

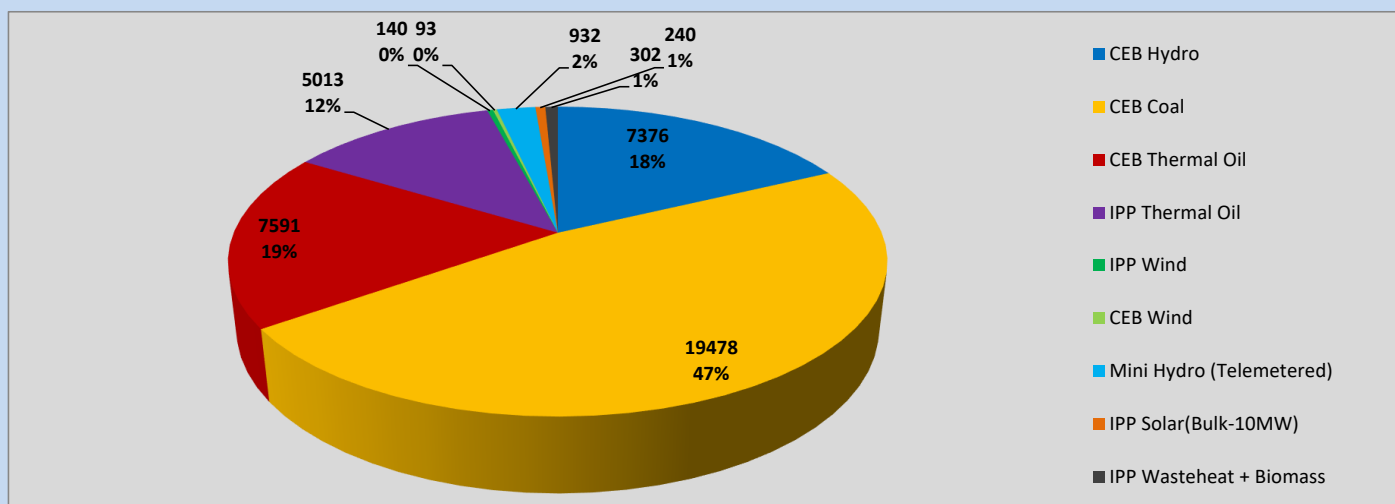
Generation and Reservoirs Statistics

April 24, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

41,165 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 1448 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

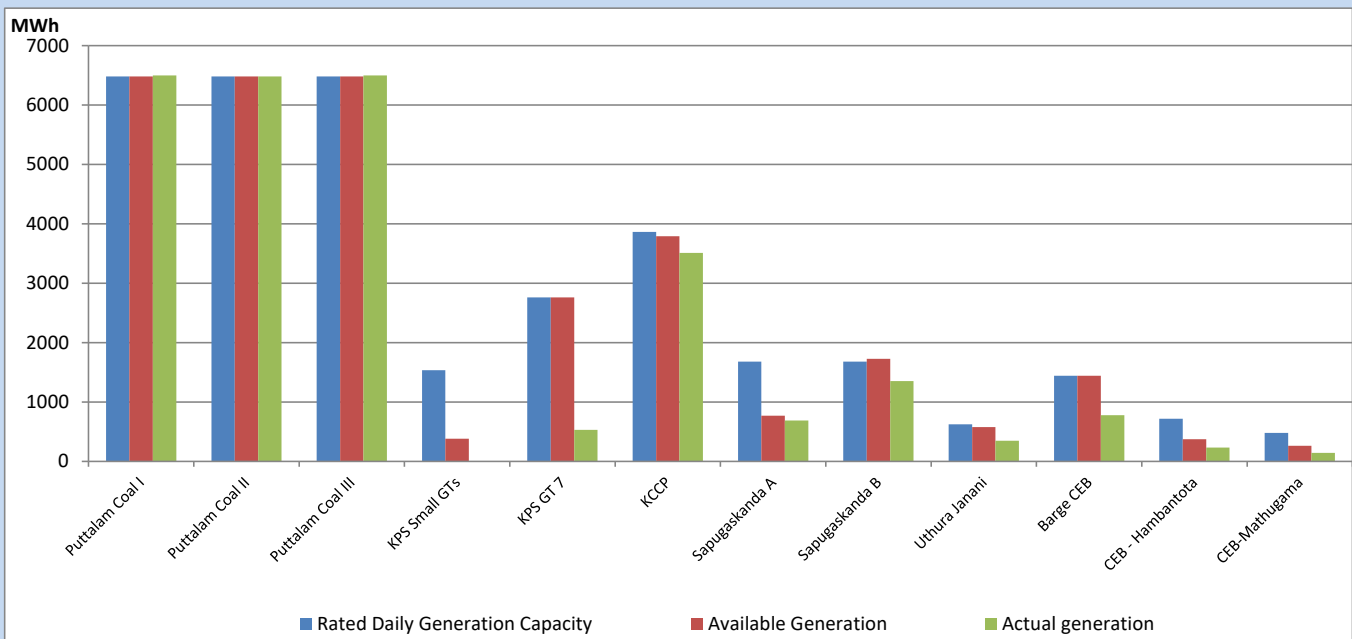
Category	Dispatch (GWh)	Percentage
CEB Hydro	243	26.80%
CEB Coal	349	38.45%
CEB Thermal Oil	143	15.69%
IPP Thermal	122	13.47%
SPP Wind	6	0.69%
CEB Wind	9	0.98%
Mini Hydro (Telemetered)	21	2.31%
IPP Solar(Bulk-10MW)	8	0.83%
IPP Wasteheat + BMP	7	0.77%
Total	908	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,165	26.93%
CEB Coal	1,872	43.29%
CEB Thermal Oil	613	14.17%
IPP Thermal	392	9.08%
SPP Wind	57	1.32%
CEB Wind	69	1.60%
Mini Hydro (Telemetered)	90	2.08%
IPP Solar(Bulk-10MW)	33	0.77%
IPP Wasteheat	33	0.77%
Total	4,324	

