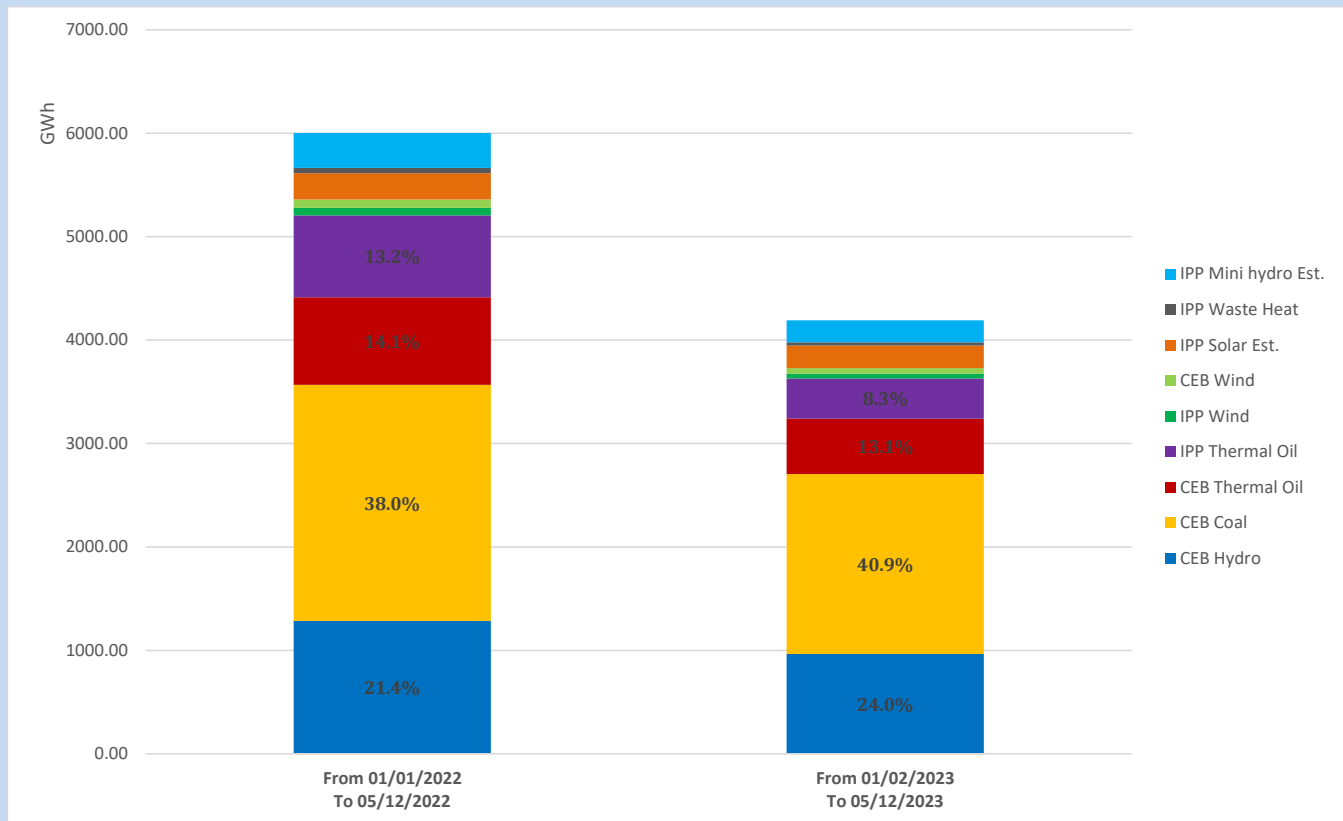
Solar Generation during

May 12, 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 12, 2023

1) N'Polpitiya – Thulhiriya – Athrugiriya cct tripped from all ends at 9:29hrs due to operation of Distance protection. N'Polpitiya – Thulhiriya – Athrugiriya cct restored from N'Polpitiya and Thulhiriya end only at 17:13hrs. in the same cct, Athrugiriya to tower No. 152 is yet to be restored.

2) Kukule spilling started at 14:17hrs and continues to present hour.