

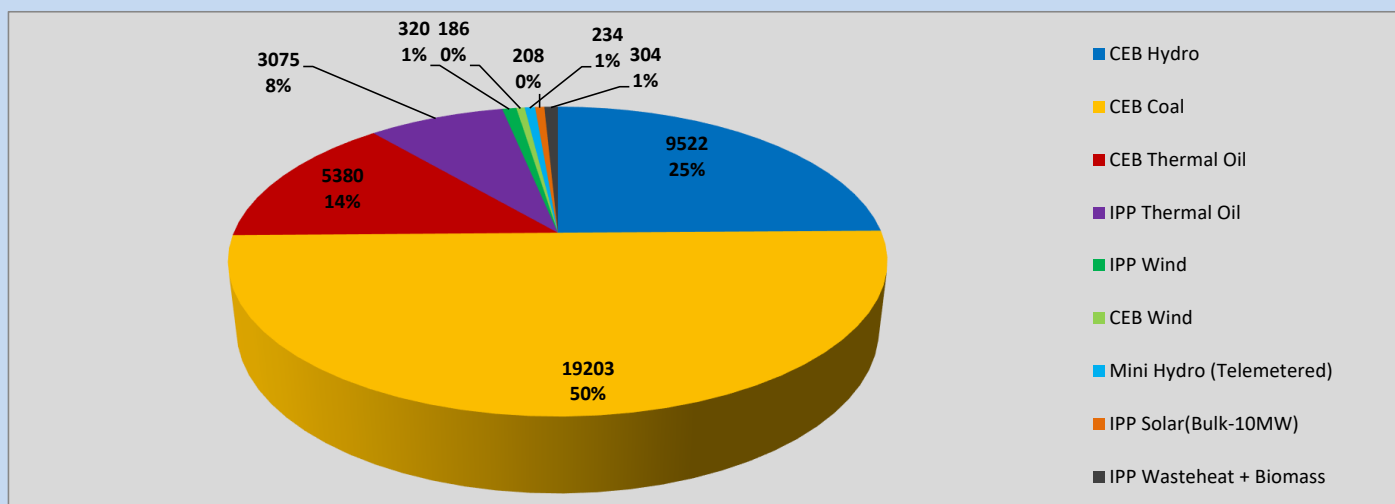
Generation and Reservoirs Statistics

May 8, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

38,432 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 3756MWh

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

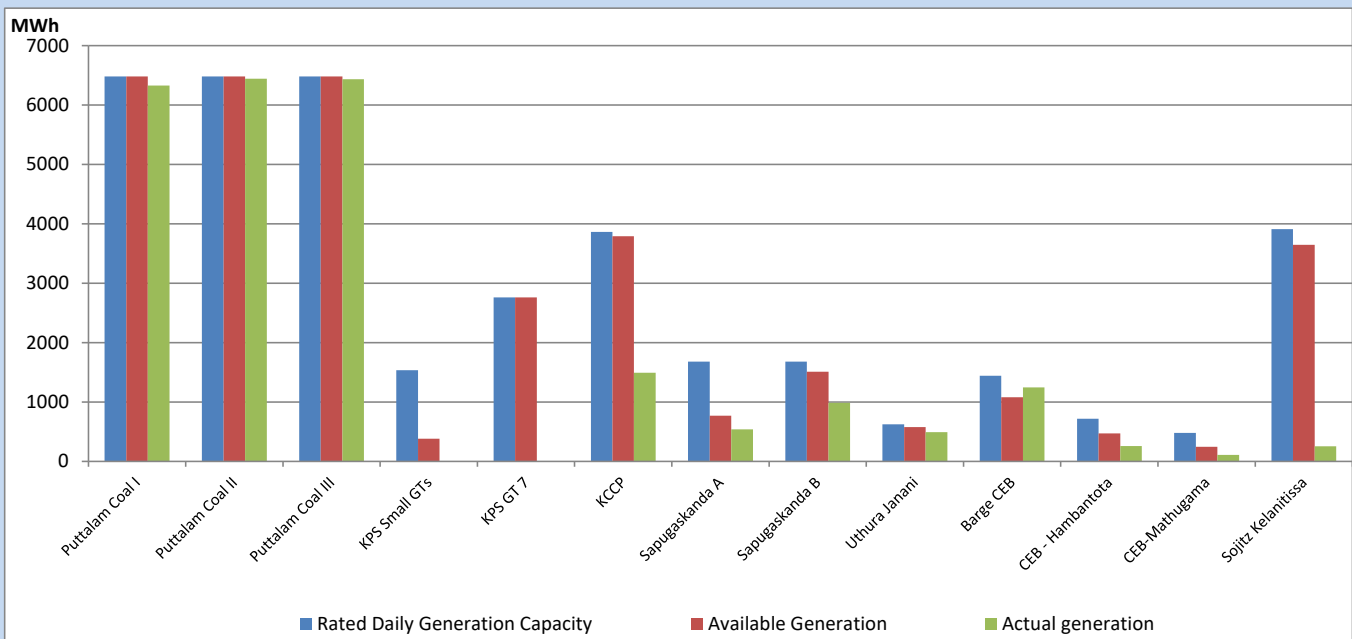
Category	Dispatch (GWh)	
CEB Hydro	60	22.24%
CEB Coal	149	54.83%
CEB Thermal Oil	28	10.36%
IPP Thermal	17	6.12%
SPP Wind	3	1.18%
CEB Wind	3	1.10%
Mini Hydro (Telemetered)	7	2.56%
IPP Solar(Bulk-10MW)	2	0.69%
IPP Wasteheat + BMP	2	0.91%
Total	271	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,262	26.15%
CEB Coal	2,136	44.26%
CEB Thermal Oil	683	14.16%
IPP Thermal	434	9.00%
SPP Wind	61	1.27%
CEB Wind	73	1.51%
Mini Hydro (Telemetered)	102	2.12%
IPP Solar(Bulk-10MW)	36	0.76%
IPP Wasteheat	37	0.77%
Total	4,825	

