

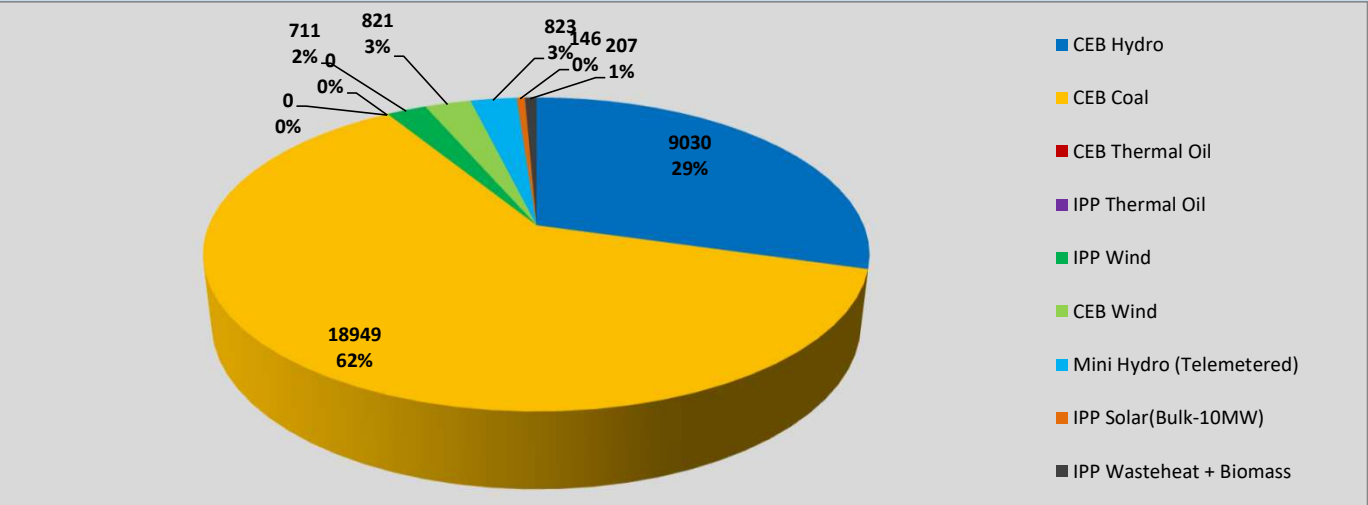
Generation and Reservoirs Statistics

January 22, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 30,687 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.97 GWh
 Estimated Mini Hydro (Non telemetered) = 1697 MWh
 Estimated IPP Solar PV (Bulk 1-10MW) = 304MWh
 Estimated Solar Roof Top PV = 1480 MWh

Cumulative Dispatch

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

For Current Month

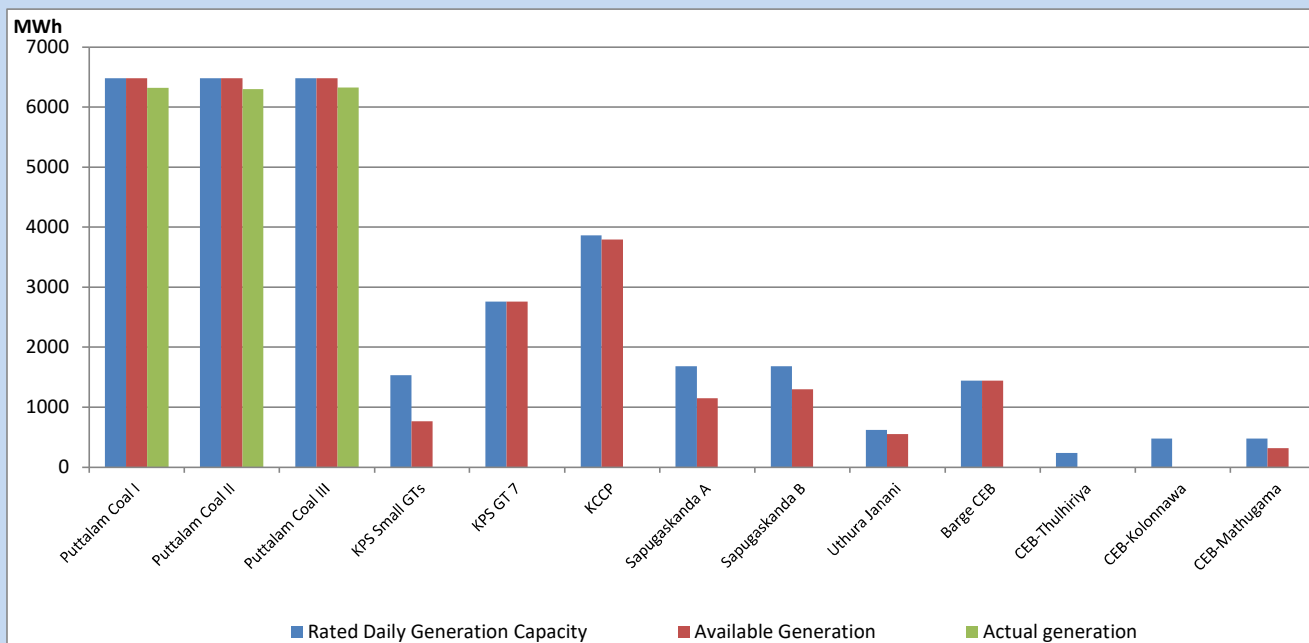
Category	Dispatch (GWh)	
CEB Hydro	236	30.37%
CEB Coal	296	38.06%
CEB Thermal Oil	123	15.80%
IPP Thermal	56	7.18%
SPP Wind	15	1.98%
CEB Wind	19	2.47%
Mini Hydro (Telemetered)	20	2.52%
IPP Solar(Bulk-10MW)	6	0.79%
IPP Wasteheat + BMP	6	0.82%
Total	777	

For Current Year

Category	Dispatch (GWh)	
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CEB owned Thermal Plant Dispatch

