

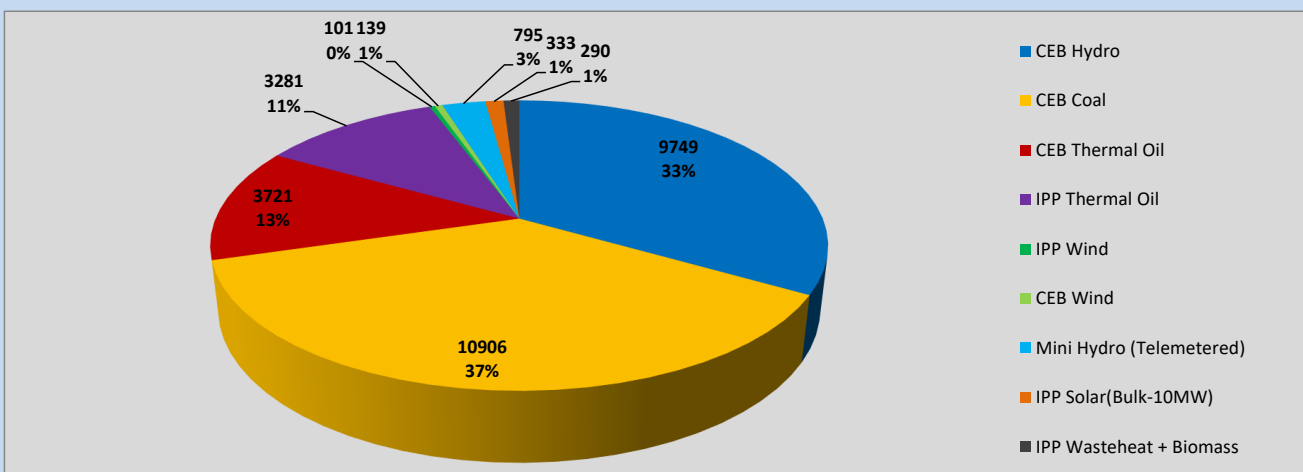
Generation and Reservoirs Statistics

April 15, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

29,315 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 1585 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

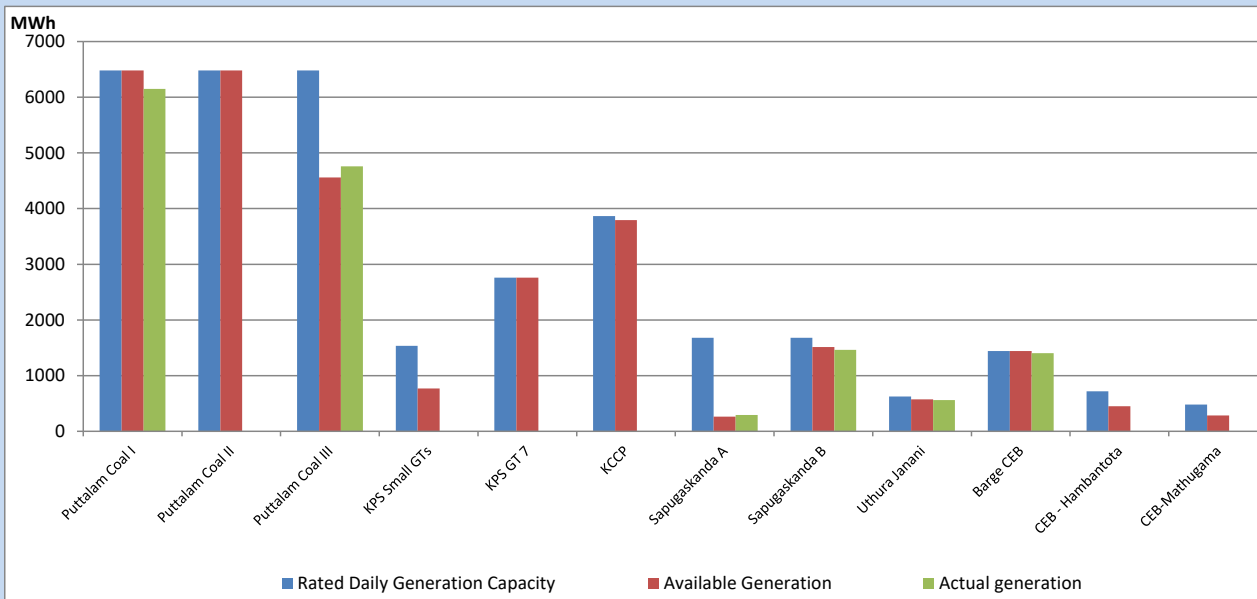
Category	Dispatch (GWh)	Percentage
CEB Hydro	172	31.11%
CEB Coal	180	32.51%
CEB Thermal Oil	88	15.85%
IPP Thermal	82	14.75%
SPP Wind	4	0.68%
CEB Wind	5	0.90%
Mini Hydro (Telemetered)	14	2.45%
IPP Solar (Bulk-10MW)	5	0.91%
IPP Wasteheat + BMP	5	0.84%
Total	554	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,094	27.55%
CEB Coal	1,703	42.89%
CEB Thermal Oil	558	14.05%
IPP Thermal	352	8.86%
SPP Wind	55	1.38%
CEB Wind	65	1.64%
Mini Hydro (Telemetered)	82	2.08%
IPP Solar (Bulk-10MW)	31	0.77%
IPP Wasteheat	31	0.78%
Total	3,970	