CEB owned Thermal Plant Dispatch

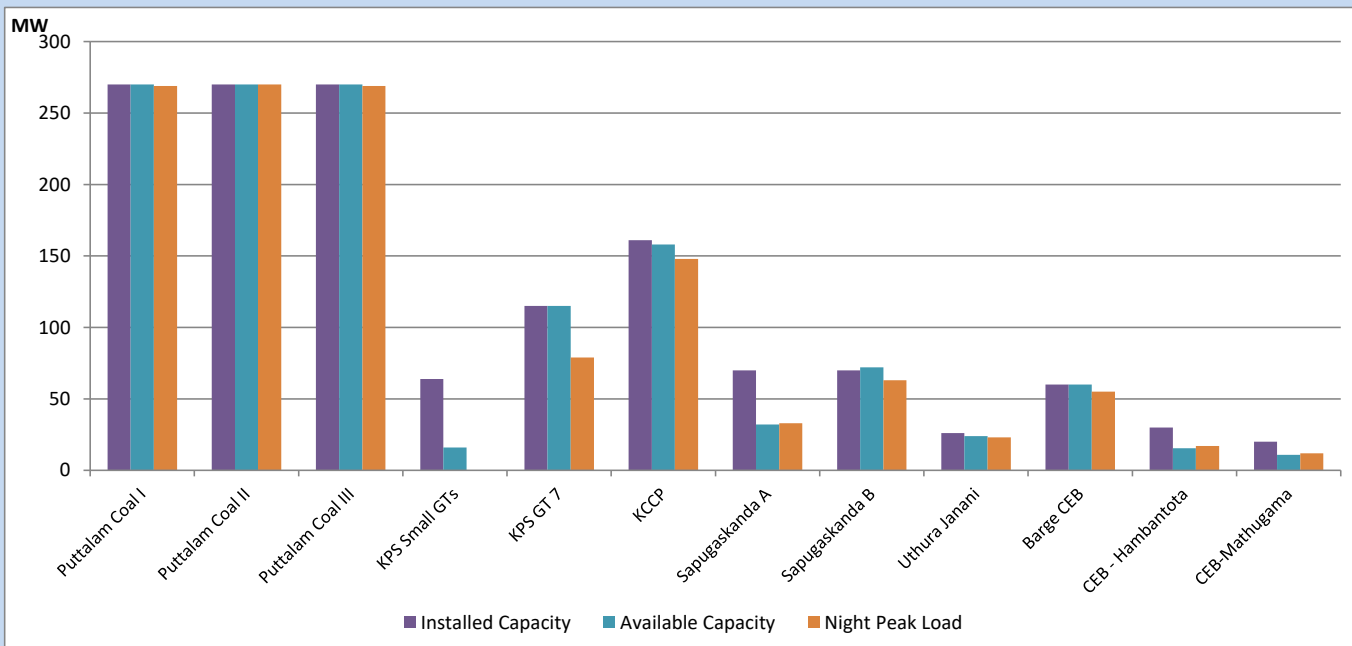
April 24, 2023



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

April 25, 2023

CEB owned Thermal Plant Loading at the Night Peak

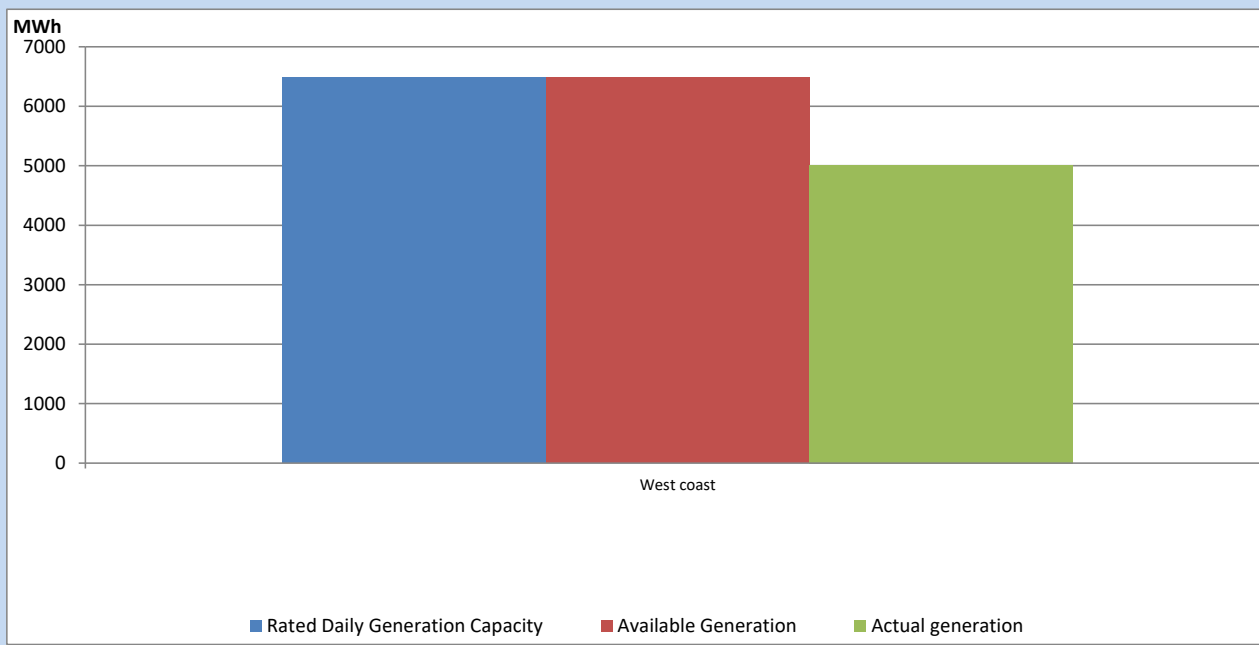


Note- Plant availability is recorded at 6.00 am on

April 25, 2023

IPP owned Thermal Plant Dispatch

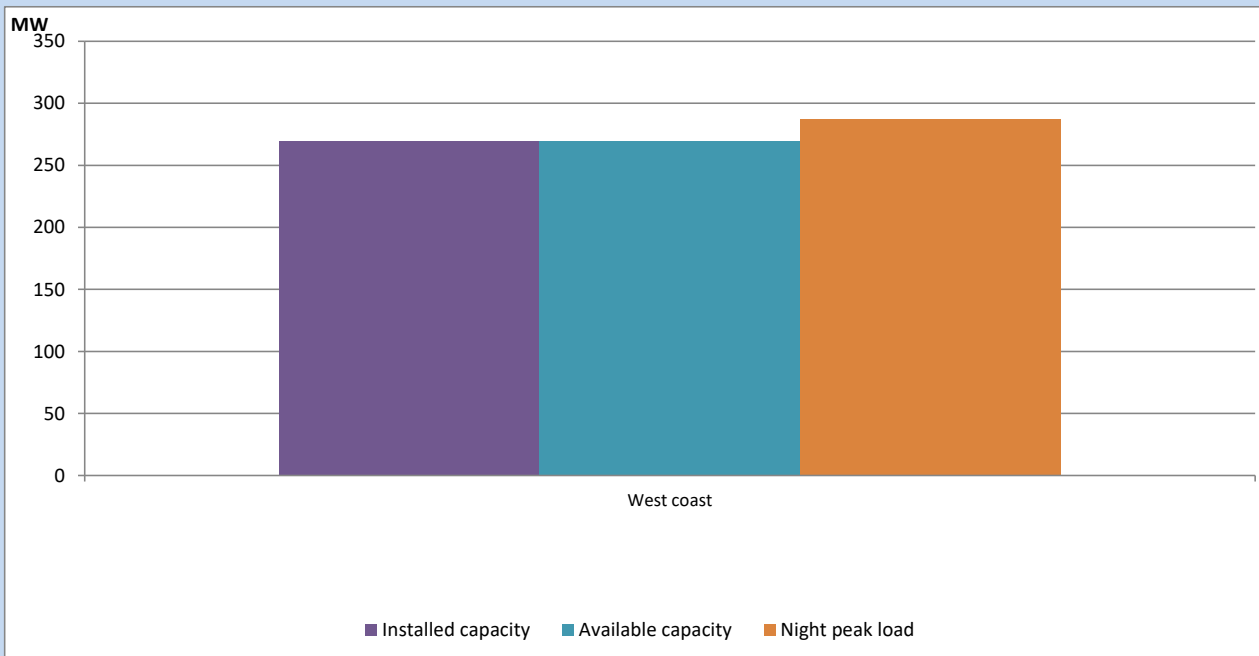
April 24, 2023



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

April 25, 2023

IPP owned Thermal Plant Loading at the Night Peak

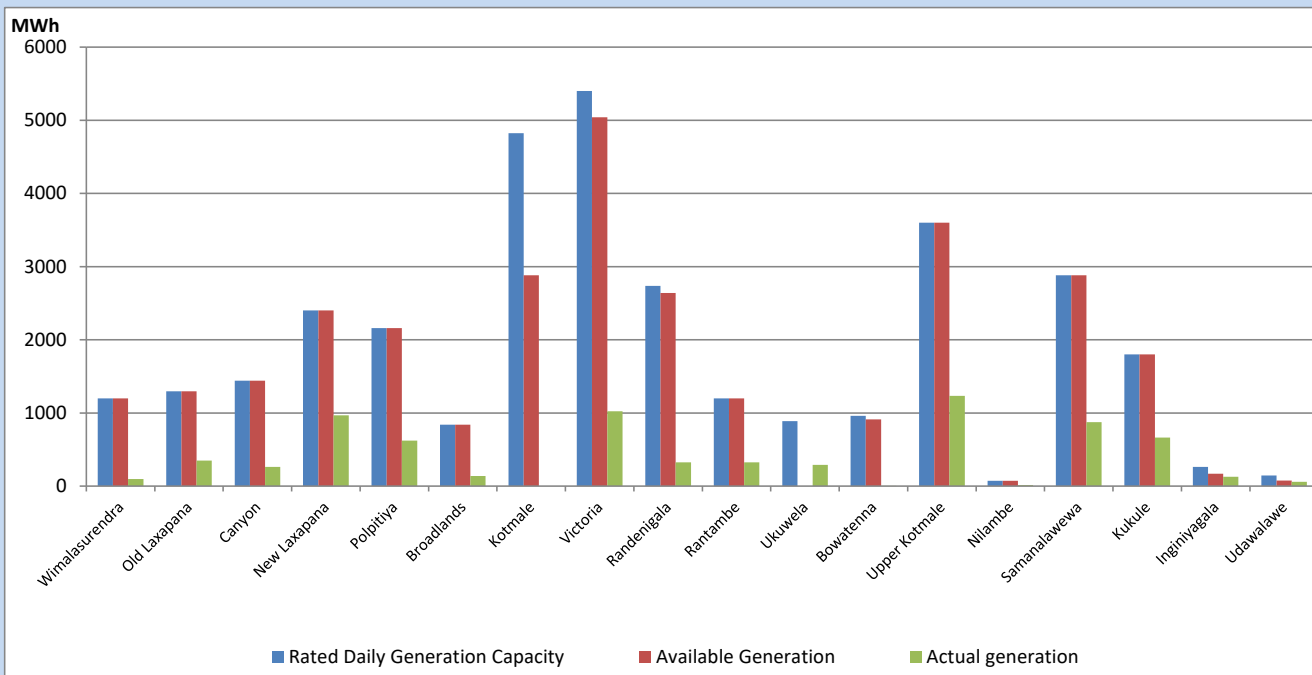


Note- Plant availability is recorded at 6.00 am on

April 25, 2023