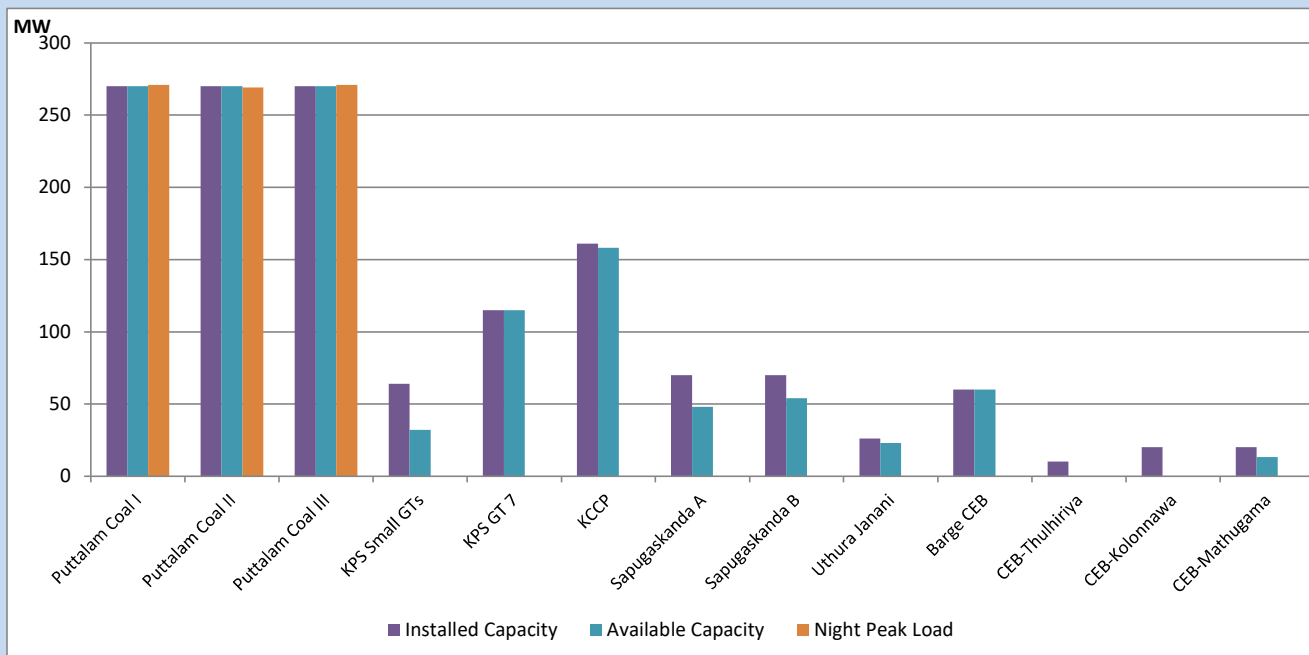
January 22, 2023



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

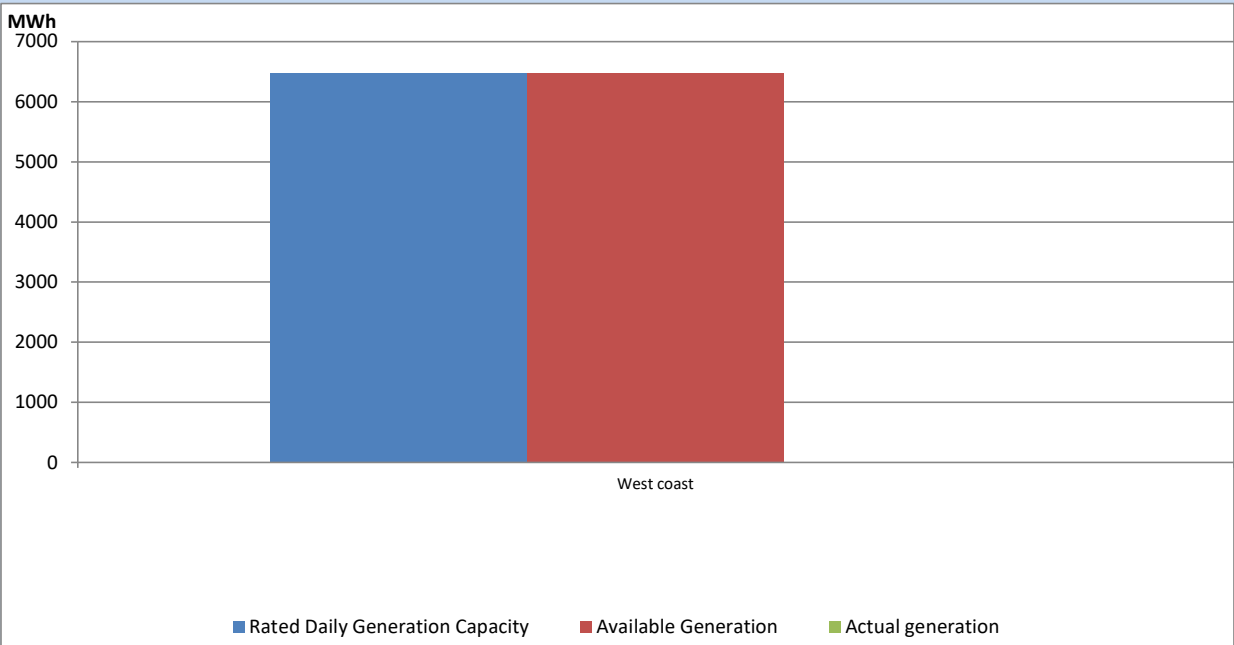
January 23, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