CEB owned Thermal Plant Dispatch

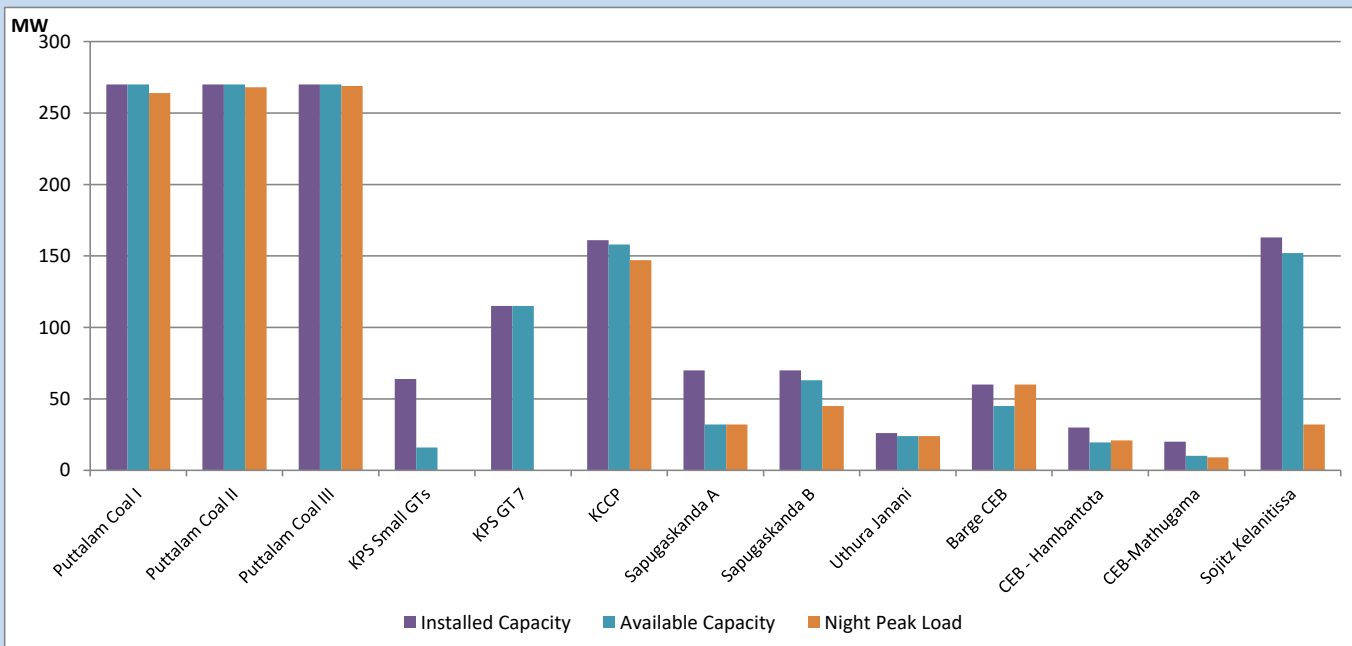
May 8, 2023



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

May 9, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note-

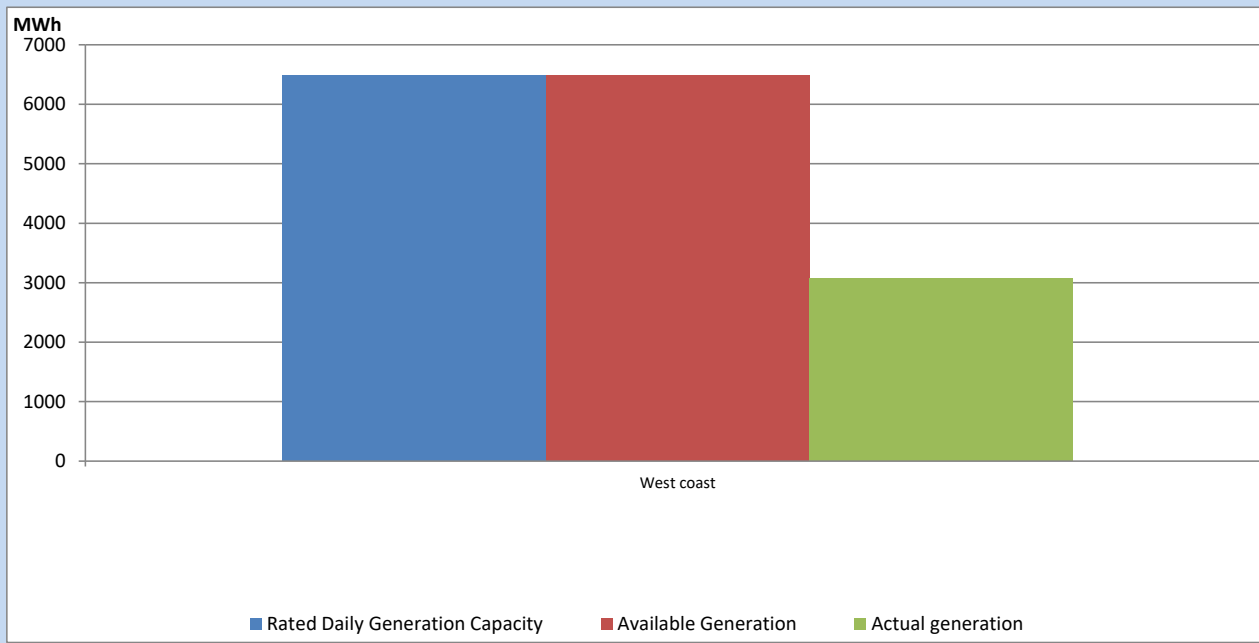
Plant availability is recorded at 6.00 am on

