

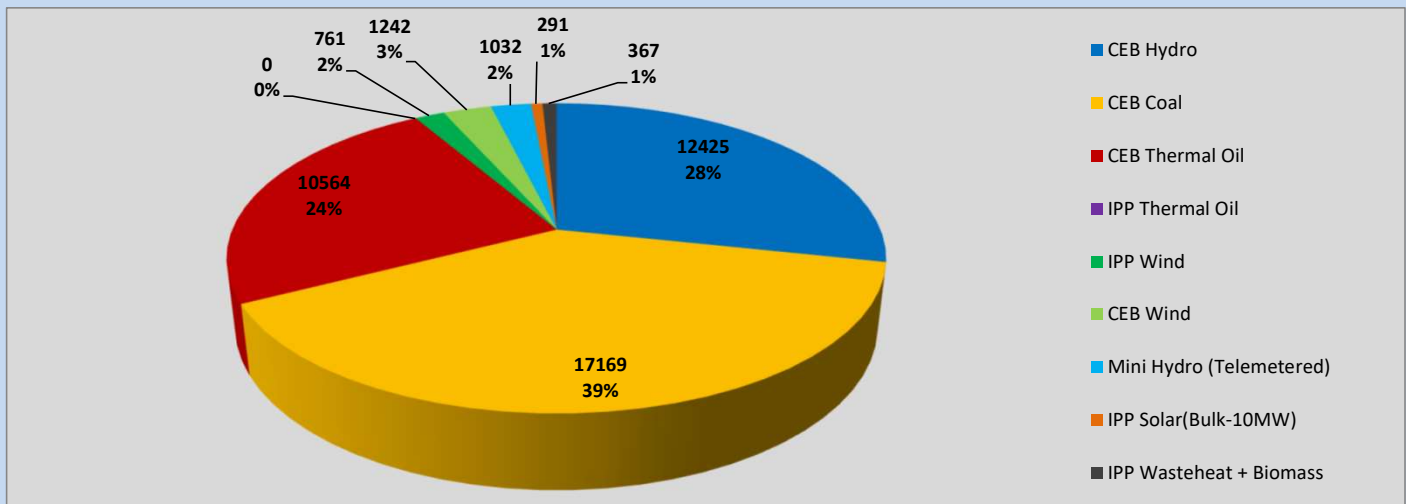
Generation and Reservoirs Statistics

May 30, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

43,851 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 2958 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

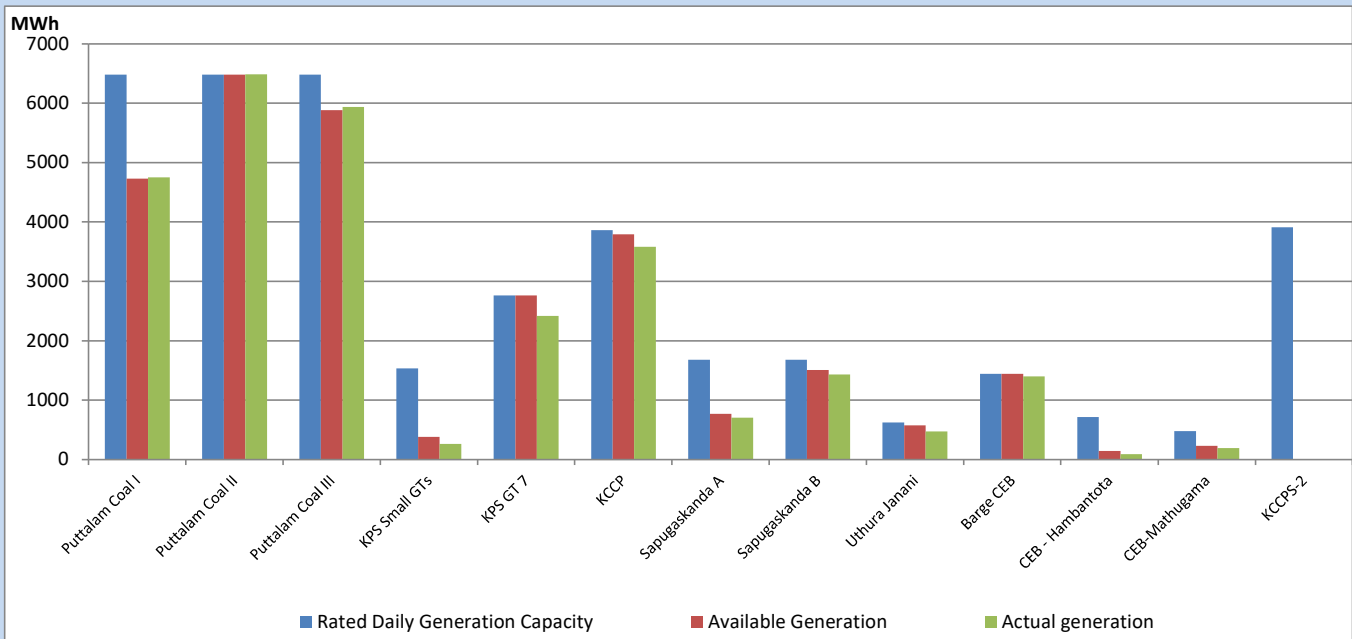
Category	Dispatch (GWh)	
CEB Hydro	267	23.00%
CEB Coal	491	42.30%
CEB Thermal Oil	183	15.73%
IPP Thermal	99	8.57%
SPP Wind	32	2.73%
CEB Wind	39	3.40%
Mini Hydro (Telemetered)	29	2.51%
IPP Solar (Bulk-10MW)	8	0.71%
IPP Wasteheat + BMP	12	1.02%
Total	1,161	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,468	25.70%
CEB Coal	2,478	43.36%
CEB Thermal Oil	838	14.66%
IPP Thermal	517	9.05%
SPP Wind	90	1.57%
CEB Wind	110	1.92%
Mini Hydro (Telemetered)	125	2.18%
IPP Solar (Bulk-10MW)	43	0.75%
IPP Wasteheat	47	0.82%
Total	5,715	

