

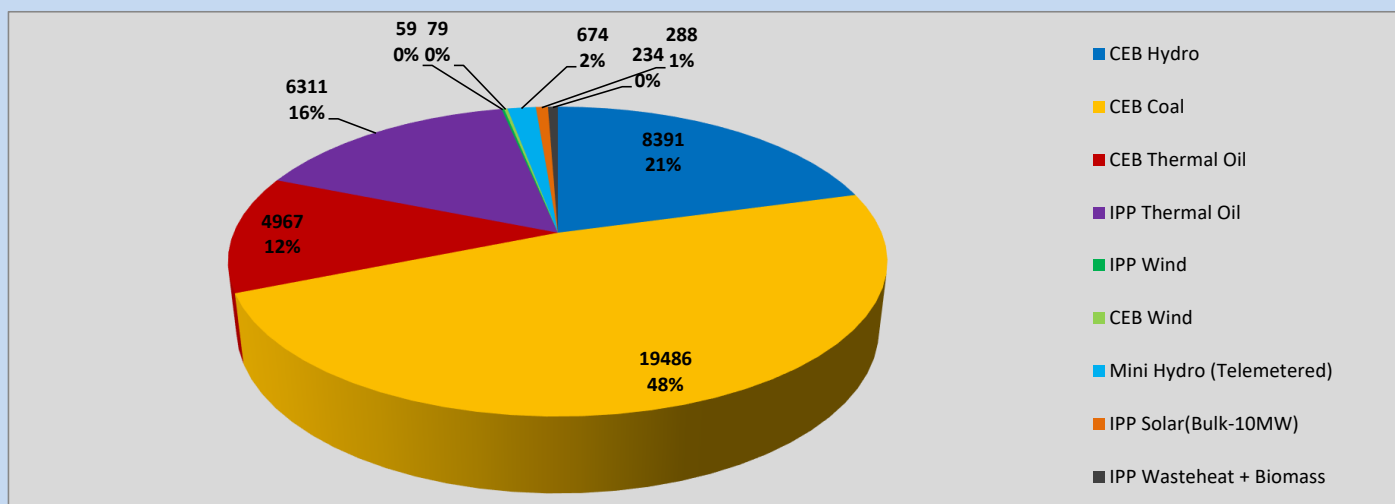
Generation and Reservoirs Statistics

April 18, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,489 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 1706 MWh
 Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh
 Estimated Solar Roof Top PV = 1640 MWh

Cumulative Dispatch

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

For Current Month

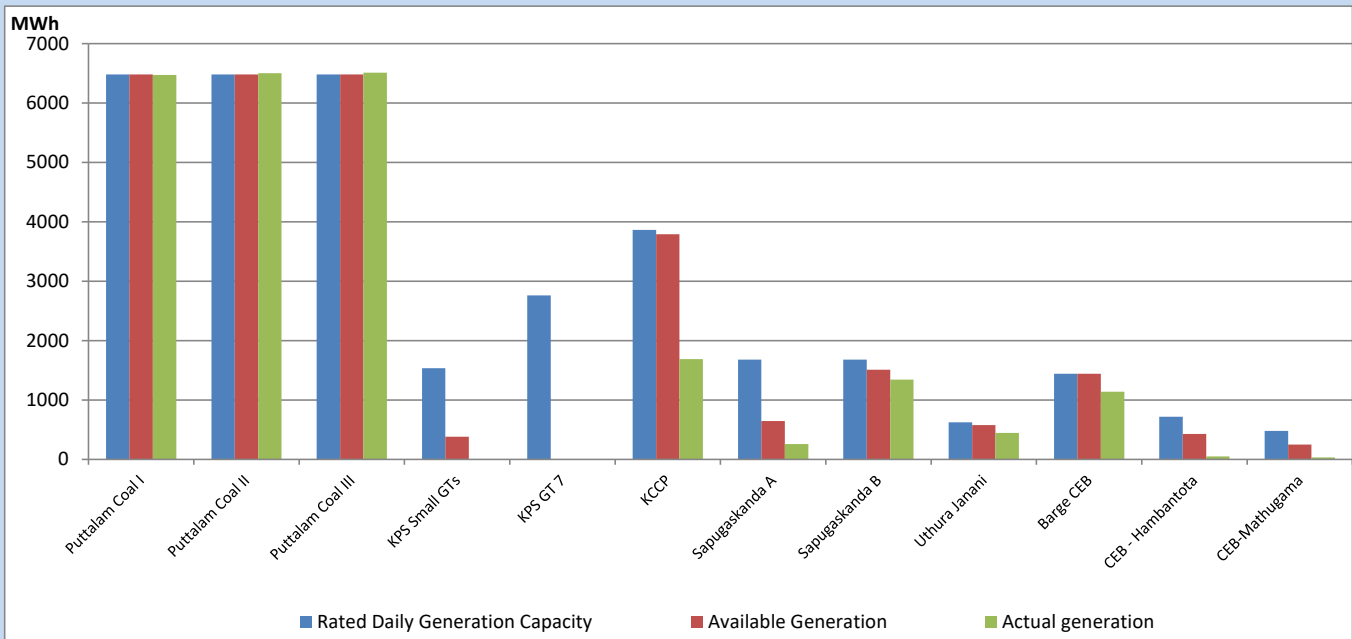
Category	Dispatch (GWh)	Percentage
CEB Hydro	199	30.14%
CEB Coal	233	35.24%
CEB Thermal Oil	99	14.97%
IPP Thermal	91	13.79%
SPP Wind	4	0.62%
CEB Wind	5	0.83%
Mini Hydro (Telemetered)	16	2.40%
IPP Solar(Bulk-10MW)	6	0.90%
IPP Wasteheat + BMP	5	0.81%
Total	662	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,121	27.48%
CEB Coal	1,756	43.06%
CEB Thermal Oil	569	13.96%
IPP Thermal	361	8.86%
SPP Wind	55	1.35%
CEB Wind	66	1.61%
Mini Hydro (Telemetered)	85	2.08%
IPP Solar(Bulk-10MW)	32	0.78%
IPP Wasteheat	32	0.78%
Total	4,078	

