

Generation and Reservoirs Statistics

July 6, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

1. Daily Generation Mix in MWh

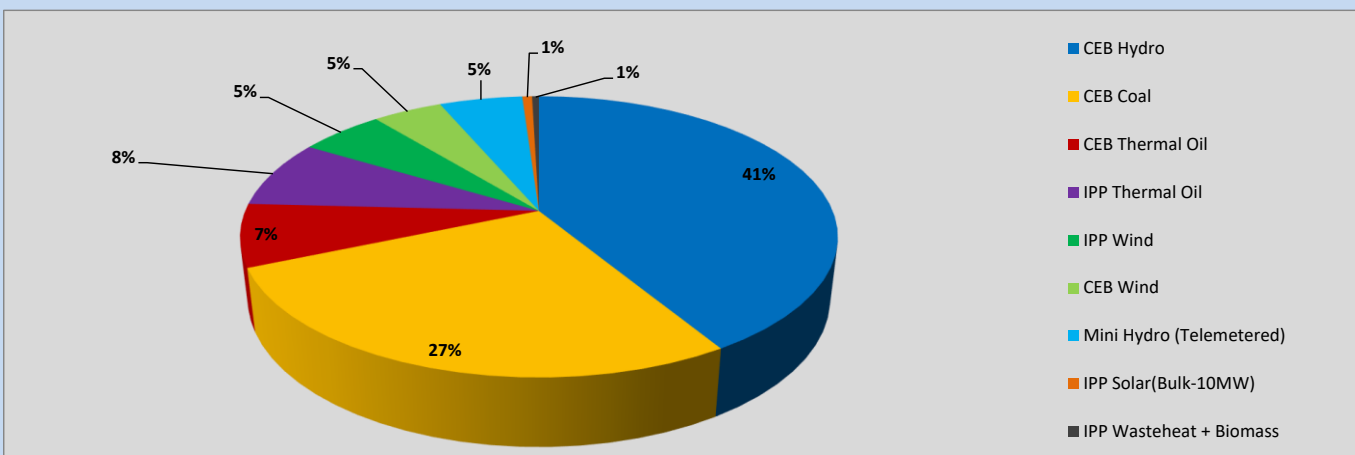


Table 01

CEB Hydro	15,634	MWh
CEB Coal	10,363	MWh
CEB Thermal Oil	2,728	MWh
IPP Thermal Oil	2,945	MWh
IPP Wind	2,060	MWh
CEB Wind	1,707	MWh
Mini Hydro (Telemetered)	2,037	MWh
IPP Solar (Bulk)	241	MWh
IPP Wasteheat + Biomass	167	MWh
Total Generation (Excluding estimated figures)	37,882	MWh
* Estimated unserved energy	0	MWh
* Estimated Mini Hydro (Non telemetered)	1473	MWh
* Estimated IPP Solar PV (Bulk 1-10MW)	304	MWh
* Estimated Solar Roof Top PV	1650	MWh
Total Generation (Including estimated figures)	41,309	MWh

* Estimated figures of CEB generation report

2. Cumulative Dispatch

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

Table 02 - Current Month

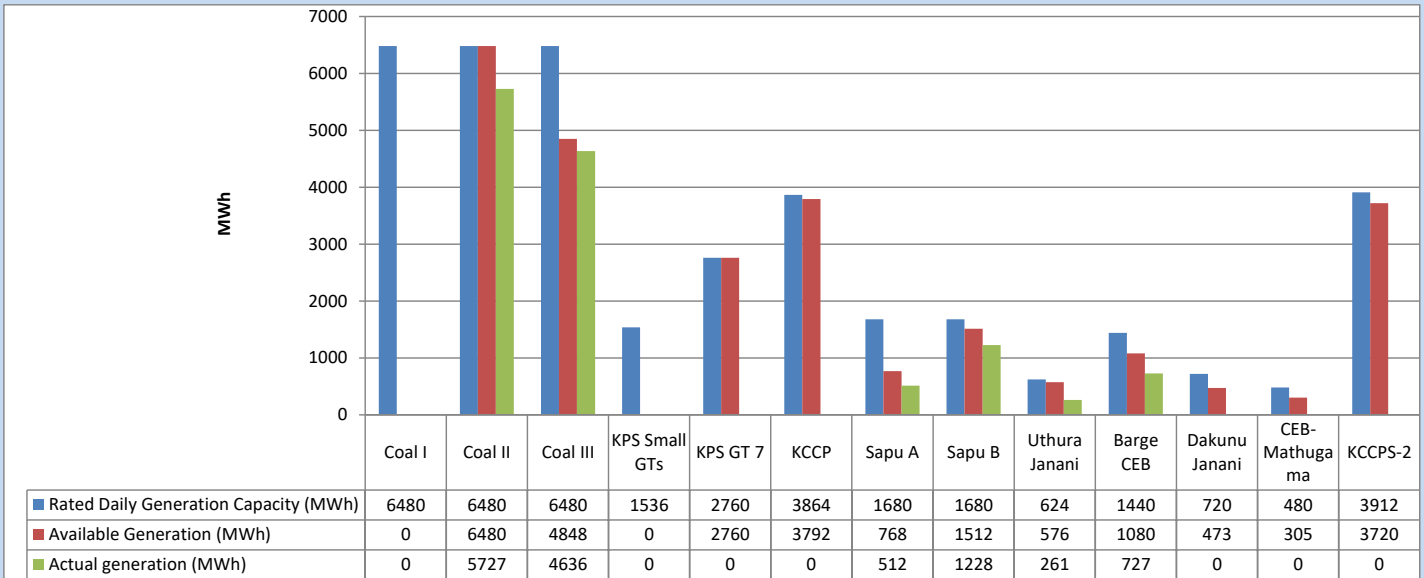
Category	Dispatch (GWh)	
CEB Hydro	73	34.36%
CEB Coal	64	30.10%
CEB Thermal Oil	23	10.85%
IPP Thermal	16	7.30%
SPP Wind	13	5.89%
CEB Wind	10	4.91%
Mini Hydro (Telemetered)	11	5.02%
IPP Solar(Bulk-10MW)	1	0.69%
IPP Wasteheat + BMP	2	0.89%
Total	213	

Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,811	25.27%
CEB Coal	2,947	41.13%
CEB Thermal Oil	1,107	15.44%
IPP Thermal	670	9.34%
SPP Wind	164	2.29%
CEB Wind	175	2.44%
Mini Hydro (Telemetered)	177	2.46%
IPP Solar(Bulk-10MW)	54	0.76%
IPP Wasteheat	62	0.86%
Total	7,166	

