

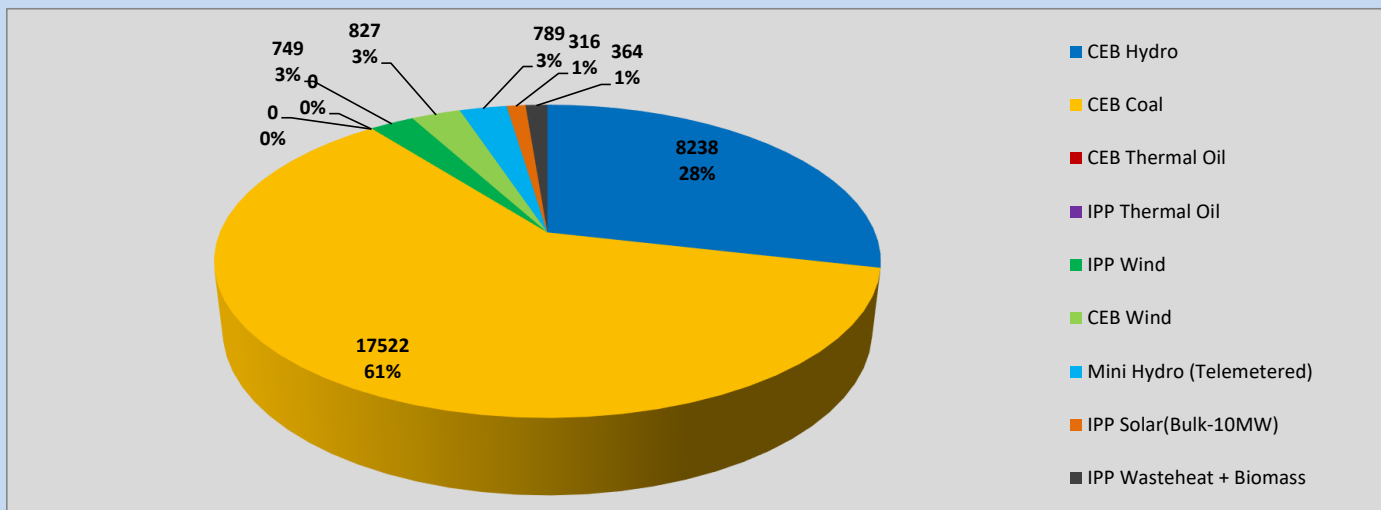
Generation and Reservoirs Statistics

February 5, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

28,805 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.78 GWh
 Estimated Mini Hydro (Non telemetered) = 1091 MWh
 Estimated IPP Solar PV (Bulk 1-10MW) = 304MWh
 Estimated Solar Roof Top PV = 1450 MWh