Major Hydro Plant Dispatch

April 24, 2023

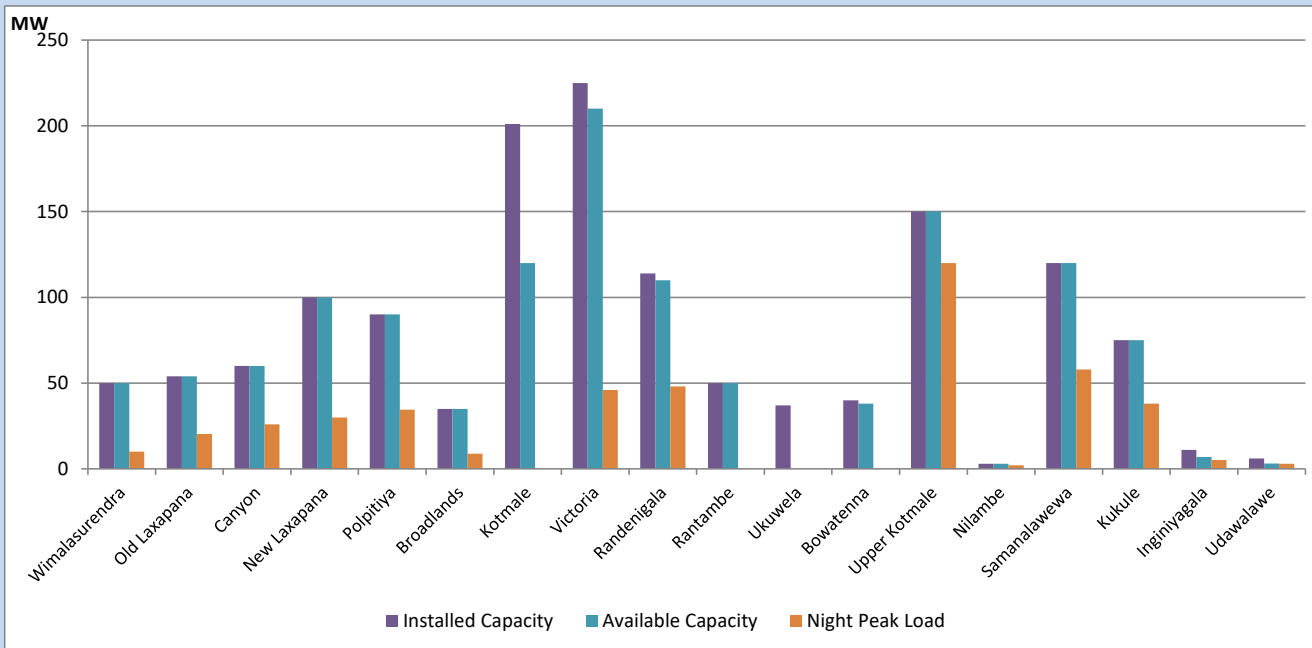


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

April 25, 2023

Major Hydro Plant Loading at Night Peak

April 24, 2023



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

April 25, 2023

Summary of Major Plant performance

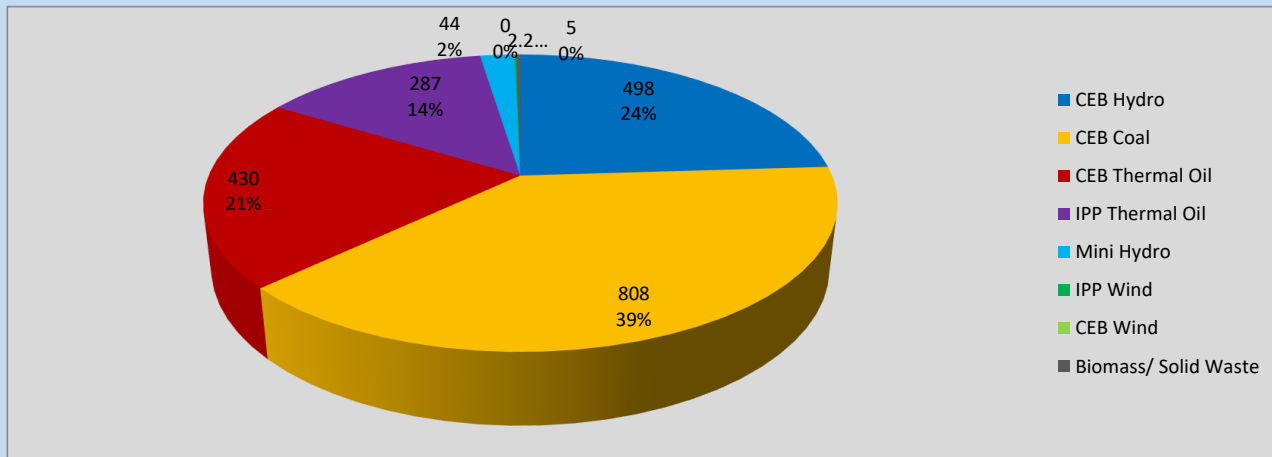
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	98
Old Laxapana	54	54	20	350
Canyon	60	60	26	261
New Laxapana	100	100	30	969
Polpitiya	90	90	35	621
Broadlands	35	35	9	139
Kotmale	201	120	0	0
Victoria	225	210	46	1,021
Randenigala	114	110	48	326
Rantambe	50	50	0	325
Ukuwela	37	0	0	290
Bowatenna	40	38	0	3
Upper Kotmale	150	150	120	1,233
Nilambe	3	3	2	13
Samanalawewa	120	120	58	874
Kukule	75	75	38	665
Inginiyagala	11	7	5	128
Udawalawe	6	3	3	60
Puttalam Coal I	270	270	269	6,497
Puttalam Coal II	270	270	270	6,482
Puttalam Coal III	270	270	269	6,499
KPS Small GTs	64	16	0	3
KPS GT 7	115	115	79	531
KCCP	161	158	148	3,511
Sapugaskanda A	70	32	33	689
Sapugaskanda B	70	72	63	1,354
Uthura Janani	26	24	23	349
Barge CEB	60	60	55	779
CEB-Hambantota	30	16	17	232
CEB-Mathugama	20	11	12	143
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	287	5,013
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,859	2,026	41,165