3. CEB owned Thermal Plant Dispatch

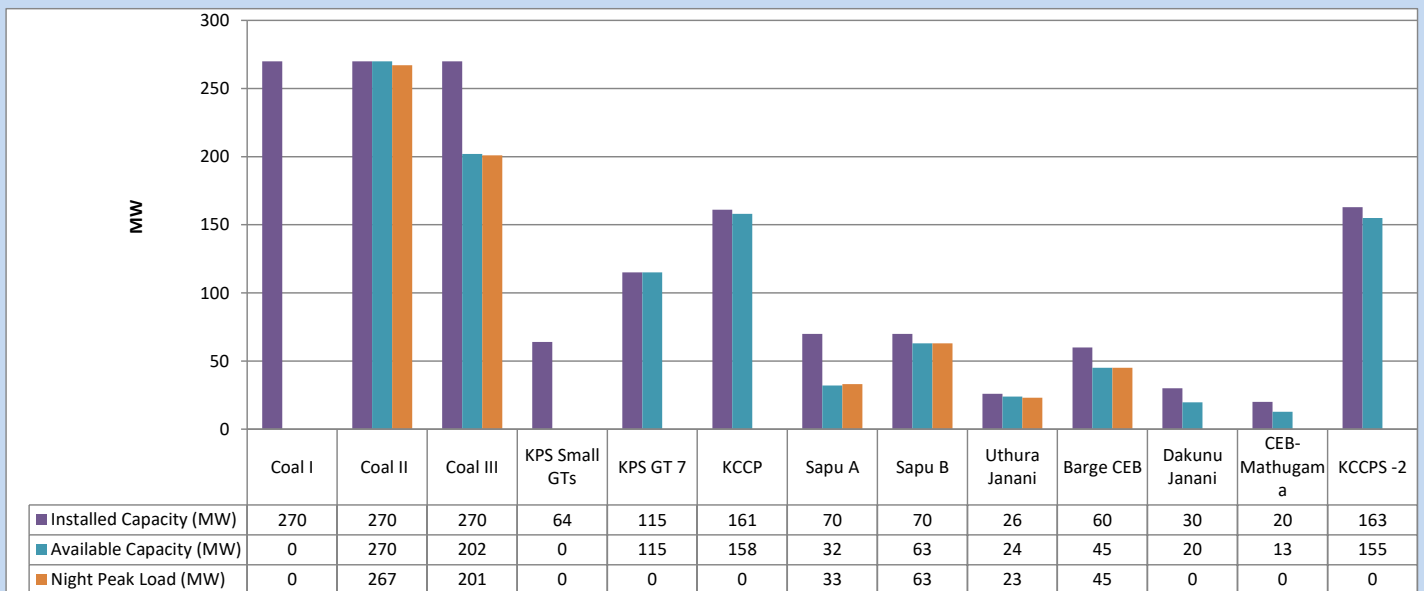
July 6, 2023



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

July 7, 2023

4. CEB owned Thermal Plant Loading at the Night Peak

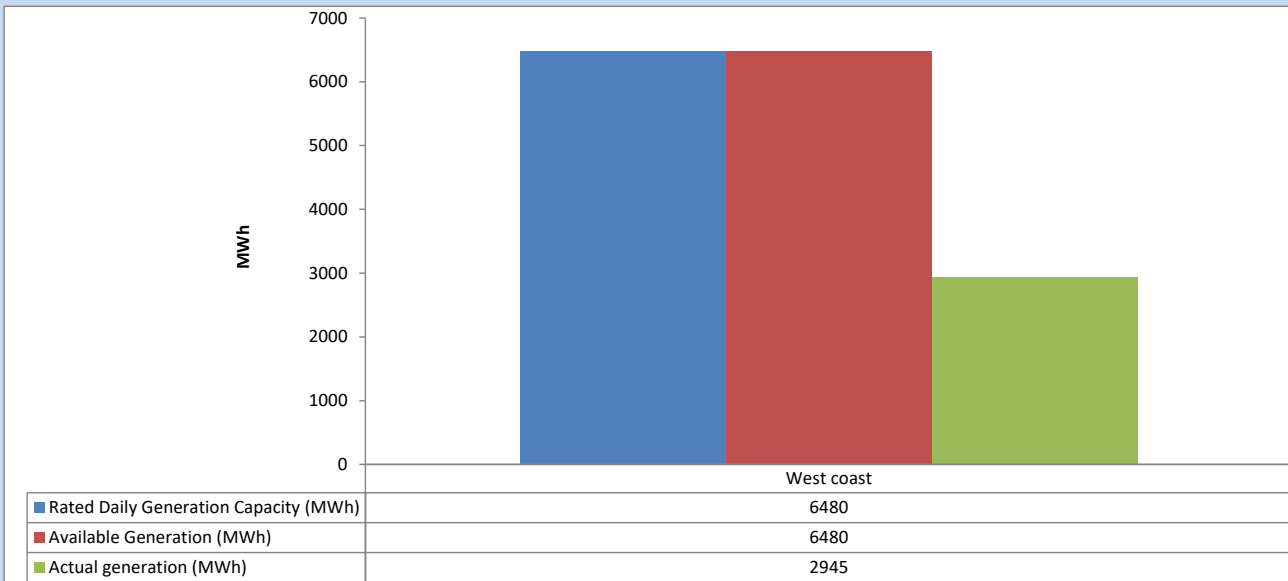


Plant availability is recorded at 6.00 am on

July 7, 2023

5. IPP owned Thermal Plant Dispatch

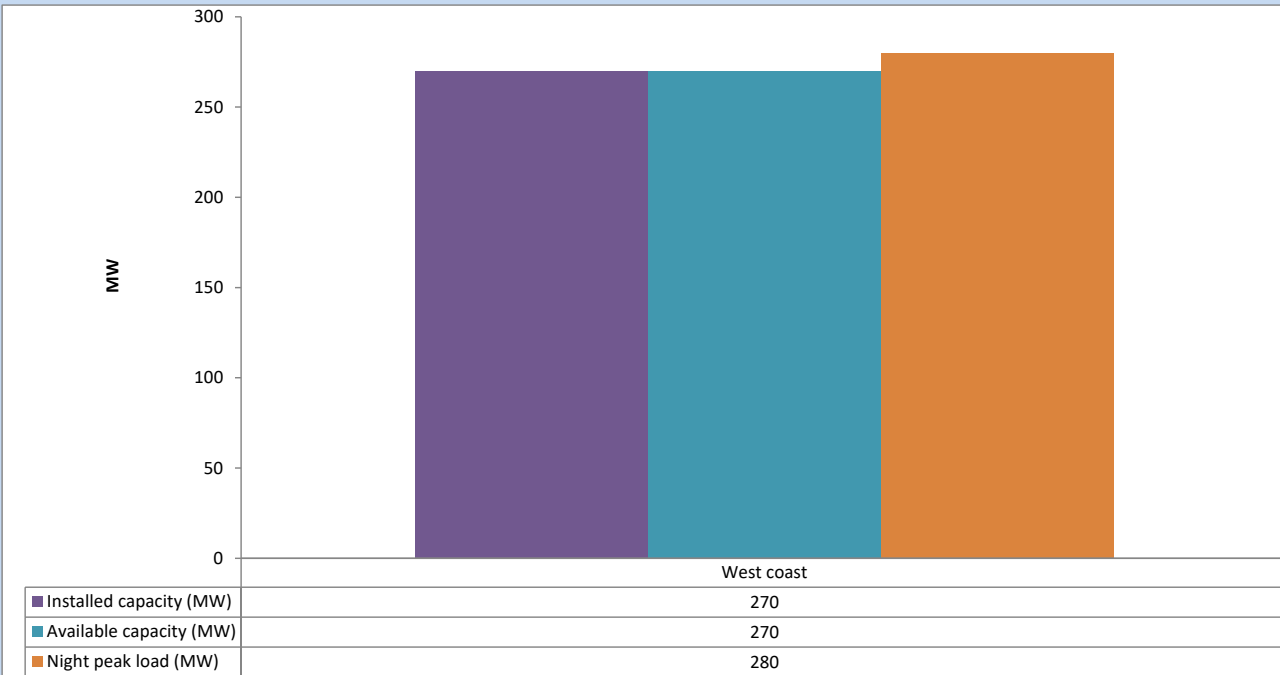