Cumulative Dispatch

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

For Current Month

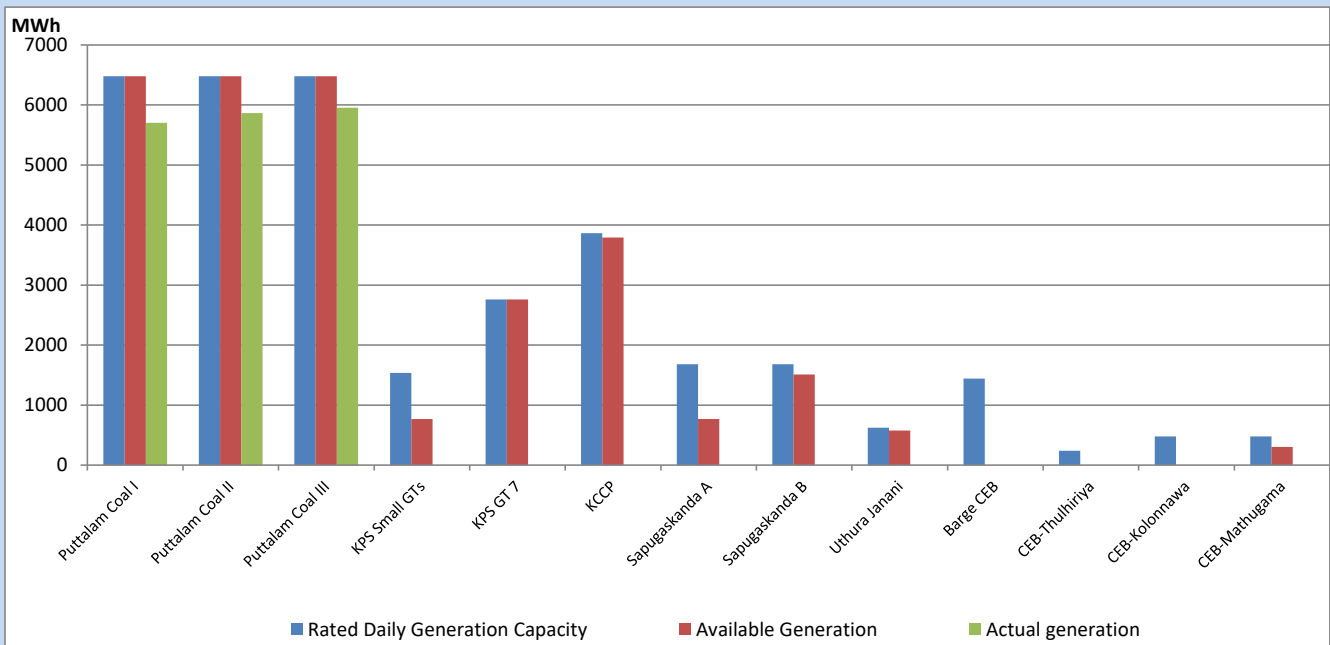
Category	Dispatch (GWh)	Percentage
CEB Hydro	50	28.71%
CEB Coal	92	52.89%
CEB Thermal Oil	18	10.19%
IPP Thermal	0	0.00%
SPP Wind	4	2.09%
CEB Wind	5	2.93%
Mini Hydro (Telemetered)	3	1.87%
IPP Solar (Bulk-10MW)	1	0.65%
IPP Wasteheat + BMP	1	0.67%
Total	173	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	380	29.48%
CEB Coal	559	43.37%
CEB Thermal Oil	190	14.78%
IPP Thermal	56	4.33%
SPP Wind	25	1.91%
CEB Wind	30	2.35%
Mini Hydro (Telemetered)	30	2.36%
IPP Solar (Bulk-10MW)	9	0.73%
IPP Wasteheat	9	0.68%
Total	1,288	