CEB owned Thermal Plant Dispatch

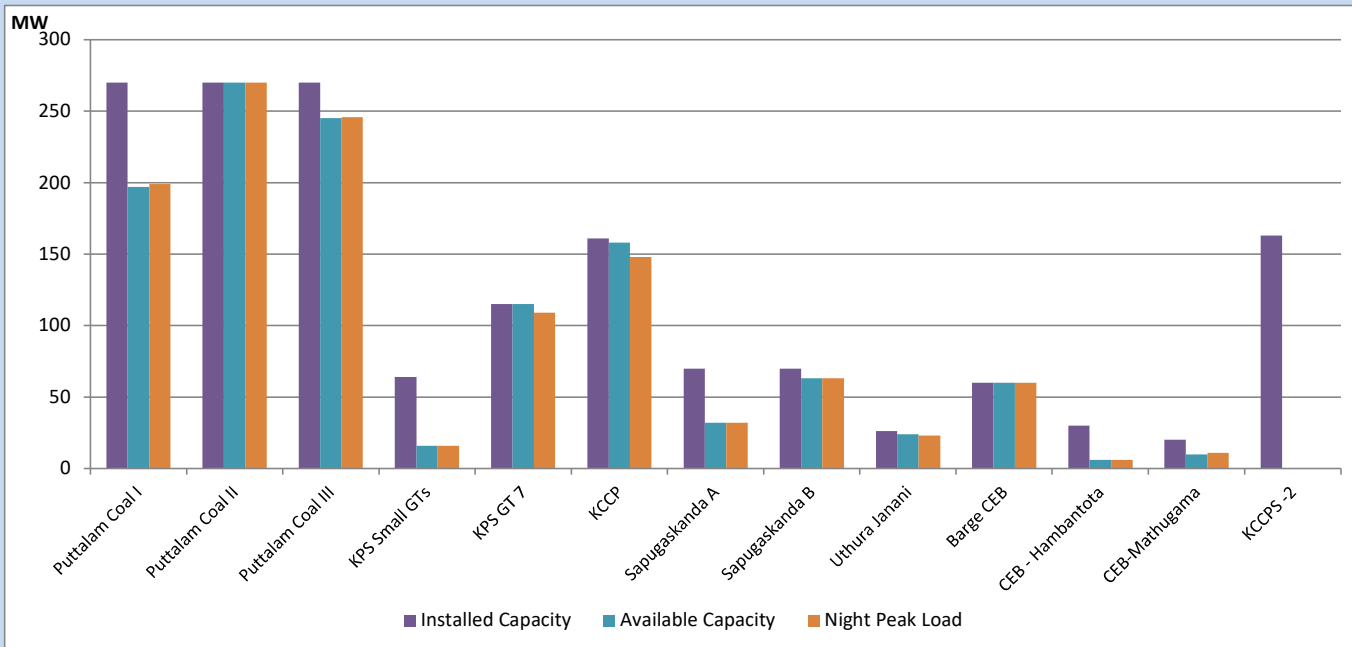
May 30, 2023



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

May 31, 2023

CEB owned Thermal Plant Loading at the Night Peak



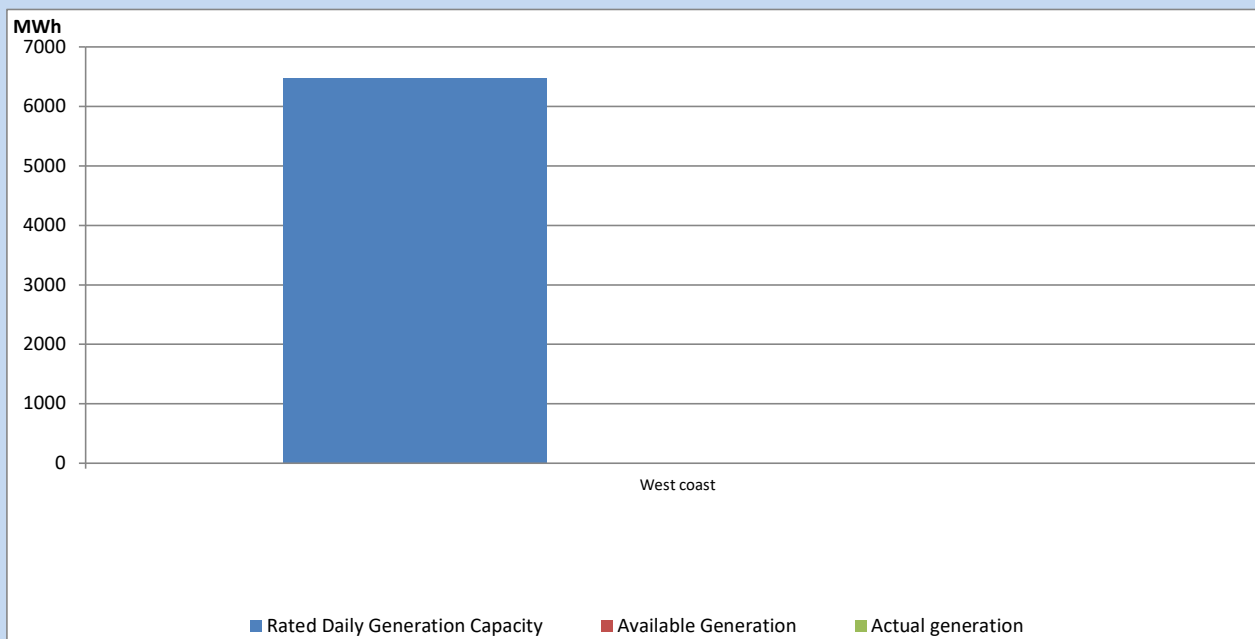
Note-

Plant availability is recorded at 6.00 am on

May 31, 2023

IPP owned Thermal Plant Dispatch

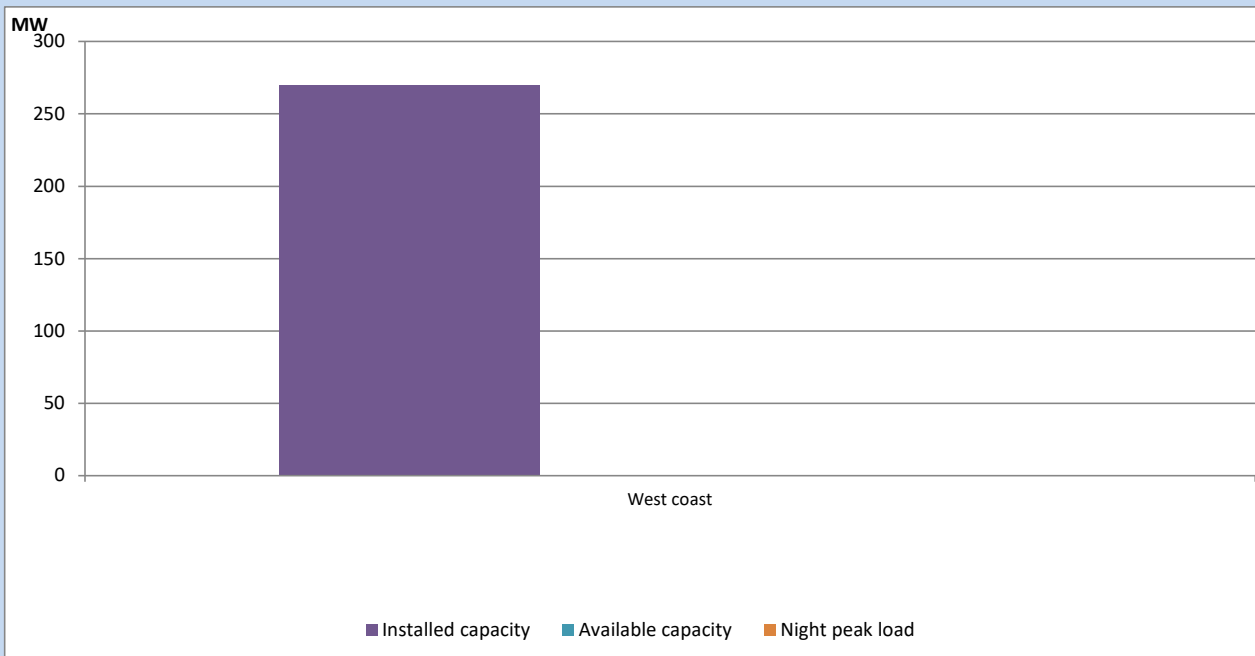
May 30, 2023



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

May 31, 2023

IPP owned Thermal Plant Loading at the Night Peak

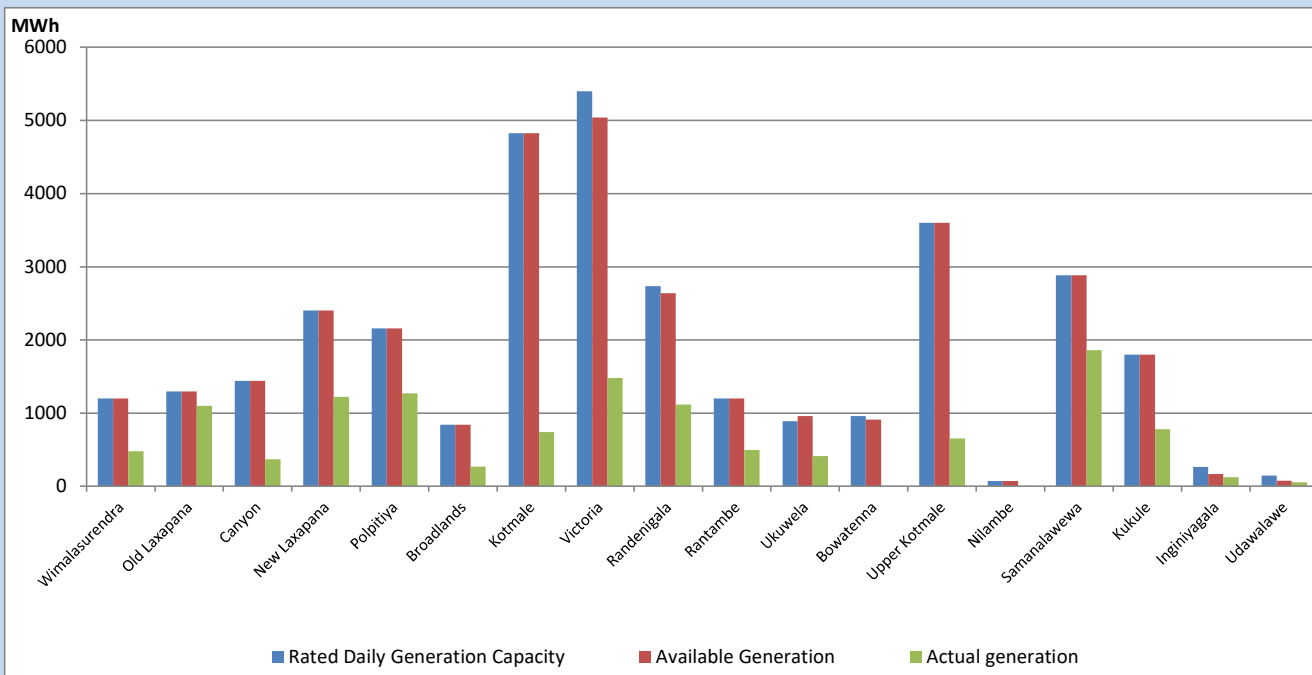


Note- Plant availability is recorded at 6.00 am on

May 31, 2023

Major Hydro Plant Dispatch

May 30, 2023

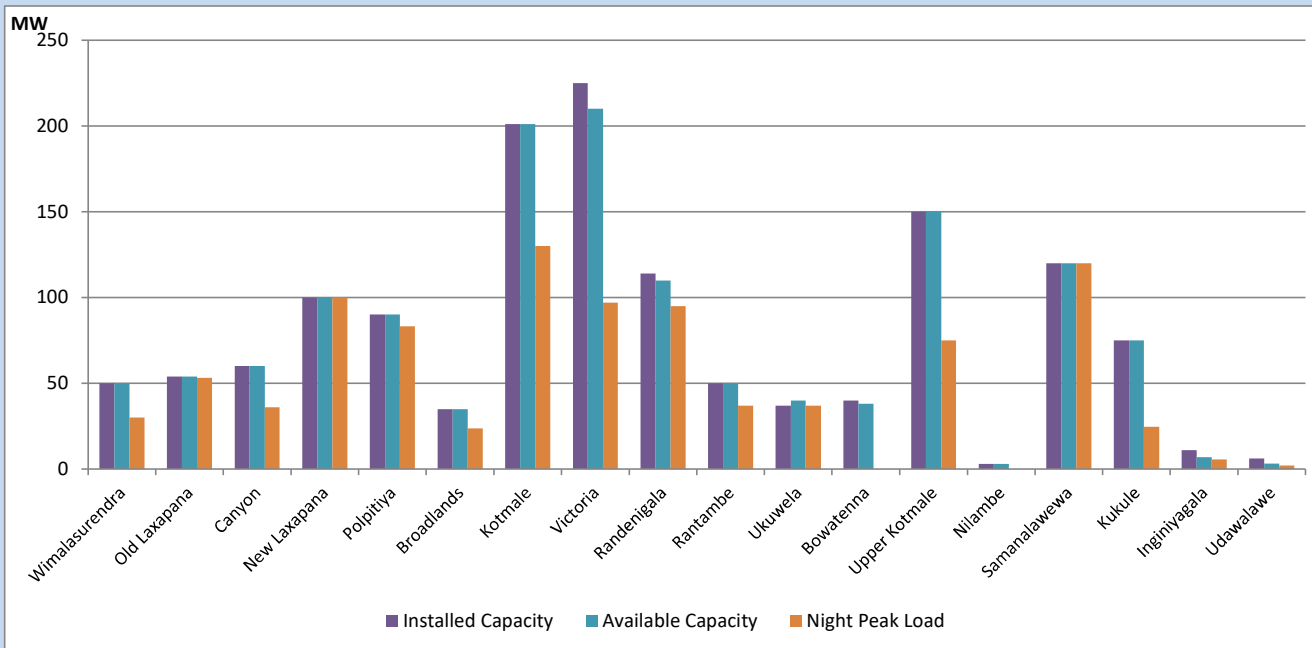