July 6, 2023



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

July 7, 2023

6. IPP owned Thermal Plant Loading at the Night Peak

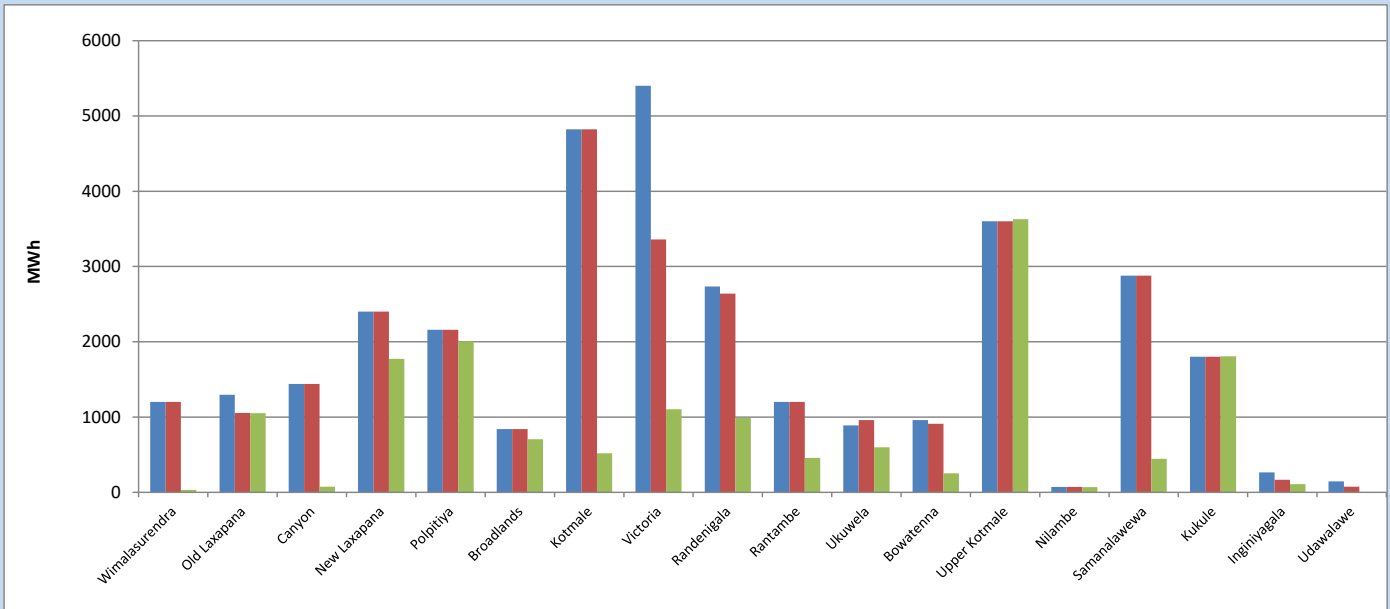


Plant availability is recorded at 6.00 am on

July 7, 2023

7. Major Hydro Plant Dispatch

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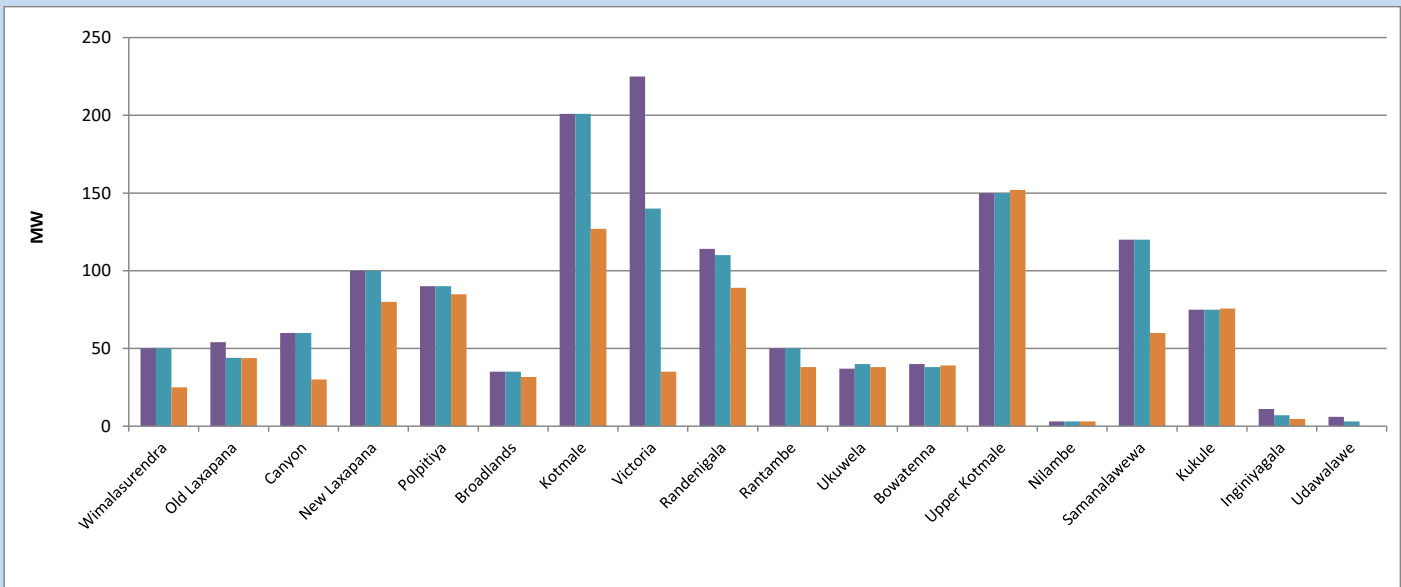