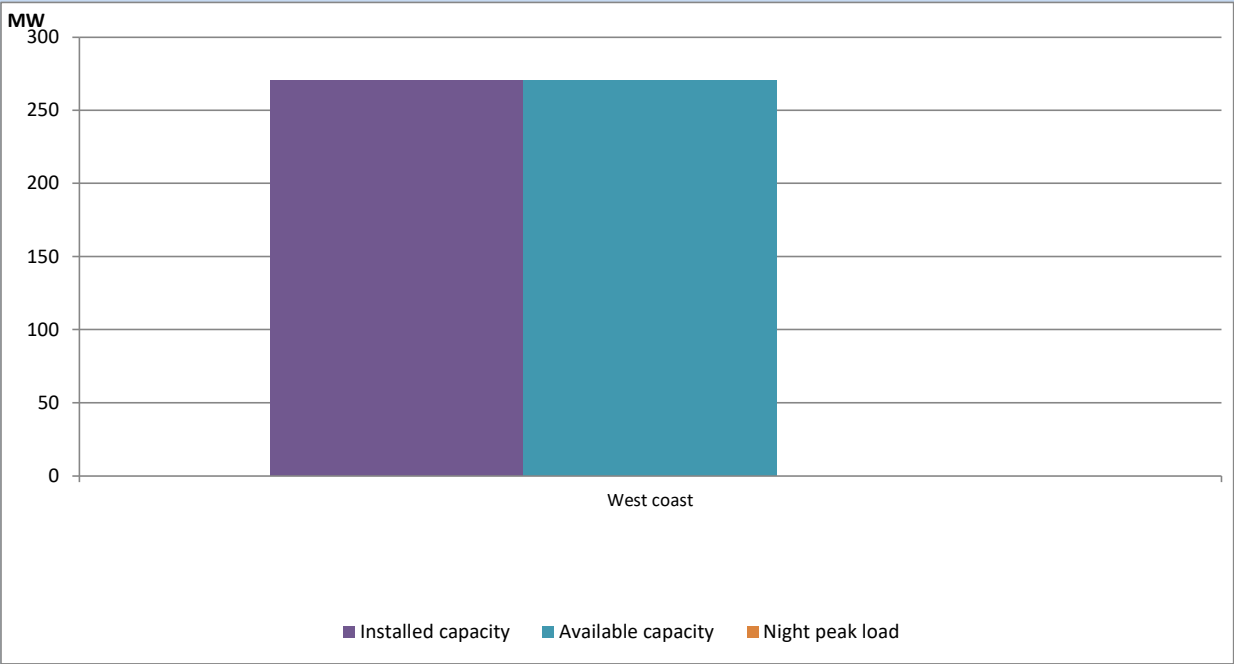
January 23, 2023



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

January 23, 2023

IPP owned Thermal Plant Loading at the Night Peak

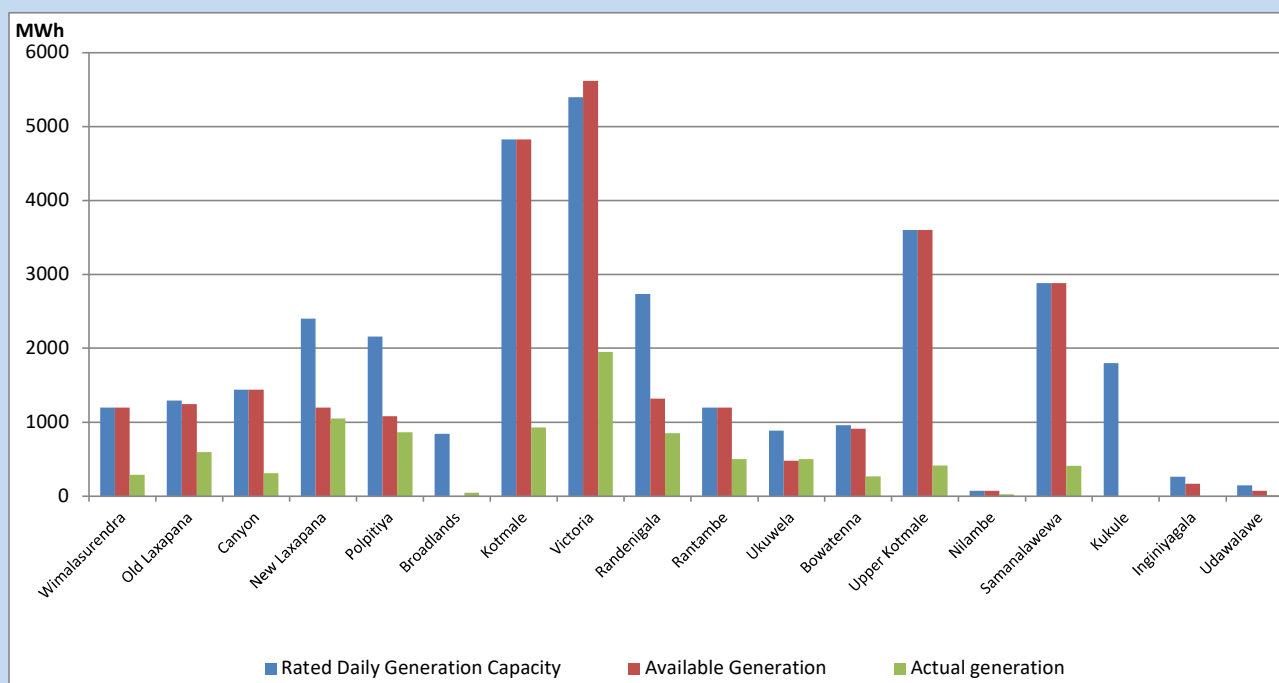


Note- Plant avilability is recorded at 6.00 am on

January 23, 2023

Major Hydro Plant Dispatch

January 22, 2023

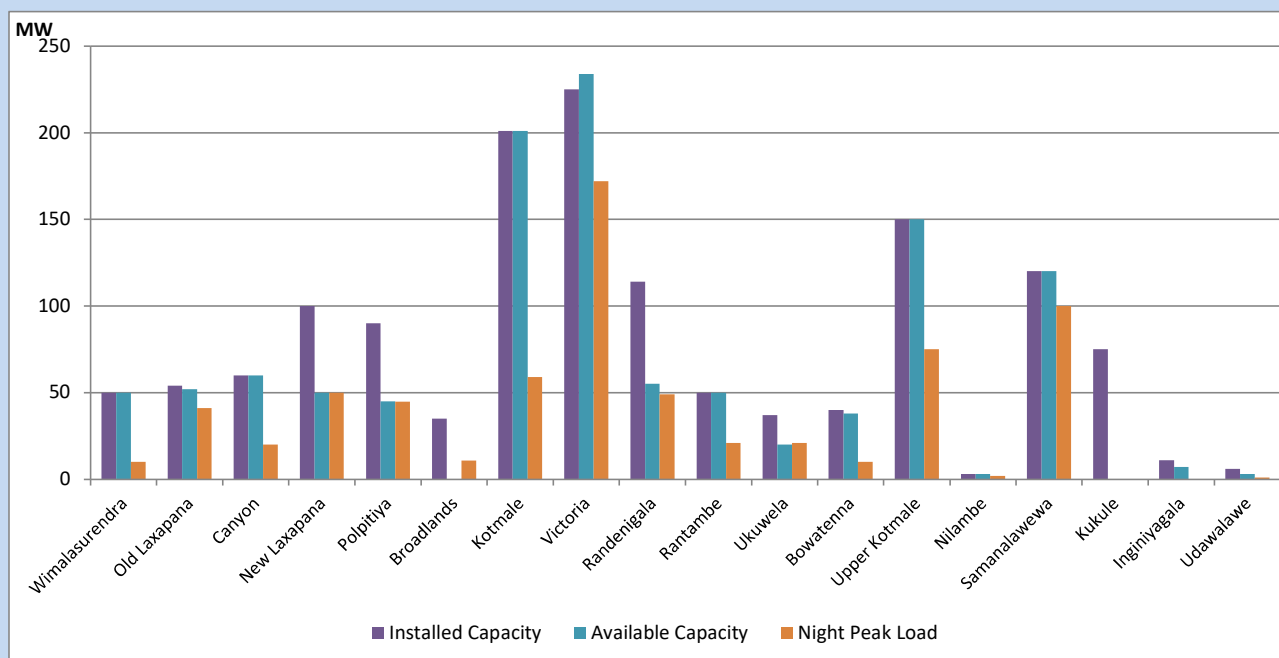


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 23, 2023

Major Hydro Plant Loading at Night Peak

January 22, 2023



Note- Plant availability is recorded at 6.00 am on

January 23, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

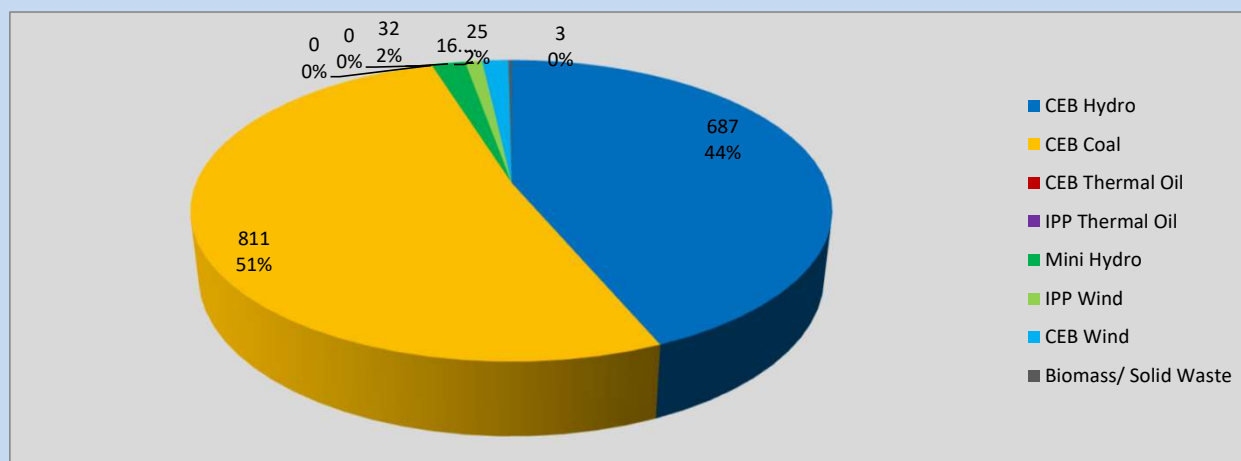
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	288
Old Laxapana	54	52	41	596
Canyon	60	60	20	312
New Laxapana	100	50	50	1,049
Polpitiya	90	45	45	865
Broadlands	35	0	11	45
Kotmale	201	201	59	930
Victoria	225	234	172	1,954
Randenigala	114	55	49	851
Rantambe	50	50	21	503
Ukuwela	37	20	21	501
Bowatenna	40	38	10	267
Upper Kotmale	150	150	75	415
Nilambe	3	3	2	24
Samanalawewa	120	120	100	411
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	19
Puttalam Coal I	270	270	271	6,322
Puttalam Coal II	270	270	269	6,300
Puttalam Coal III	270	270	271	6,327
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	0
Sapugaskanda A	70	48	0	0
Sapugaskanda B	70	54	0	0
Uthura Janani	26	23	0	0
Barge CEB	60	60	0	0
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	0	0
Nothorn Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,721	1,574	30,687