May 9, 2023

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

IPP owned Thermal Plant Dispatch

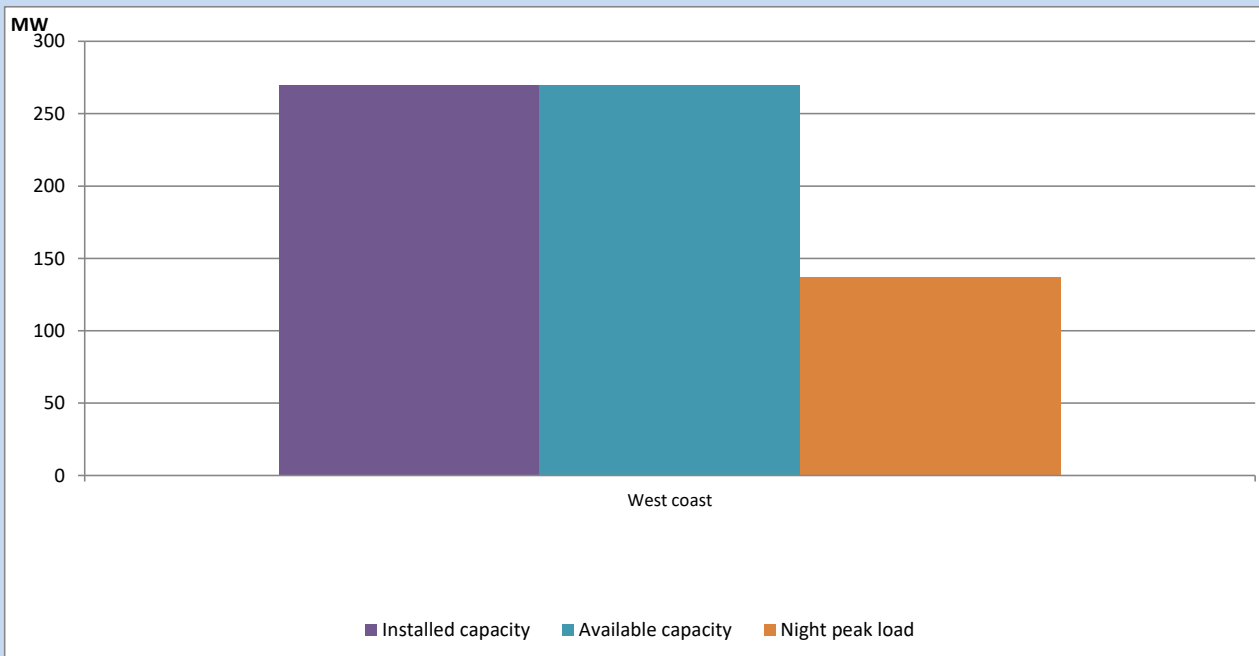
May 8, 2023



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

May 9, 2023

IPP owned Thermal Plant Loading at the Night Peak

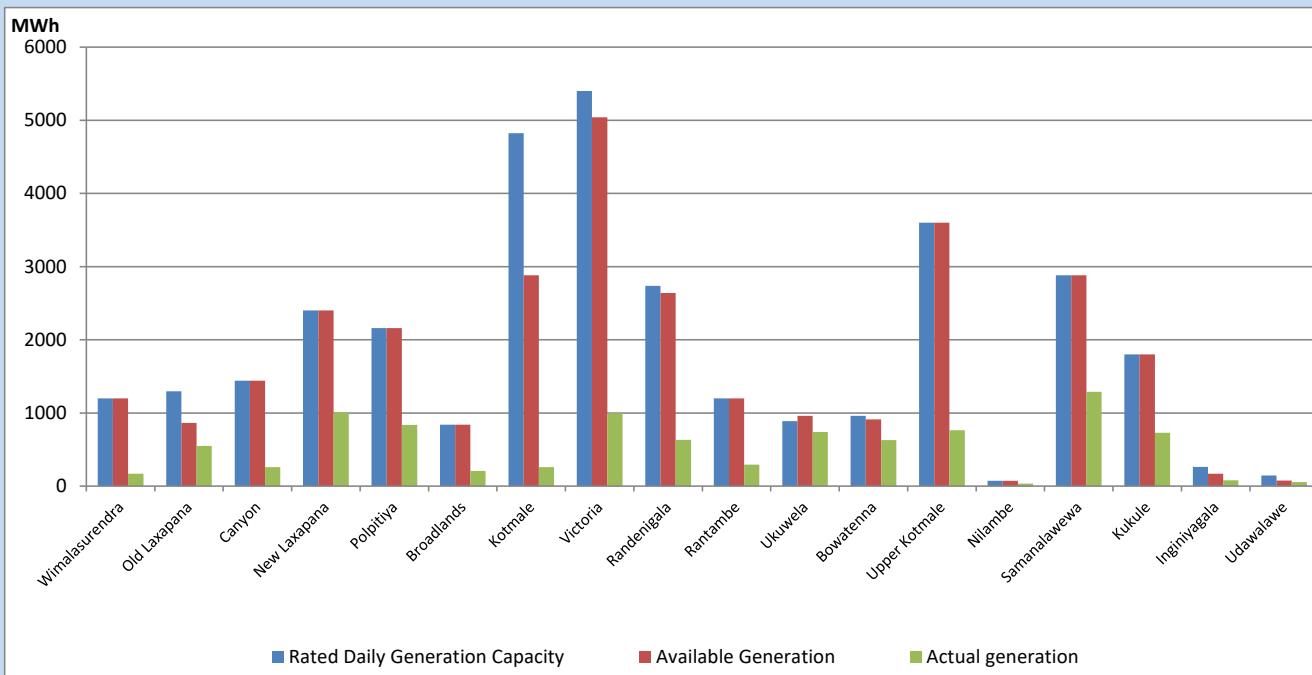


Note- Plant availability is recorded at 6.00 am on

May 9, 2023

Major Hydro Plant Dispatch

May 8, 2023

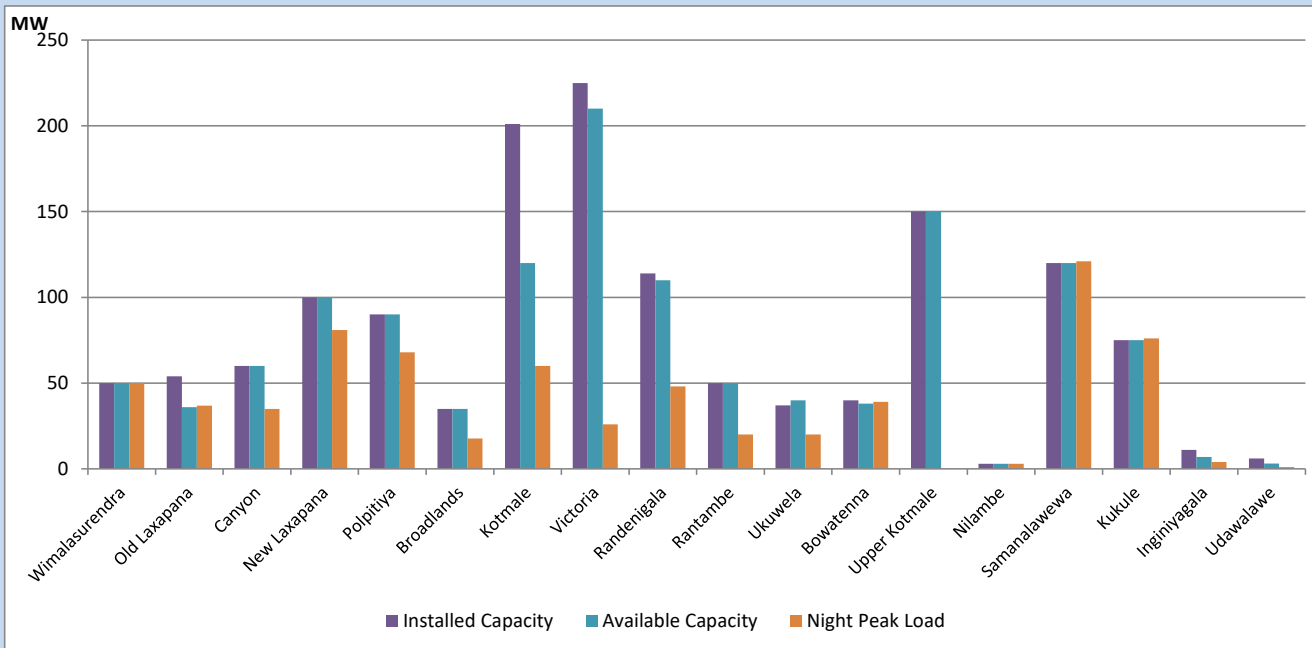


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 9, 2023

Major Hydro Plant Loading at Night Peak

May 8, 2023



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

May 9, 2023

Summary of Major Plant performance

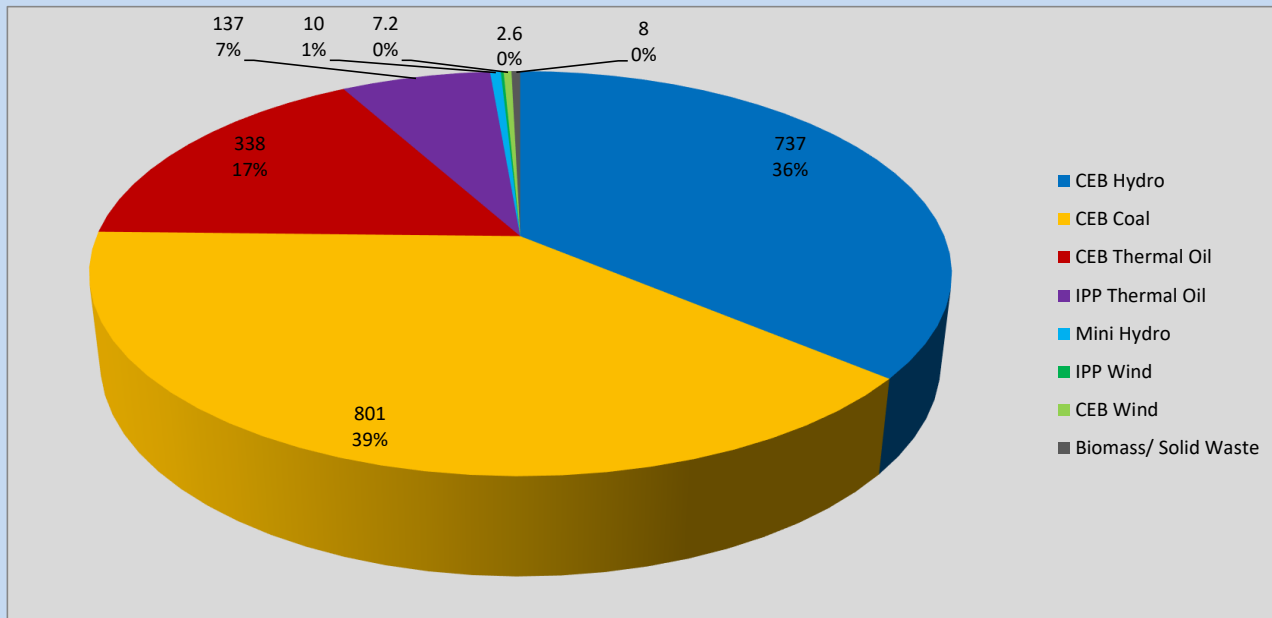
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	168
Old Laxapana	54	36	37	549
Canyon	60	60	35	259
New Laxapana	100	100	81	1,009
Polpitiya	90	90	68	836
Broadlands	35	35	18	208
Kotmale	201	120	60	260
Victoria	225	210	26	994
Randenigala	114	110	48	632
Rantambe	50	50	20	295
Ukuwela	37	40	20	738
Bowatenna	40	38	39	628
Upper Kotmale	150	150	0	762
Nilambe	3	3	3	34
Samanalawewa	120	120	121	1,288
Kukule	75	75	76	728
Inginiyagala	11	7	4	80
Udawalawe	6	3	1	54
Puttalam Coal I	270	270	264	6,329
Puttalam Coal II	270	270	268	6,441
Puttalam Coal III	270	270	269	6,433
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	147	1,495
Sapugaskanda A	70	32	32	540
Sapugaskanda B	70	63	45	987
Uthura Janani	26	24	24	491
Barge CEB	60	45	60	1,246
CEB-Hambantota	30	20	21	257
CEB-Mathugama	20	10	9	109
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	152	32	255
West Coast	270	270	137	3,075
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	3,012	2,042	38,432