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

July 7, 2023

8. Major Hydro Plant Loading at Night Peak

July 6, 2023



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

July 7, 2023

9. Summary of Major Plant performance

Table 04

Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	33
Old Laxapana	54	44	44	1,052
Canyon	60	60	30	76
New Laxapana	100	100	80	1,775
Polpitiya	90	90	85	2,008
Broadlands	35	35	32	707
Kotmale	201	201	127	520
Victoria	225	140	35	1,104
Randenigala	114	110	89	989
Rantambe	50	50	38	459
Ukuwela	37	40	38	597
Bowatenna	40	38	39	254
Upper Kotmale	150	150	152	3,630
Nilambe	3	3	3	70
Samanalawewa	120	120	60	445
Kukule	75	75	76	1,807
Inginiyagala	11	7	5	108
Udawalawe	6	3	0	0
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	267	5,727
Puttalam Coal III	270	202	201	4,636
KPS Small GTs	64	0	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	0
Sapugaskanda A	70	32	33	512
Sapugaskanda B	70	63	63	1,228
Uthura Janani	26	24	23	261
Barge CEB	60	45	45	727
CEB-Hambantota	30	20	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	155	0	0
West Coast	270	270	280	2,945
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,683	2,084	37,882

Plant availability is the availability recorded at 6 am on

July 7, 2023

10. Contribution to the Night Peak in MW

July 6, 2023

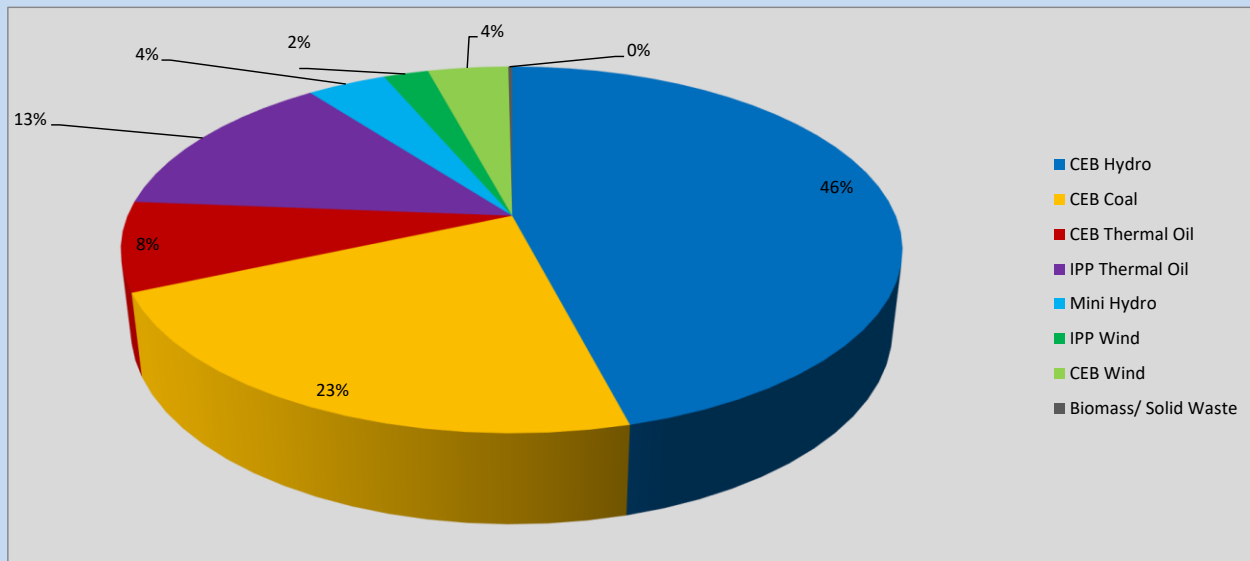


Table 05

CEB Hydro	959	MW
CEB Coal	468	MW
CEB Thermal Oil	164	MW
IPP Thermal Oil	280	MW
Mini Hydro (Telemetered)	82	MW
IPP Wind	46.3	MW
CEB Wind	82.9	MW
Biomass/ Solid Waste	4	MW

Recorded Peak Demand Data

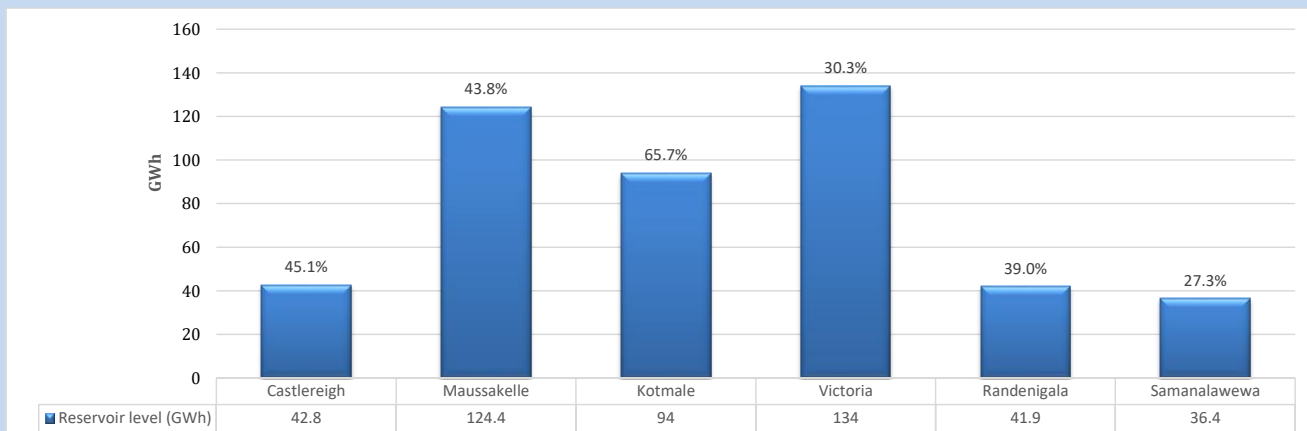
Table 06

Night Peak*	2,086	MW
Day Peak Maximum Demand	1,819	MW
Day Peak Minimum Demand	1,528	MW
Off Peak Minimum Demand	1,057	MW