CEB owned Thermal Plant Dispatch

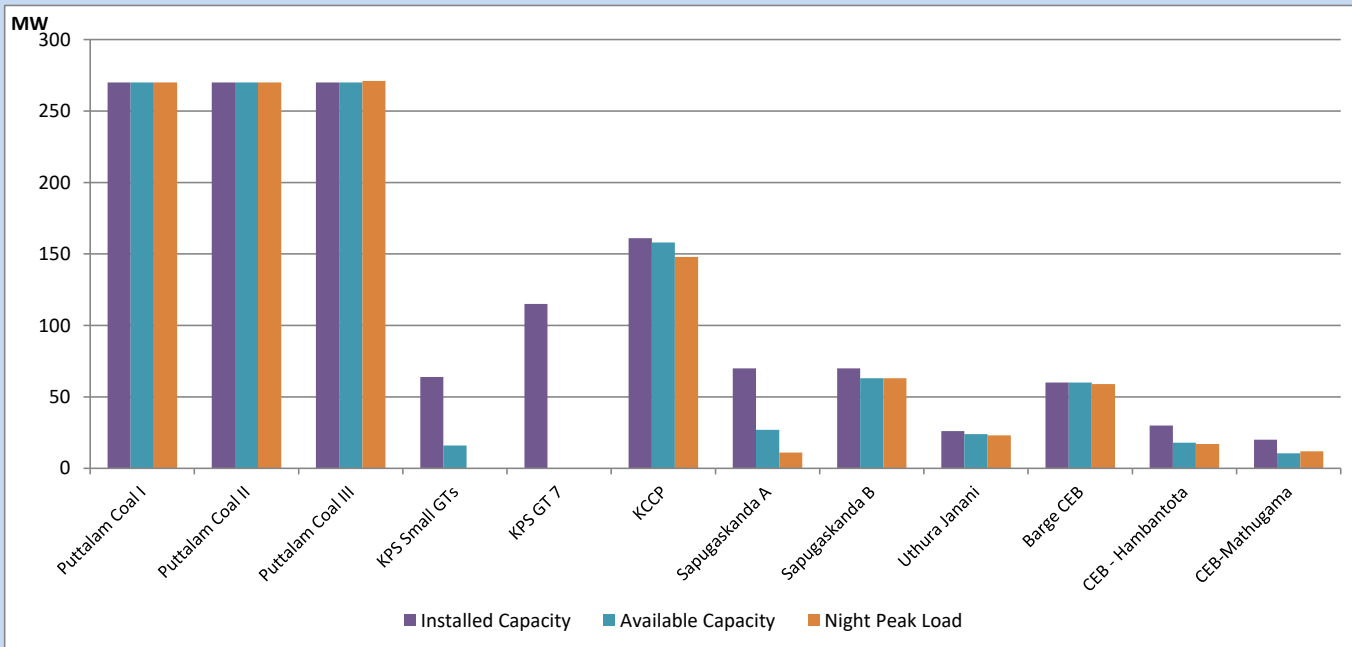
April 18, 2023



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

April 19, 2023

CEB owned Thermal Plant Loading at the Night Peak

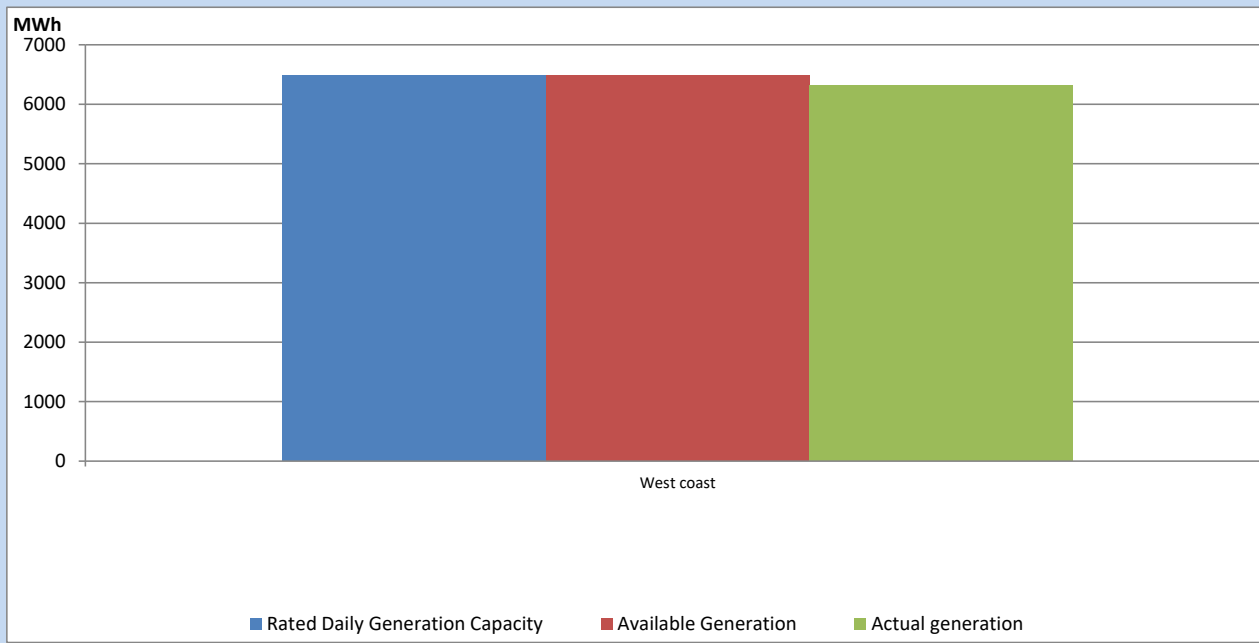


Note- Plant avilability is recorded at 6.00 am on

April 19, 2023

IPP owned Thermal Plant Dispatch

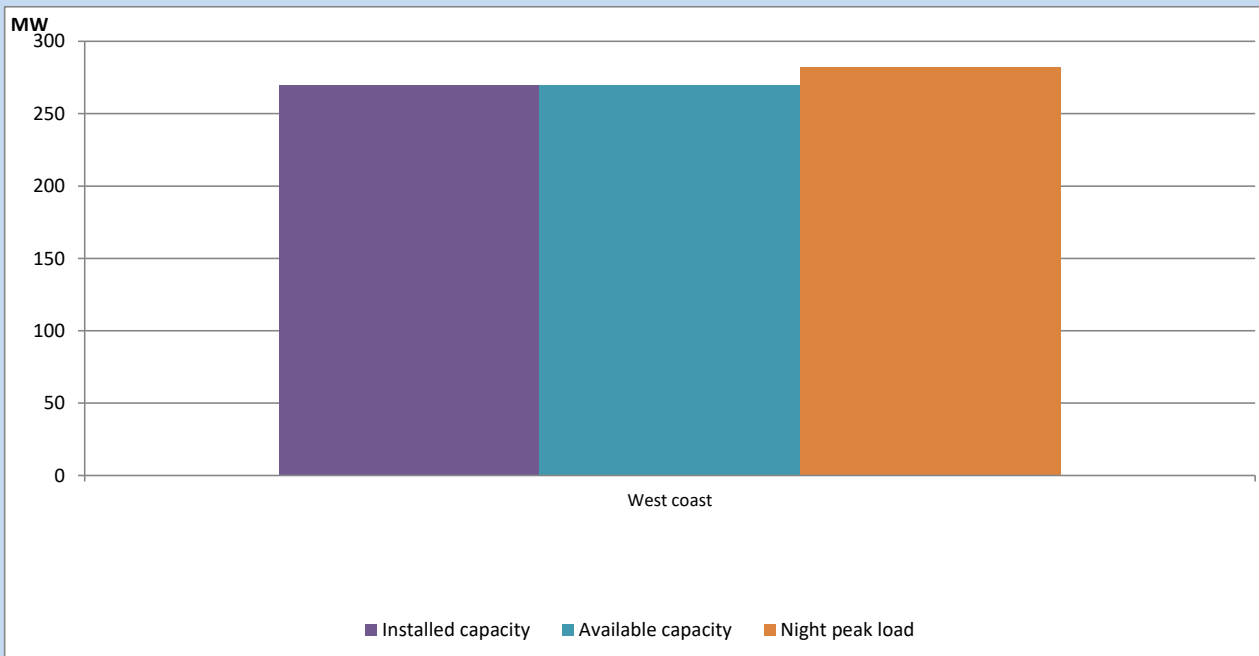
April 18, 2023



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

April 19, 2023

IPP owned Thermal Plant Loading at the Night Peak

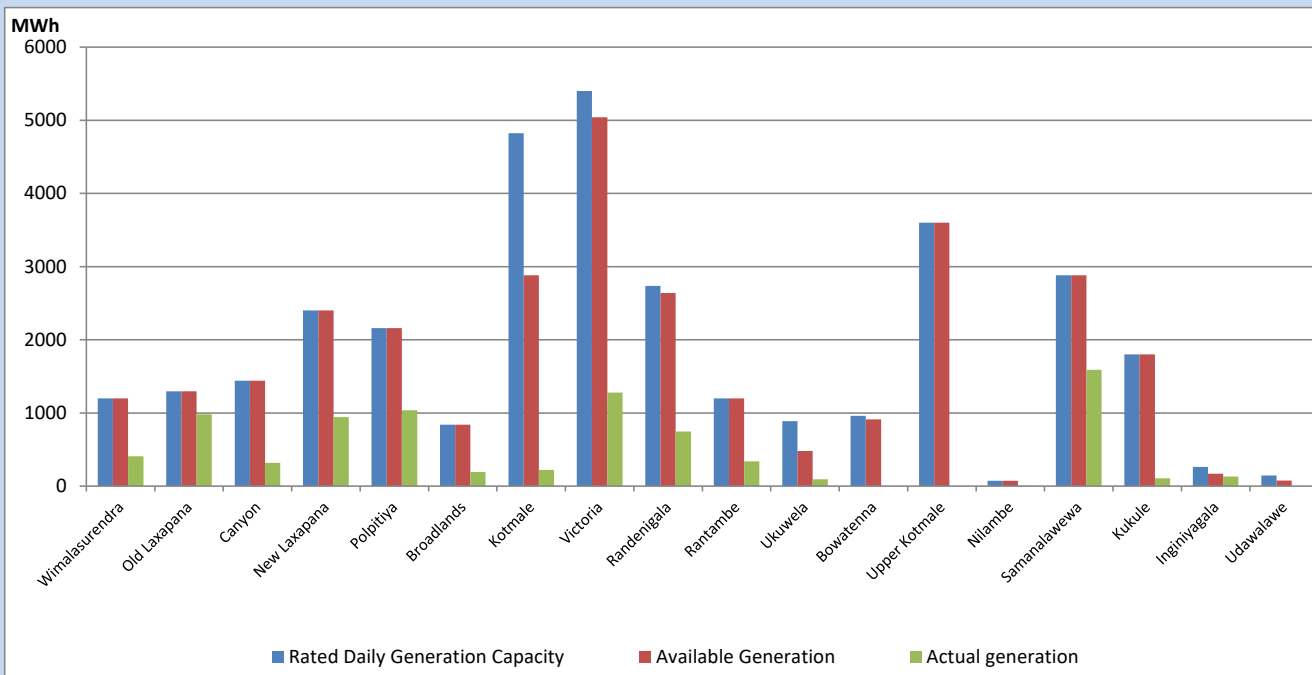


Note- Plant availability is recorded at 6.00 am on

April 19, 2023