Plant availability is the availability recorded at 6 am on

April 25, 2023

Contribution to the Night Peak in MW

April 24, 2023

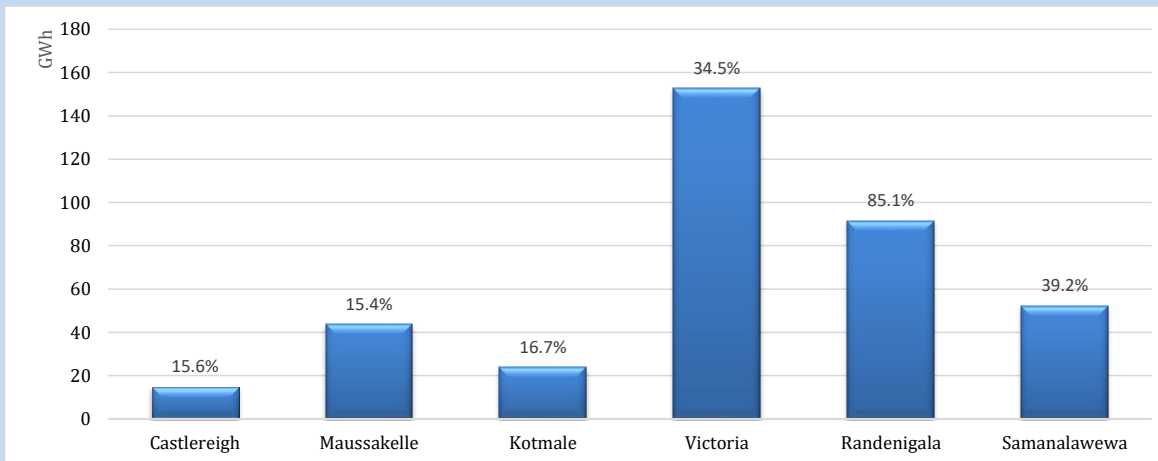


Night Peak*	2,074 MW
Day Peak	1,967 MW
Minimum Demand	1,220 MW

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

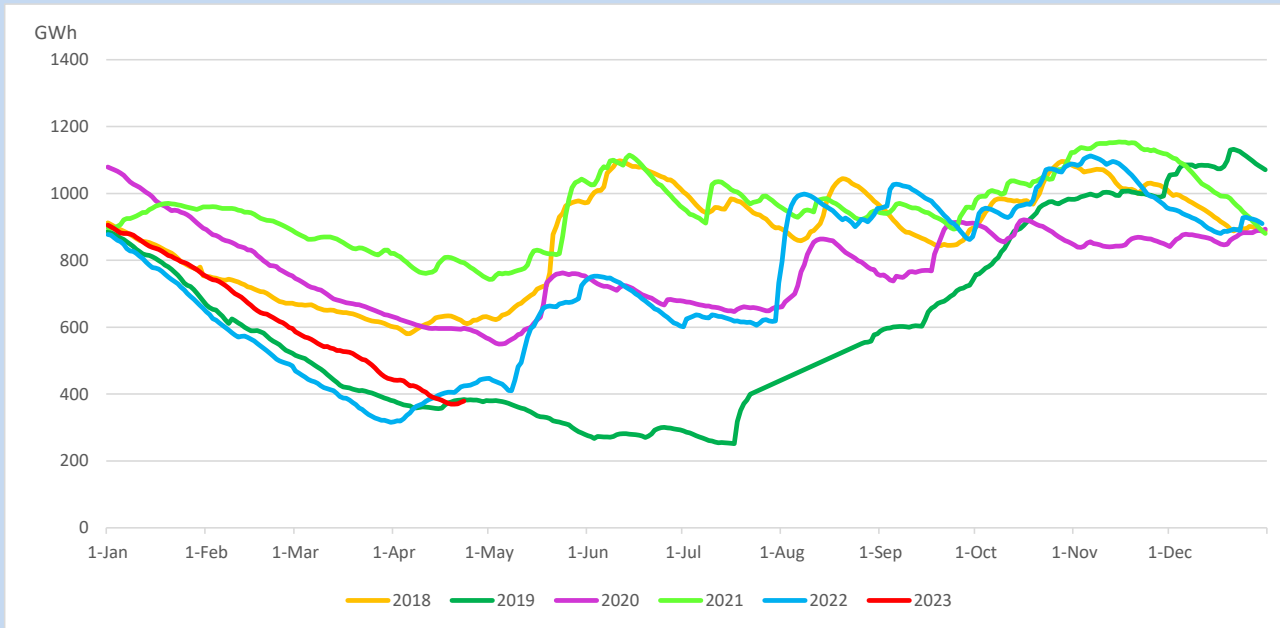
Reservoir Levels -

as at 06.00 Hr on April 25, 2023

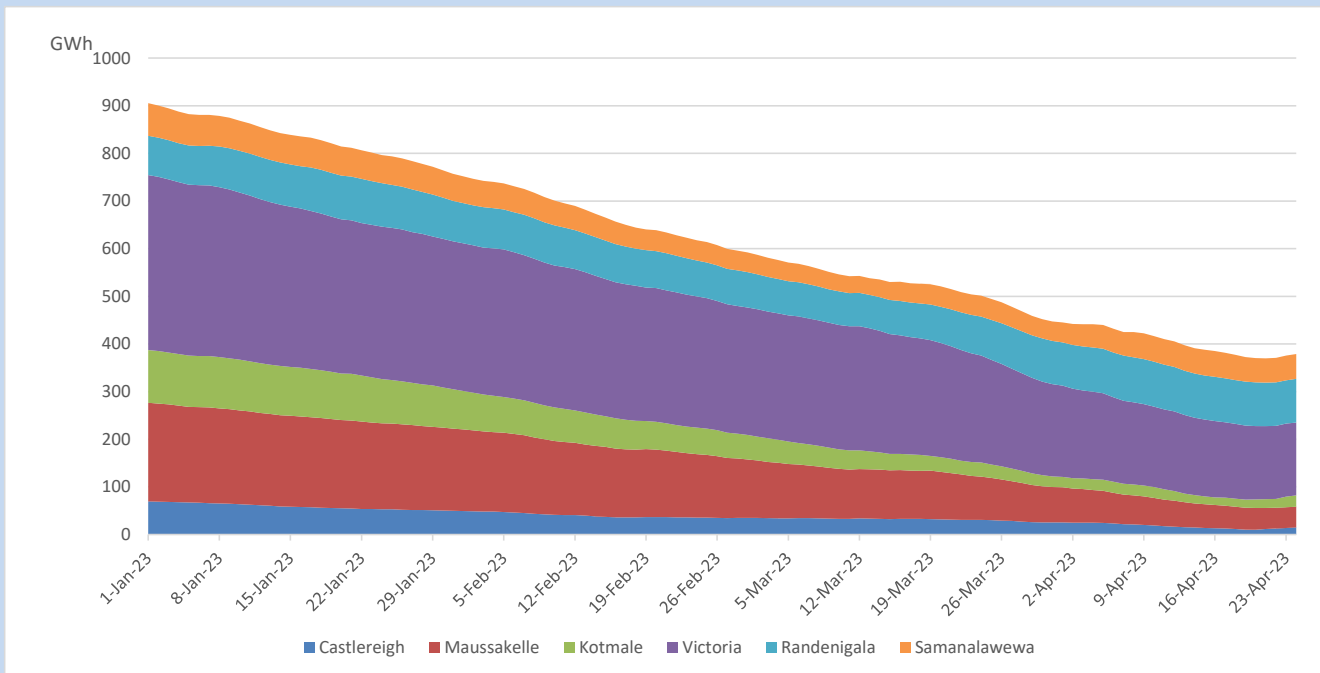


Total Reservoir Level	378.9 GWh
% of Total capacity	31.4%

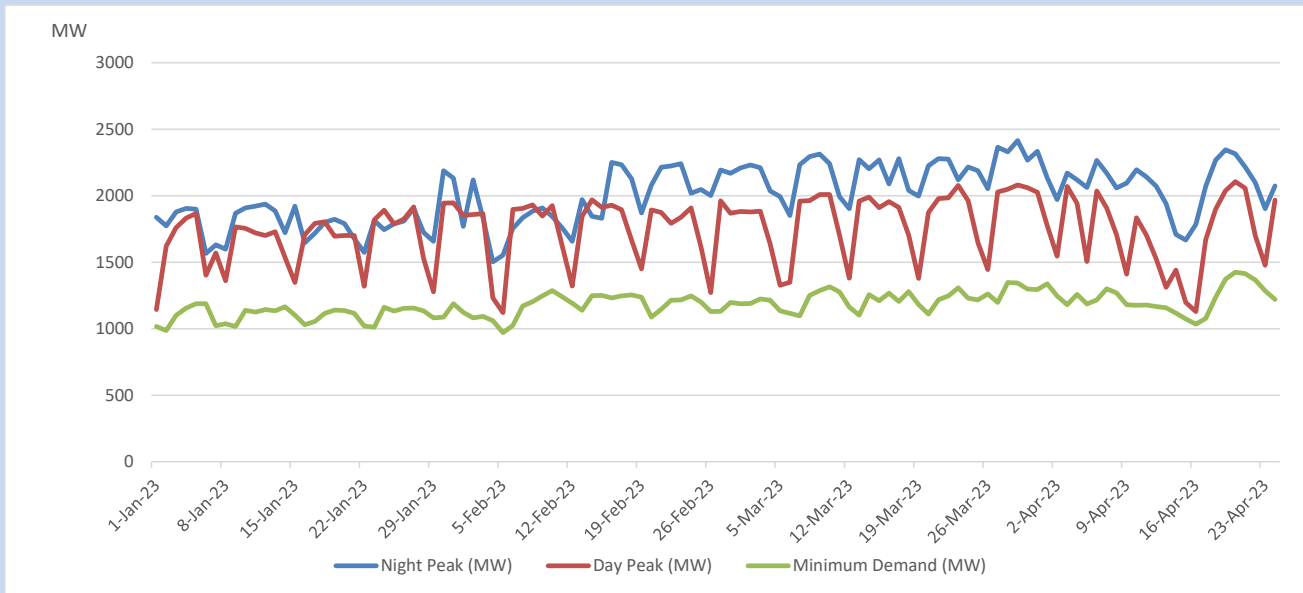
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