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

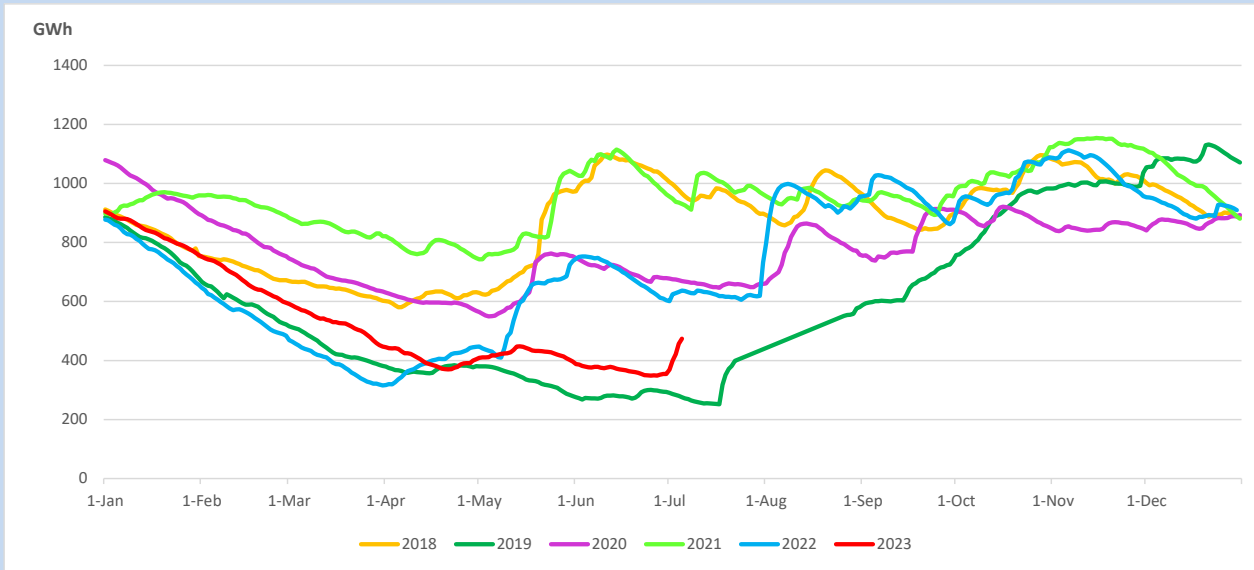
Reservoir Levels -

as at 06.00 Hr on July 7, 2023

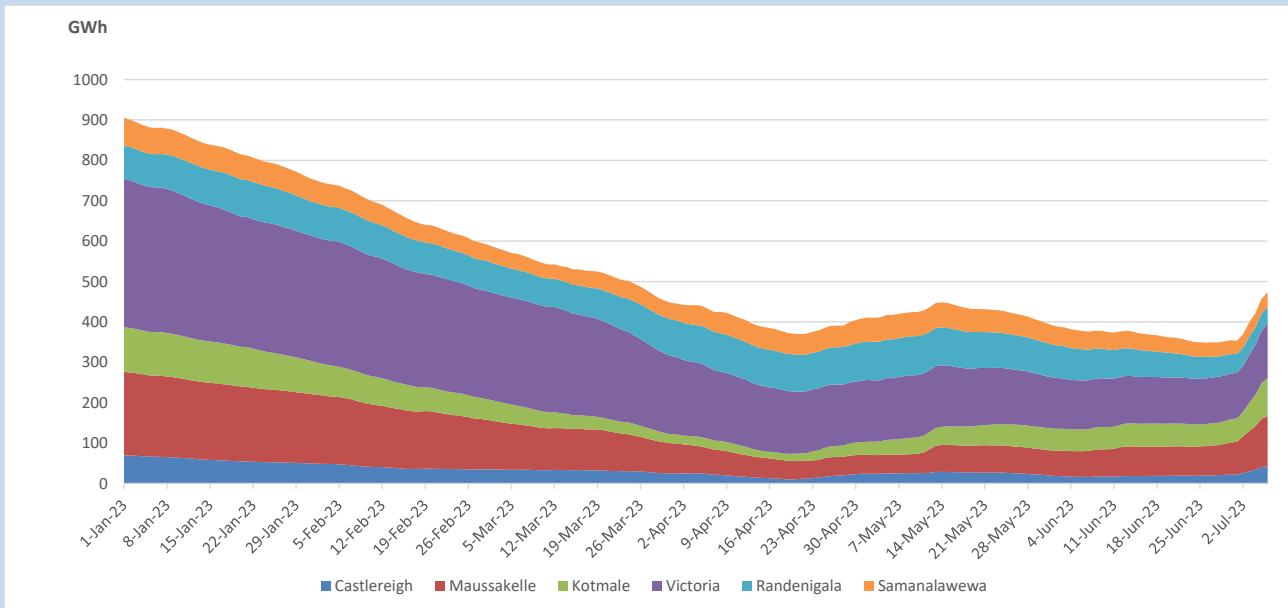


Total Reservoir Level 473.5 GWh
 % of Total capacity 39.3%

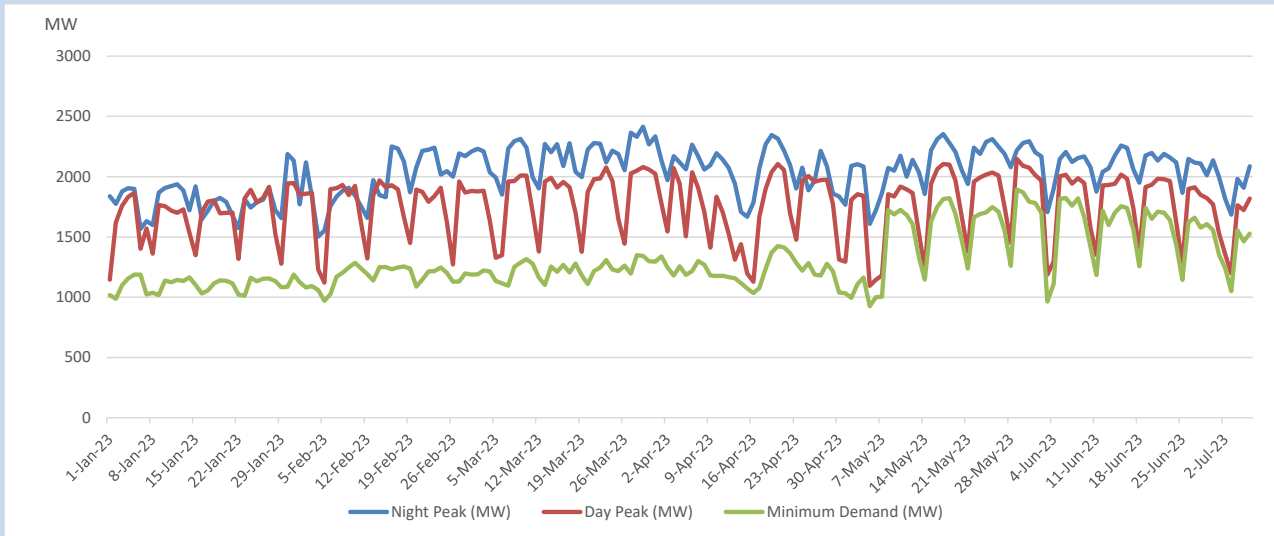
11. Comparison of Total Reservoir Storage Levels with Past Years