Major Hydro Plant Dispatch

April 18, 2023

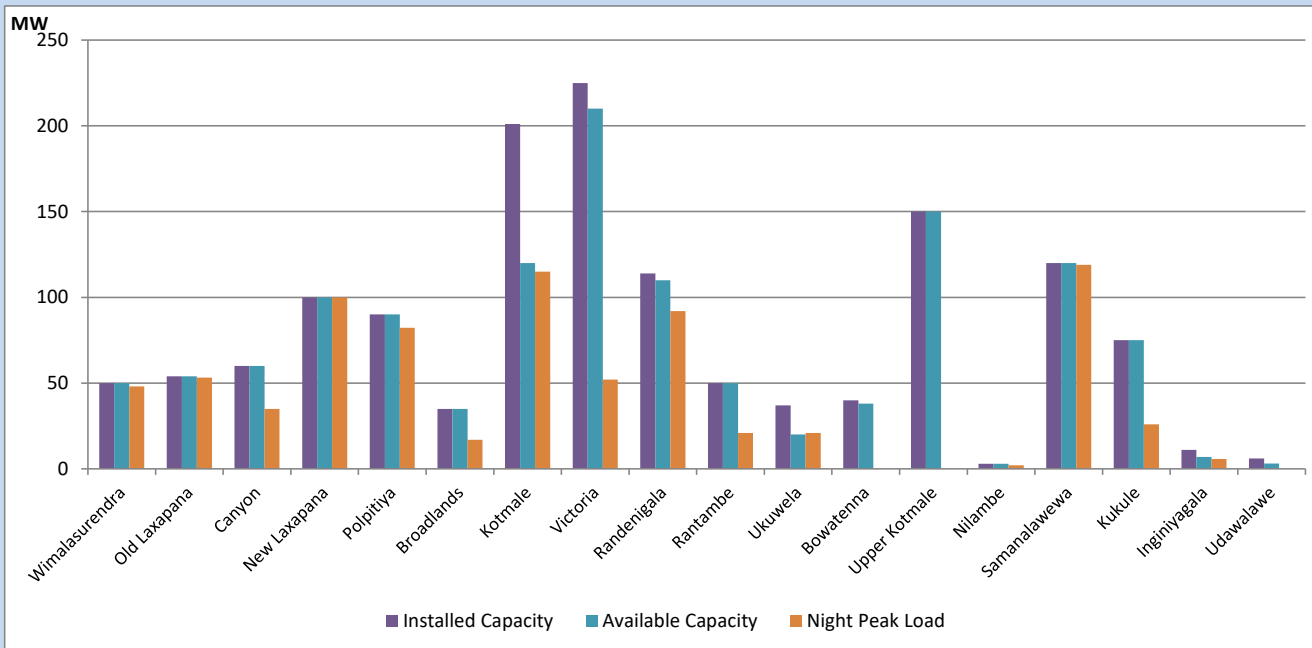


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

April 19, 2023

Major Hydro Plant Loading at Night Peak

April 18, 2023



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

April 19, 2023

Summary of Major Plant performance

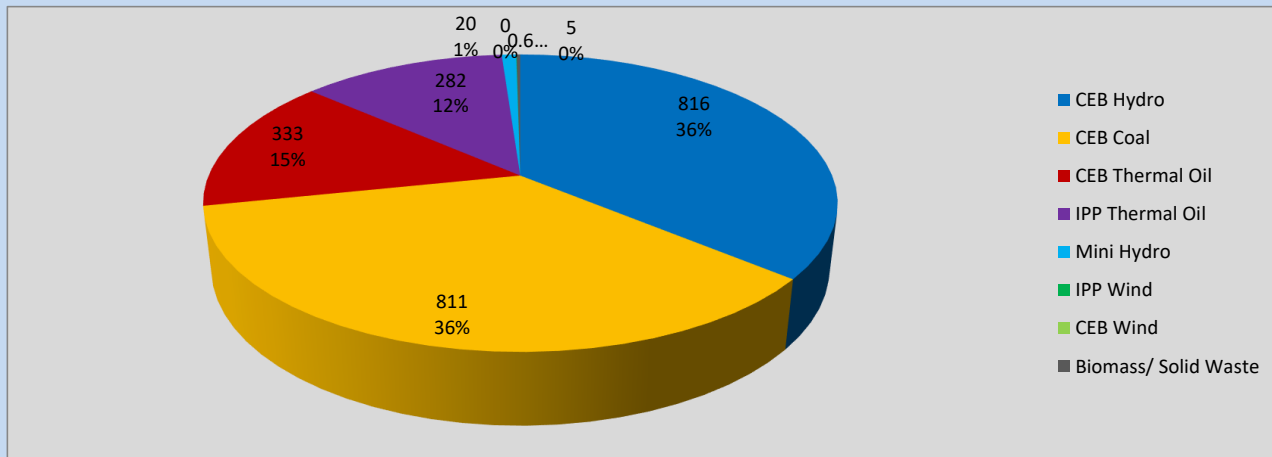
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	48	409
Old Laxapana	54	54	53	982
Canyon	60	60	35	317
New Laxapana	100	100	100	943
Polpitiya	90	90	82	1,037
Broadlands	35	35	17	193
Kotmale	201	120	115	220
Victoria	225	210	52	1,277
Randenigala	114	110	92	747
Rantambe	50	50	21	338
Ukuwela	37	20	21	93
Bowatenna	40	38	0	0
Upper Kotmale	150	150	0	0
Nilambe	3	3	2	6
Samanalawewa	120	120	119	1,591
Kukule	75	75	26	107
Inginiyagala	11	7	6	131
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	270	6,471
Puttalam Coal II	270	270	270	6,502
Puttalam Coal III	270	270	271	6,513
KPS Small GTs	64	16	0	0
KPS GT 7	115	0	0	0
KCCP	161	158	148	1,689
Sapugaskanda A	70	27	11	259
Sapugaskanda B	70	63	63	1,346
Uthura Janani	26	24	23	447
Barge CEB	60	60	59	1,141
CEB-Hambantota	30	18	17	52
CEB-Mathugama	20	11	12	33
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	282	6,311
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,752	2,241	40,489

