

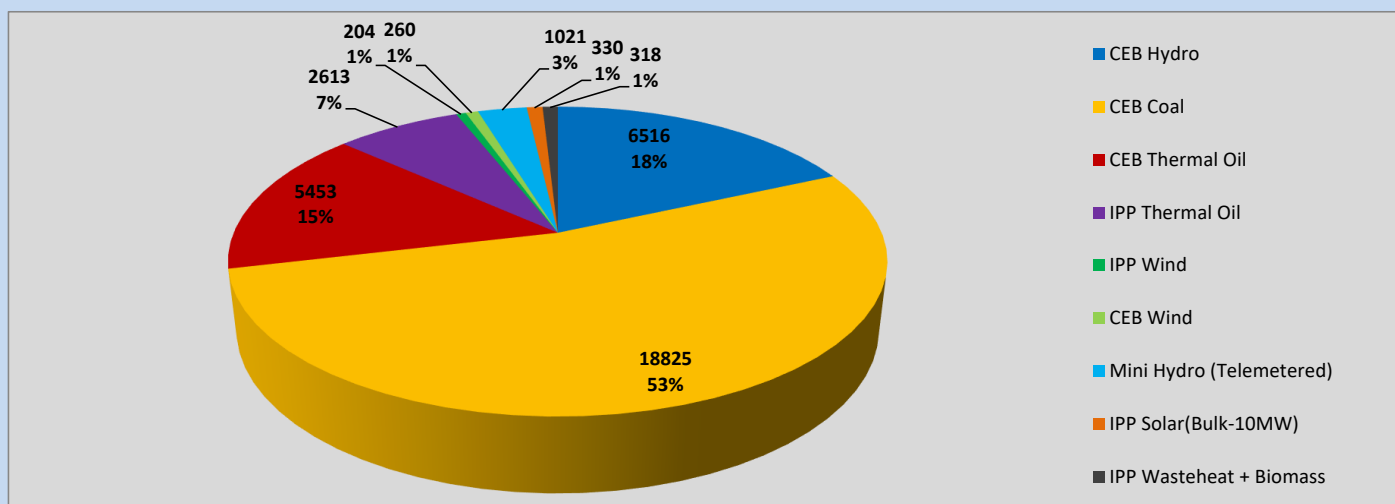
Generation and Reservoirs Statistics

April 23, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

35,540 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 1359 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

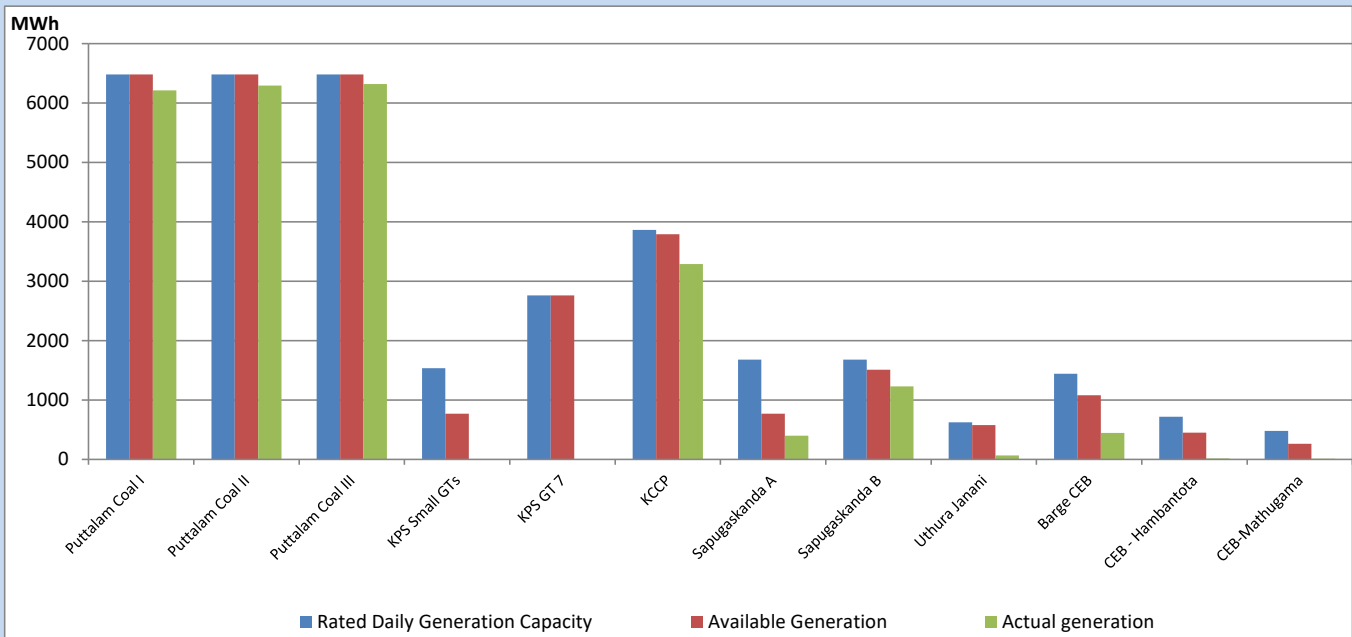
Category	Dispatch (GWh)	
CEB Hydro	236	27.22%
CEB Coal	330	38.03%
CEB Thermal Oil	135	15.56%
IPP Thermal	117	13.53%
SPP Wind	6	0.70%
CEB Wind	9	1.02%
Mini Hydro (Telemetered)	20	2.31%
IPP Solar(Bulk-10MW)	7	0.84%
IPP Wasteheat + BMP	7	0.77%
Total	867	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,157	27.02%
CEB Coal	1,852	43.25%
CEB Thermal Oil	605	14.13%
IPP Thermal	387	9.05%
SPP Wind	57	1.33%
CEB Wind	69	1.61%
Mini Hydro (Telemetered)	89	2.08%
IPP Solar(Bulk-10MW)	33	0.77%
IPP Wasteheat	33	0.77%
Total	4,283	