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



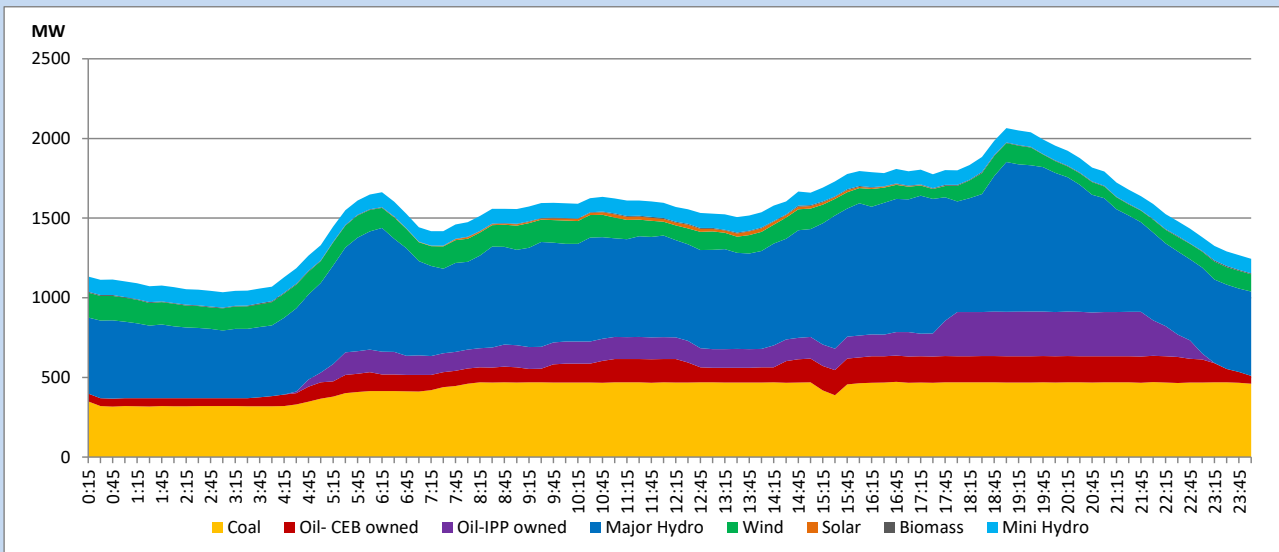
13. Variation of Demand during the current year