CEB owned Thermal Plant Dispatch

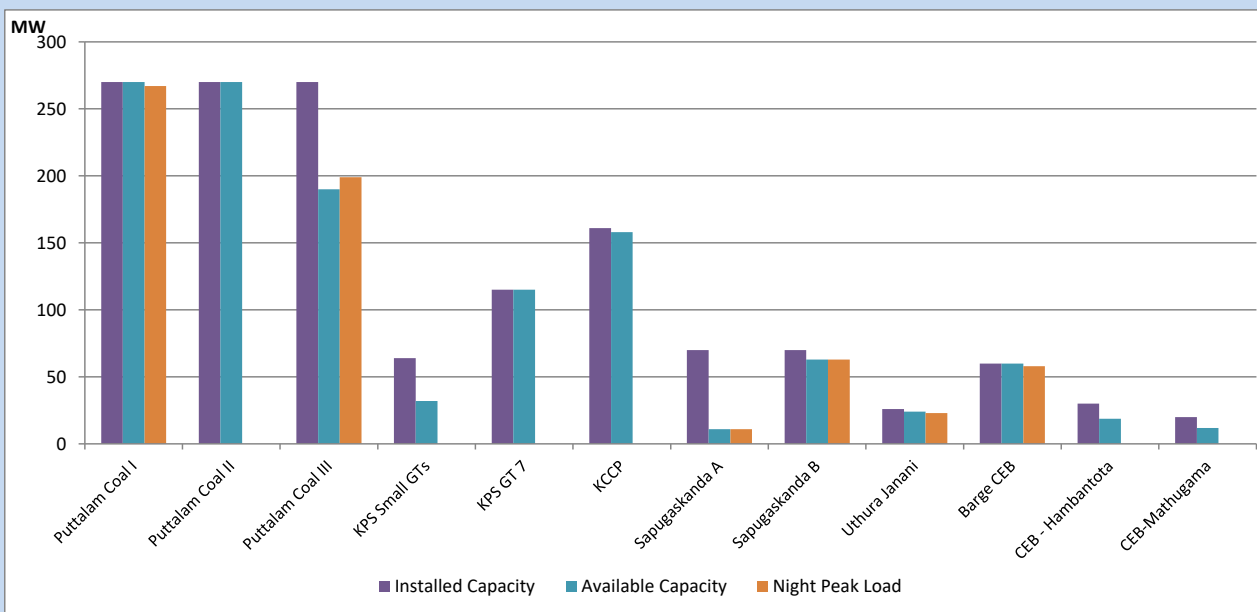
April 15, 2023



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

April 16, 2023

CEB owned Thermal Plant Loading at the Night Peak

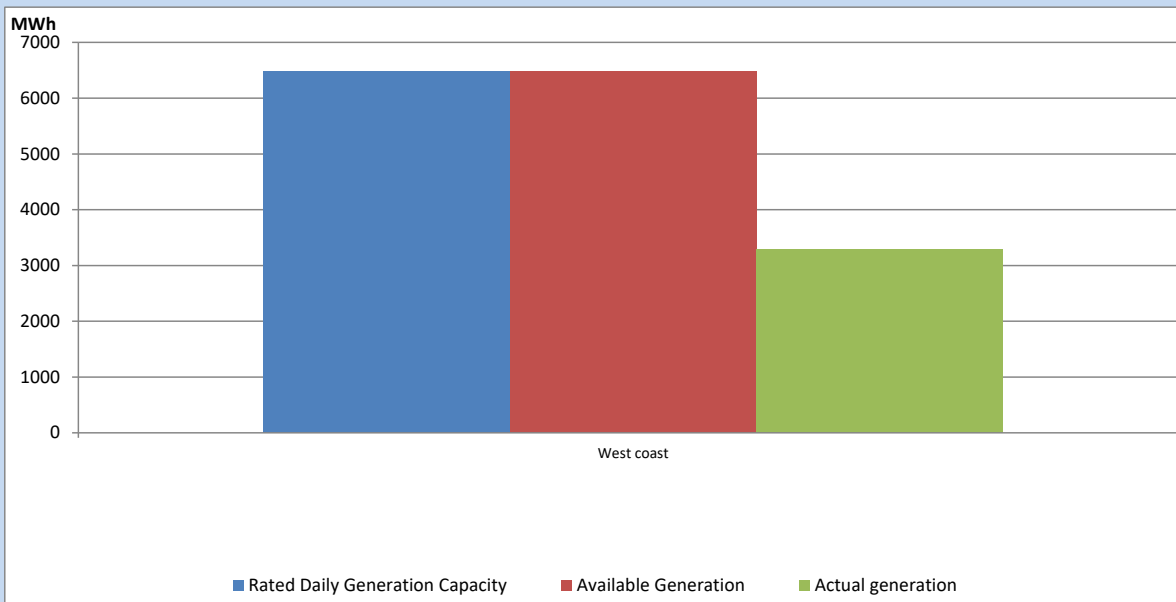


Note- Plant availability is recorded at 6.00 am on

April 16, 2023

IPP owned Thermal Plant Dispatch

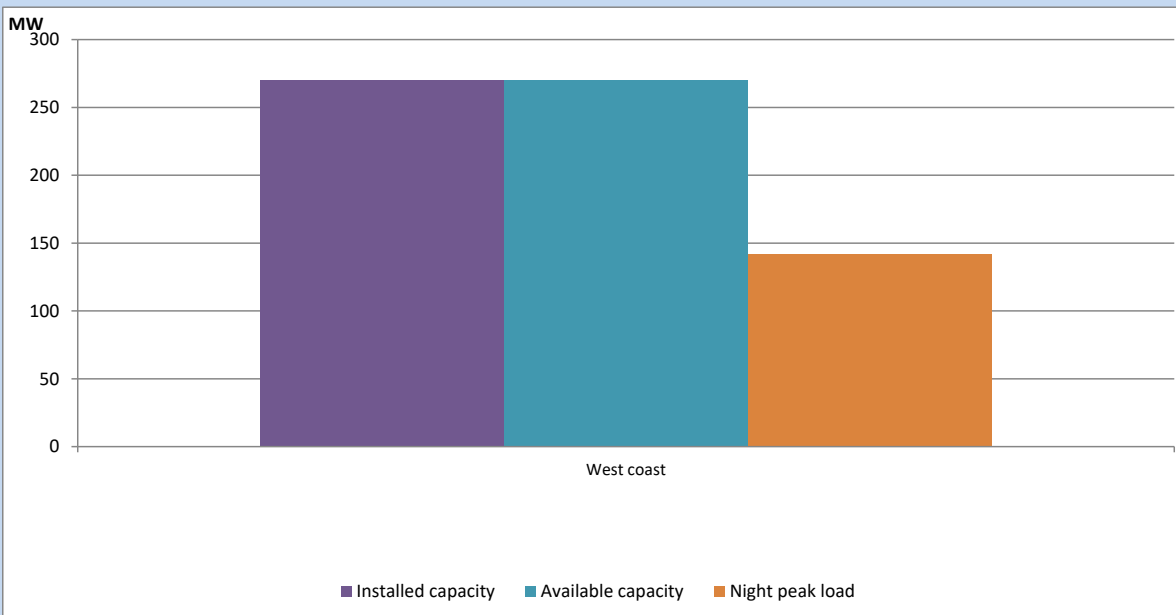
April 15, 2023



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

April 16, 2023

IPP owned Thermal Plant Loading at the Night Peak

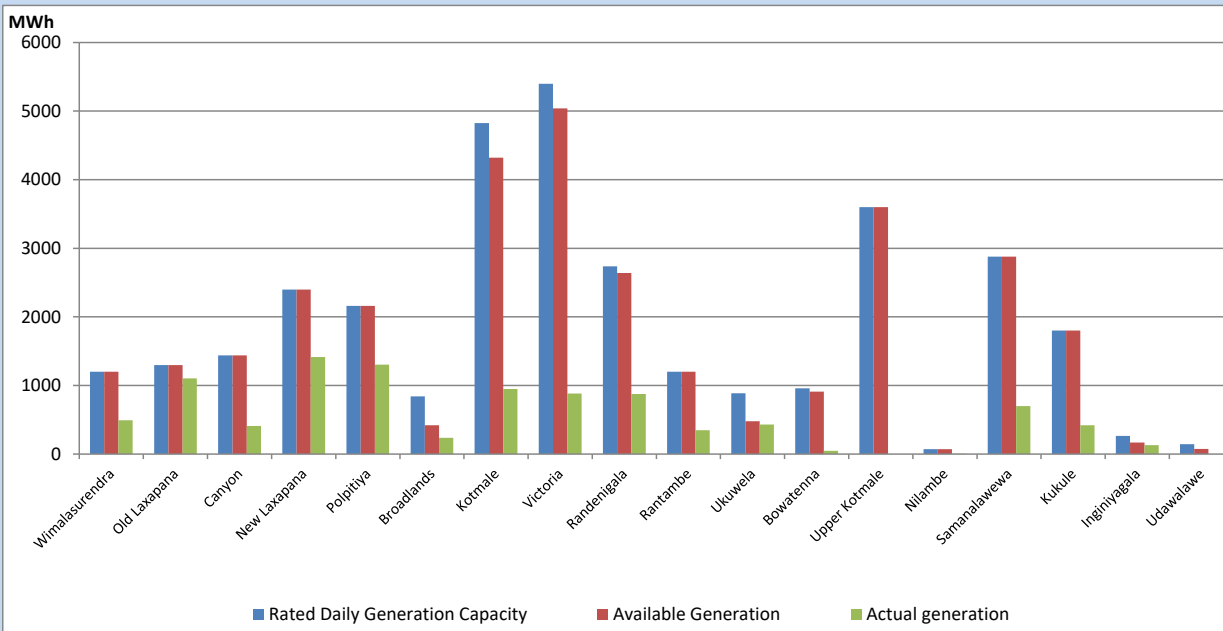


Note- Plant availability is recorded at 6.00 am on

April 16, 2023