Plant availability is the availability recorded at 6 am on

May 9, 2023

Contribution to the Night Peak in MW

May 8, 2023

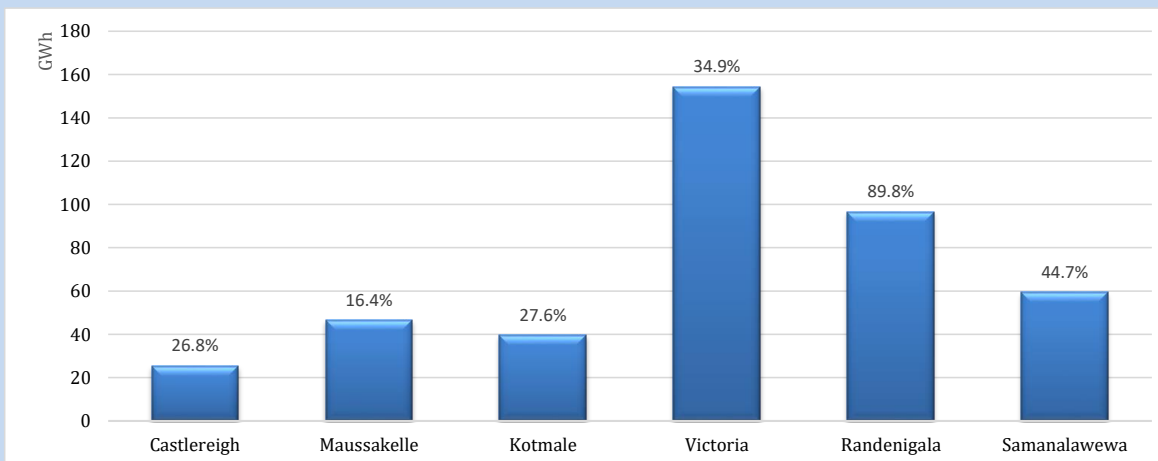


Night Peak*	2,072 MW
Day Peak	1,855 MW
Minimum Demand	1,723 MW

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

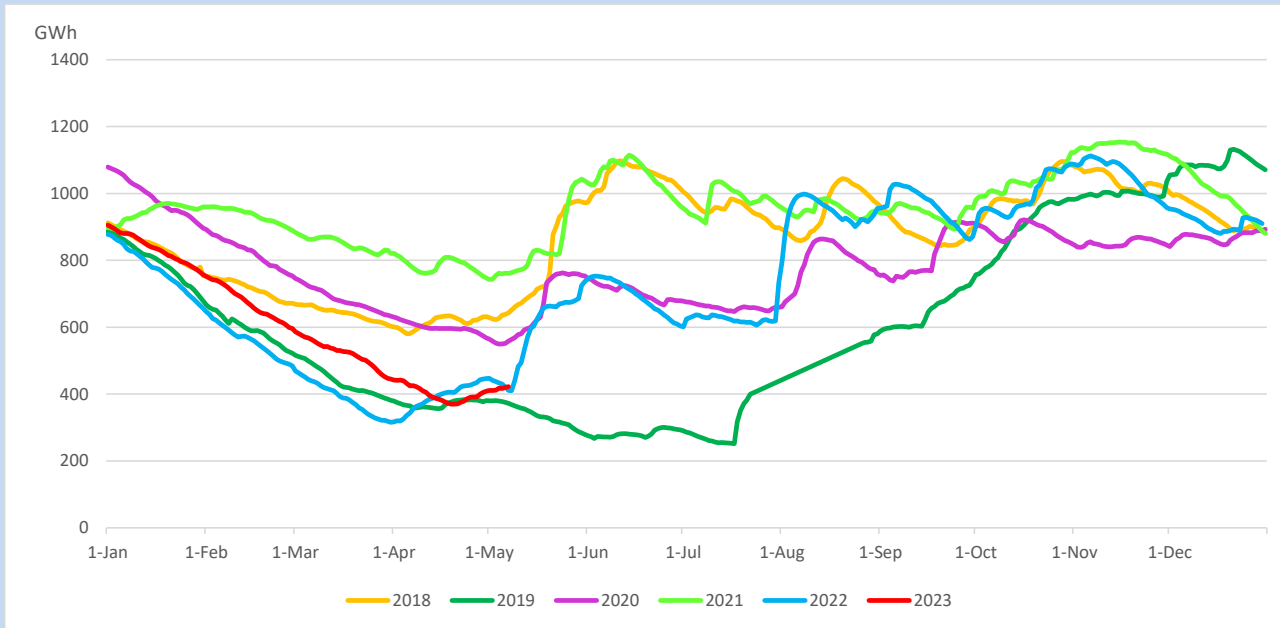
Reservoir Levels -

as at 06.00 Hr on May 9, 2023

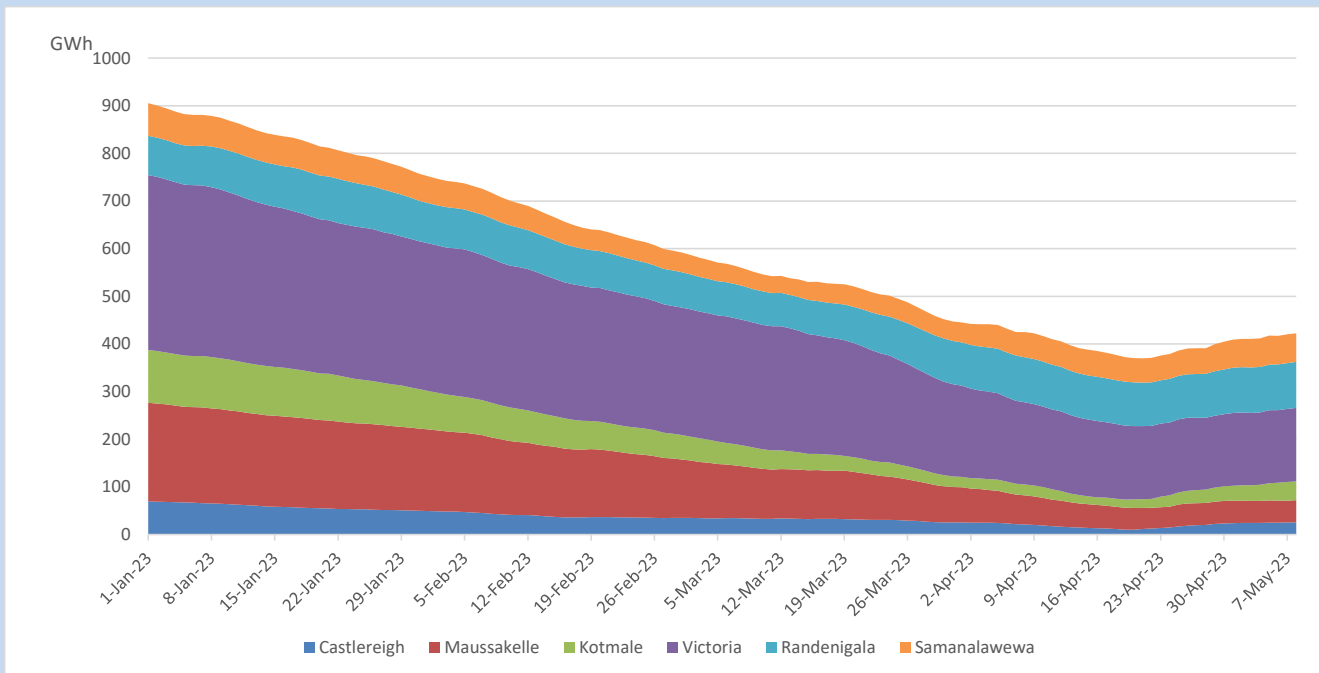


Total Reservoir Level	422.1 GWh
% of Total capacity	35.0%

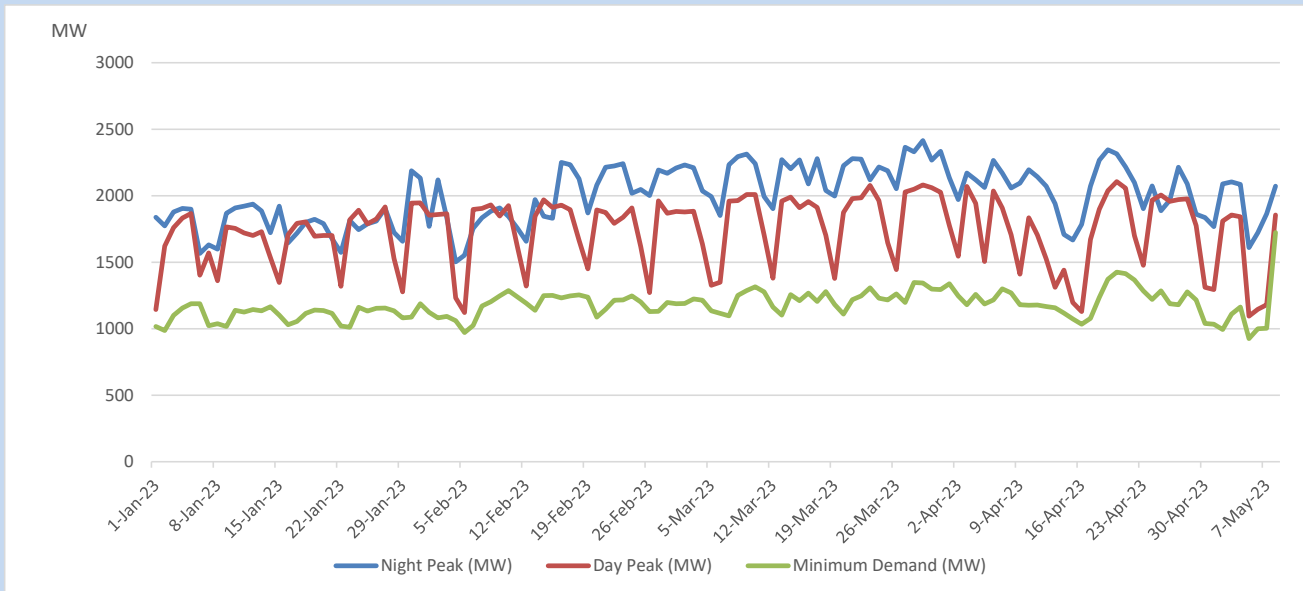
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