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

14. Daily Load Curve

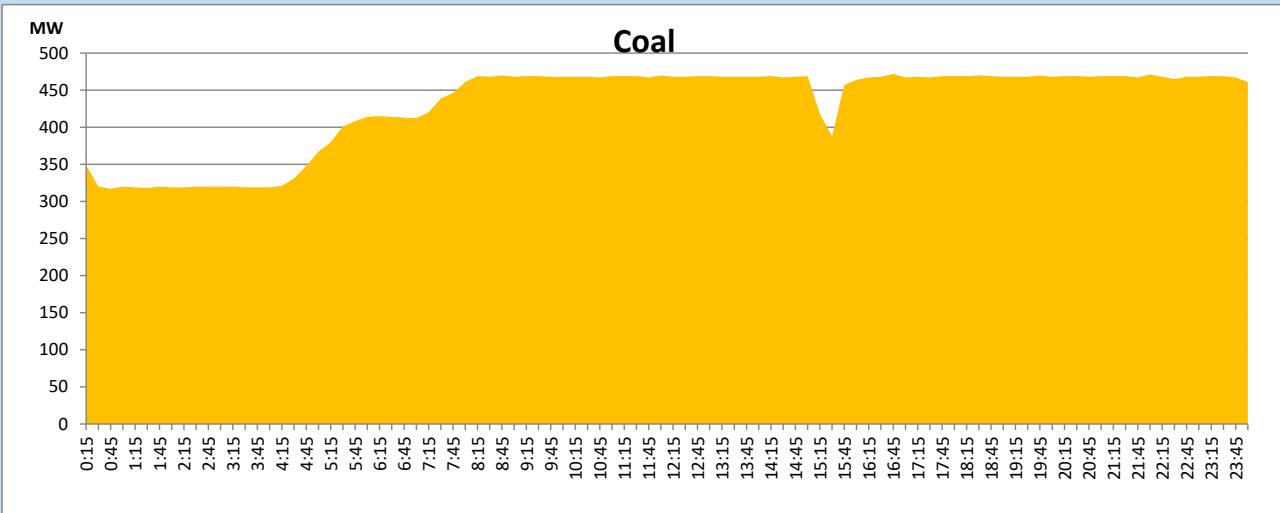
July 6, 2023



Solar and wind data is based on Telemetered Power Stations only

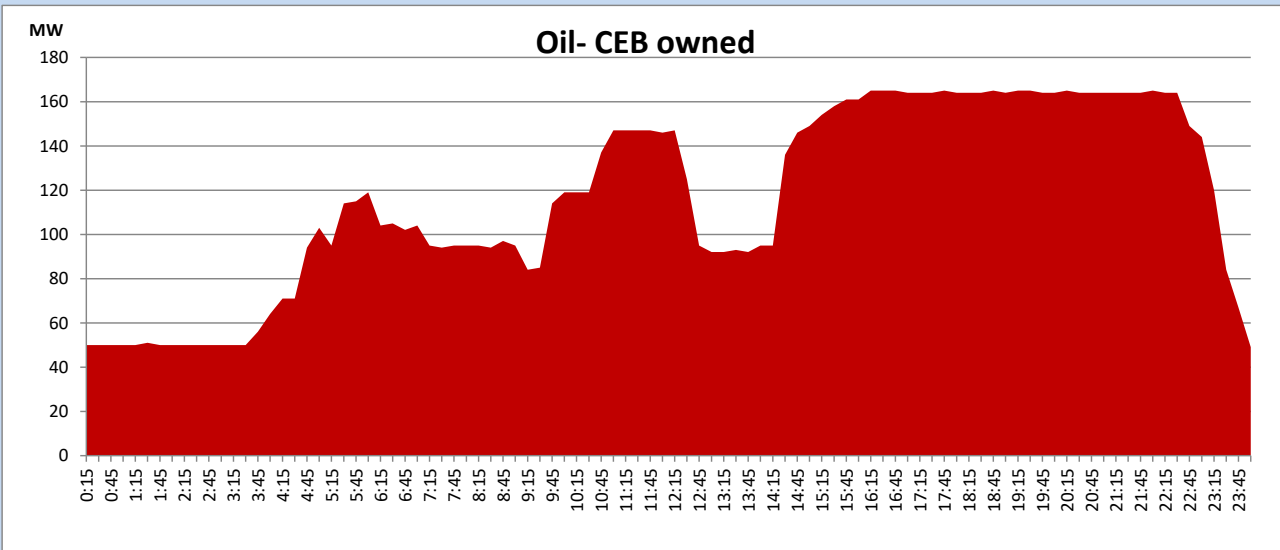
Coal Generation during

July 6, 2023



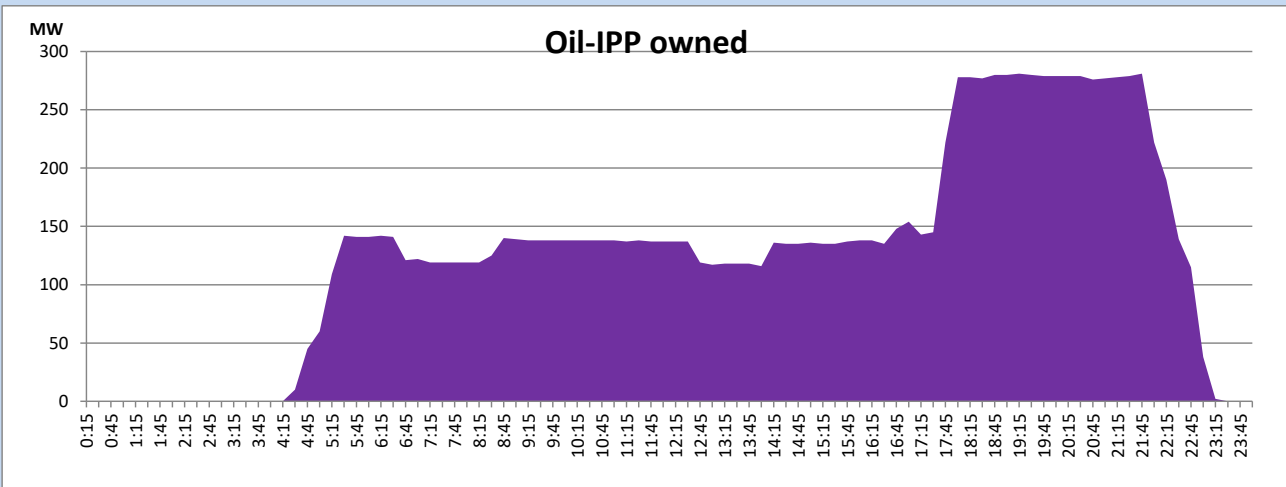
CEB Oil Plant Generation during

July 6, 2023



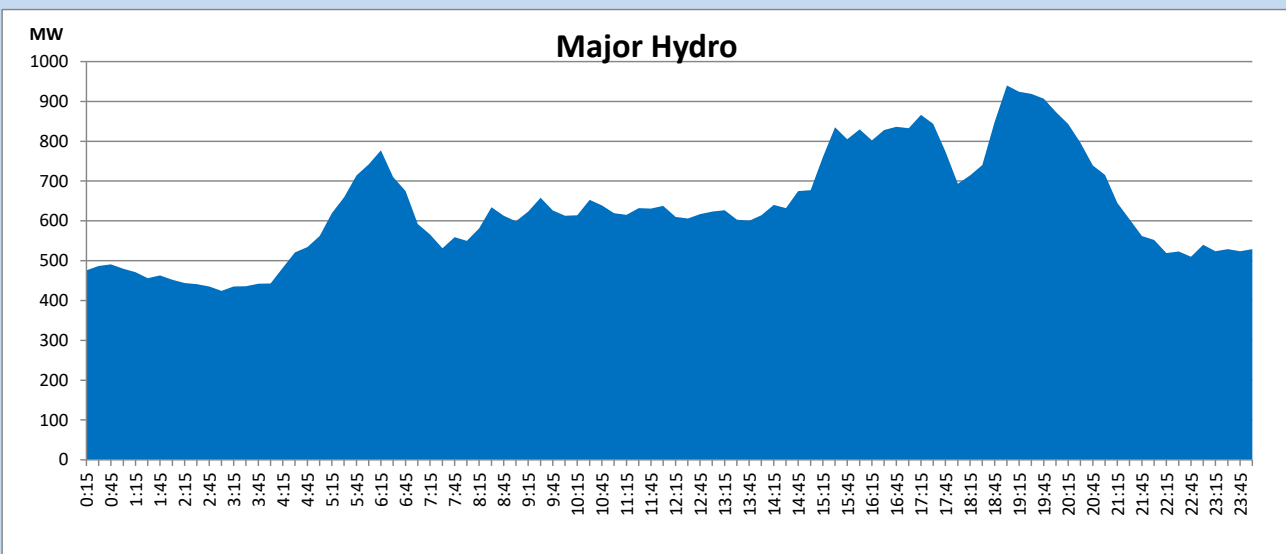
IPP Oil Plant Generation during

July 6, 2023



Major Hydro Generation during

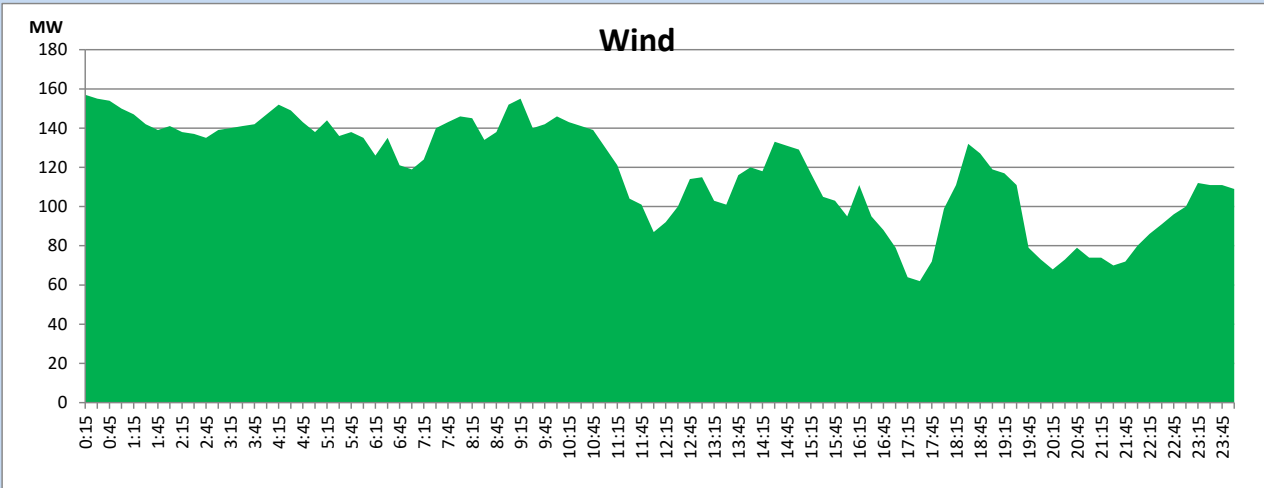
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Wind Generation during