CEB owned Thermal Plant Dispatch

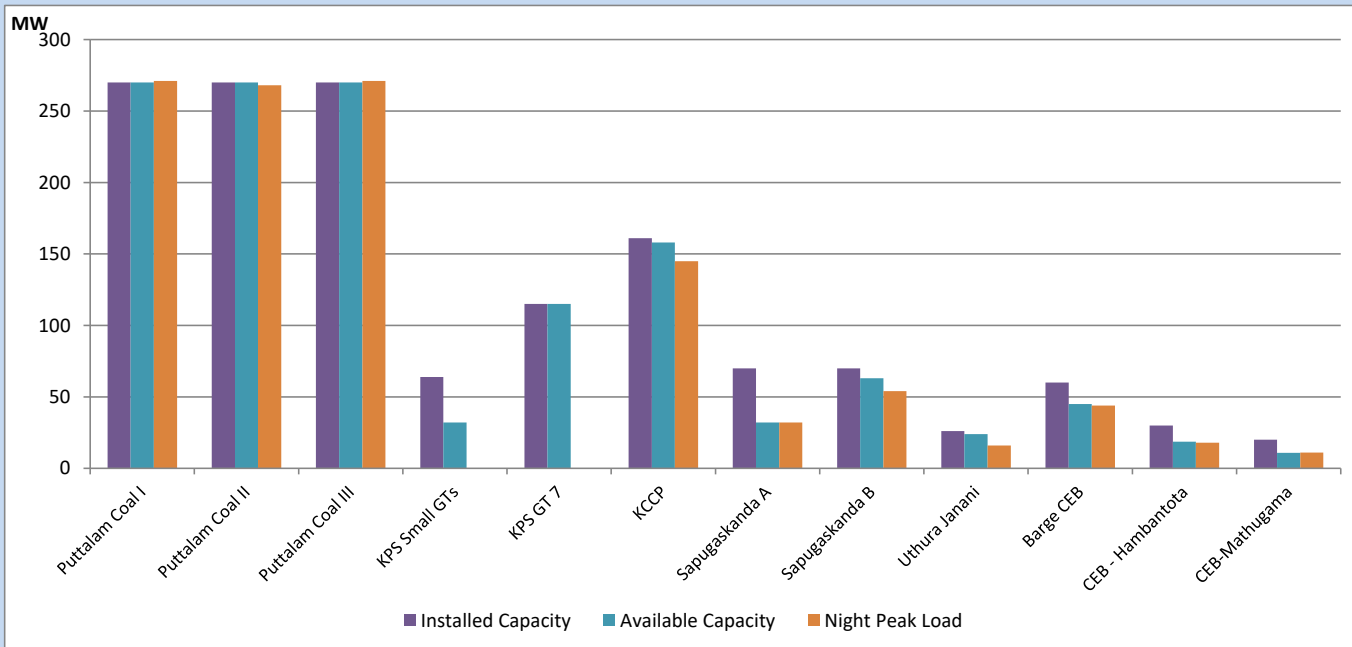
April 23, 2023



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

April 24, 2023

CEB owned Thermal Plant Loading at the Night Peak

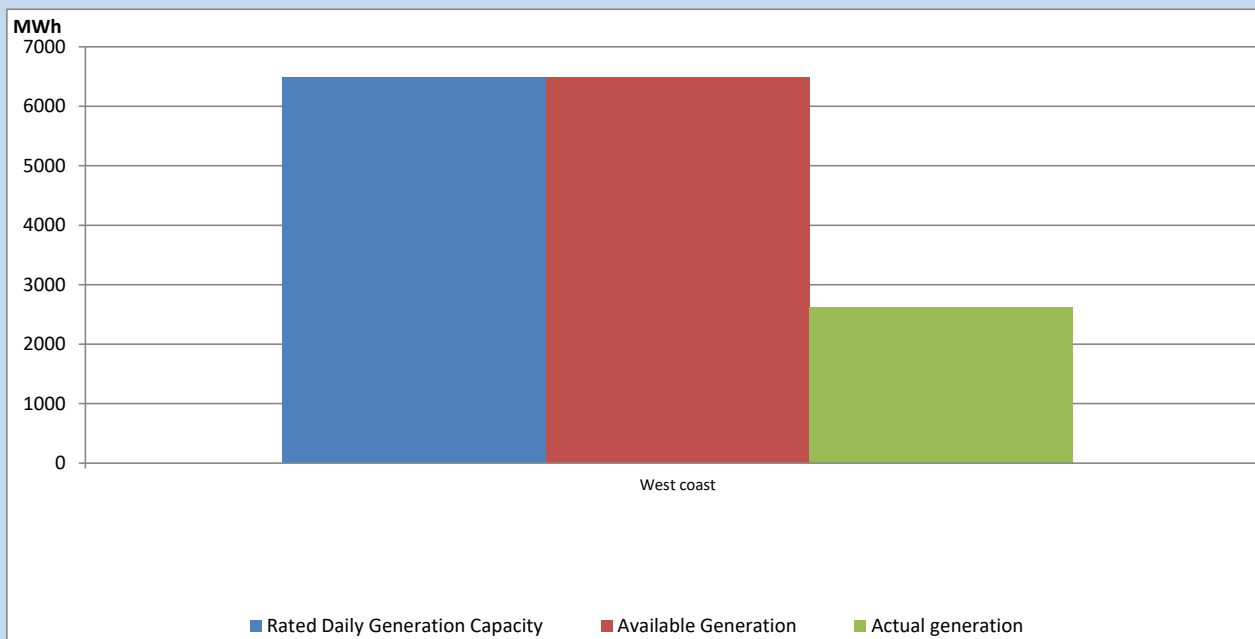


Note- Plant avilability is recorded at 6.00 am on

April 24, 2023

IPP owned Thermal Plant Dispatch

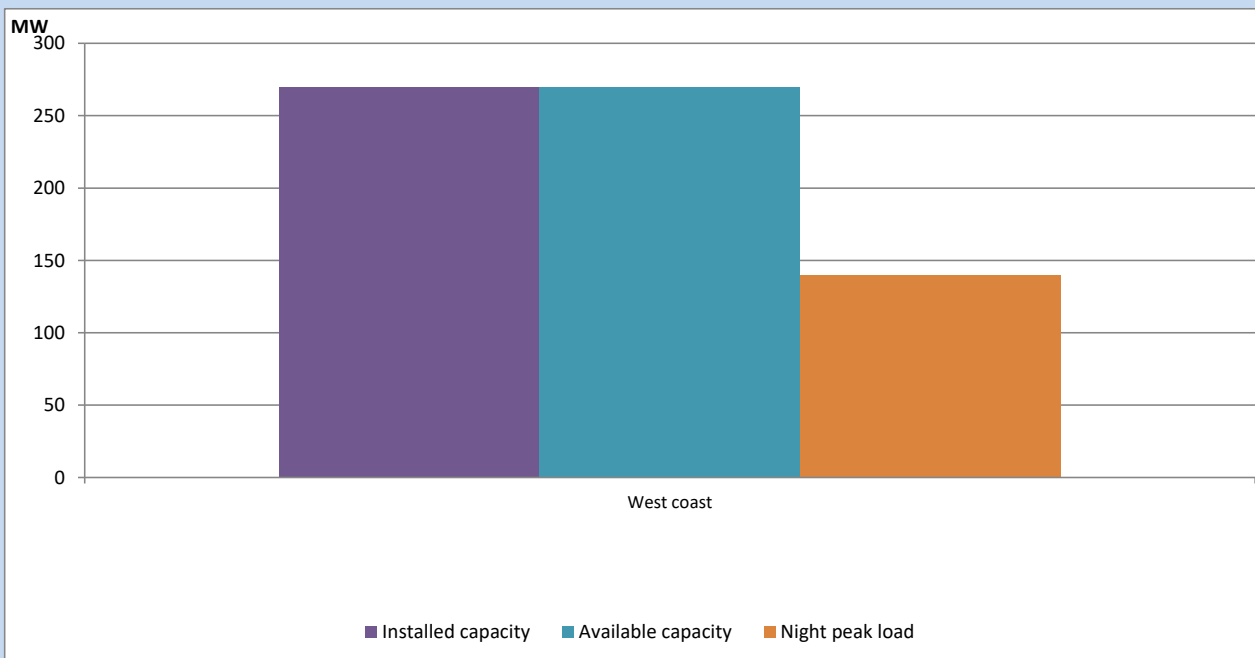
April 23, 2023



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

April 24, 2023

IPP owned Thermal Plant Loading at the Night Peak

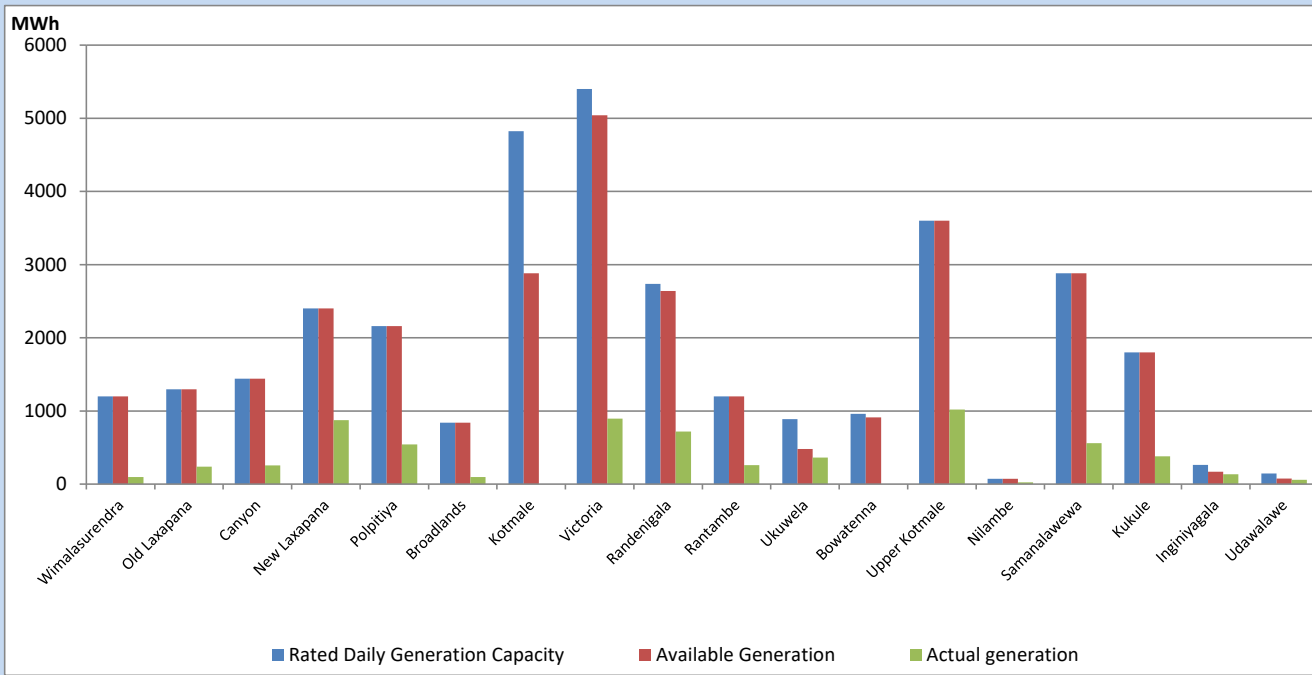


Note- Plant availability is recorded at 6.00 am on

April 24, 2023