Plant availability is the availability recorded at 6 am on

January 23, 2023

Contribution to the Night Peak in MW

January 22, 2023

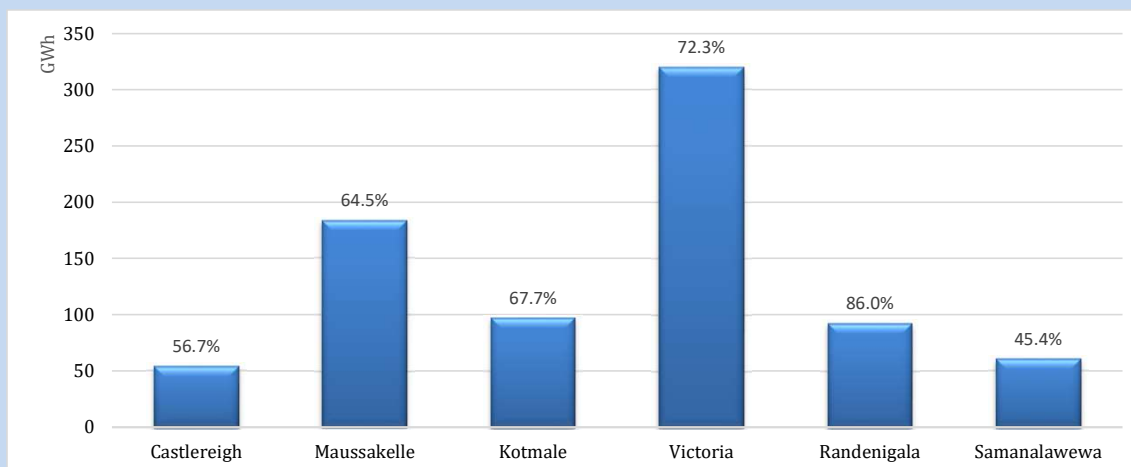


Night Peak*	1,573.6 MW
Day Peak	1,318.3 MW
Minimum Demand	1,020.7 MW

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

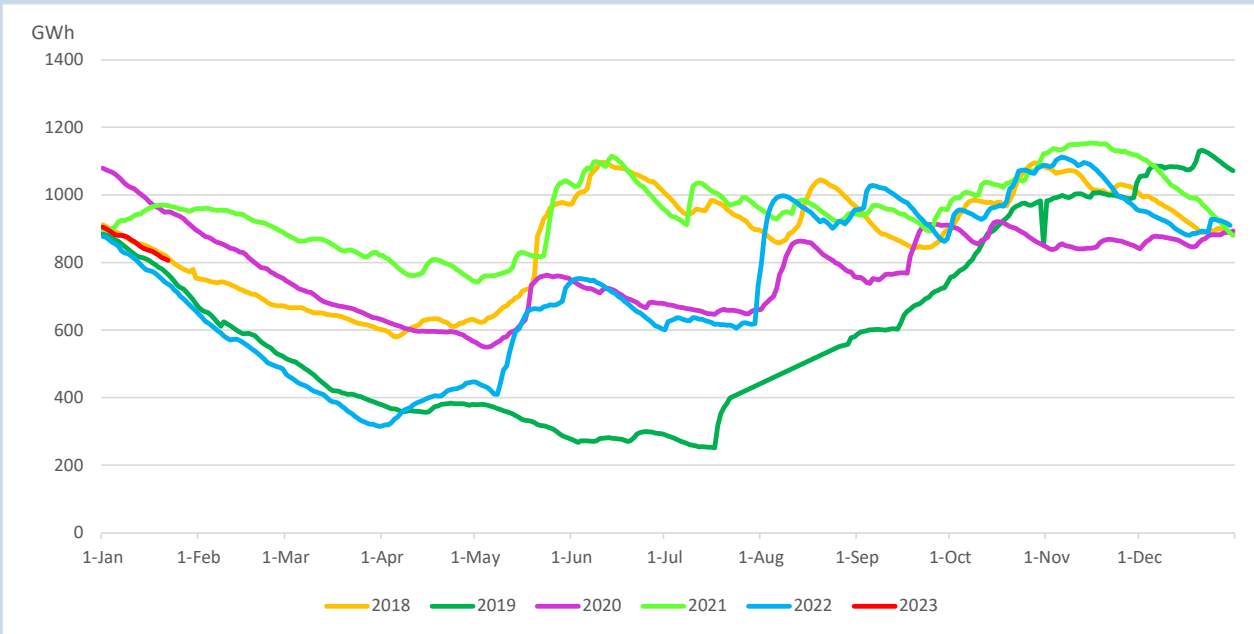
Reservoir Levels -

as at 06.00 Hr on January 23, 2023

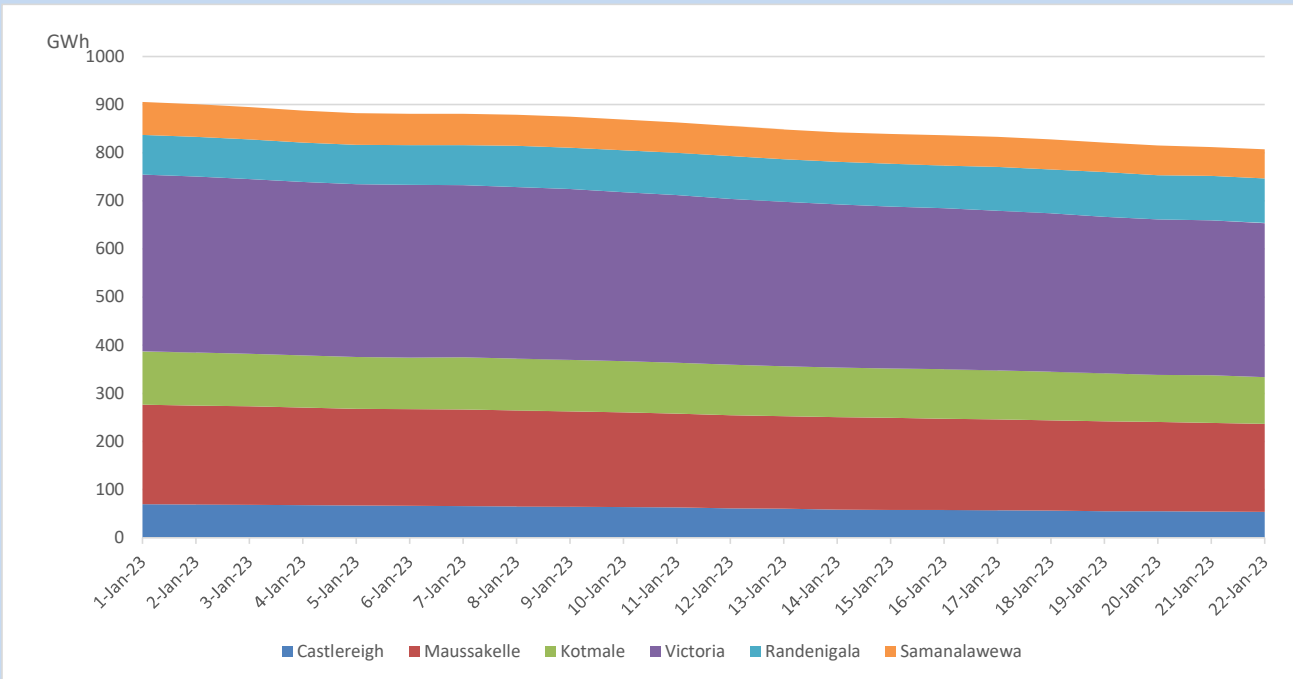


Total Reservoir Level	806.6 GWh
% of Total capacity	66.9%

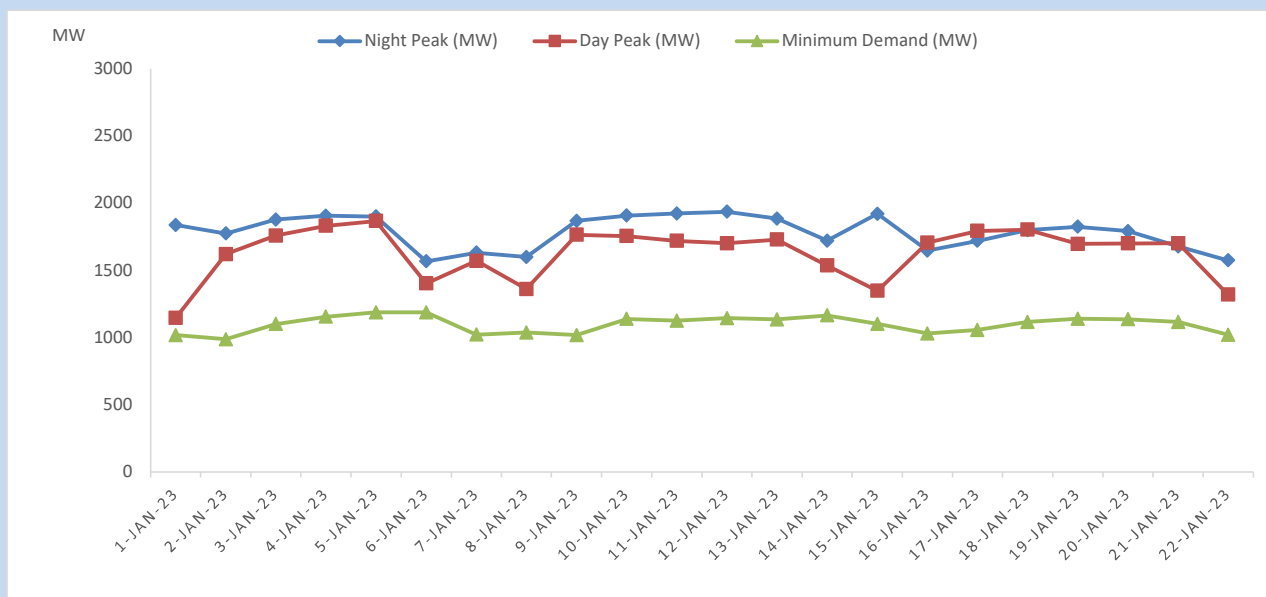
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