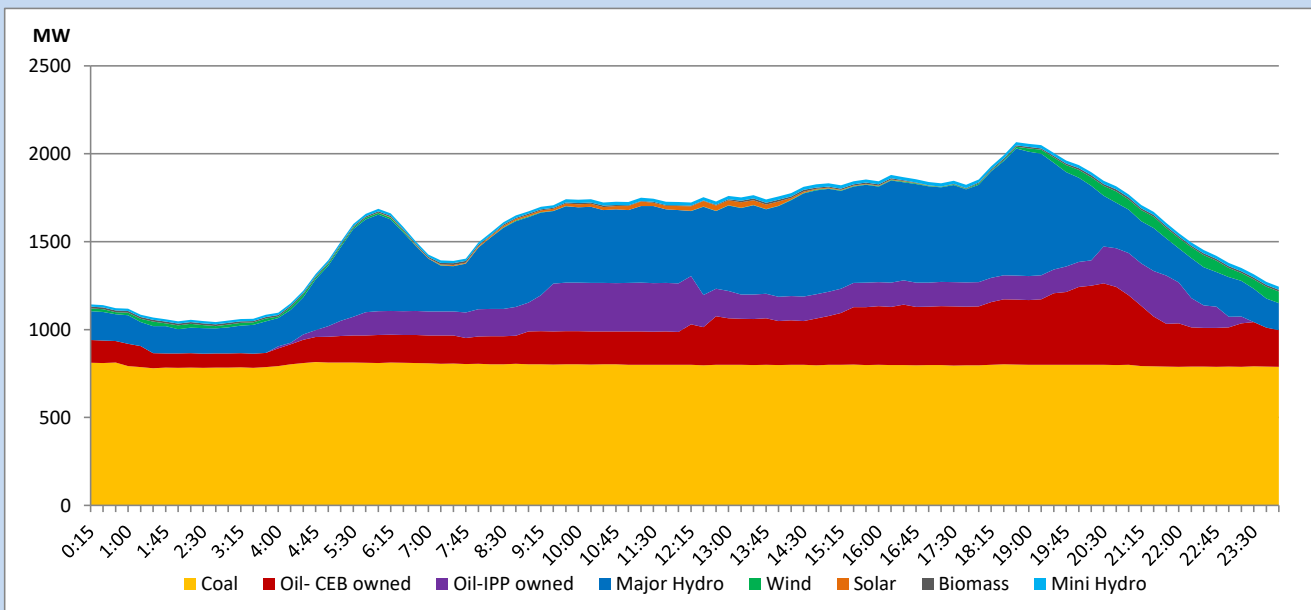


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

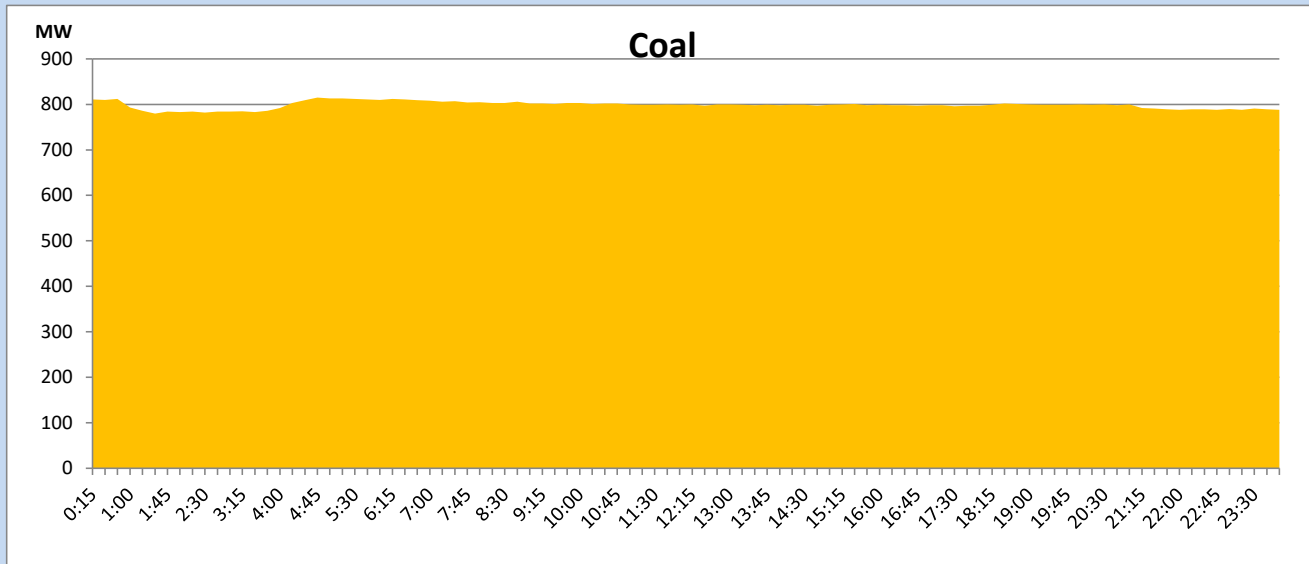
May 8, 2023

Solar and wind data is based on Telemetered Power Stations only



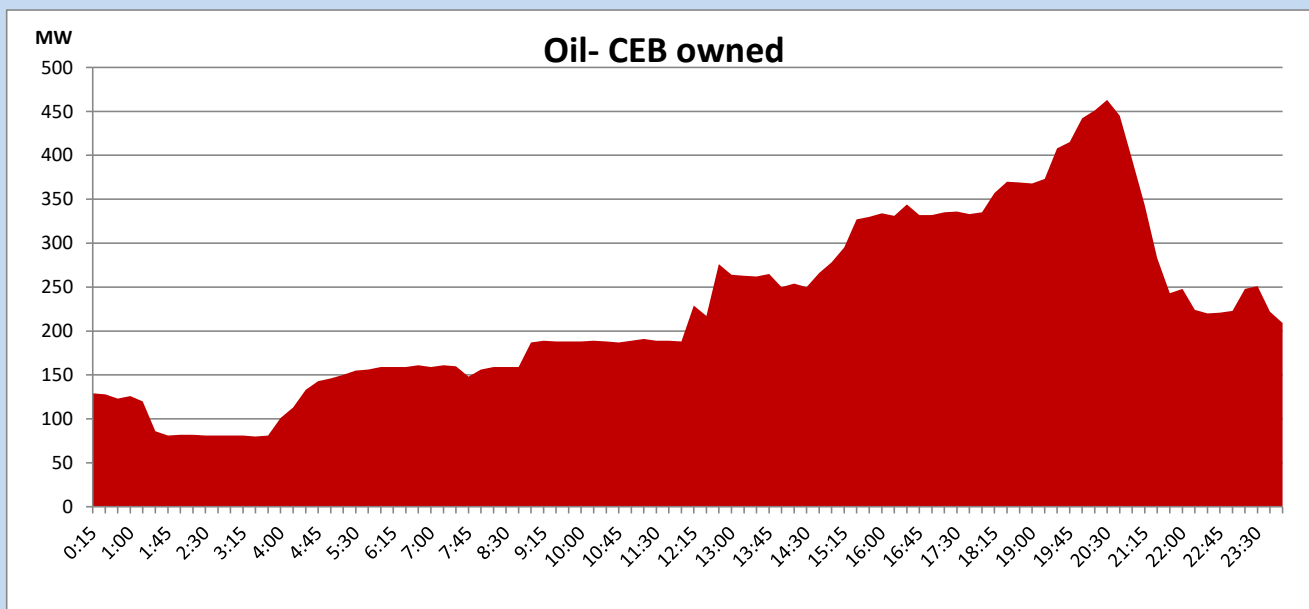
Coal Generation during

May 8, 2023



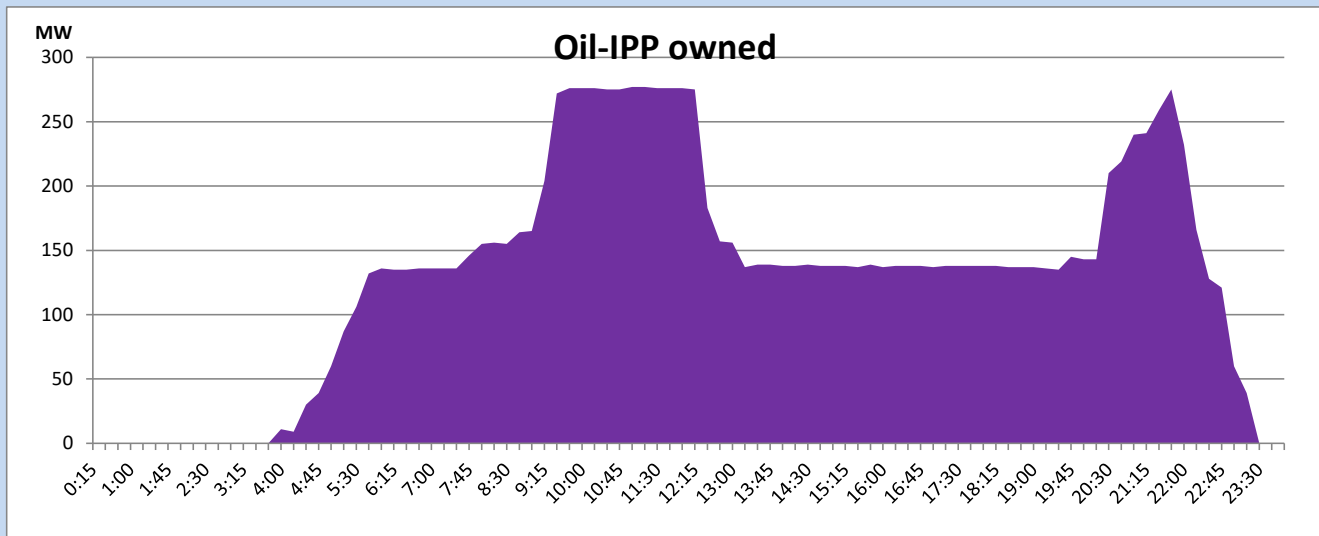
CEB Oil Plant Generation during

May 8, 2023



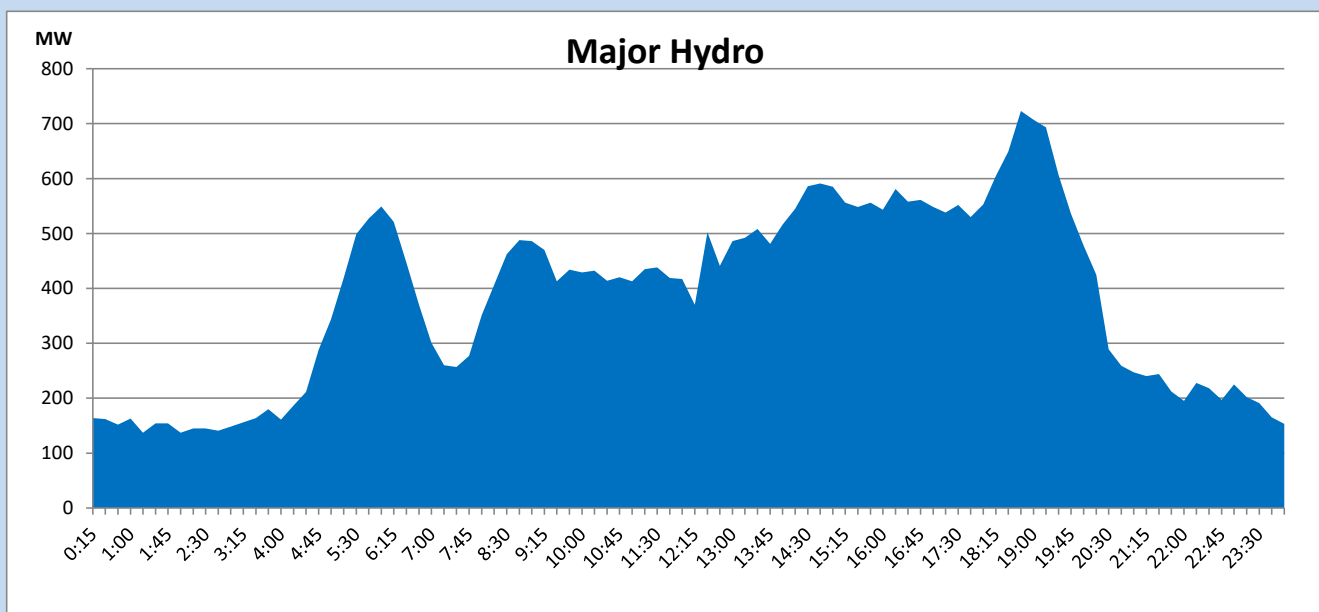
IPP Oil Plant Generation during

May 8, 2023



Major Hydro Generation during