Major Hydro Plant Dispatch

April 15, 2023

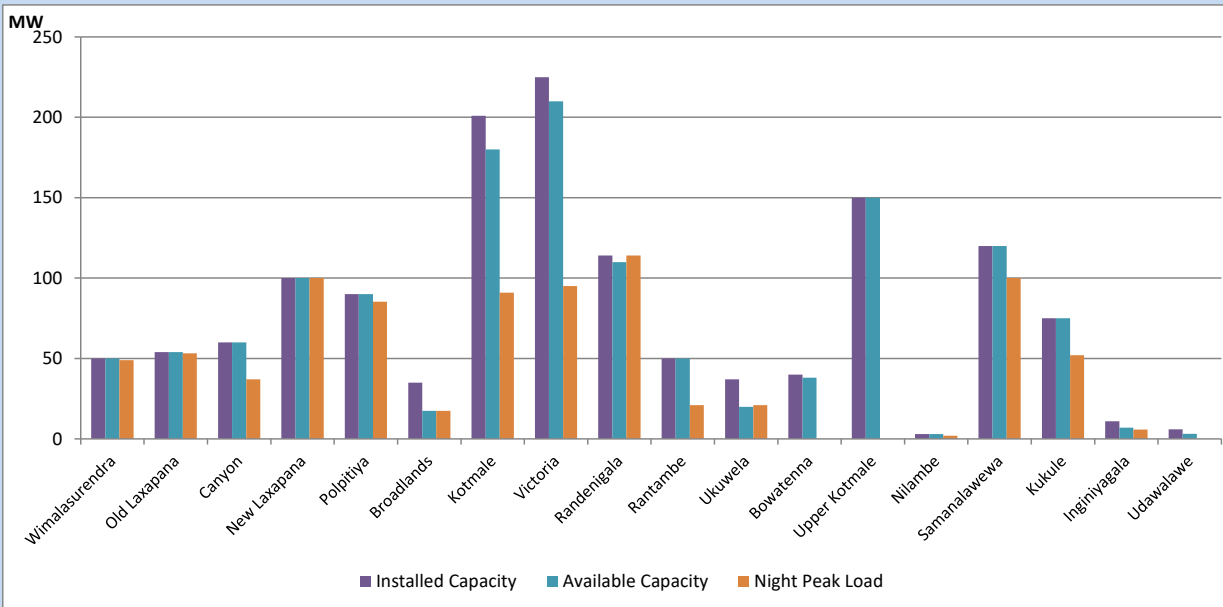


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

April 16, 2023

Major Hydro Plant Loading at Night Peak

April 15, 2023



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

April 16, 2023

Summary of Major Plant performance

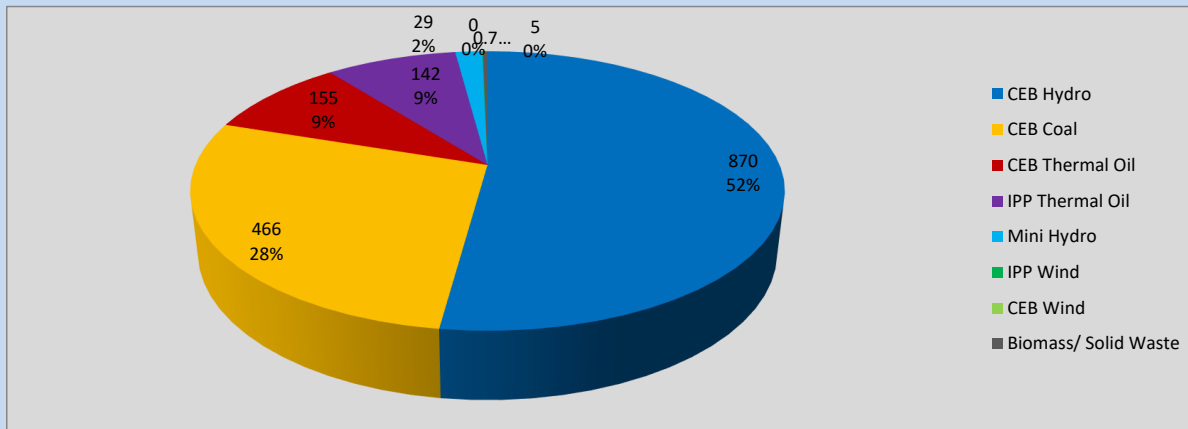
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	49	493
Old Laxapana	54	54	53	1,104
Canyon	60	60	37	410
New Laxapana	100	100	100	1,415
Polpitiya	90	90	85	1,305
Broadlands	35	18	17	238
Kotmale	201	180	91	950
Victoria	225	210	95	882
Randenigala	114	110	114	875
Rantambe	50	50	21	347
Ukuwela	37	20	21	430
Bowatenna	40	38	0	47
Upper Kotmale	150	150	0	0
Nilambe	3	3	2	5
Samanalawewa	120	120	100	700
Kukule	75	75	52	419
Inginiyagala	11	7	6	129
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	267	6,149
Puttalam Coal II	270	270	0	0
Puttalam Coal III	270	190	199	4,757
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	0
Sapugaskanda A	70	11	11	294
Sapugaskanda B	70	63	63	1,462
Uthura Janani	26	24	23	563
Barge CEB	60	60	58	1,402
CEB-Hambantota	30	19	0	0
CEB-Mathugama	20	12	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	142	3,281
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,831	1,642	29,315