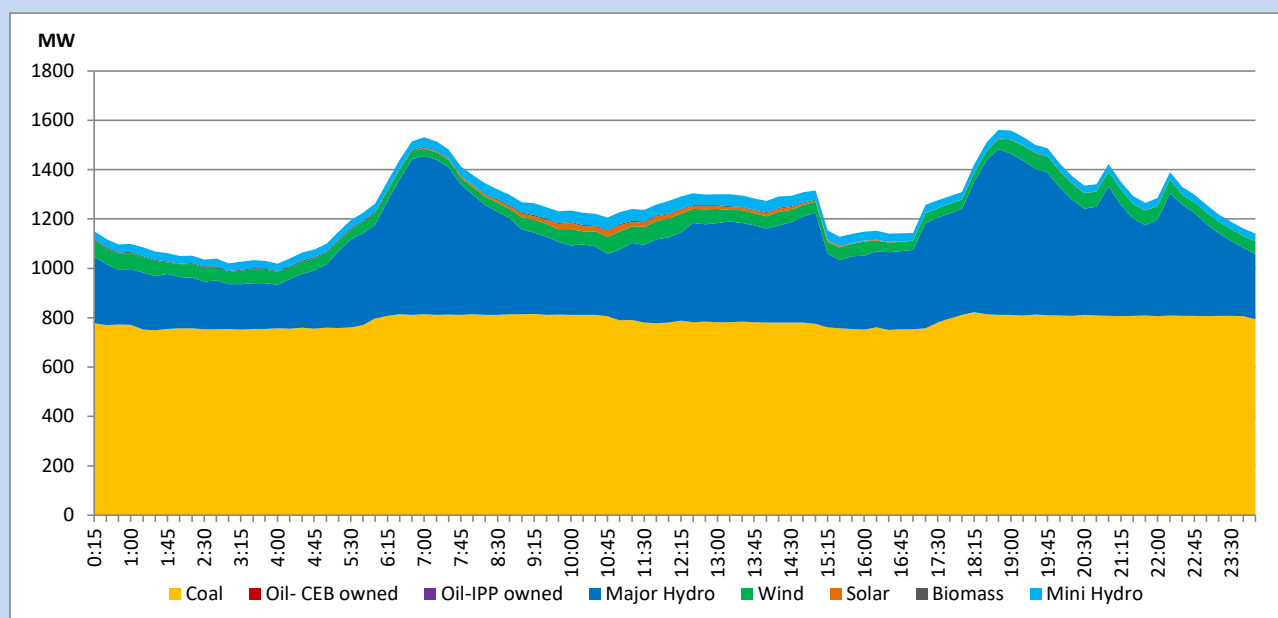


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve of the day

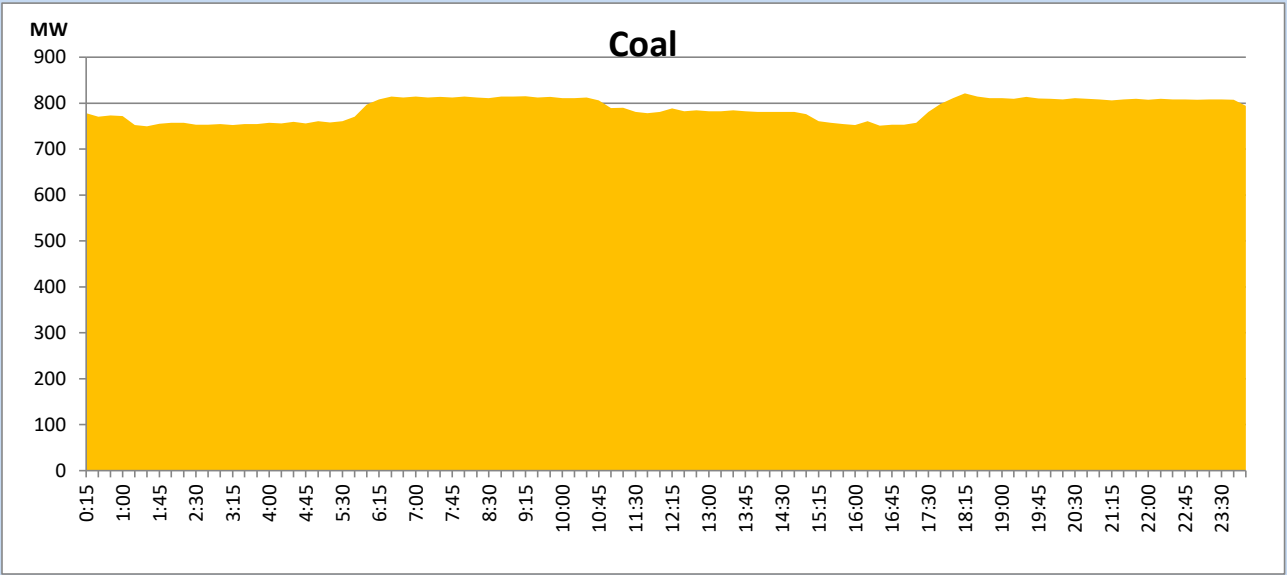
January 22, 2023

Solar and wind data is based on Telemetered Power Stations only



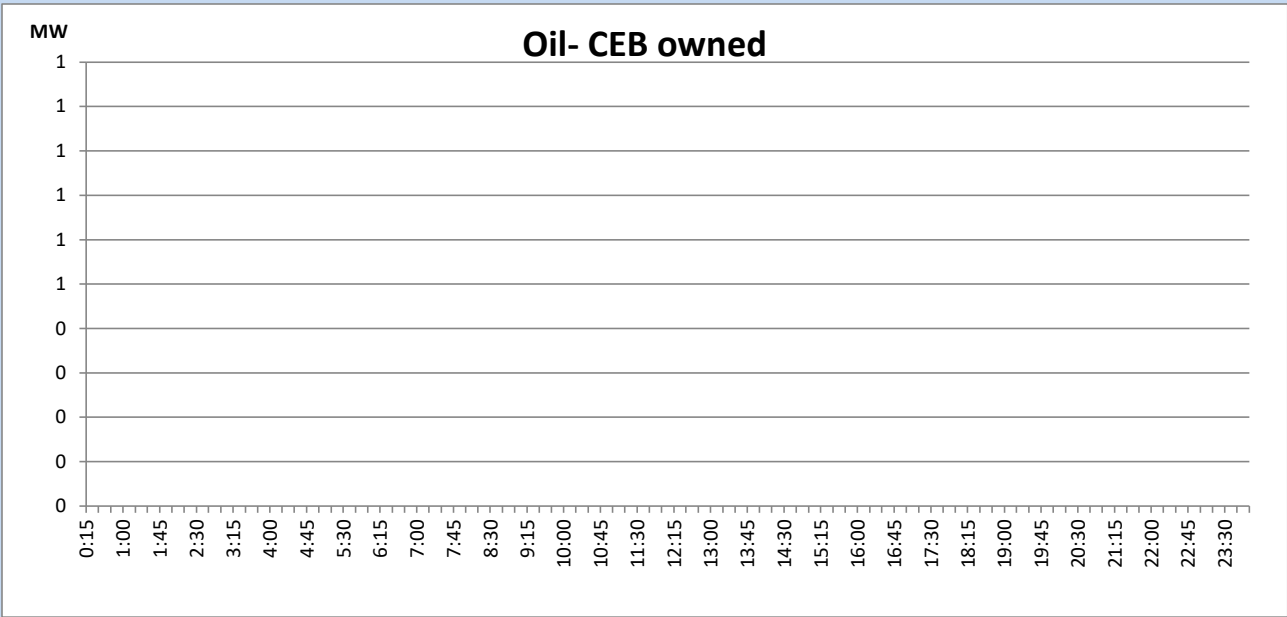
Coal Generation during the day

January 22, 2023



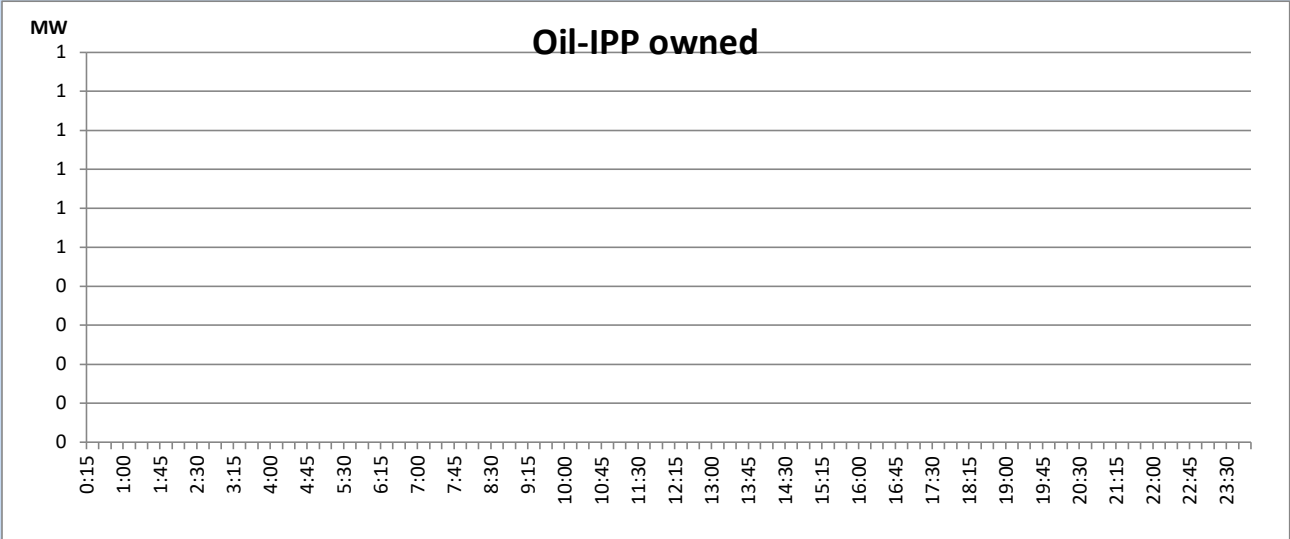