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 31, 2023

Major Hydro Plant Loading at Night Peak

May 30, 2023



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

May 31, 2023

Summary of Major Plant performance

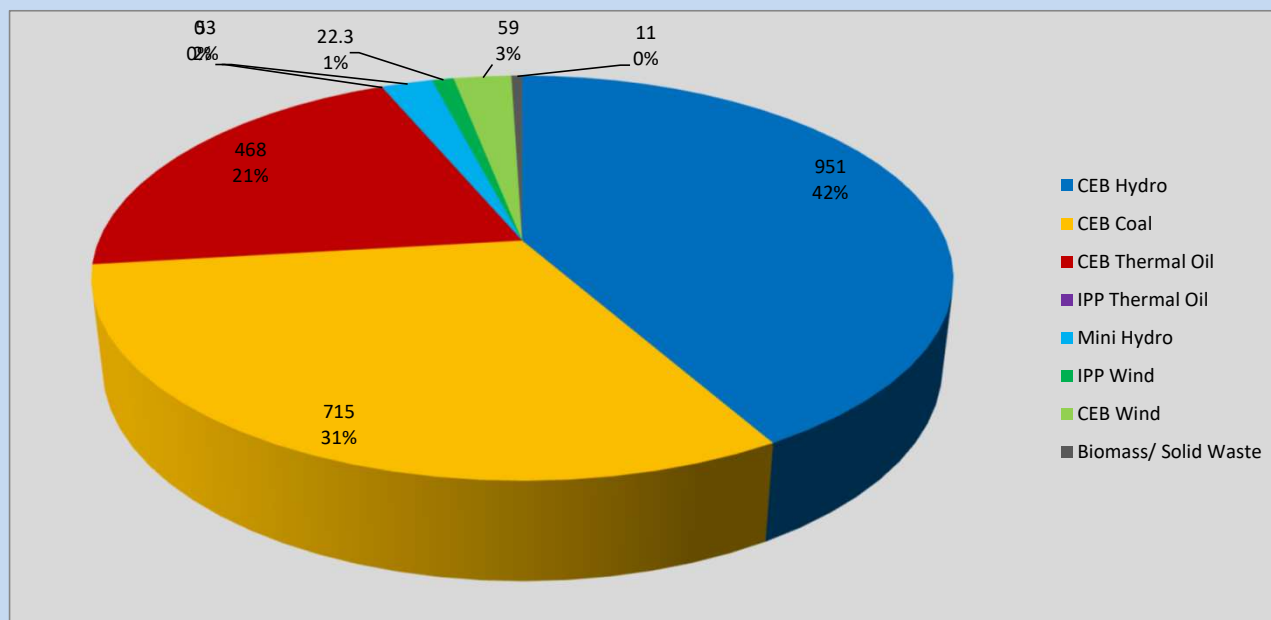
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	477
Old Laxapana	54	54	53	1,099
Canyon	60	60	36	368
New Laxapana	100	100	100	1,223
Polpitiya	90	90	83	1,270
Broadlands	35	35	24	268
Kotmale	201	201	130	740
Victoria	225	210	97	1,478
Randenigala	114	110	95	1,115
Rantambe	50	50	37	496
Ukuwela	37	40	37	416
Bowatenna	40	38	0	0
Upper Kotmale	150	150	75	653
Nilambe	3	3	0	8
Samanalawewa	120	120	120	1,859
Kukule	75	75	25	781
Inginiyagala	11	7	6	123
Udawalawe	6	3	2	51
Puttalam Coal I	270	197	199	4,749