Plant availability is the availability recorded at 6 am on

April 16, 2023

Contribution to the Night Peak in MW

April 15, 2023

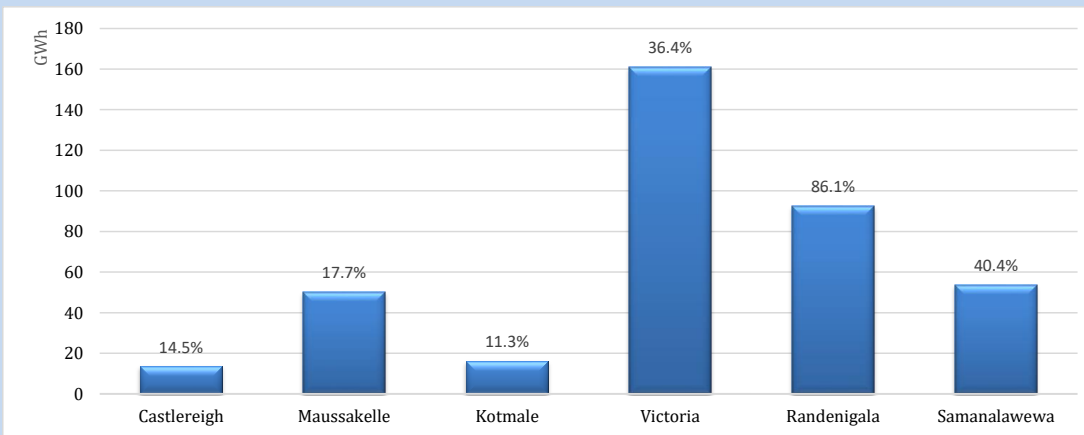


Night Peak*	1,668 MW
Day Peak	1,198 MW
Minimum Demand	1,073 MW

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

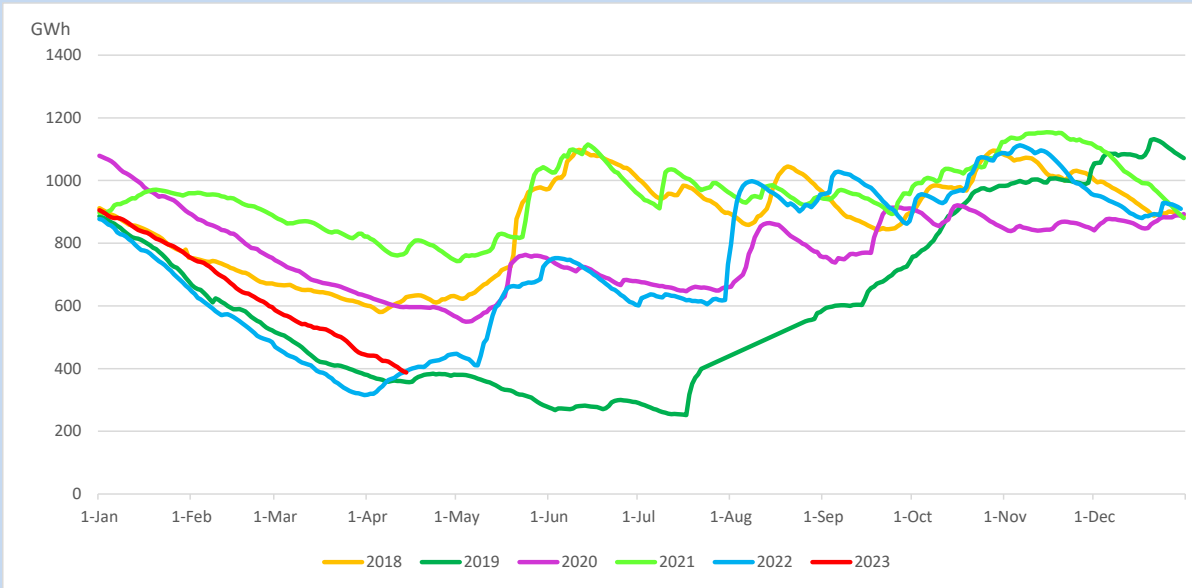
Reservoir Levels -

as at 06.00 Hr on April 16, 2023

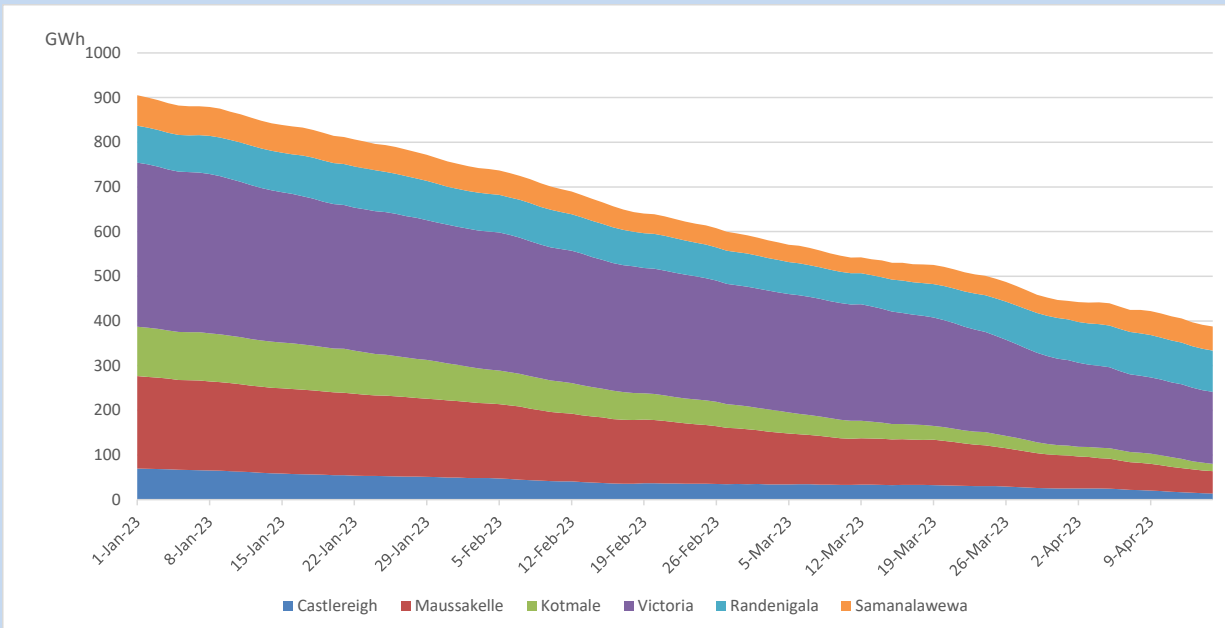


Total Reservoir Level	387.6 GWh
% of Total capacity	32.2%

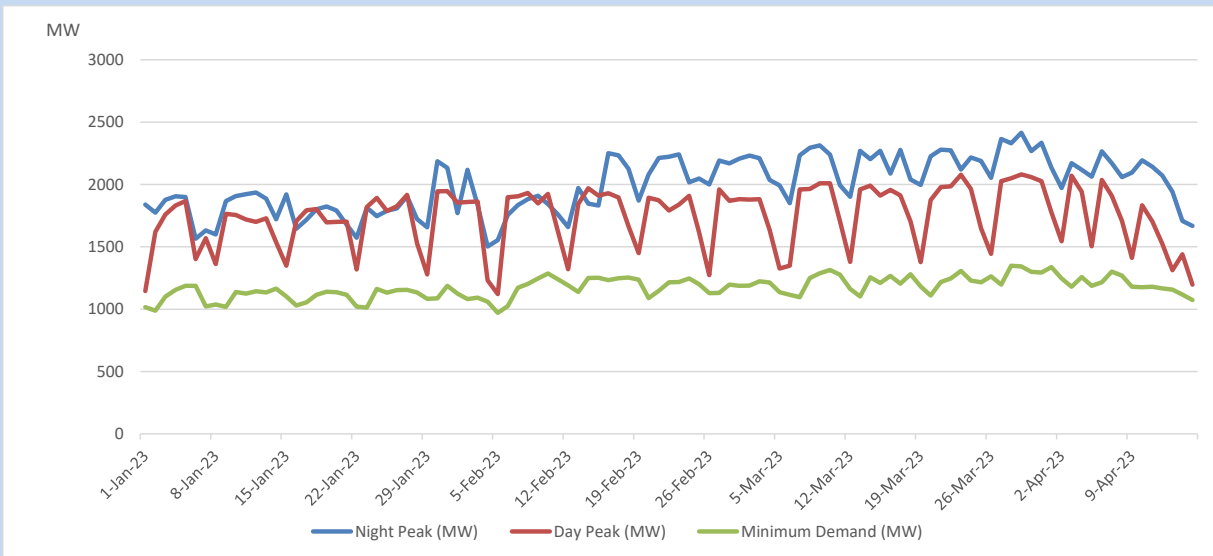
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