CEB Oil Plant Generation during the day

January 22, 2023



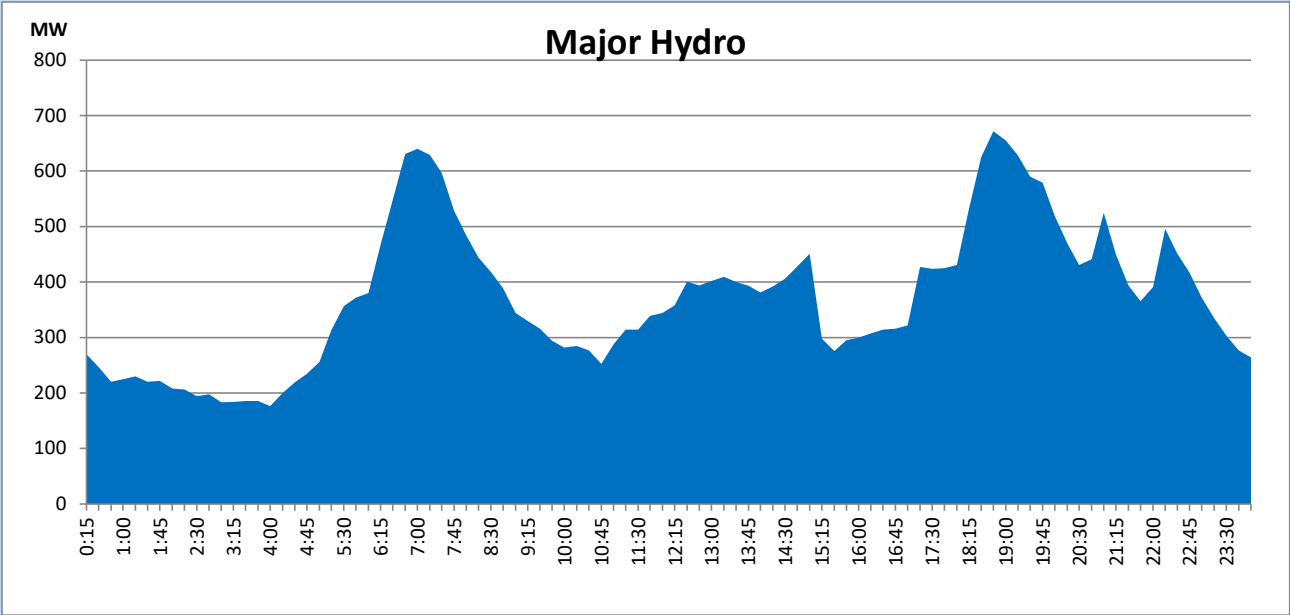
IPP Oil Plant Generation during the day

January 22, 2023



Major Hydro Generation during the day

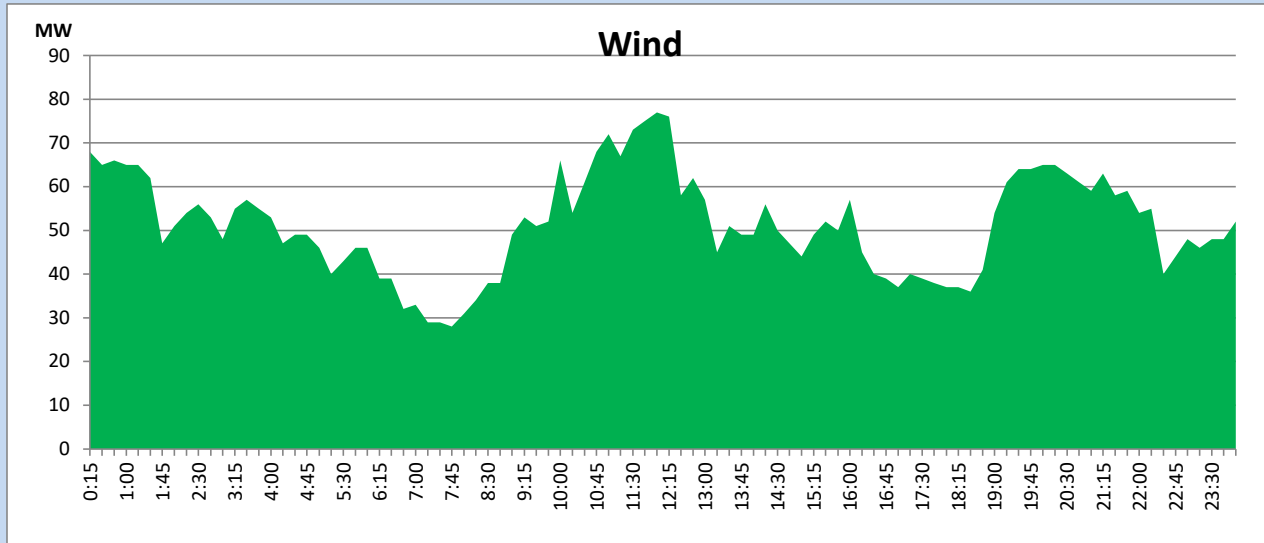
January 22, 2023



Wind Generation during the day

January 22, 2023

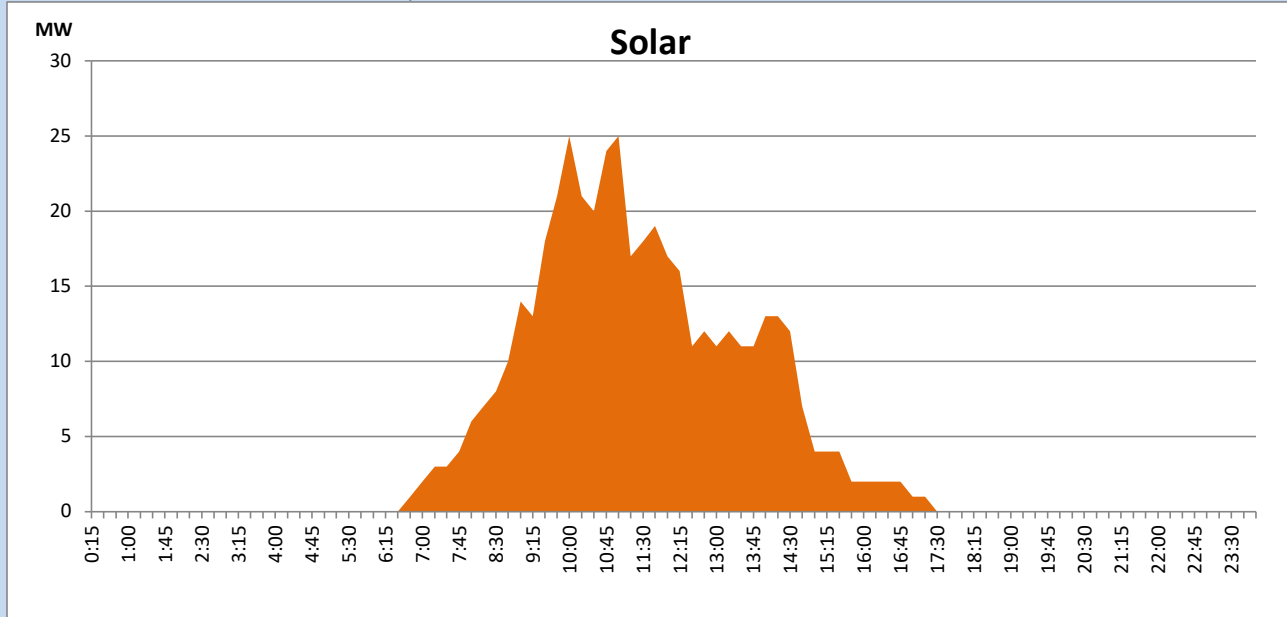