Puttalam Coal II	270	270	270	6,485
Puttalam Coal III	270	245	246	5,935
KPS Small GTs	64	16	16	263
KPS GT 7	115	115	109	2,421
KCCP	161	158	148	3,583
Sapugaskanda A	70	32	32	707
Sapugaskanda B	70	63	63	1,434
Uthura Janani	26	24	23	471
Barge CEB	60	60	60	1,399
CEB-Hambantota	30	6	6	92
CEB-Mathugama	20	10	11	194
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	0	0	0
West Coast	270	0	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,592	2,277	43,851

Plant availability is the availability recorded at 6 am on

May 31, 2023

Contribution to the Night Peak in MW

May 30, 2023

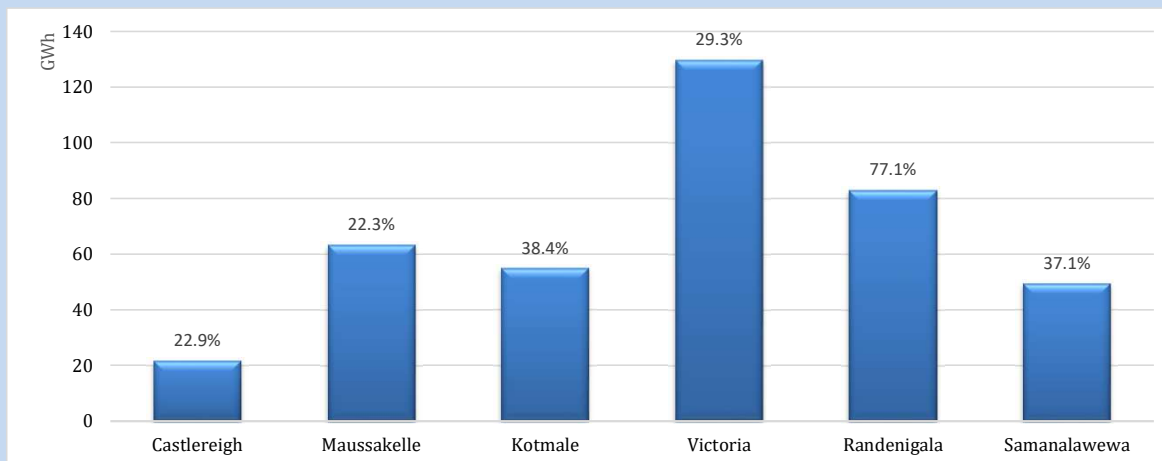


Night Peak*	2,279 MW
Day Peak Maximum Demand	2,090 MW
Day Peak Minimum Demand	1,871 MW
Off Peak Minimum Demand	1,334 MW