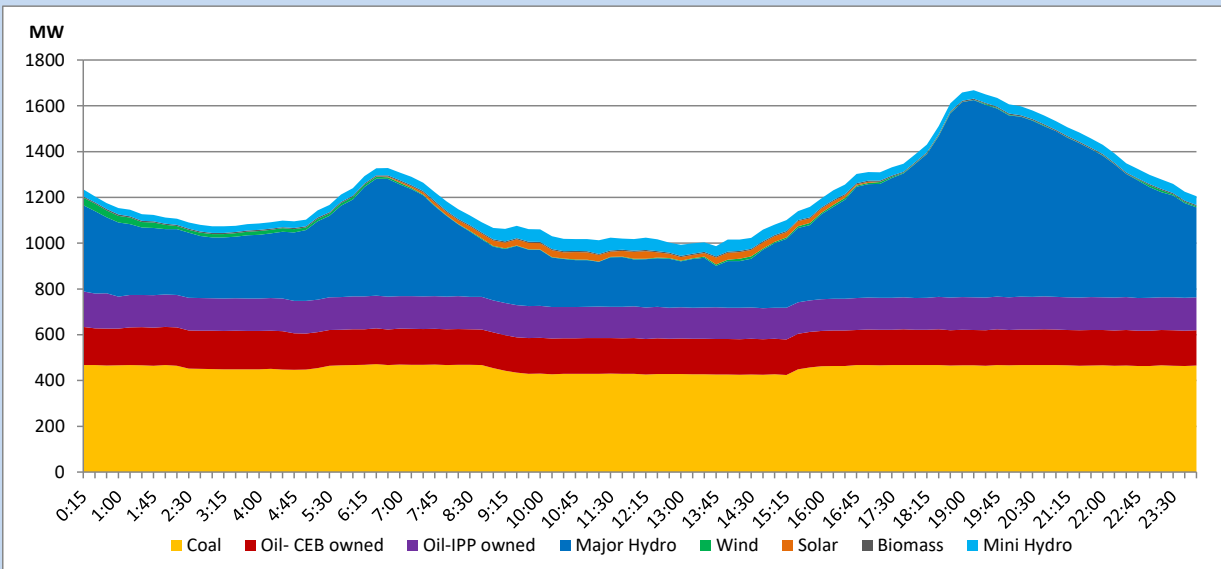


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

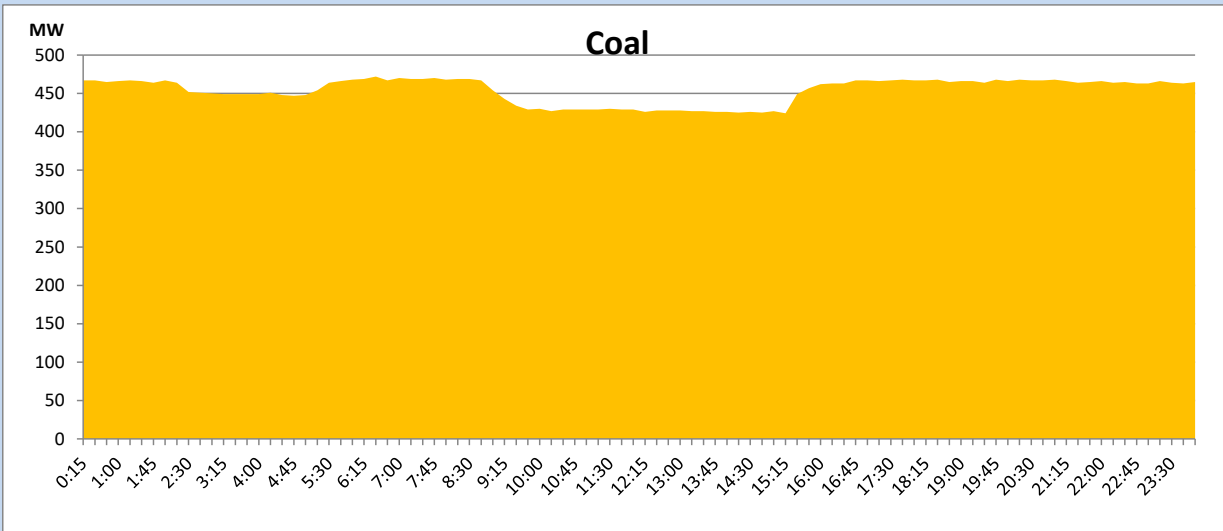
April 15, 2023

Solar and wind data is based on Telemetered Power Stations only



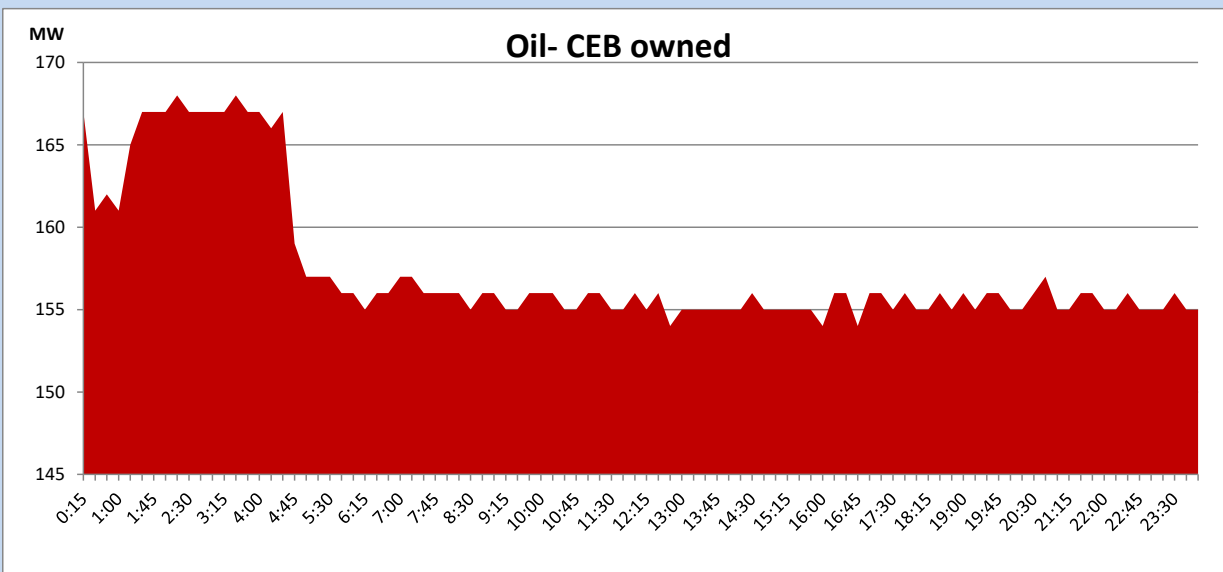
Coal Generation during

April 15, 2023



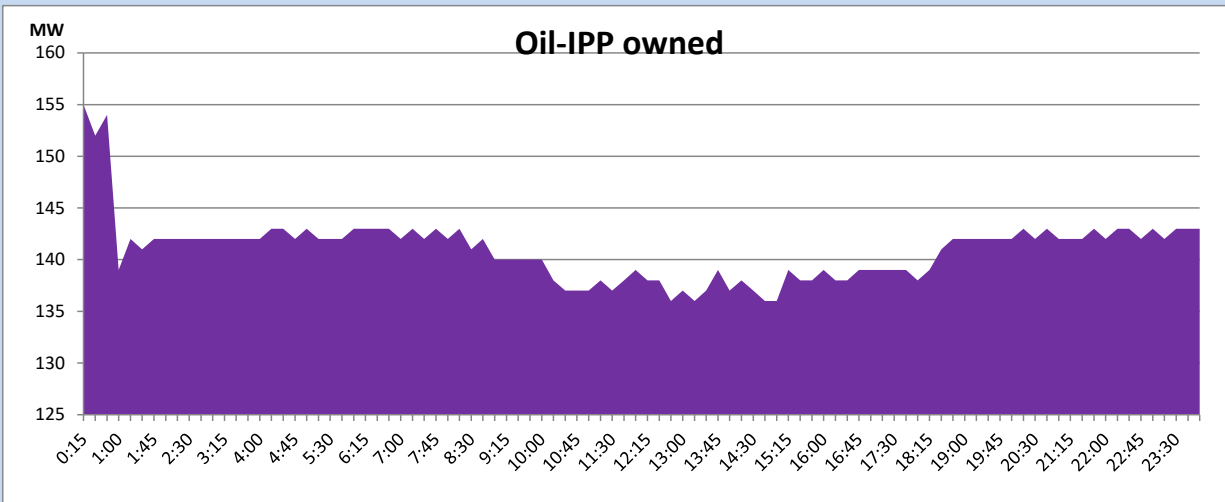