Based on Telemetered Power Stations only



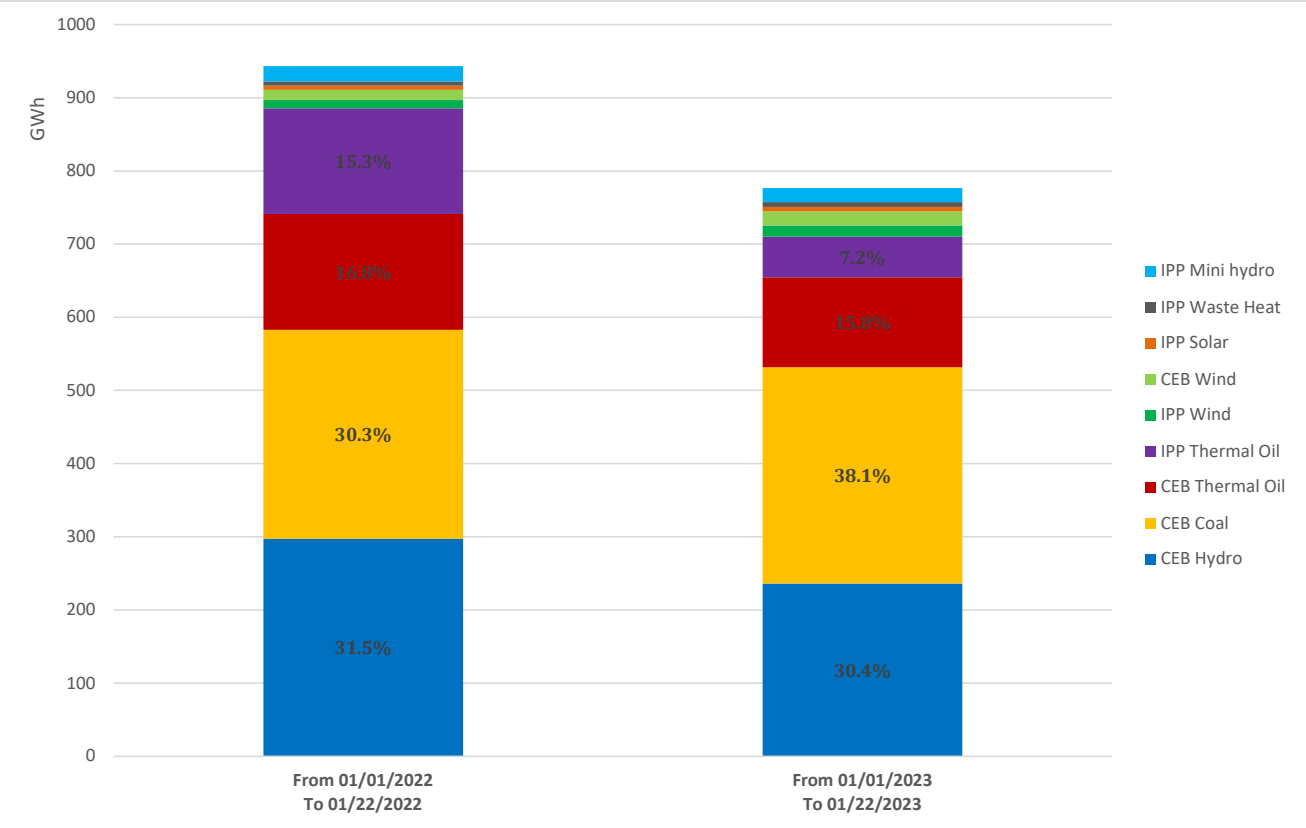
Solar Generation during the day

January 22, 2023

Based on Telemetered Power Stations only



Cumulative Dispatch Comparison with Last Year



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

January 22, 2023

1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.