Major Hydro Plant Dispatch

April 23, 2023

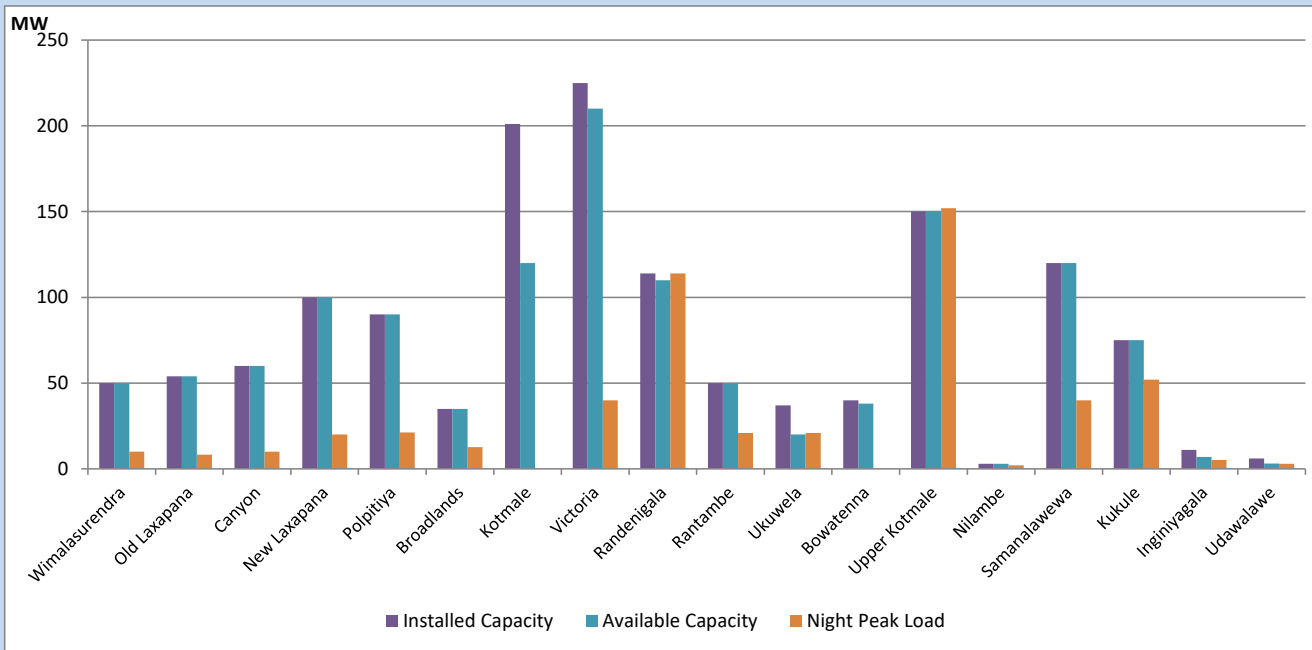


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

April 24, 2023

Major Hydro Plant Loading at Night Peak

April 23, 2023



Note- Plant availability is recorded at 6.00 am on

April 24, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

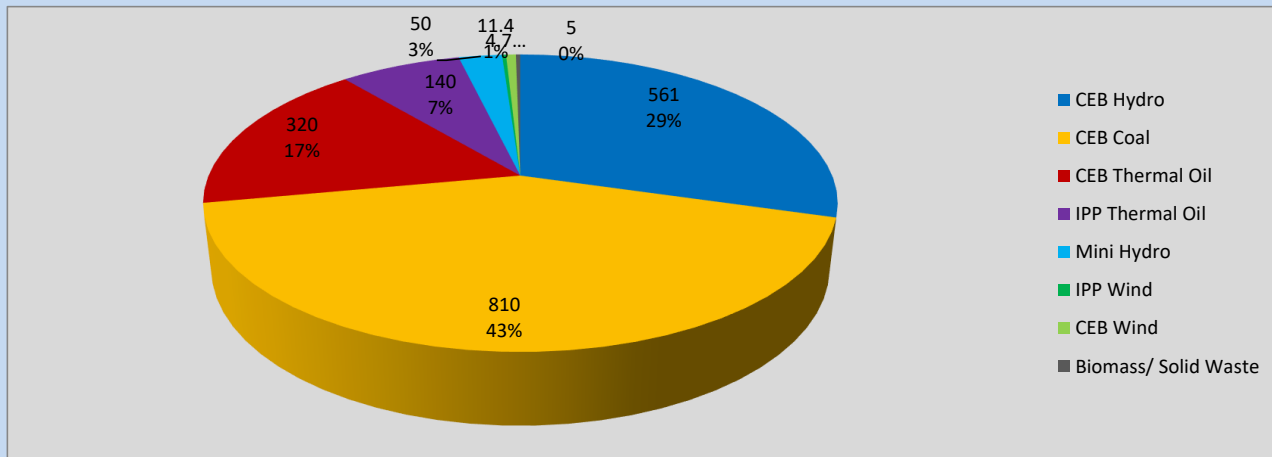
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	98
Old Laxapana	54	54	8	240
Canyon	60	60	10	256
New Laxapana	100	100	20	875
Polpitiya	90	90	21	541
Broadlands	35	35	13	96
Kotmale	201	120	0	0
Victoria	225	210	40	895
Randenigala	114	110	114	720
Rantambe	50	50	21	260
Ukuwela	37	20	21	361
Bowatenna	40	38	0	0
Upper Kotmale	150	150	152	1,018
Nilambe	3	3	2	23
Samanalawewa	120	120	40	560
Kukule	75	75	52	380
Inginiyagala	11	7	5	133
Udawalawe	6	3	3	60
Puttalam Coal I	270	270	271	6,212
Puttalam Coal II	270	270	268	6,294
Puttalam Coal III	270	270	271	6,319
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	145	3,287
Sapugaskanda A	70	32	32	398
Sapugaskanda B	70	63	54	1,229
Uthura Janani	26	24	16	67
Barge CEB	60	45	44	445
CEB-Hambantota	30	19	18	16
CEB-Mathugama	20	11	11	11
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	140	2,613
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,874	1,874	35,540