CEB Oil Plant Generation during

April 15, 2023



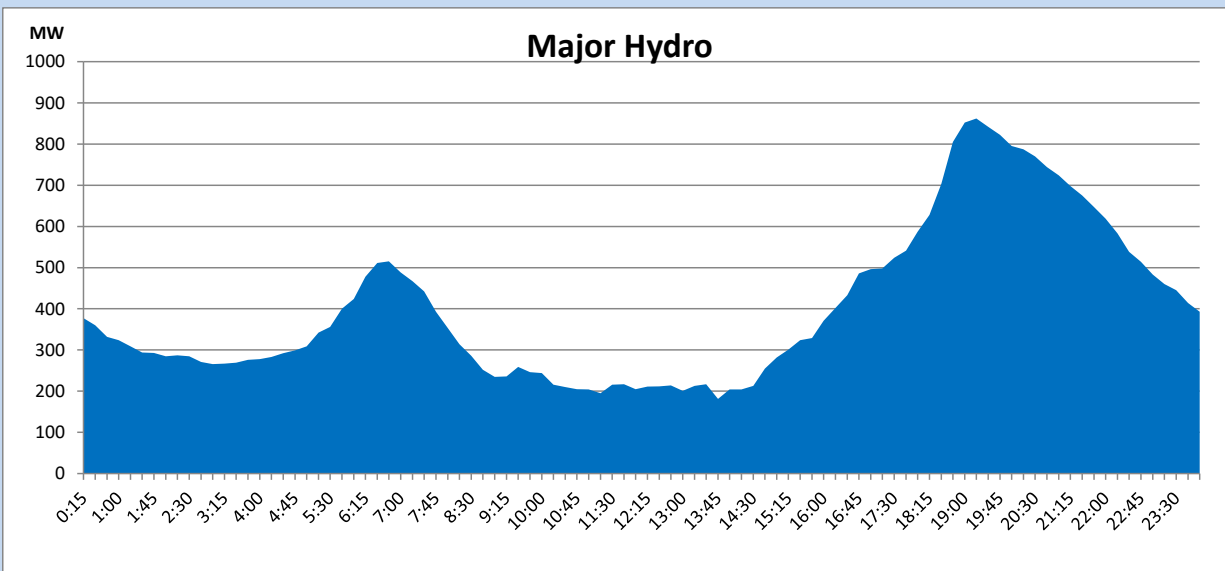
IPP Oil Plant Generation during

April 15, 2023



Major Hydro Generation during

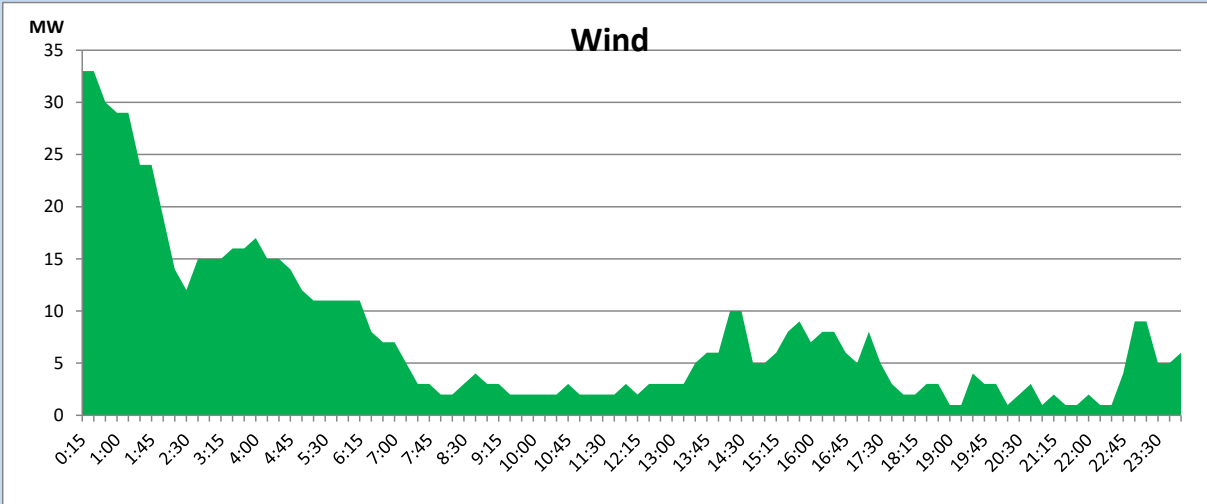
April 15, 2023



Wind Generation during

April 15, 2023

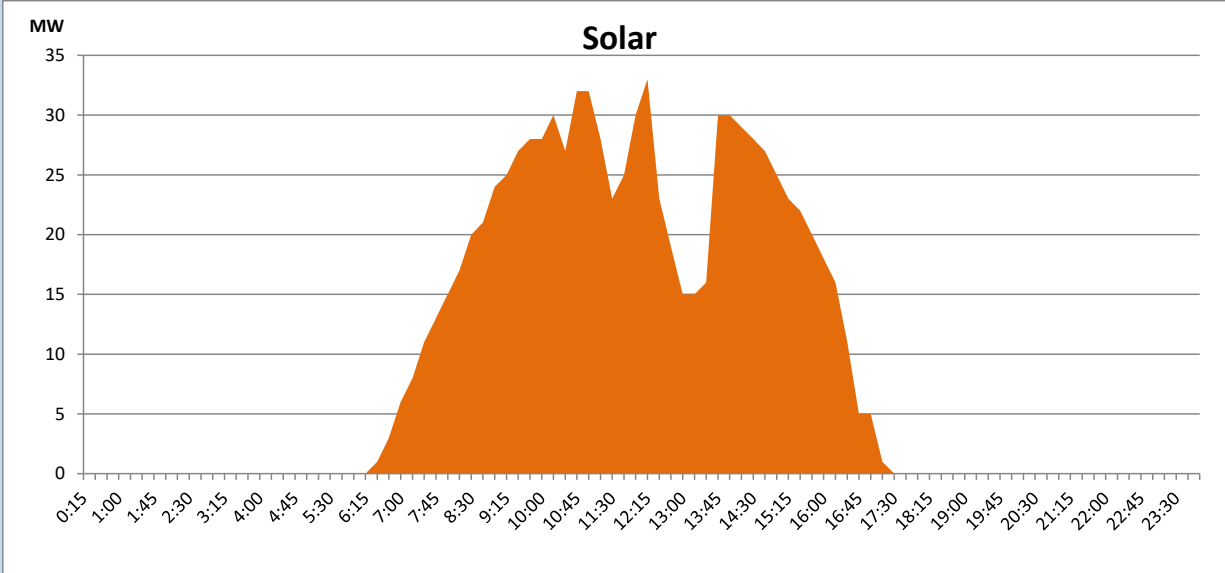
Based on Telemetered Power Stations only



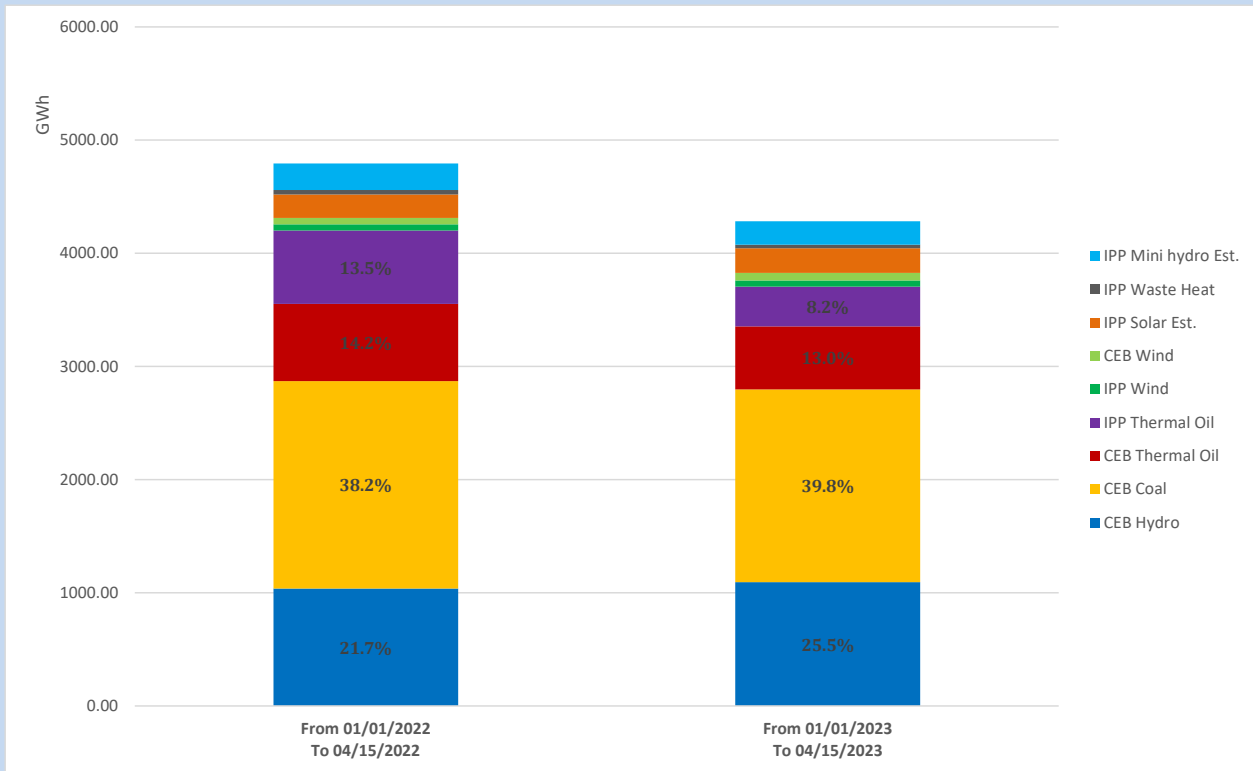
Solar Generation during

April 15, 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 15, 2023

- 1) Ukuwela - Naula cct tripped from both ends at 13:13hrs due to operation of Distance protection. Ukuwela Naula cct restored at 13:28hrs.
- 2) LVPS unit 02 synchronized at 1:14hrs(16/04/2023) and loaded to 149MW(net) at 4:48hrs(16/04/2023).