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

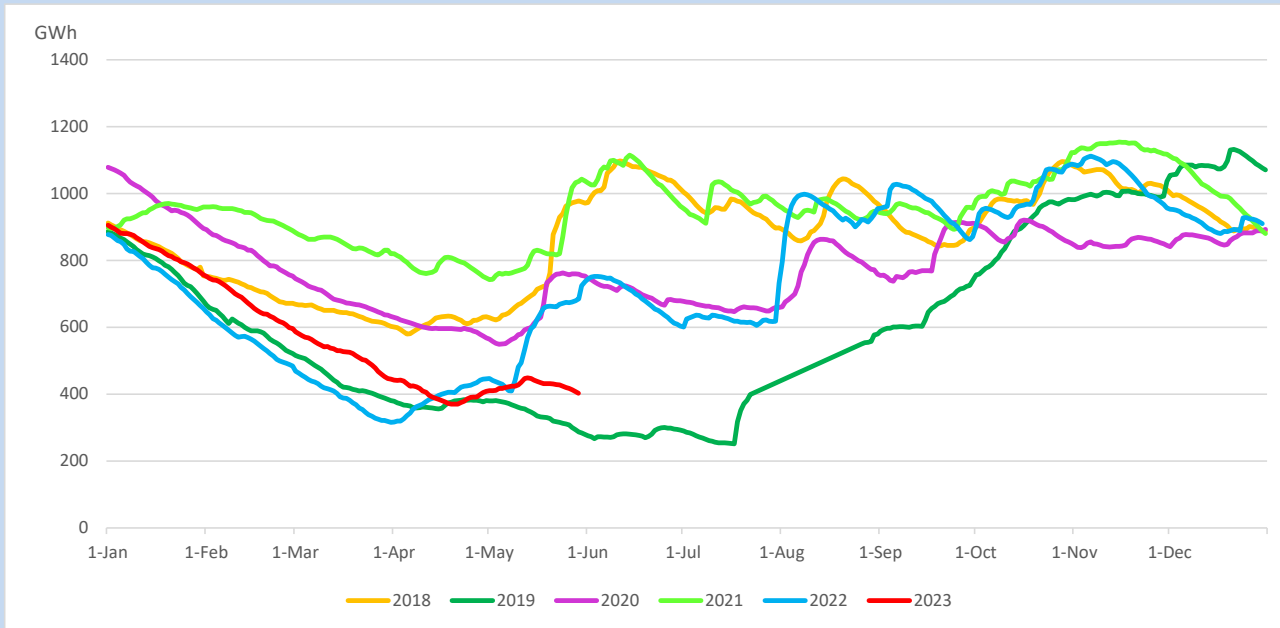
Reservoir Levels -

as at 06.00 Hr on May 31, 2023

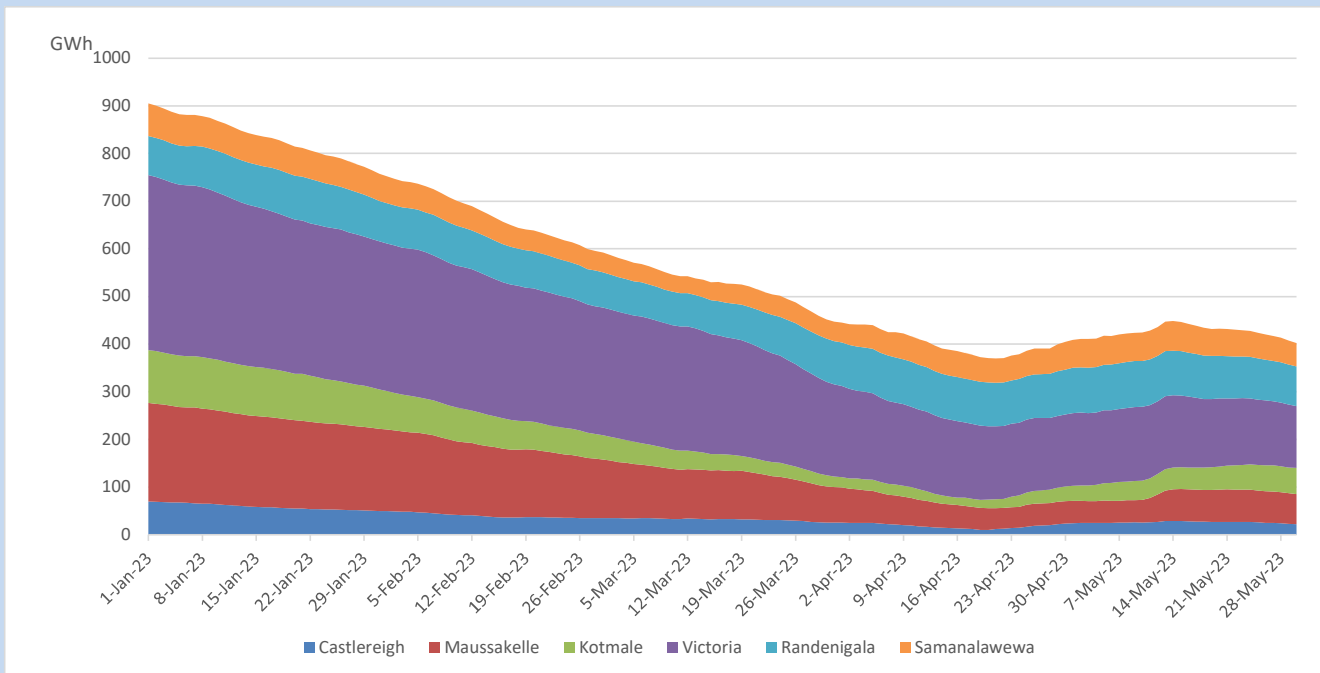


Total Reservoir Level	402.2 GWh
% of Total capacity	33.4%

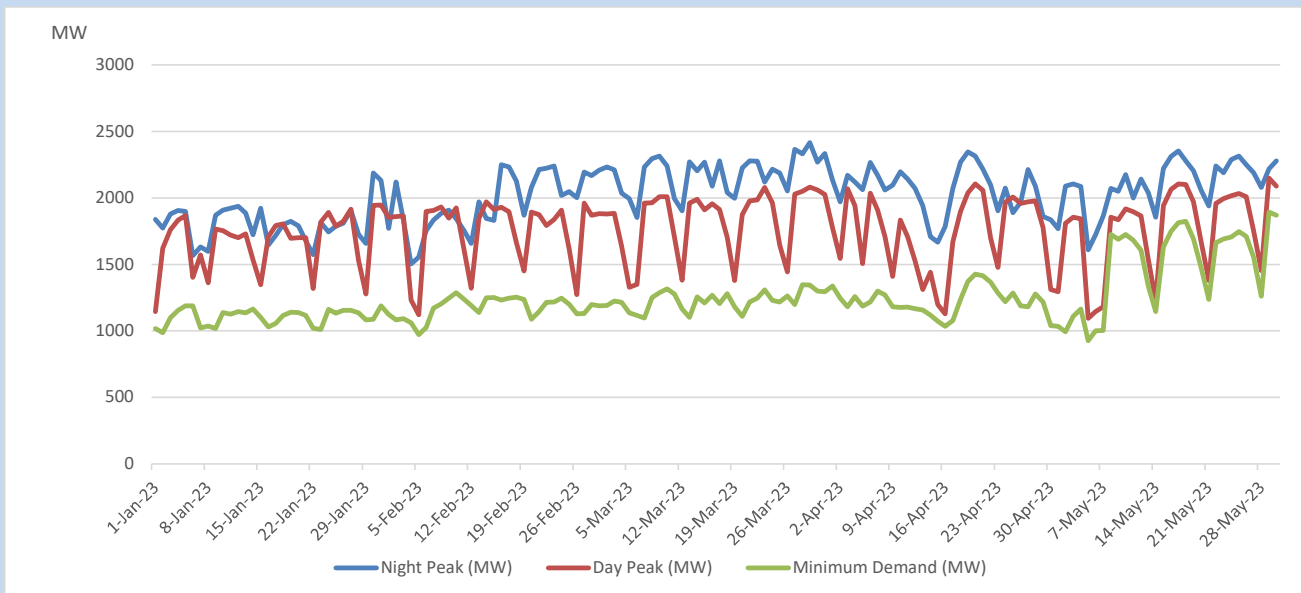
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