Plant availability is the availability recorded at 6 am on

April 24, 2023

Contribution to the Night Peak in MW

April 23, 2023

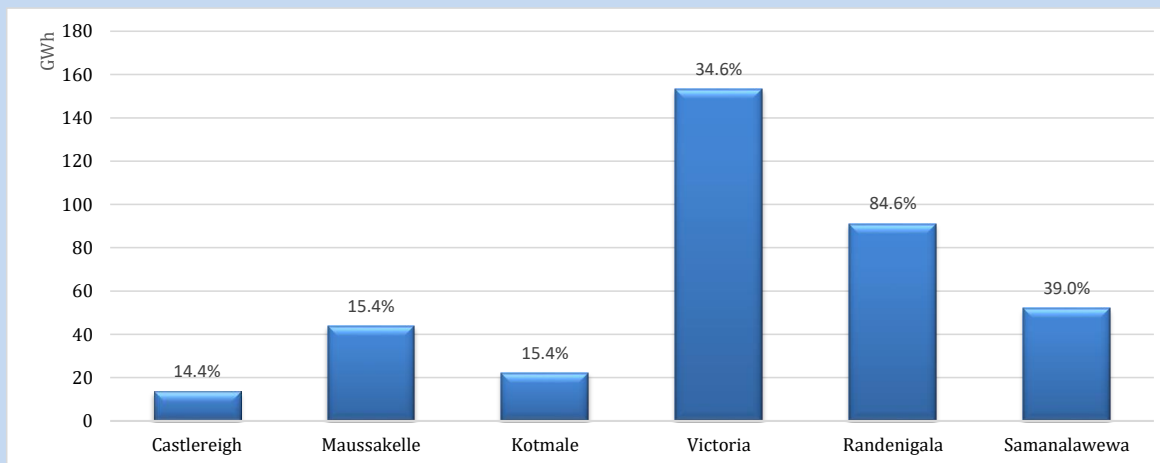


Night Peak*	1,902 MW
Day Peak	1,476 MW
Minimum Demand	1,284 MW

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

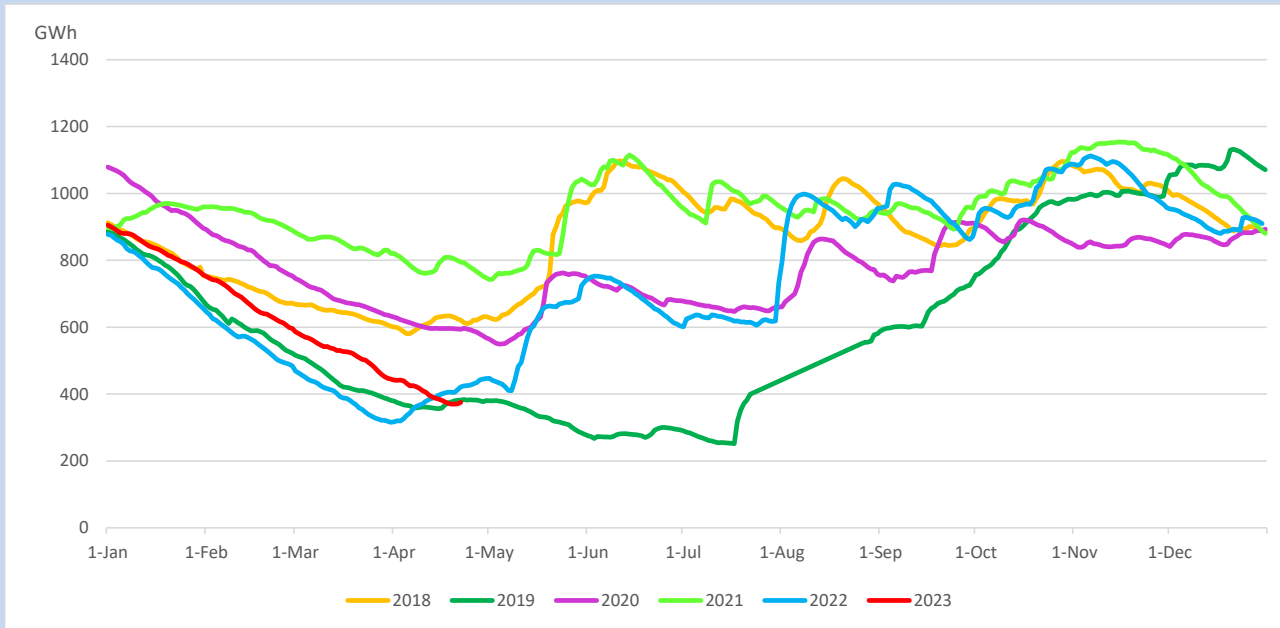
Reservoir Levels -

as at 06.00 Hr on April 24, 2023

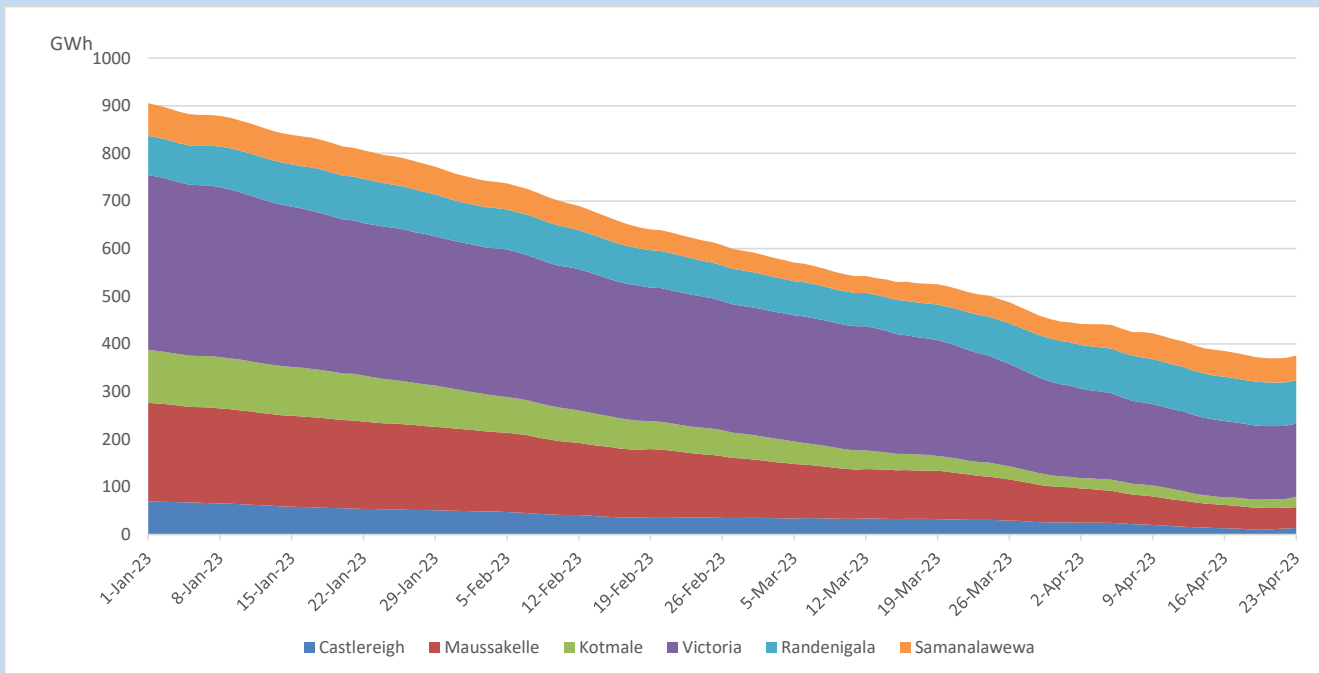


Total Reservoir Level	375.7 GWh
% of Total capacity	31.2%

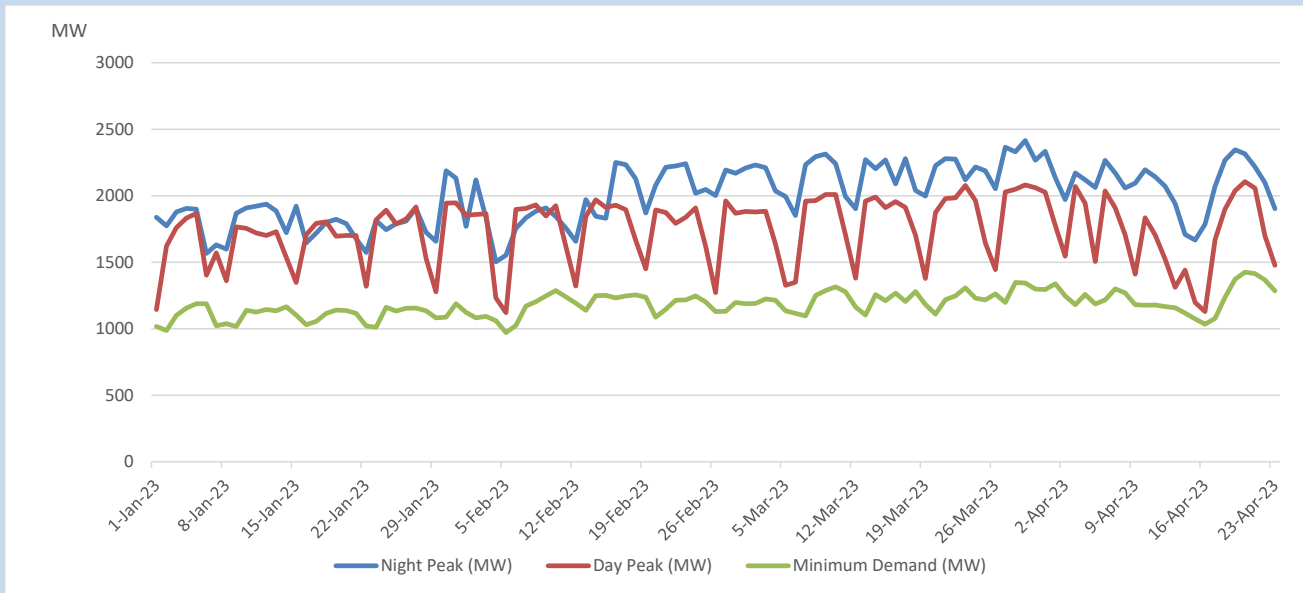
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