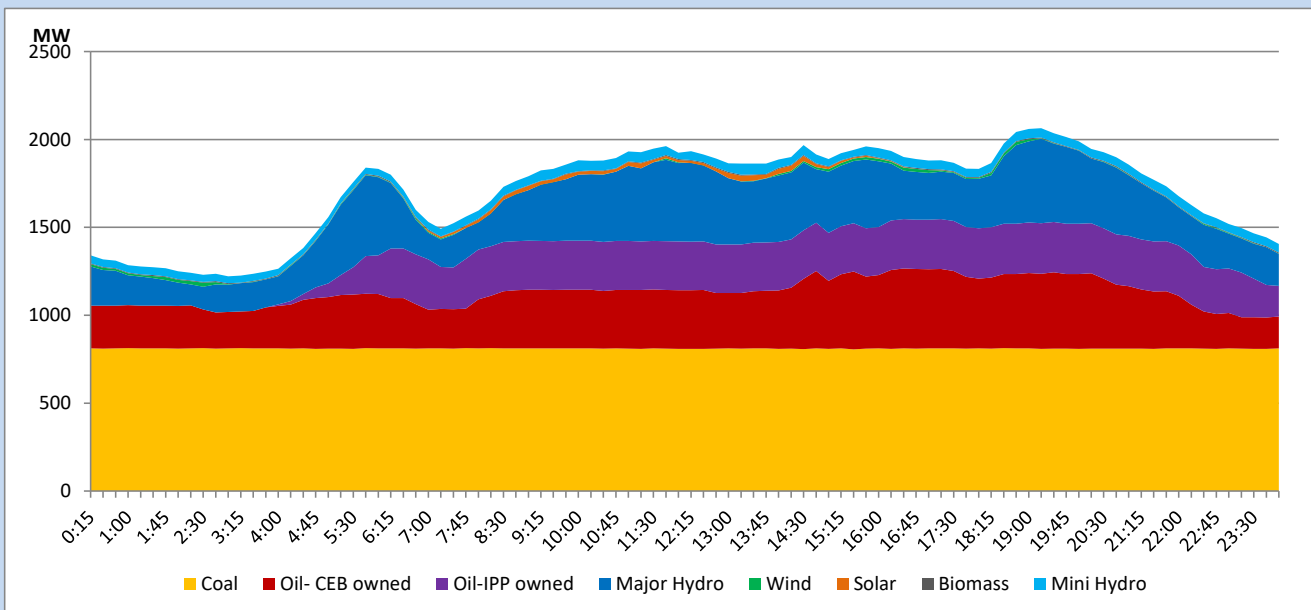


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

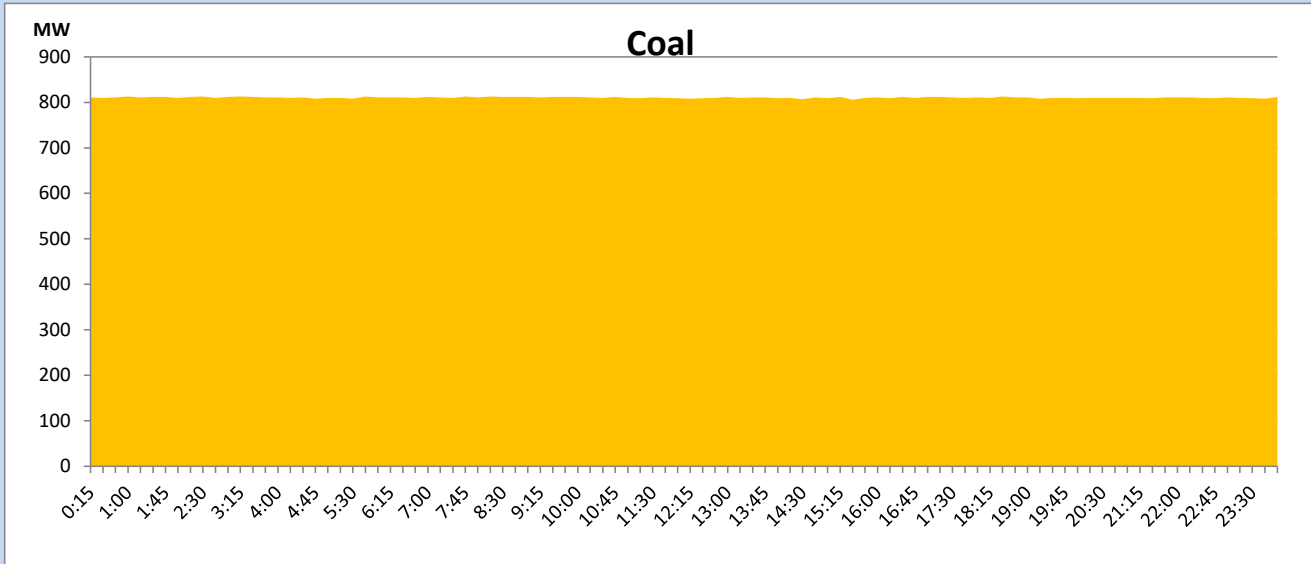
April 24, 2023

Solar and wind data is based on Telemetered Power Stations only



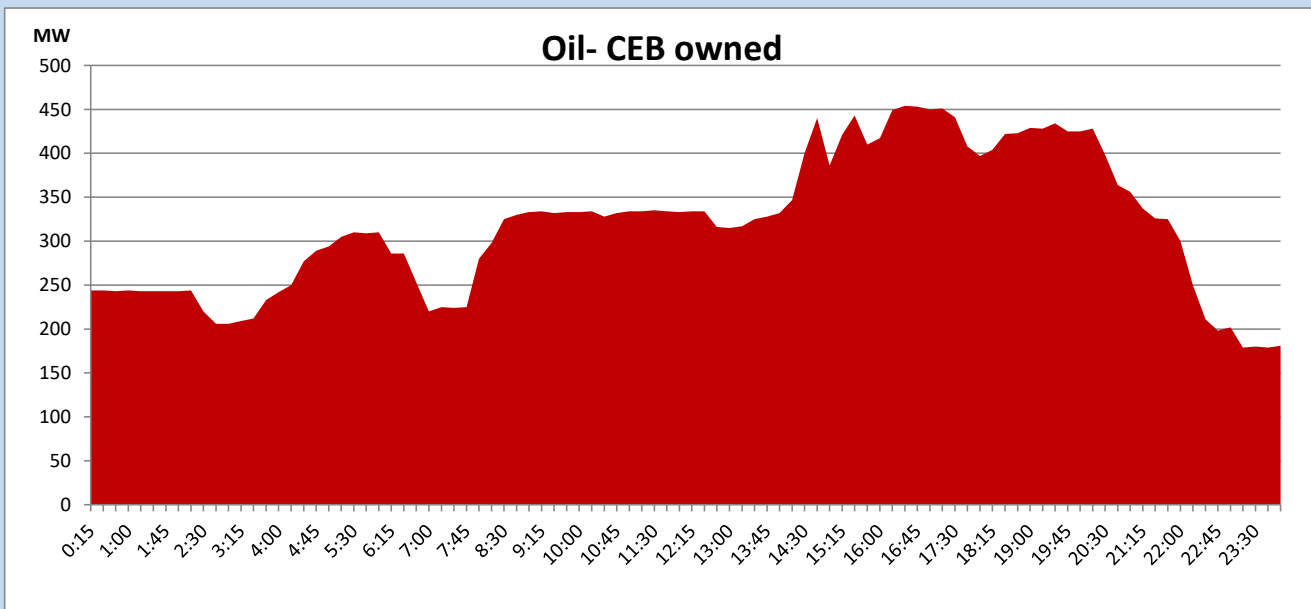
Coal Generation during

April 24, 2023



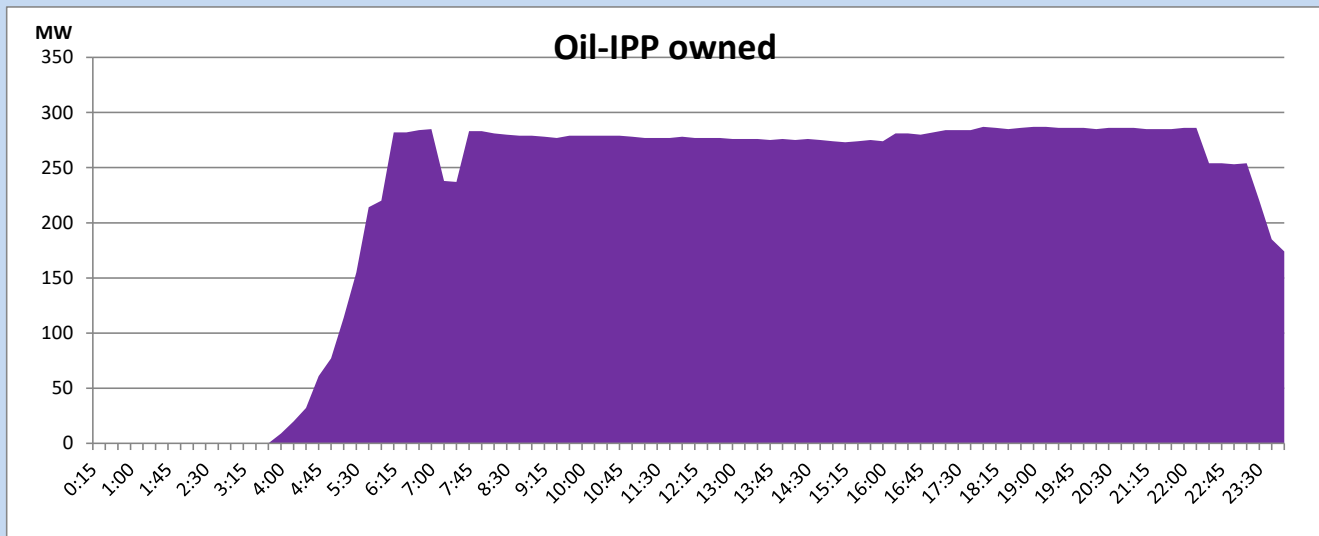
CEB Oil Plant Generation during

April 24, 2023



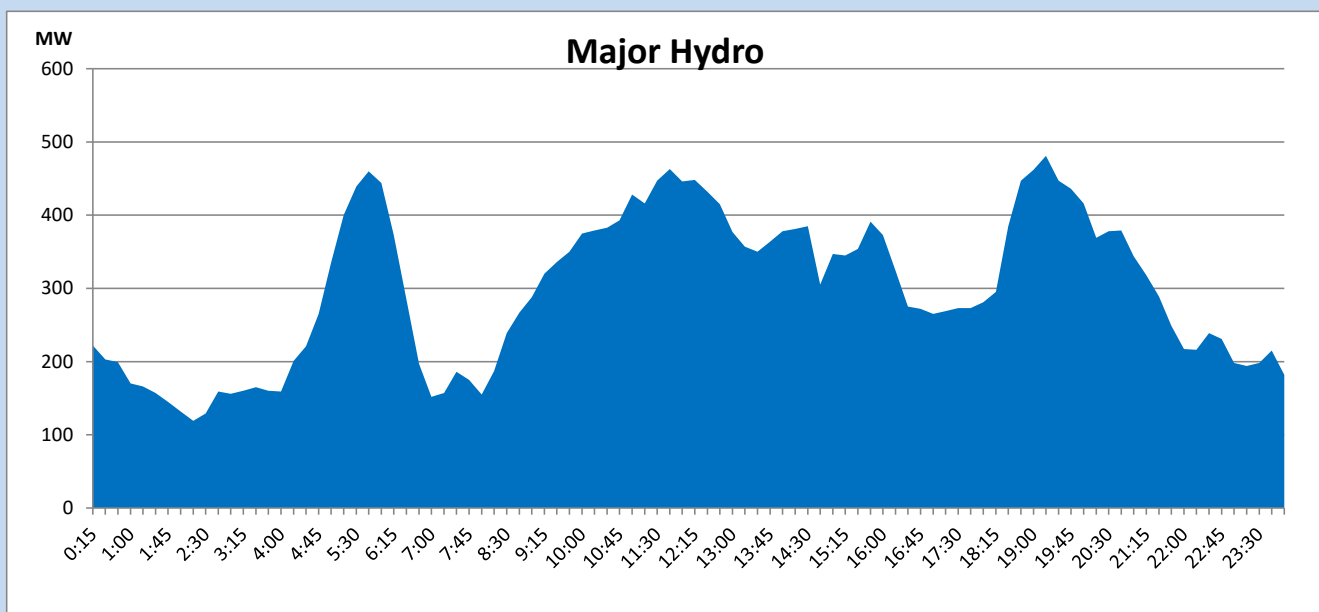
IPP Oil Plant Generation during