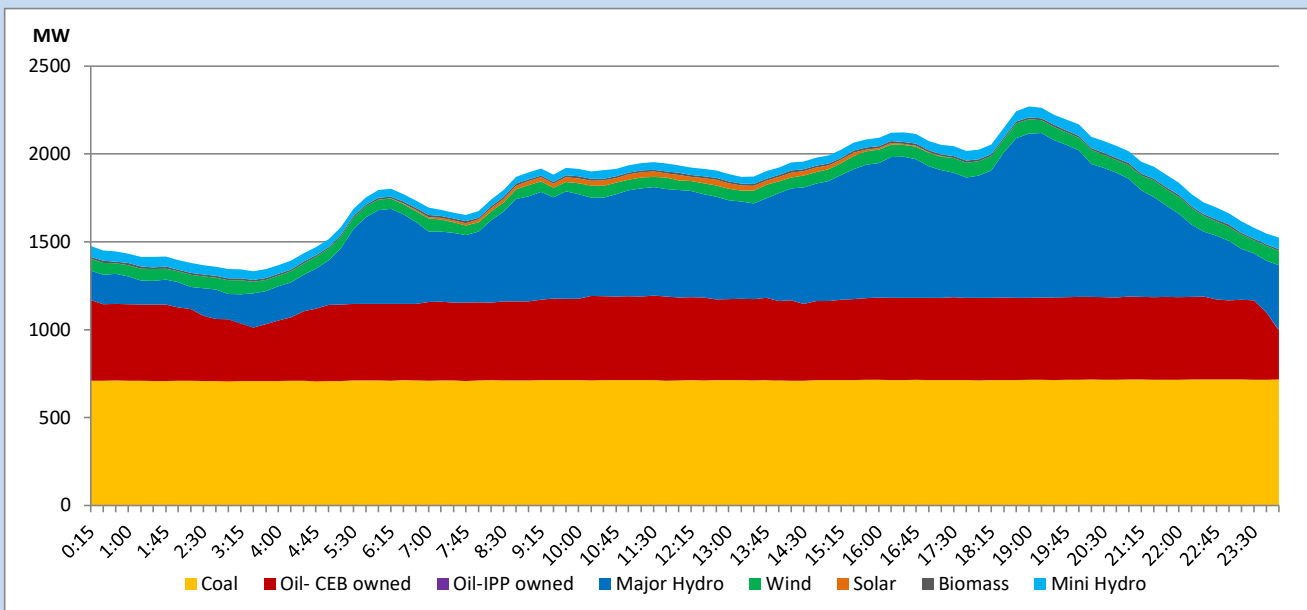


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

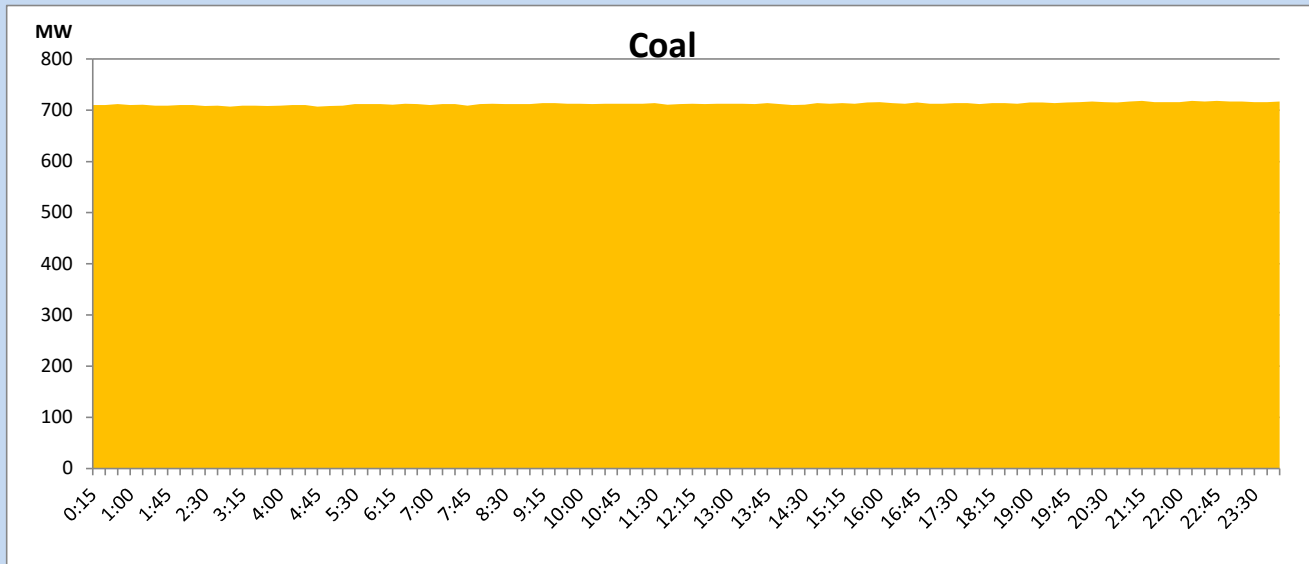
May 30, 2023

Solar and wind data is based on Telemetered Power Stations only



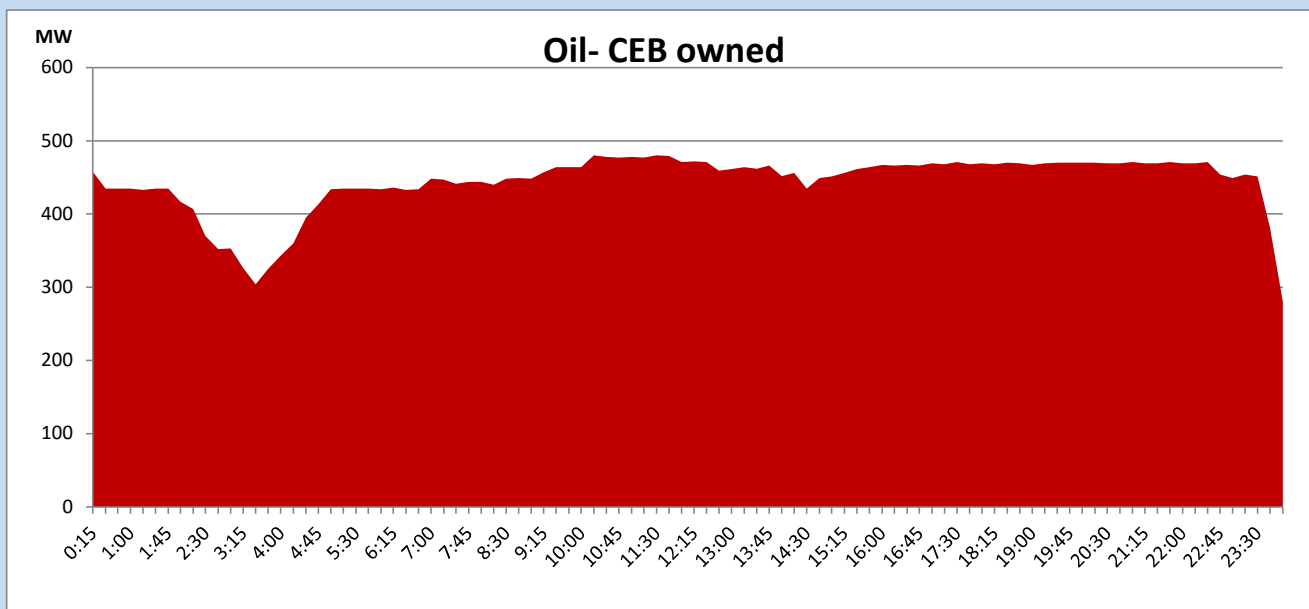
Coal Generation during

May 30, 2023



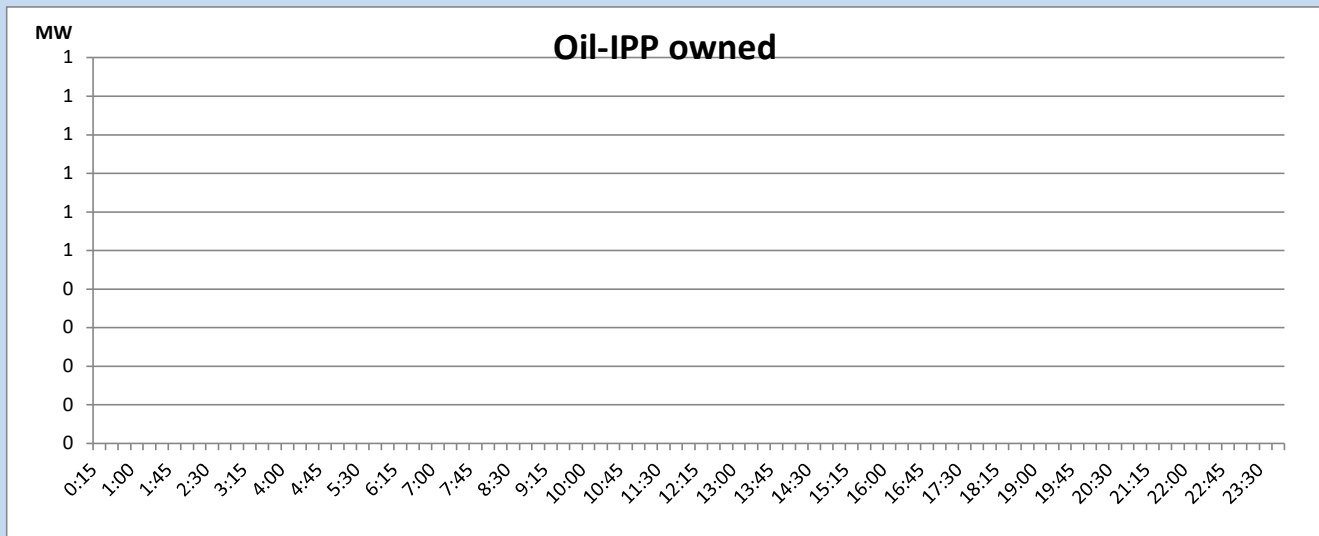
CEB Oil Plant Generation during

May 30, 2023



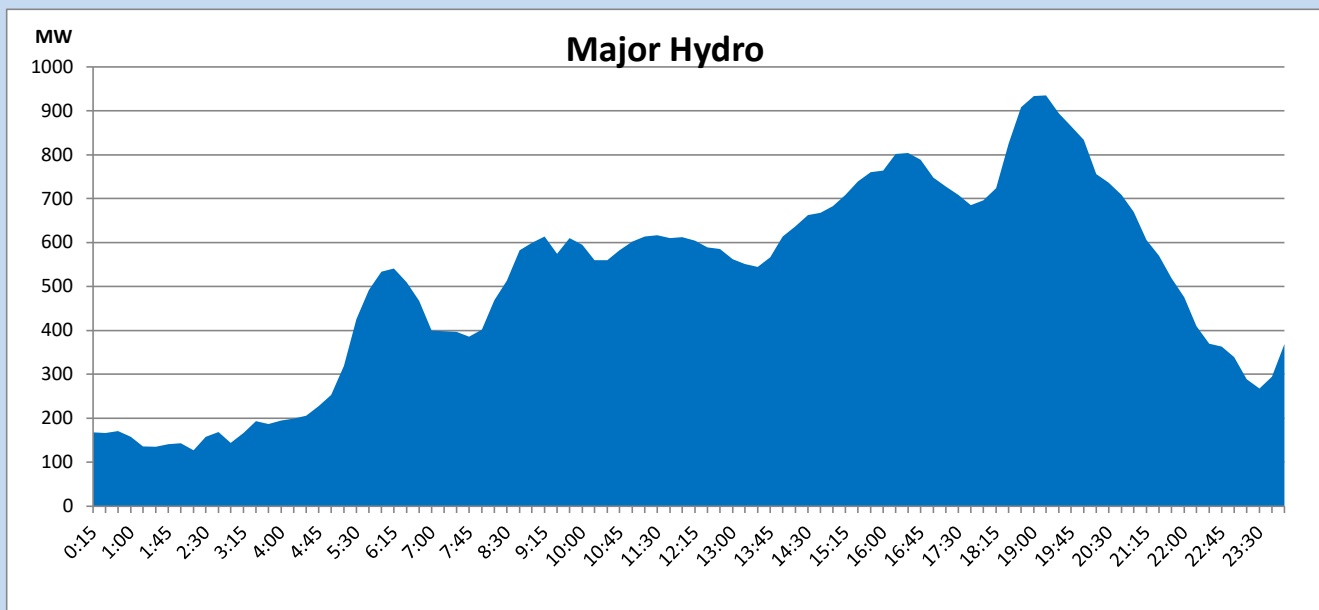
IPP Oil Plant Generation during

May 30, 2023



Major Hydro Generation during

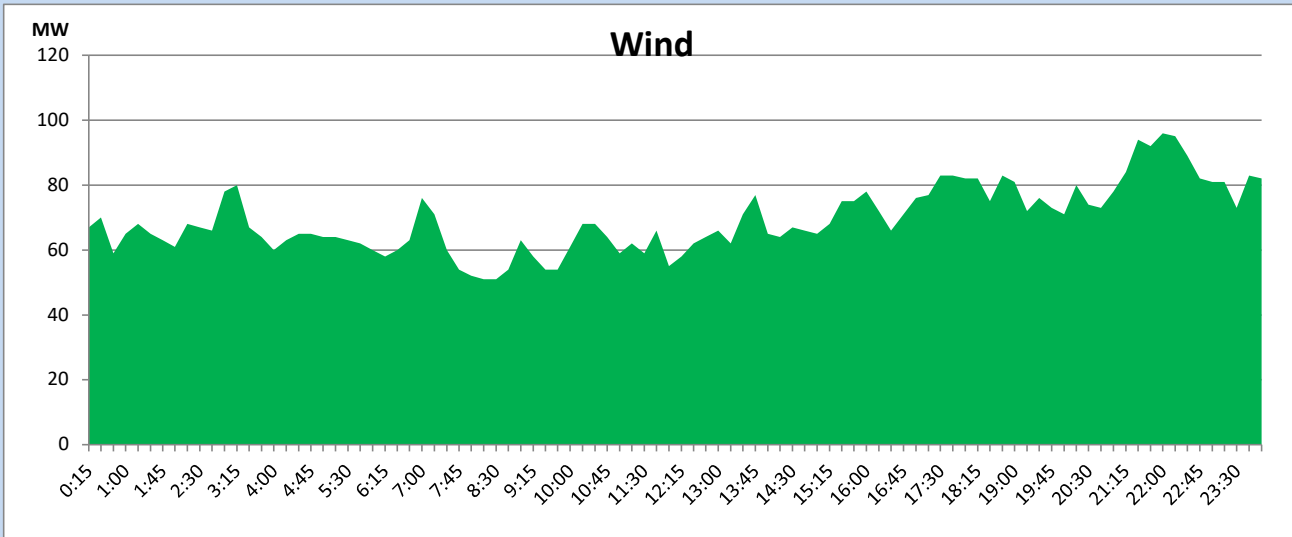
May 30, 2023



Wind Generation during

May 30, 2023