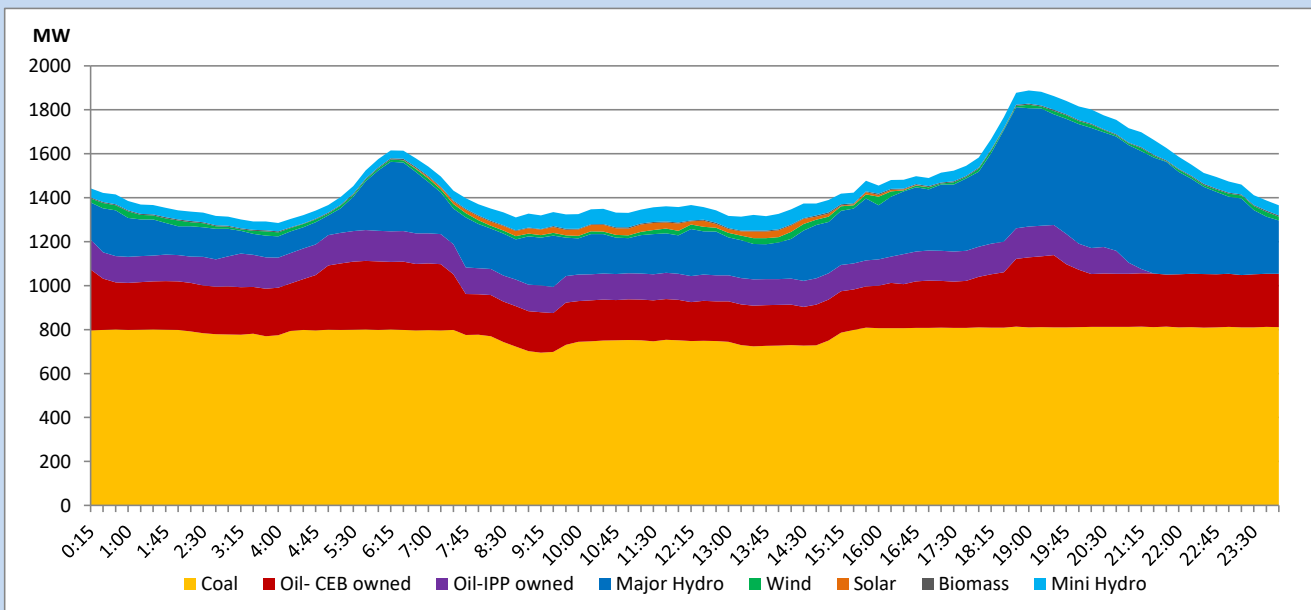


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

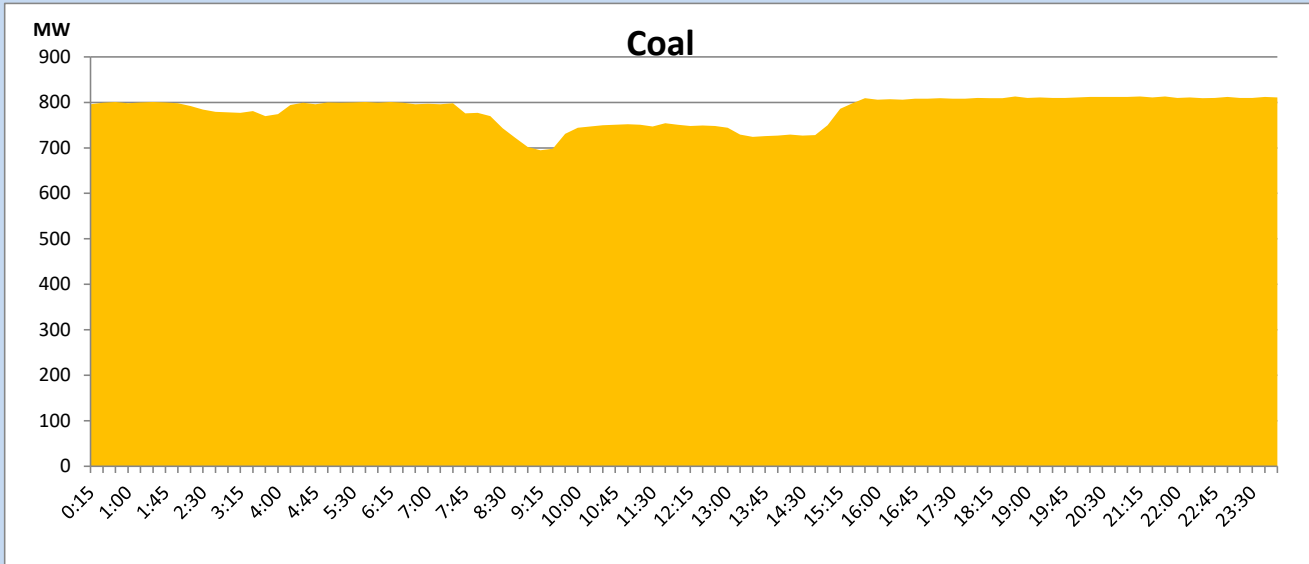
April 23, 2023

Solar and wind data is based on Telemetered Power Stations only



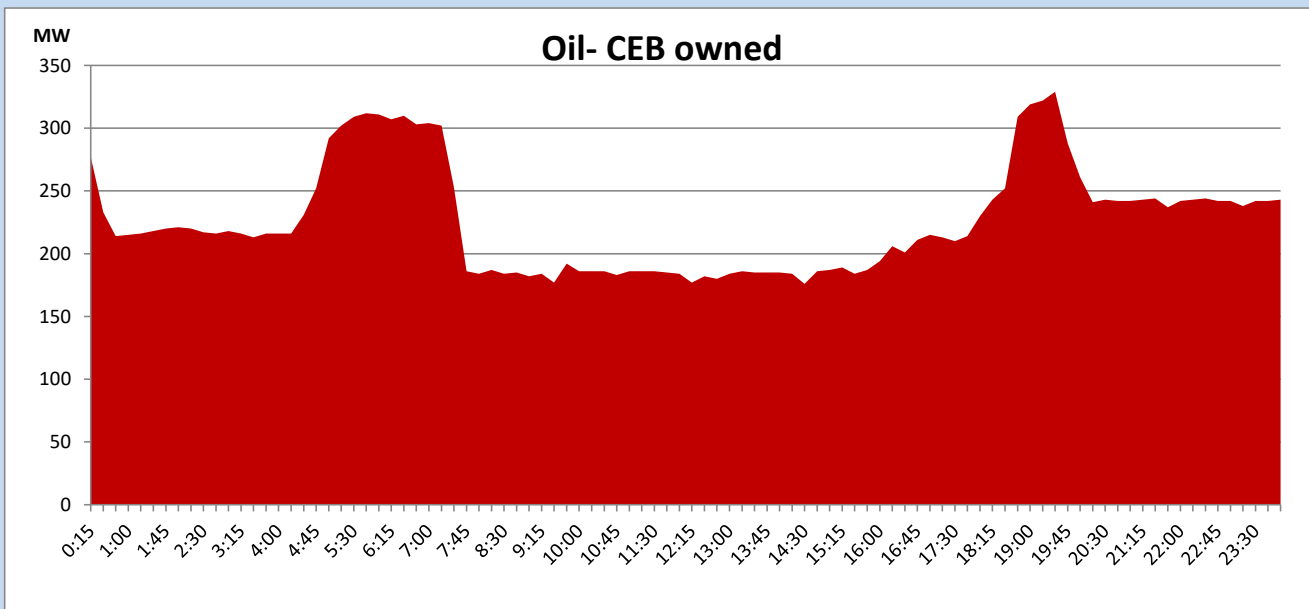
Coal Generation during

April 23, 2023



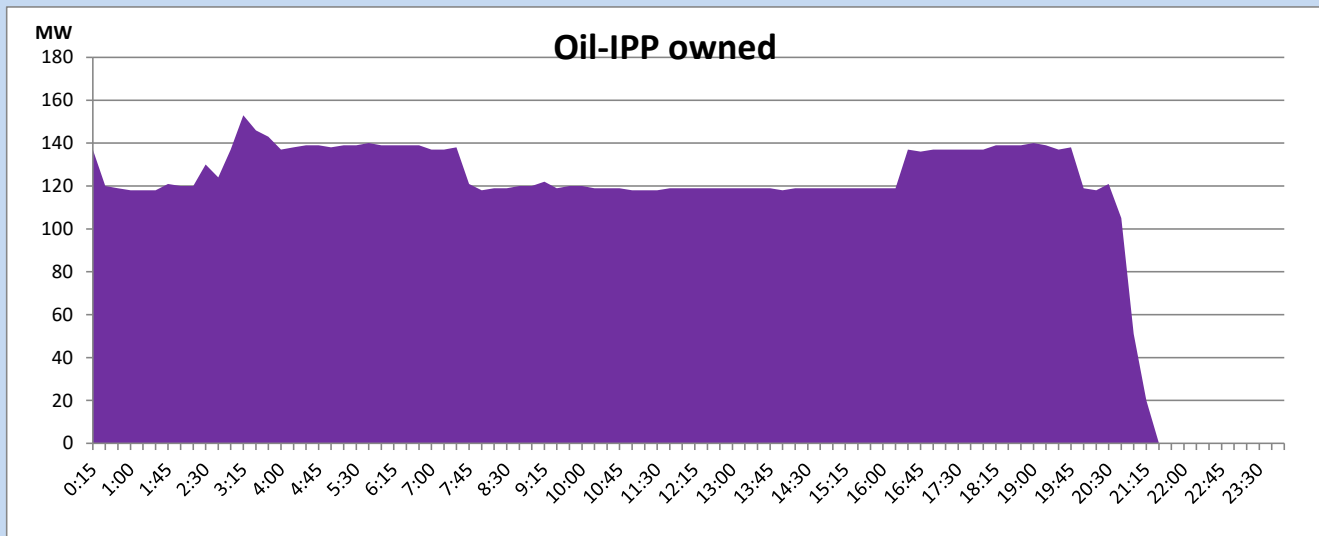
CEB Oil Plant Generation during

April 23, 2023



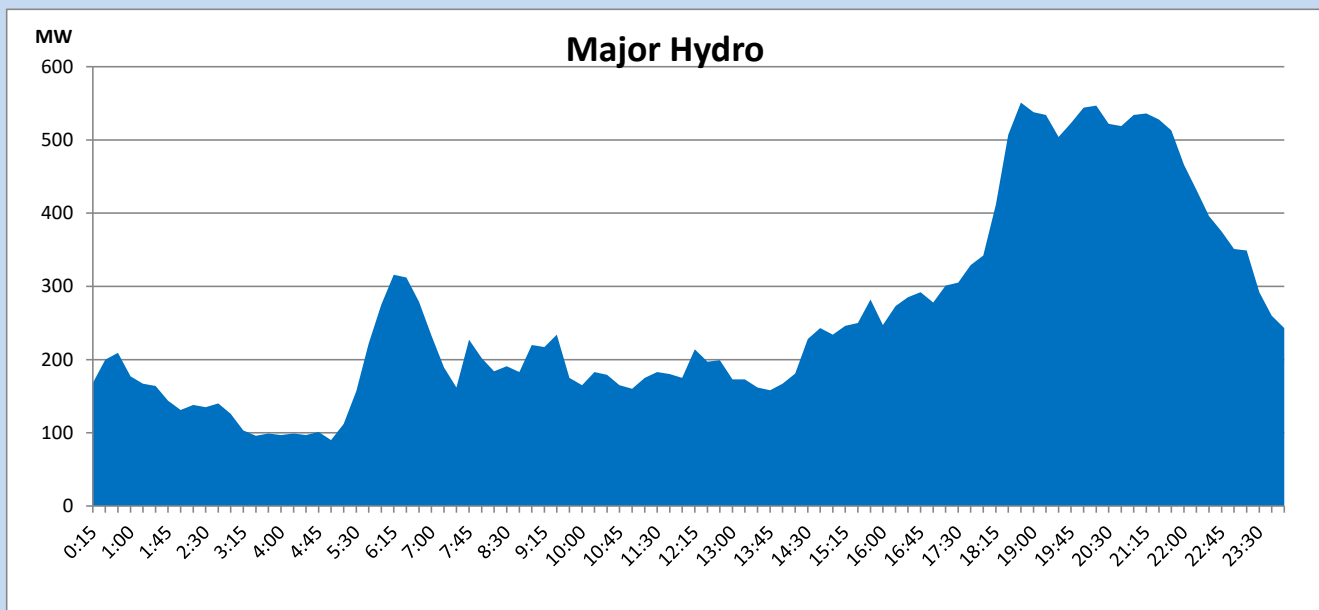
IPP Oil Plant Generation during