Plant availability is the availability recorded at 6 am on

April 19, 2023

Contribution to the Night Peak in MW

April 18, 2023

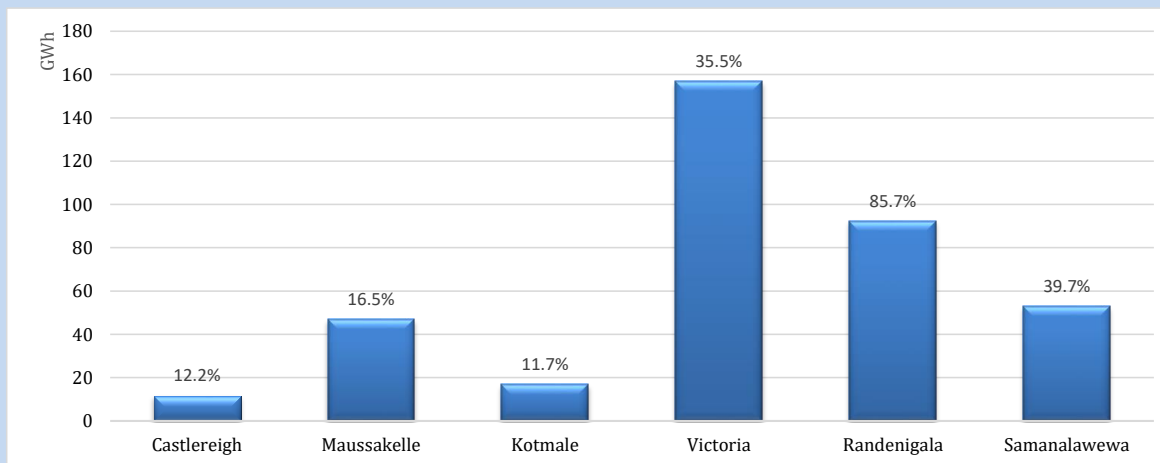


Night Peak*	2,268 MW
Day Peak	1,900 MW
Minimum Demand	1,235 MW

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

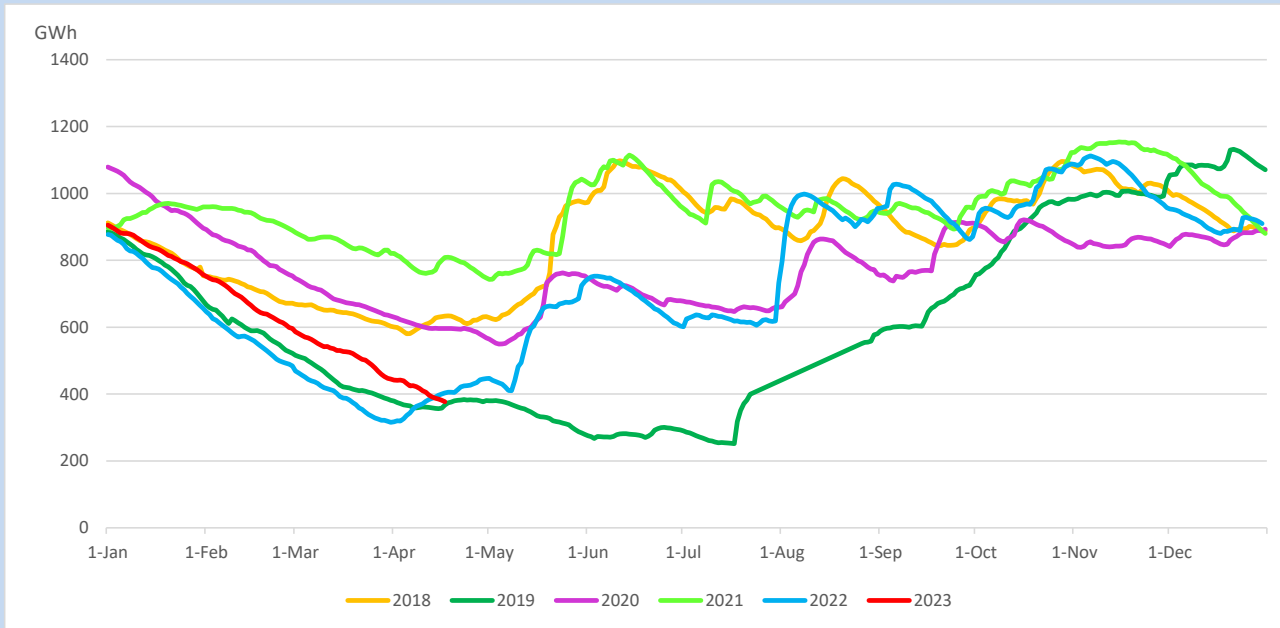
Reservoir Levels -

as at 06.00 Hr on April 19, 2023

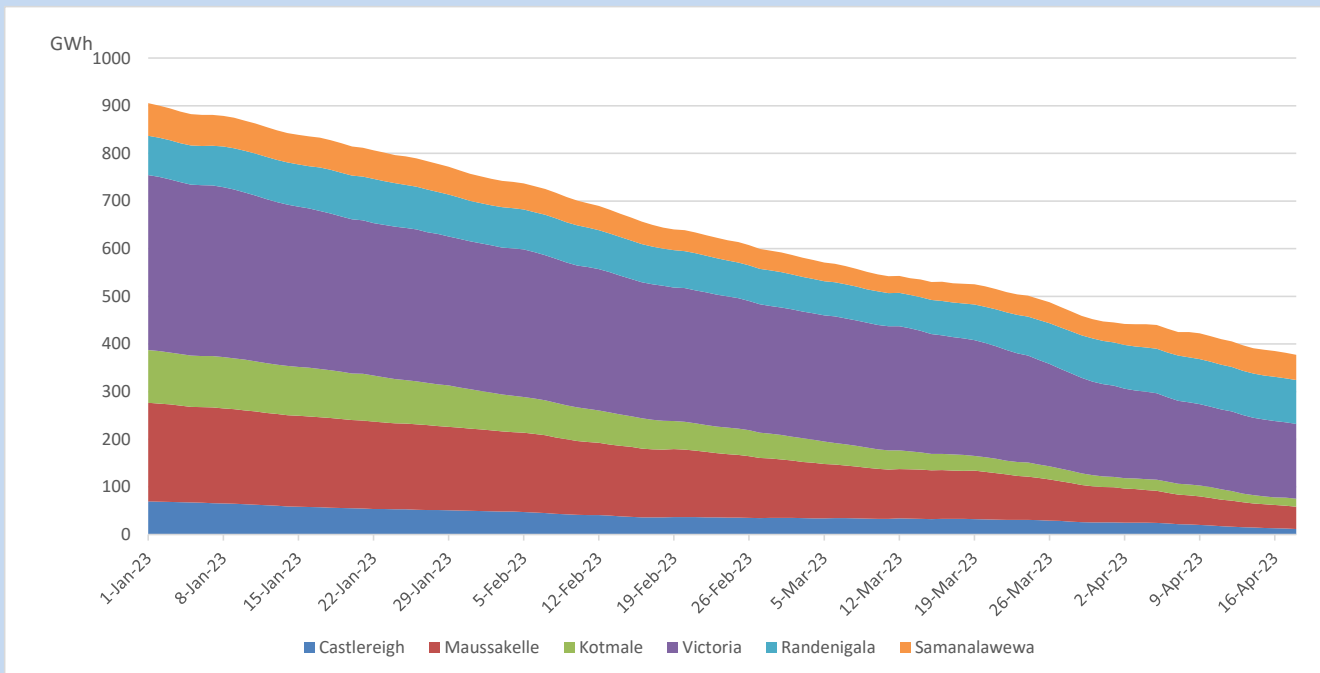


Total Reservoir Level	377.2 GWh
% of Total capacity	31.3%

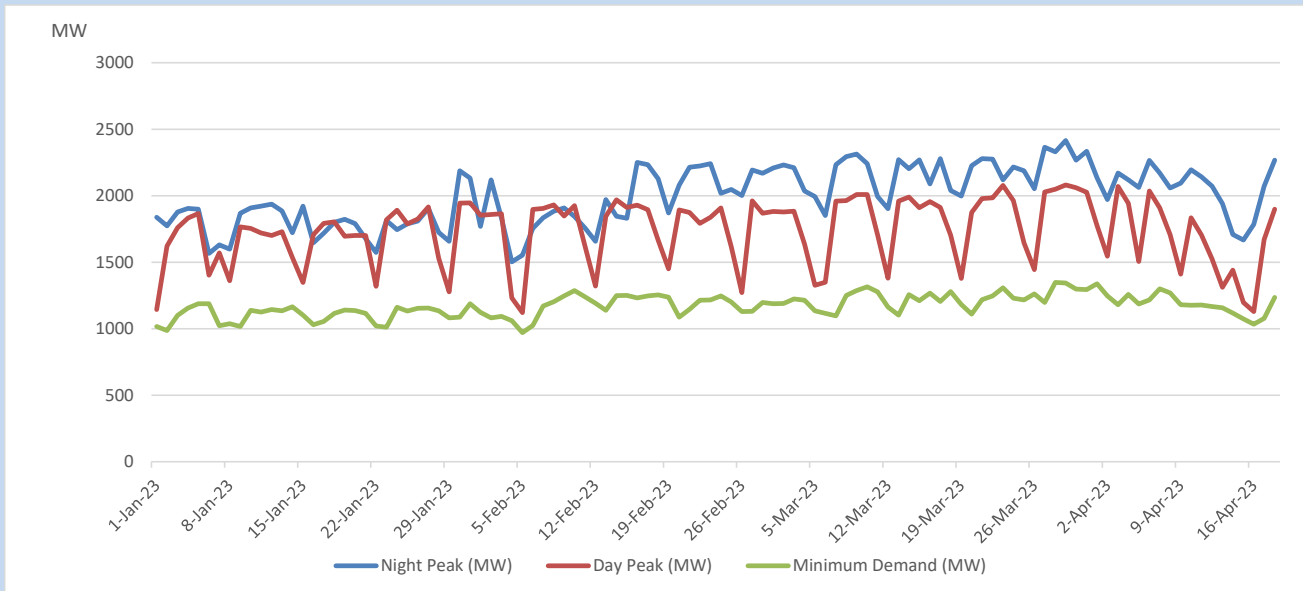
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