July 6, 2023

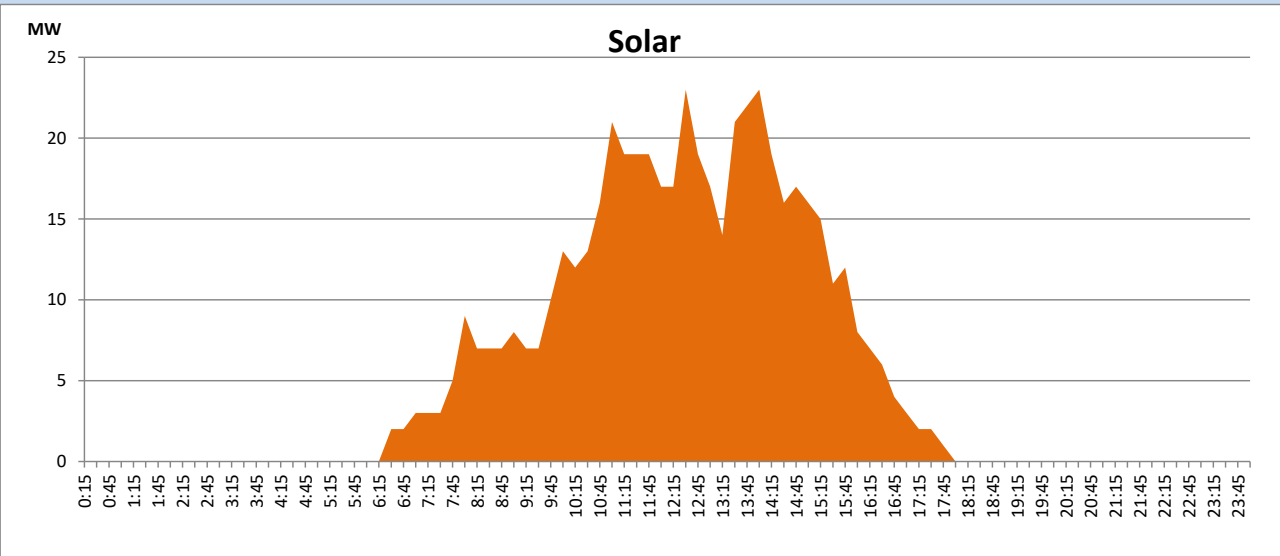
Based on Telemetered Power Stations only



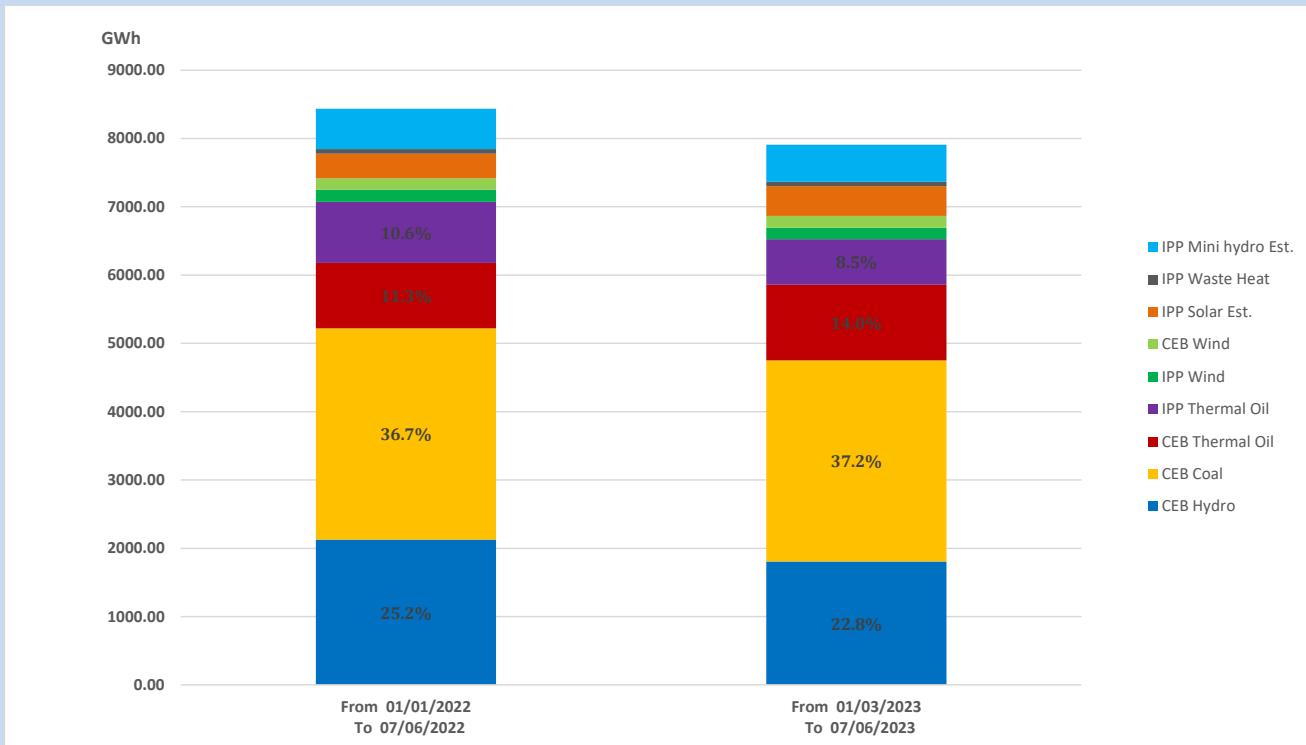
Solar Generation during

July 6, 2023

Based on Telemetered Power Stations only



15. Cumulative Dispatch Comparison with Last Year



Cumulative dispatch

From 01/01/2022 To 07/06/2022

8435 GWh

From 01/01/2023 To 07/06/2023

7914 GWh

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

July 6, 2023

- 1) Upper Kothmale spilling stopped at 15:43hrs.
- 2) Kukule spilling stopped at 2:15hrs (07.07.2023).