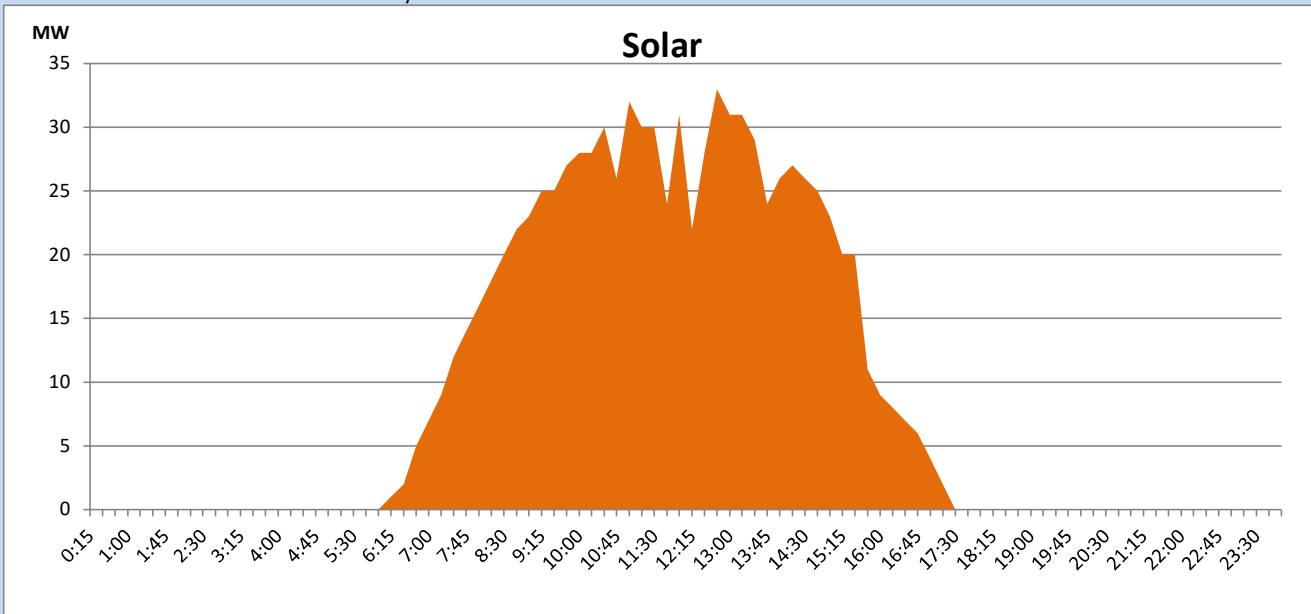
Based on Telemetered Power Stations only



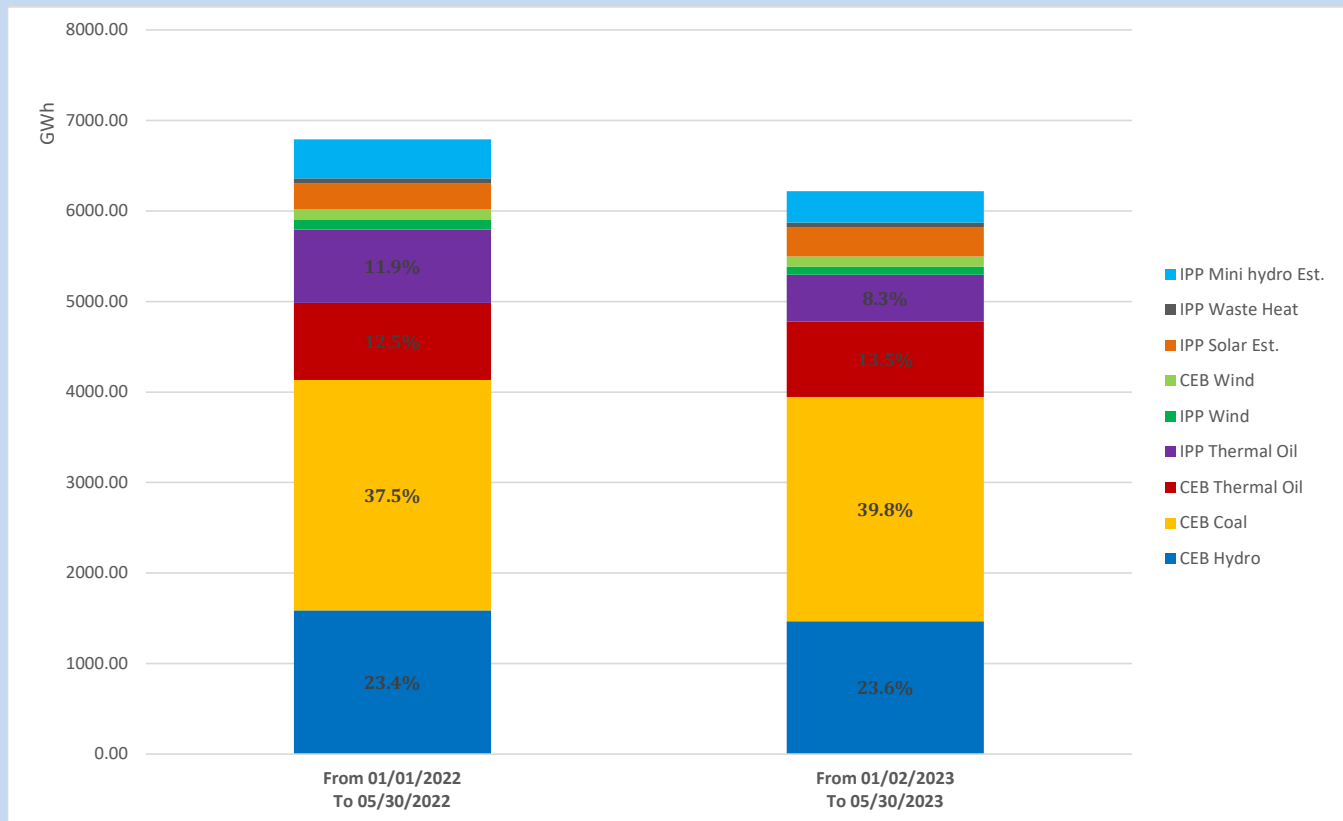
Solar Generation during

May 30, 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
KCCPS -2	Auto Diesel

Power Station	Primary Fuel
Private Thermal	
West Coast	Auto Diesel / Heavy Fuel

Major Incidents reported during the day

May 30, 2023

- 1) Dakunu Janani plant made unavailable due to an interfacing relay panel blast at 05:30hrs. The plant partially made available from 13:12hrs.
- 2) KPS GT 04 tripped at 12:39hrs due to suspected turbine damage. The unit is yet to resume generation.
- 3) Kothmale unit 02 made available from 17:47hrs after the annual maintenance which was released on 10.05.2023.
- 4) Mathugama – Horana cct tripped from Horana end and tripped and A/R from Mathugama end while Mathugama – Kaluthara cct tripped from Mathugama end and tripped and A/R from Kaluthara end at 2:12hrs(31.05.23) due to the operation of distance protection. Thereafter, Mathugama, Kukule, Ambalangoda and New Gall GSSs isolated from the system and were islanded by Kukule generation. The affected sub system was synchronized to the system through Mathugama GSS at 02:42hrs(31.05.2023).