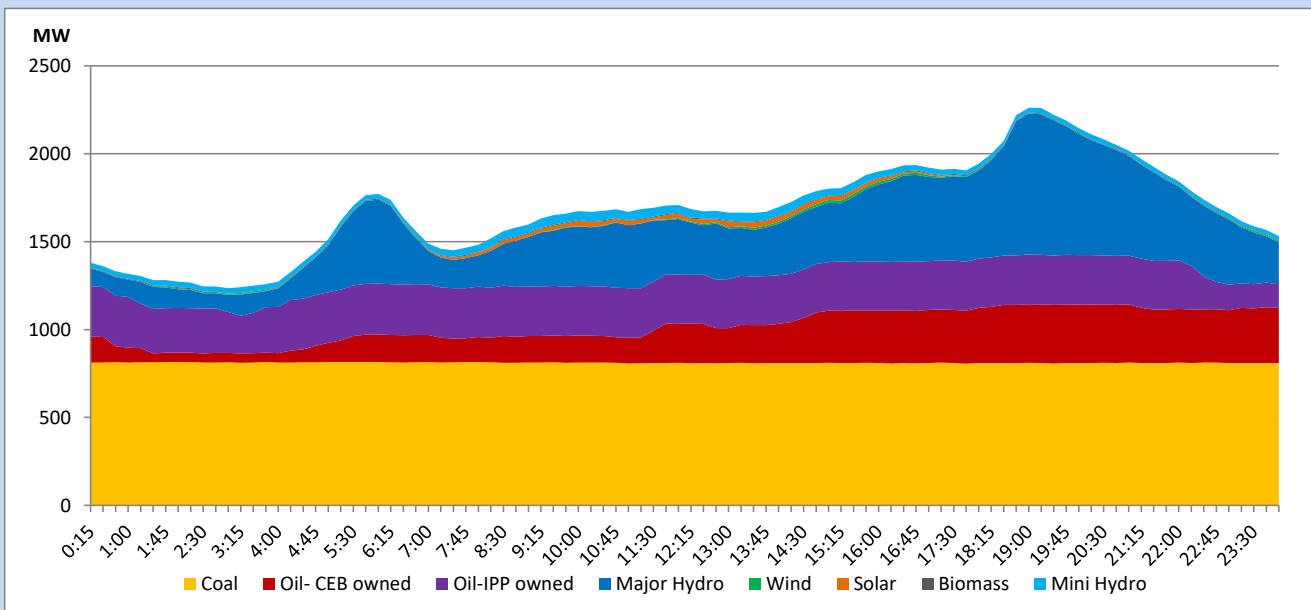


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

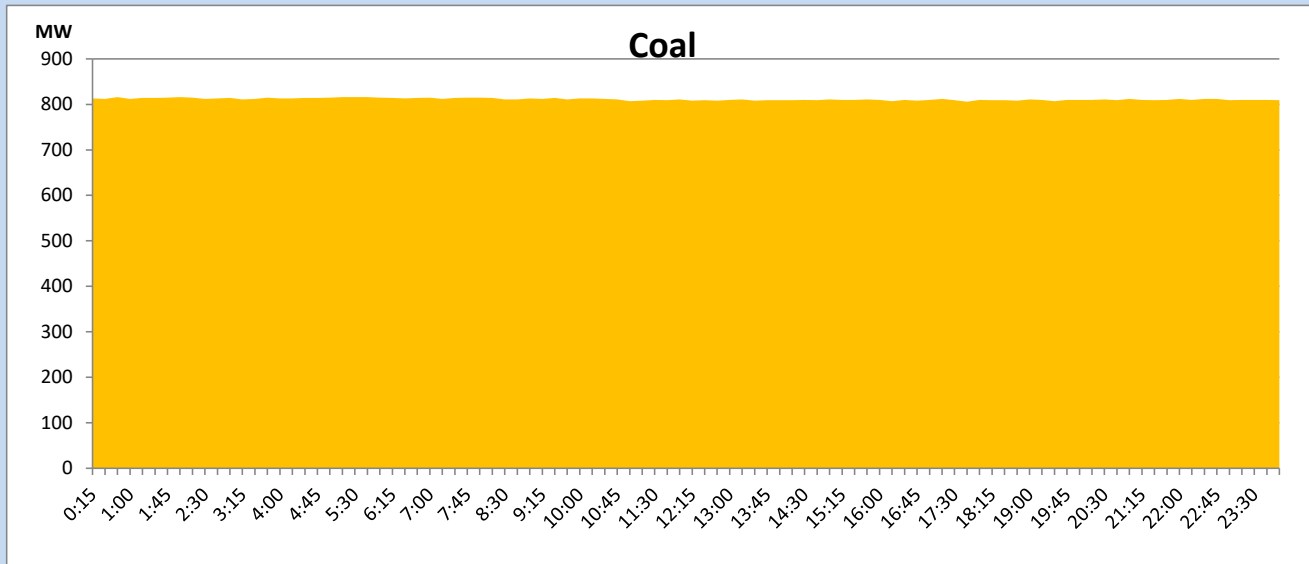
April 18, 2023

Solar and wind data is based on Telemetered Power Stations only



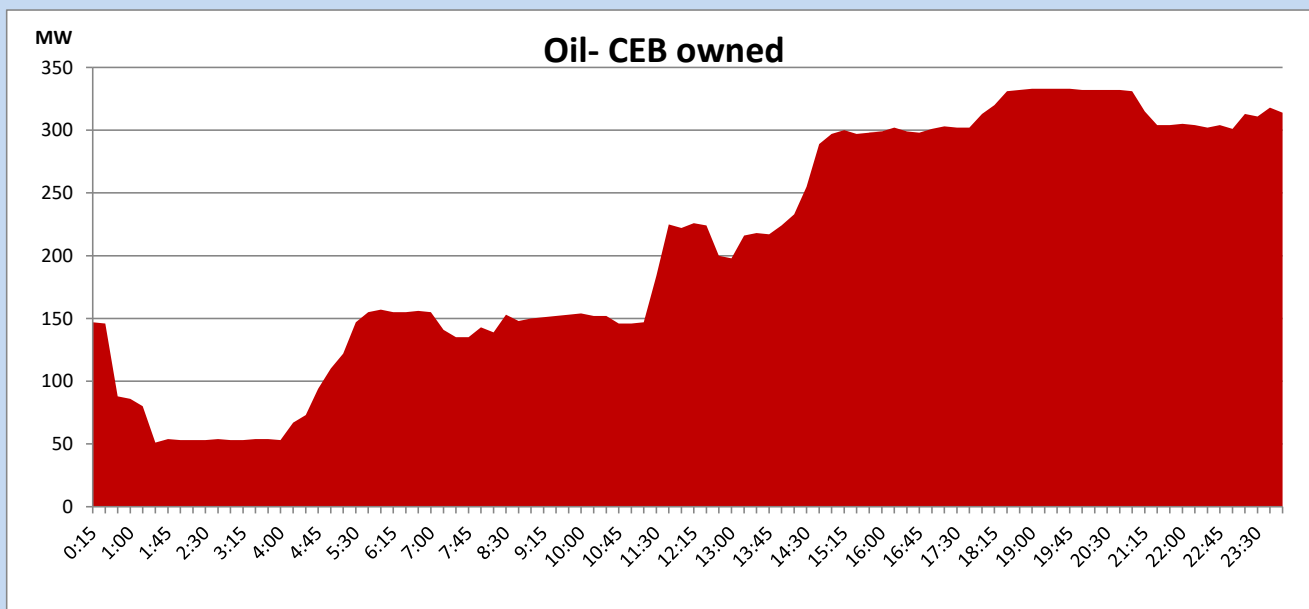
Coal Generation during

April 18, 2023



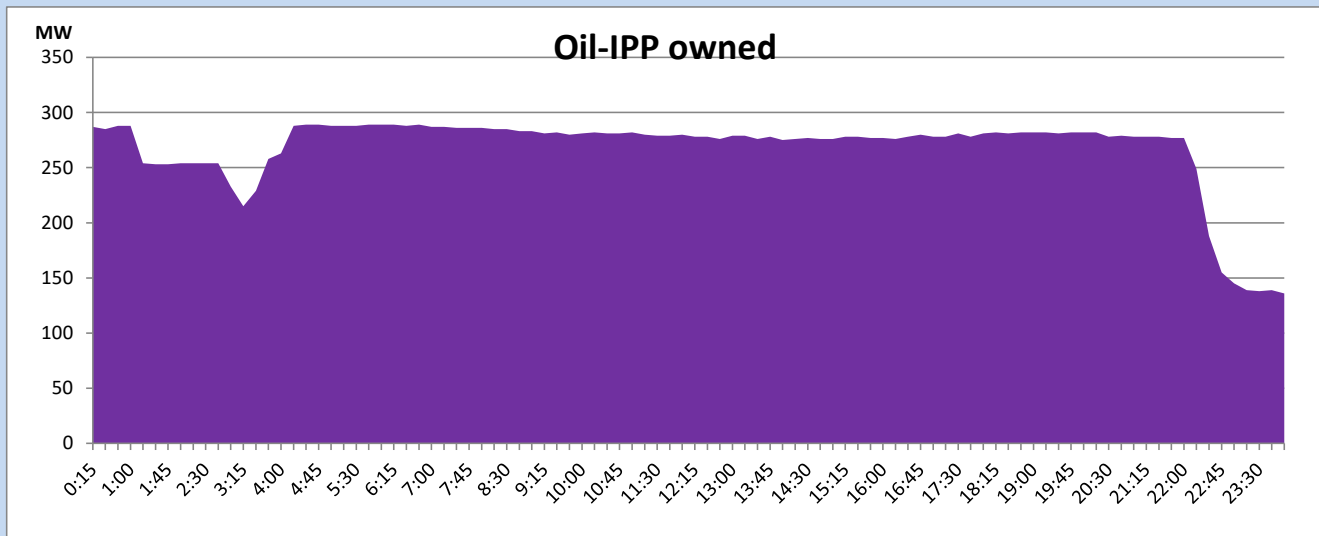
CEB Oil Plant Generation during

April 18, 2023



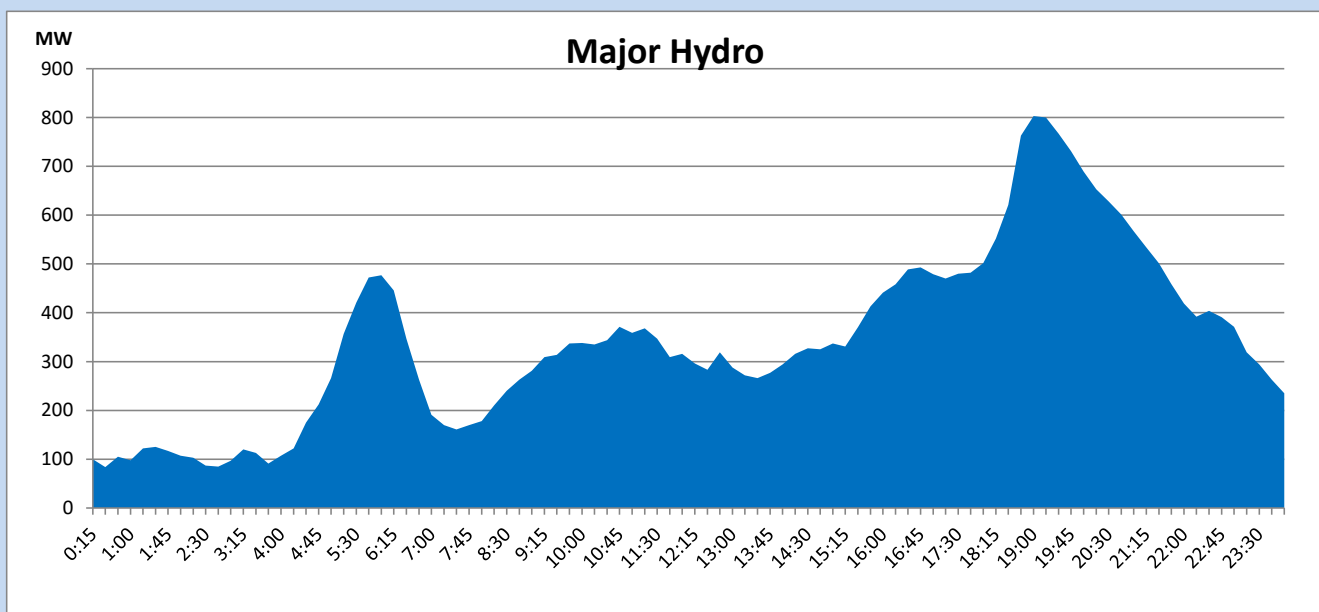