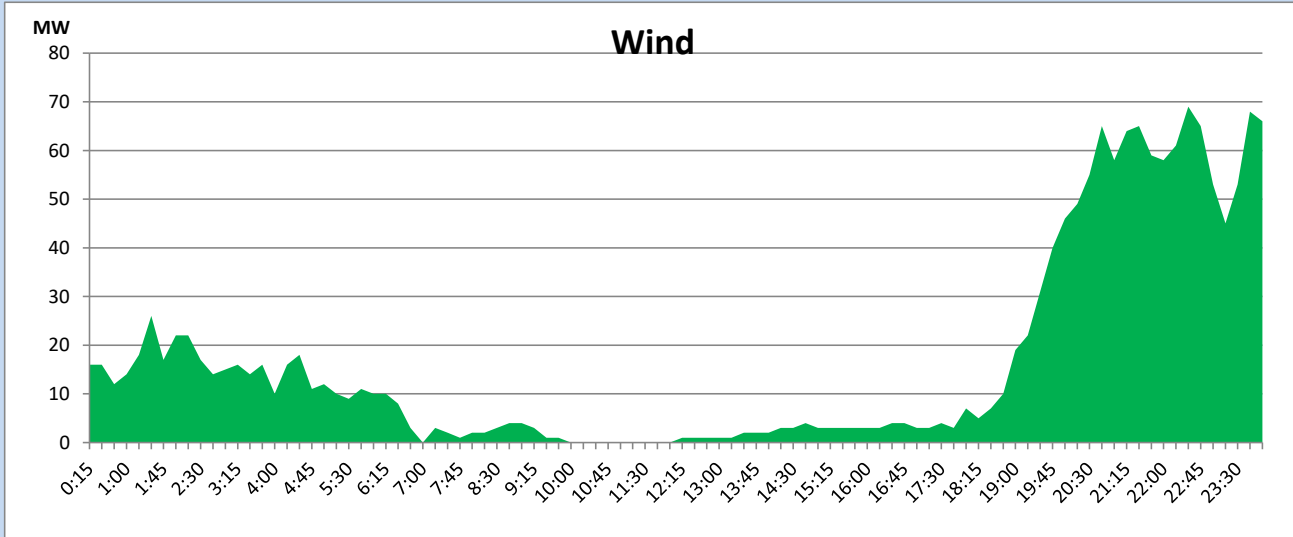
May 8, 2023



Wind Generation during

May 8, 2023

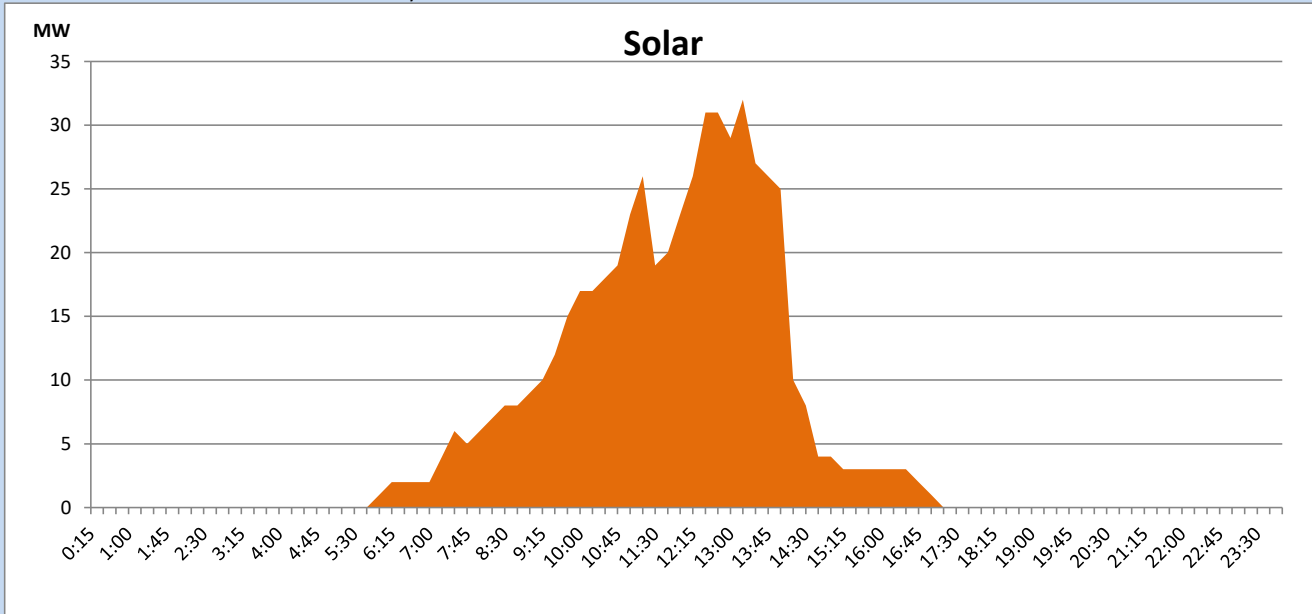
Based on Telemetered Power Stations only



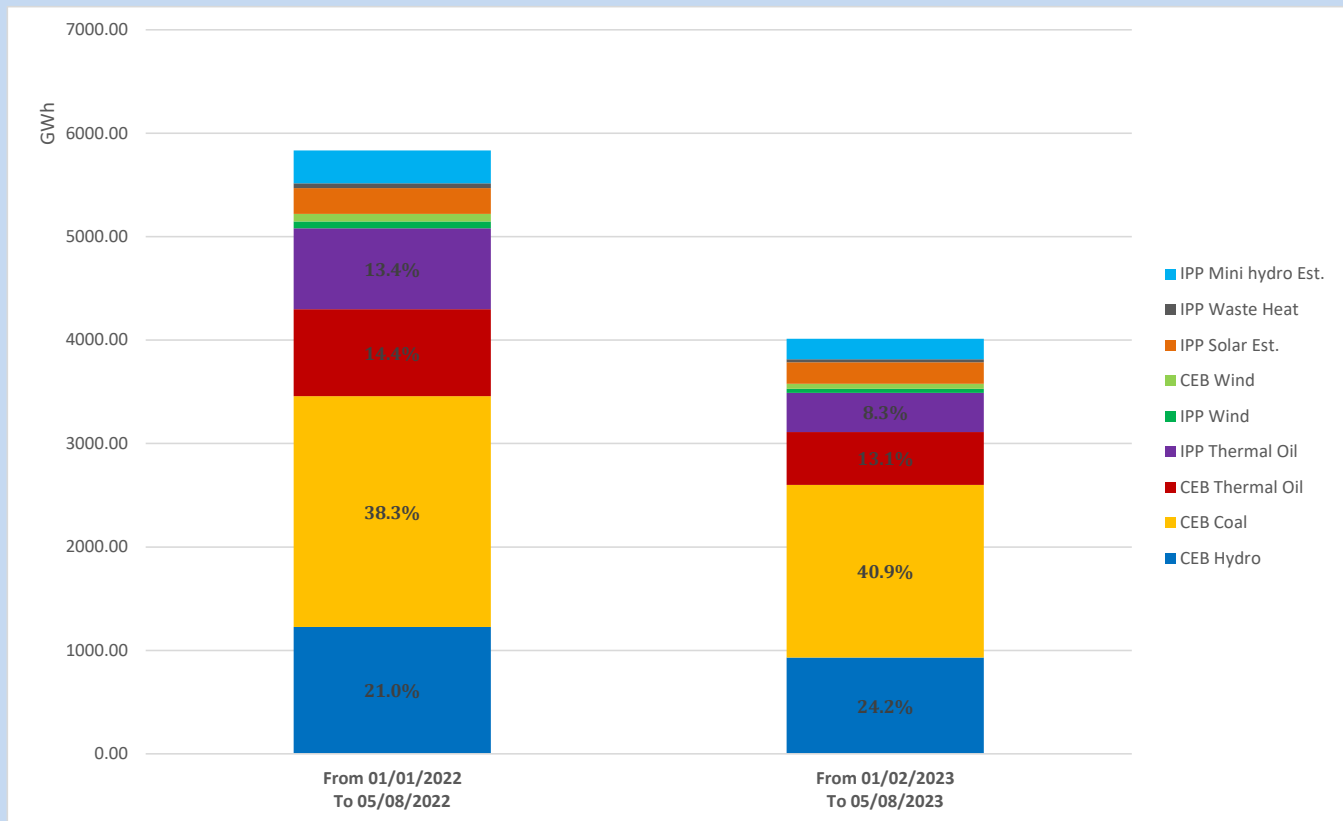
Solar Generation during

May 8, 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 8, 2023

- 1) WCP GT 01 was made unavailable at 03:47hrs due to feed water valve inspection. WCP GT 01 resumed generation at 07:39hrs.
- 2) WCP GT 01 performed a forced shutdown at 13:10hrs due to a water leakage. WCP GT 01 resumed generation at 19:32hrs.
- 3) KCCPS2 performed forced shutdowns twice at 15:10hrs and 16:31hrs while loading, due to a diesel leakage. KCCPS2 resumed generation at 18:07hrs and reached
- 4) Power Barge Unit 04 tripped at 13:41hrs due to a MCB fault. Power Barge Unit 04 resumed generation at 14:54hrs.
- 5) Power Barge Unit 03 made a forced shutdown at 21:18hrs due to an abnormal sound in exhaust valve. Power Barge Unit 03 is yet to resume generation