April 23, 2023



Major Hydro Generation during

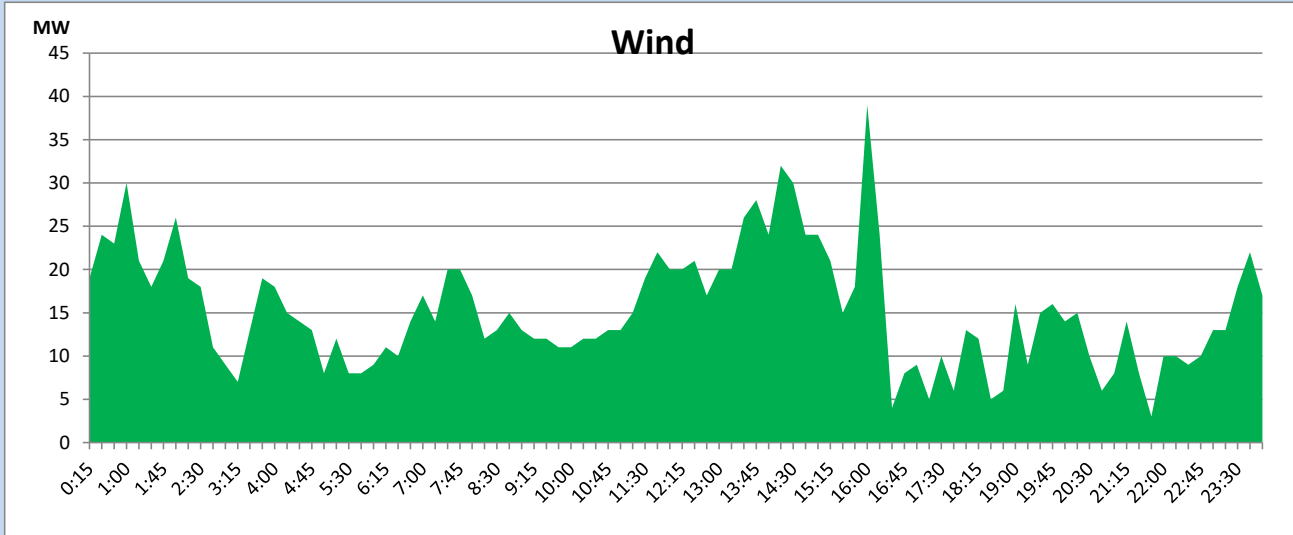
April 23, 2023



Wind Generation during

April 23, 2023

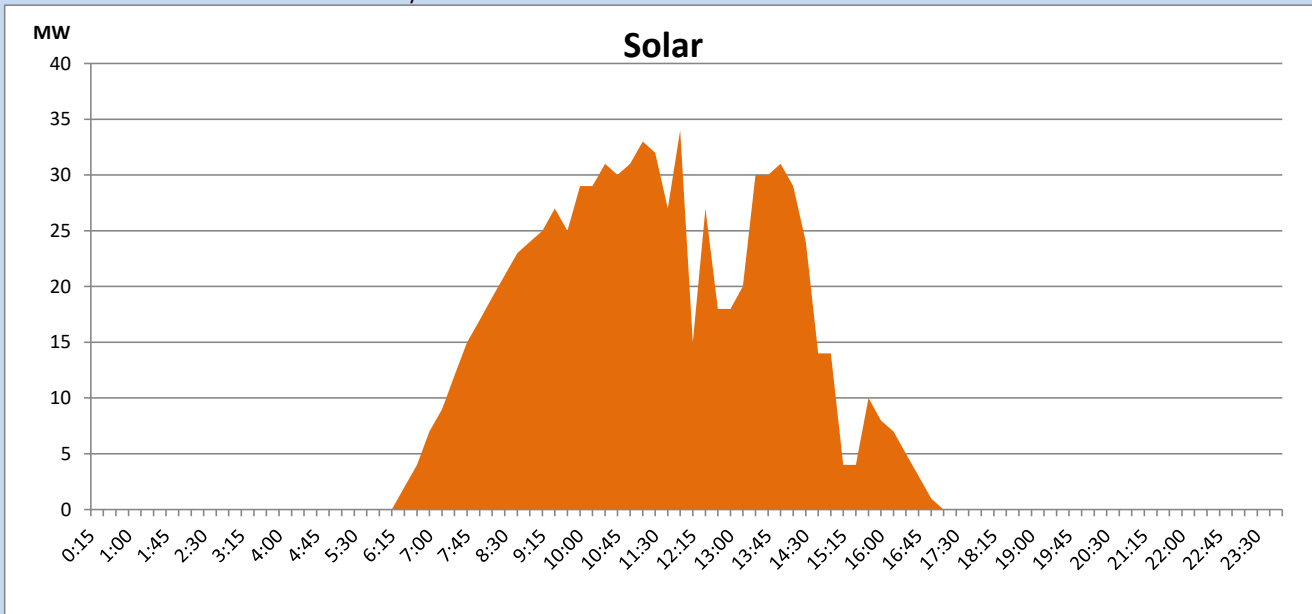
Based on Telemetered Power Stations only



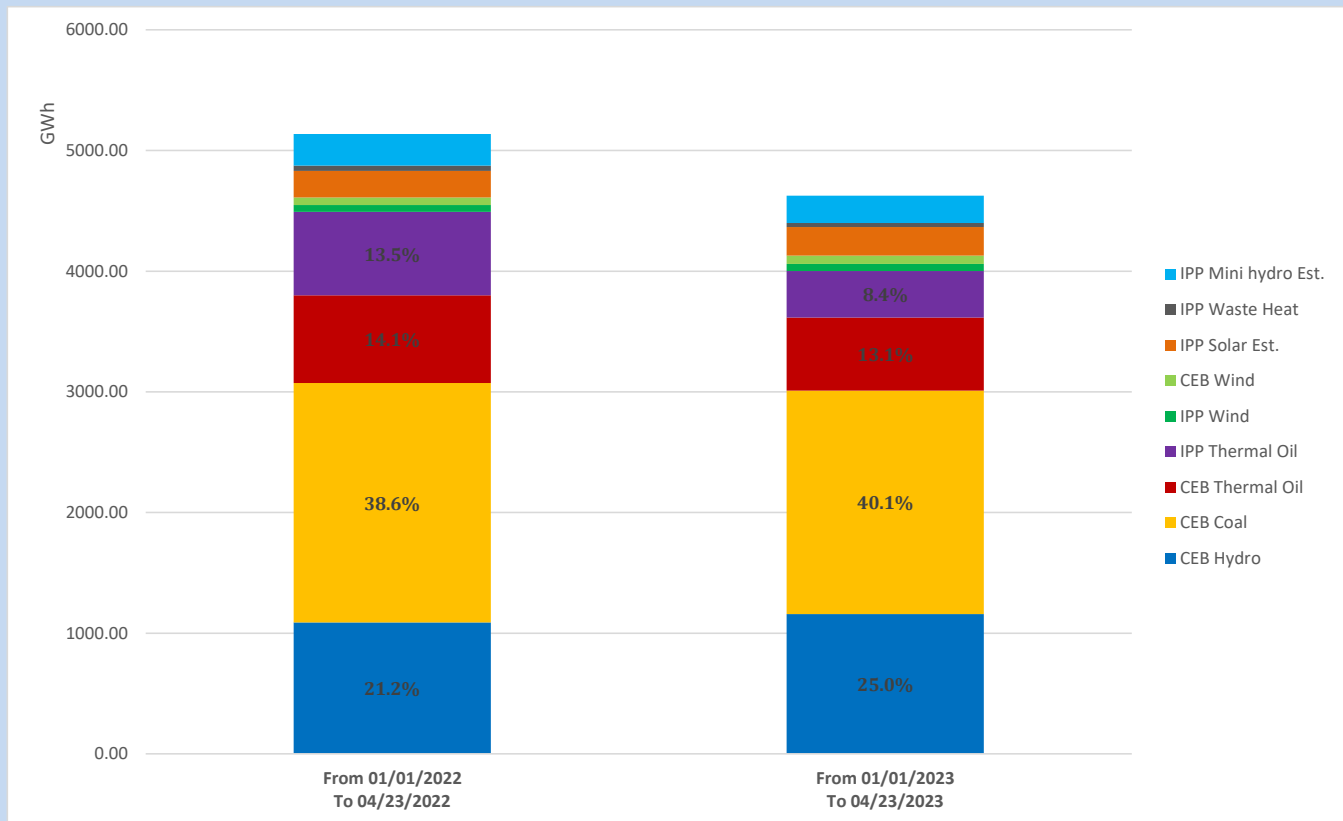
Solar Generation during

April 23, 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 23, 2023

- 1) Sapugaskanda PS unit 12 tripped 2:01hrs due to exhaust gas leak. Sapugaskanda PS unit 12 is yet to resume generation.
- 2) Polpitiya - Kosgama 132kV cct tripped from Polpitiya end and tripped and A/R from Kosgama end at 15:52hrs due to operation of Distance protection. Polpitiya - Kosgama cct restored at 16:02hrs.
- 3) Broadland - Seethawaka 132kV cct tripped and A/R from Broadland end at 15:52hrs due to operation of Distance protection.
- 4) Sapugaskanda PS unit 06 made unavailable from 16:15hrs to 19:15hrs due to B/D.