CEB owned Thermal Plant Dispatch

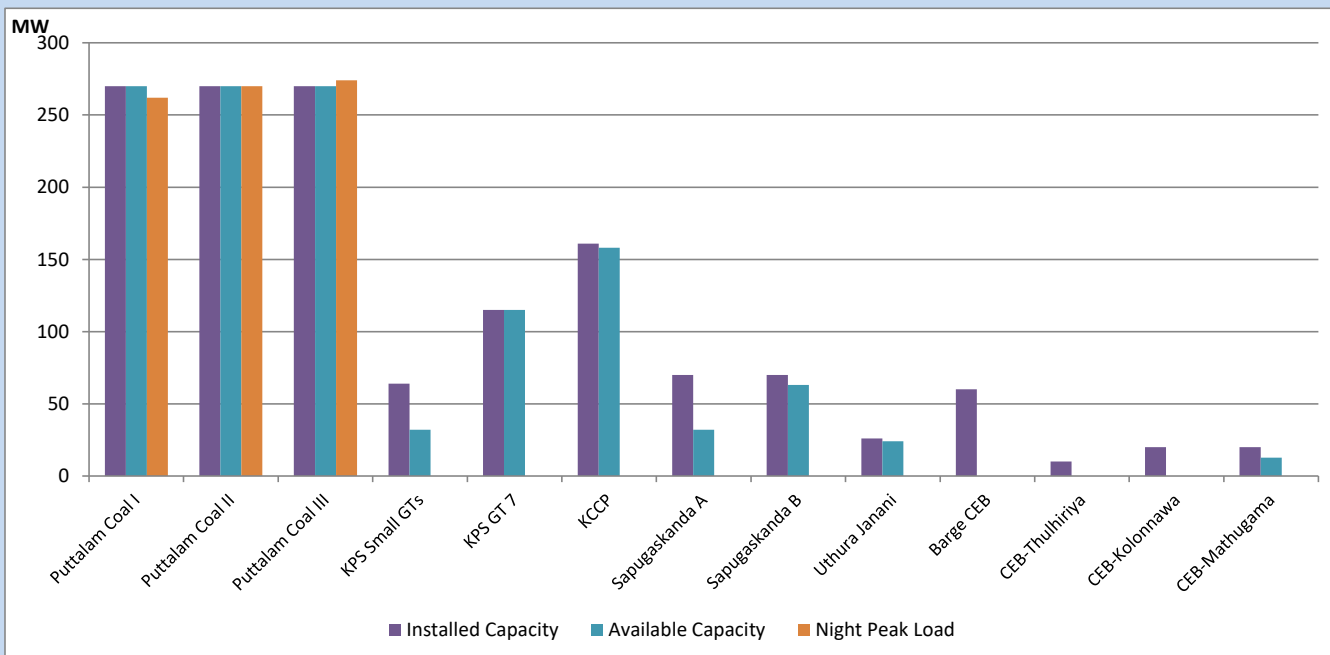
February 5, 2023



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

February 6, 2023

CEB owned Thermal Plant Loading at the Night Peak

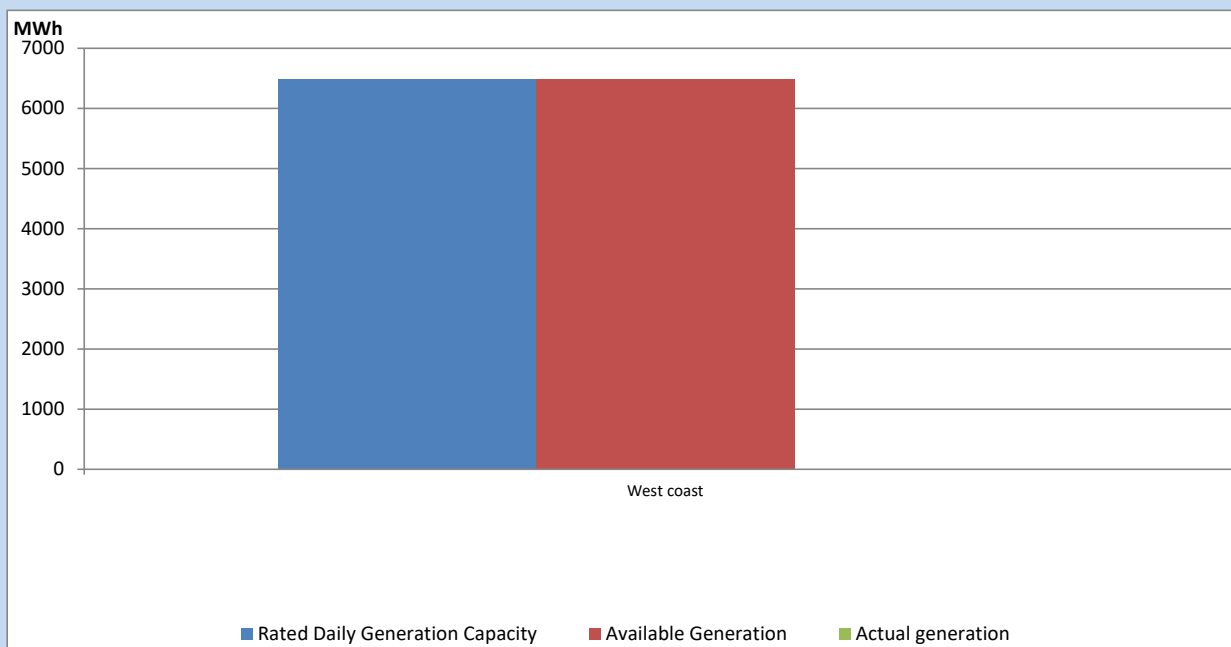


Note- Plant availability is recorded at 6.00 am on

February 6, 2023

IPP owned Thermal Plant Dispatch

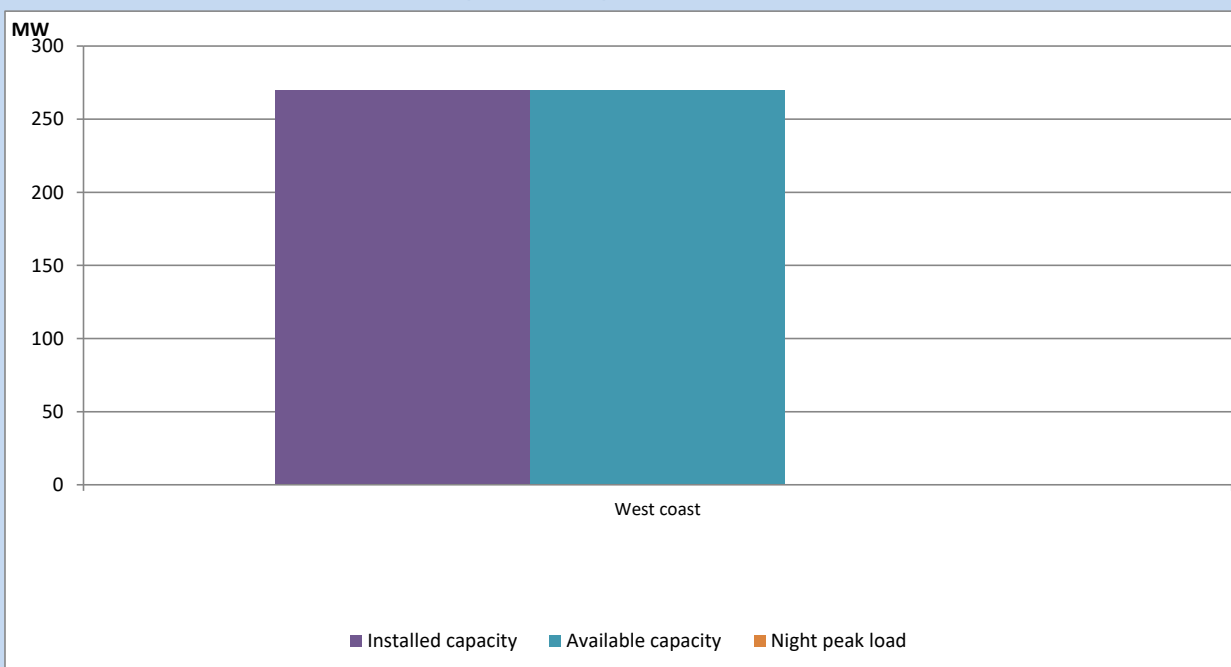
February 5, 2023



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

February 6, 2023