April 24, 2023



Major Hydro Generation during

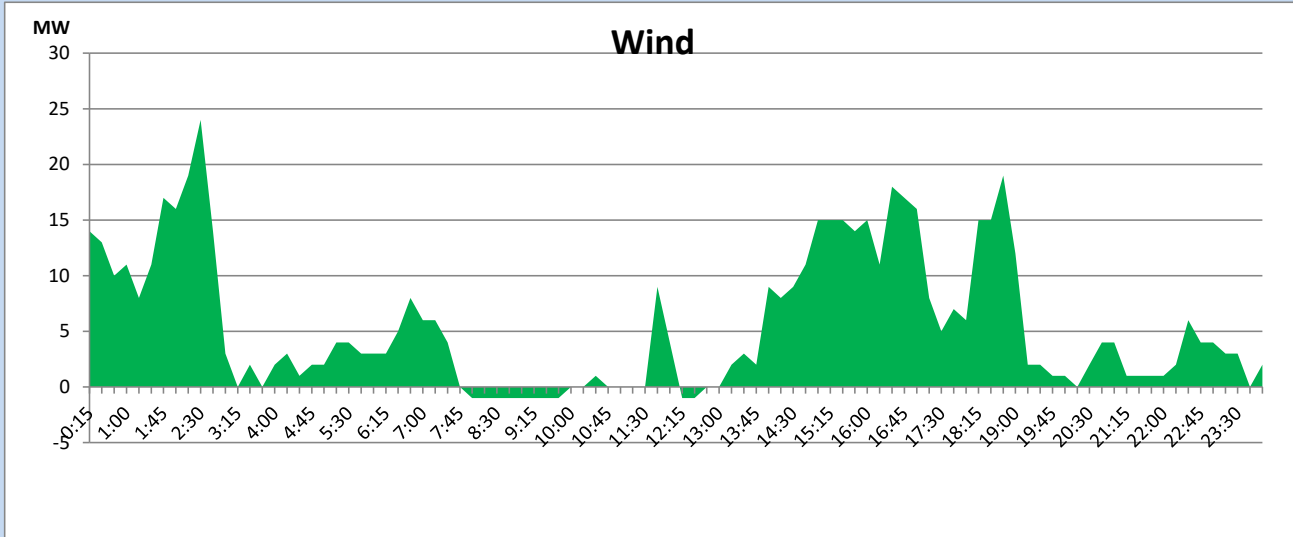
April 24, 2023



Wind Generation during

April 24, 2023

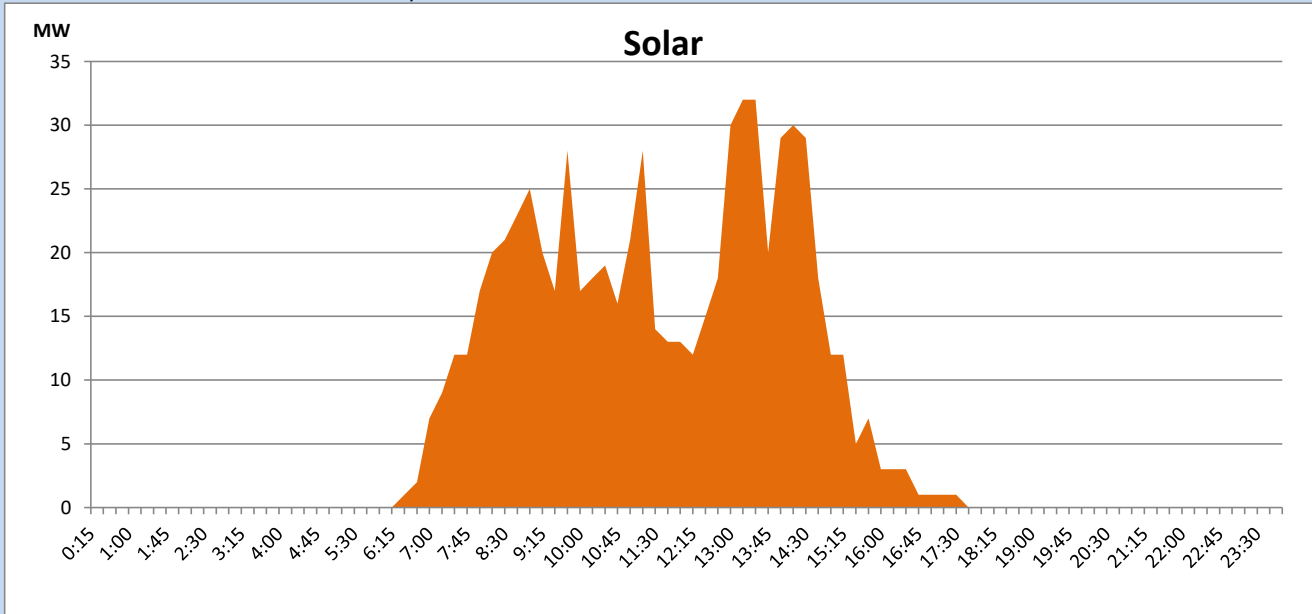
Based on Telemetered Power Stations only



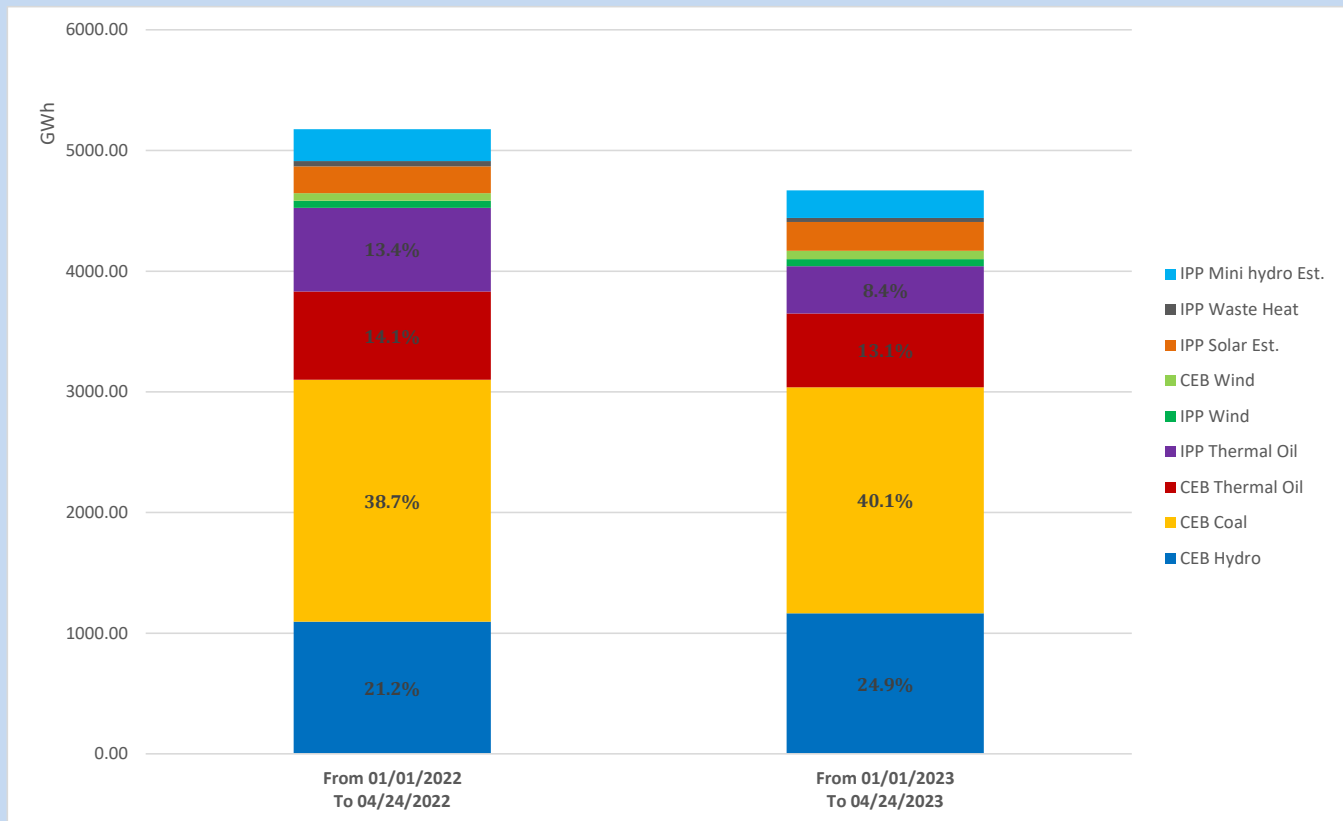
Solar Generation during

April 24, 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 24, 2023

- 1) New Laxapana unit 01 tripped at 11:41hrs rejecting 45MW from the system. New Laxapana unit 01 resumed generation at 14:20hrs
- 2) Kolonnawa – Sub I (Maradana) cable tripped from both ends at 14:41hrs due to the operation of differential protection causing Sub A (Havelock) and Sub I GSS to be dead. All affected feeders of Sub A and Sub I were normalized at 16:09hrs and 17:06hrs respectively. Kolonnawa – Sub I cable is yet to be restored.
- 3) Kosgama – Polpitiya and Seethawaka – Broadlands 132kV ccts tripped and A/R from all ends at 15:19hrs due to the operation of distanceprotection.