IPP Oil Plant Generation during

April 18, 2023



Major Hydro Generation during

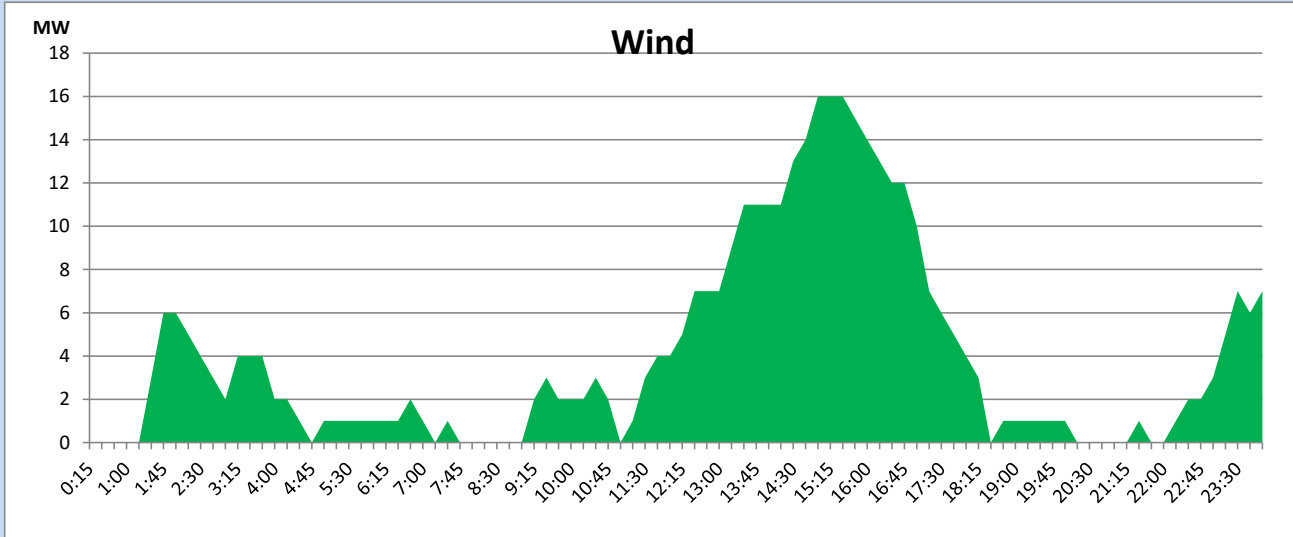
April 18, 2023



Wind Generation during

April 18, 2023

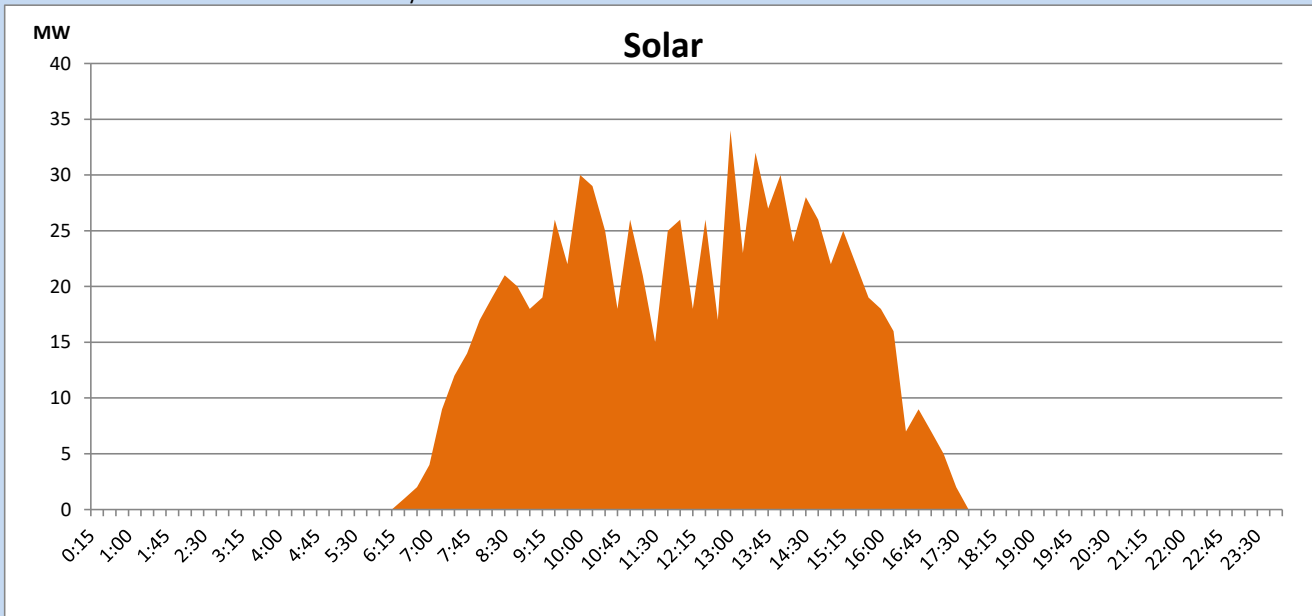
Based on Telemetered Power Stations only



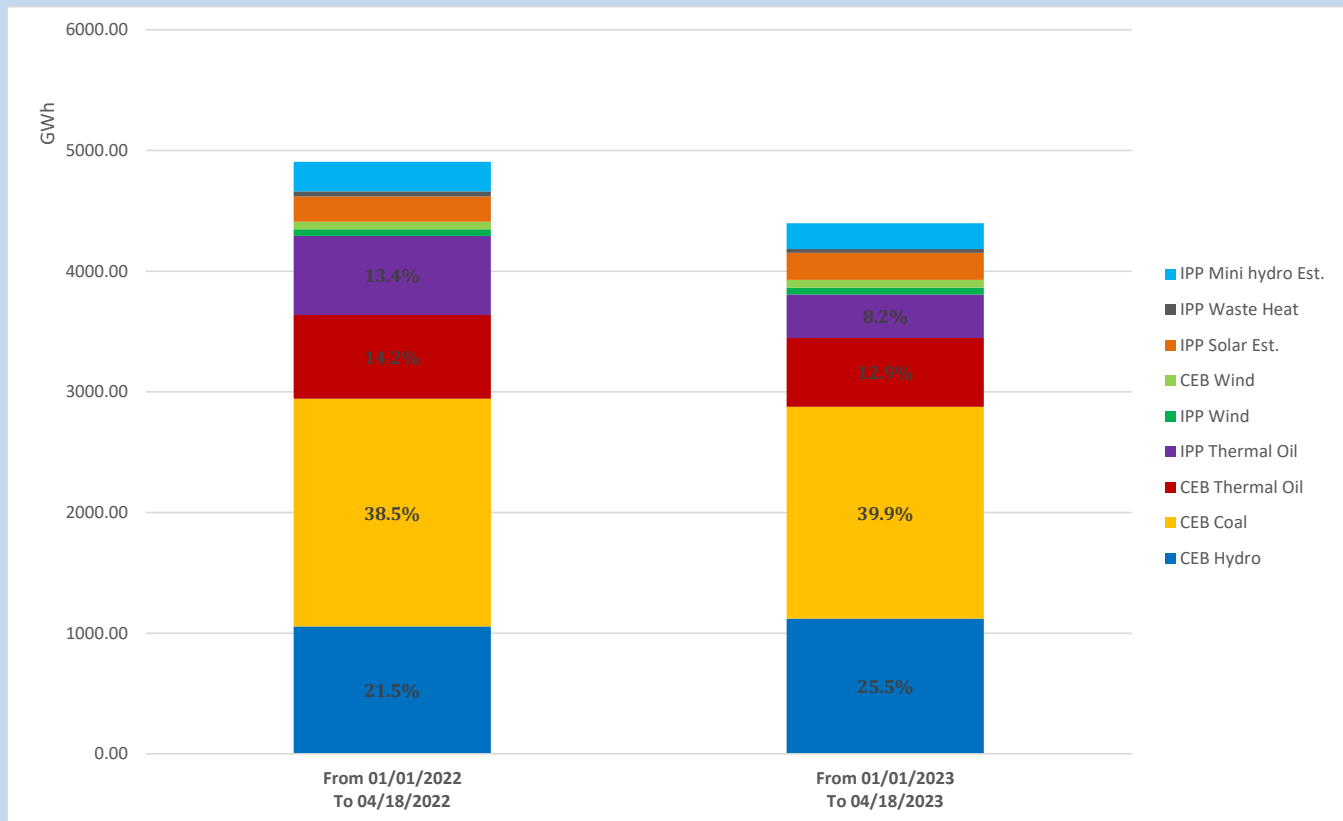
Solar Generation during

April 18, 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

April 18, 2023

1) Mannar - Nadukuda 220kV cct 02 was manually switched off from both ends at 14.31hrs due to a detection of underground cable damage. The cct is yet to be energized.

2) Sapugaskanda PS unit 10 tripped at 10:38hrs due to a PLC fault. Sapugaskanda PS unit 10 resumed generation at 13:56hrs

3) WCP availability limited to 130MW from 22:00hrs to 06:00hrs(19.04.23) due to fuel oil treatment plant inspection.

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