IPP owned Thermal Plant Loading at the Night Peak

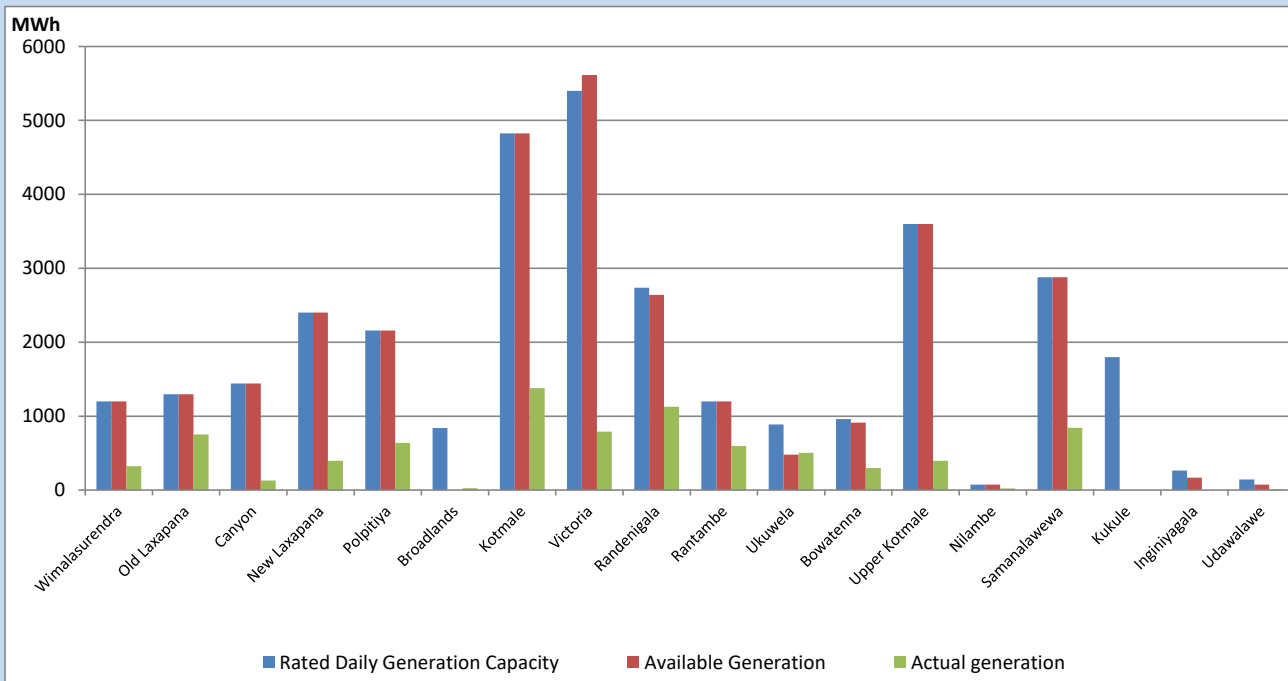


Note- Plant availability is recorded at 6.00 am on

February 6, 2023

Major Hydro Plant Dispatch

February 5, 2023

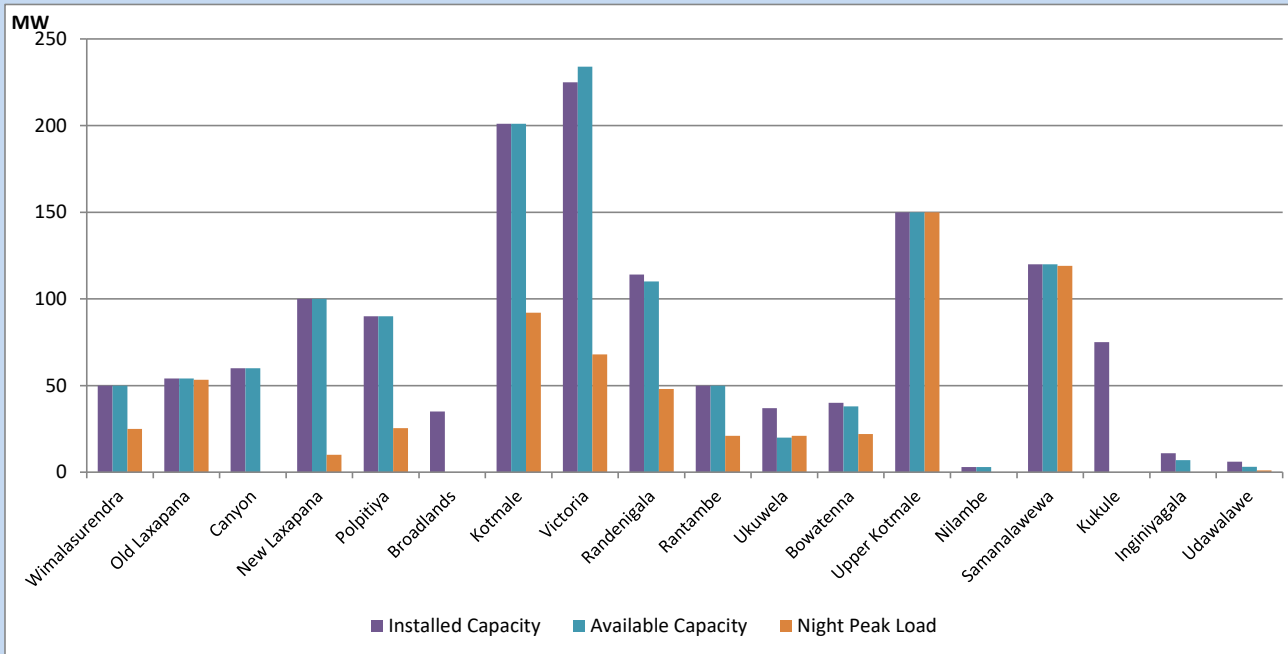


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 6, 2023

Major Hydro Plant Loading at Night Peak

February 5, 2023



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

February 6, 2023

Summary of Major Plant performance

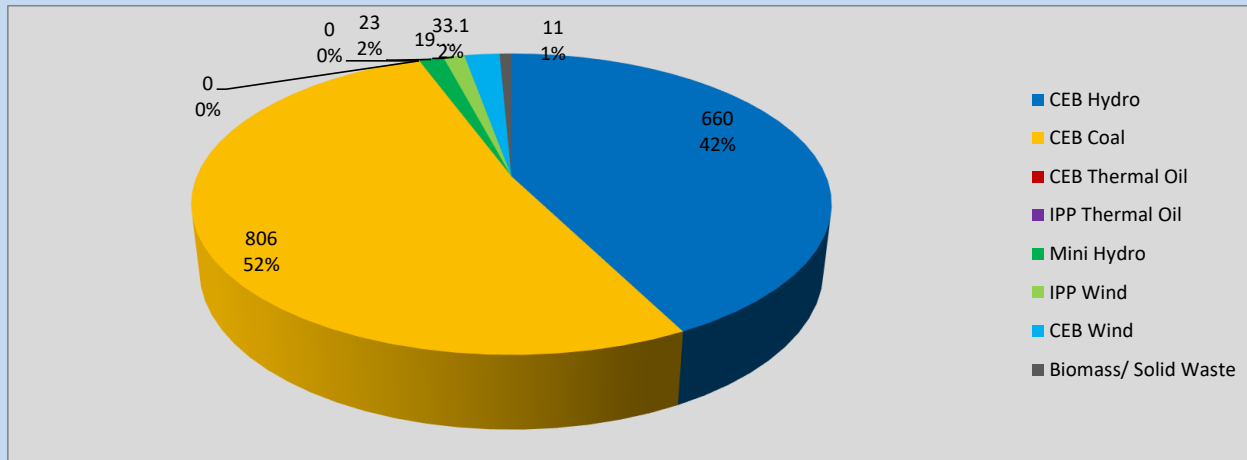
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	323
Old Laxapana	54	54	53	754
Canyon	60	60	0	130
New Laxapana	100	100	10	395
Polpitiya	90	90	25	637
Broadlands	35	0	0	26
Kotmale	201	201	92	1,380
Victoria	225	234	68	792
Randenigala	114	110	48	1,128
Rantambe	50	50	21	596
Ukuwela	37	20	21	502
Bowatenna	40	38	22	300
Upper Kotmale	150	150	150	397
Nilambe	3	3	0	22
Samanalawewa	120	120	119	843
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	13
Puttalam Coal I	270	270	262	5,702
Puttalam Coal II	270	270	270	5,864
Puttalam Coal III	270	270	274	5,956
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	0
Sapugaskanda A	70	32	0	0
Sapugaskanda B	70	63	0	0
Uthura Janani	26	24	0	0
Barge CEB	60	0	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
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,807	1,549	28,805

Plant availability is the availability recorded at 6 am on

February 6, 2023

Contribution to the Night Peak in MW

February 5, 2023

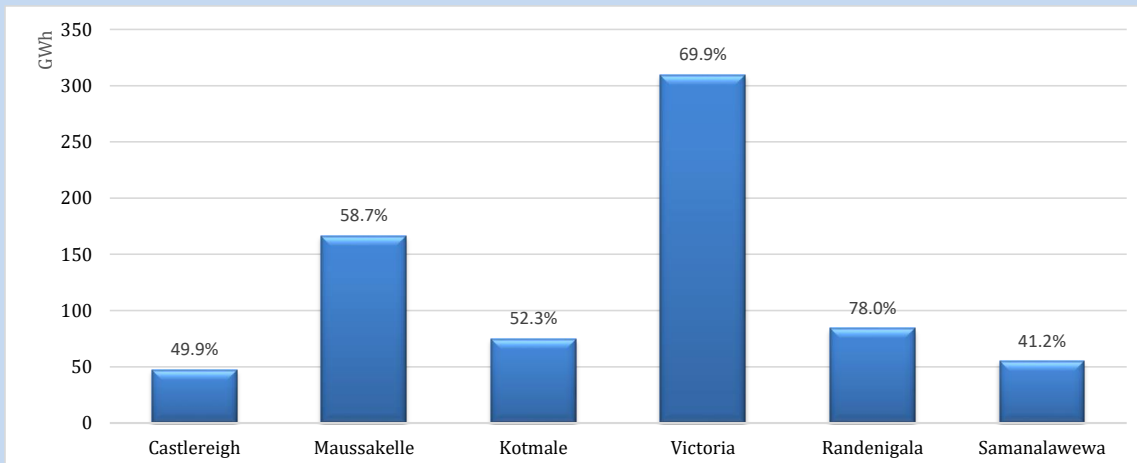


Night Peak*	1,553.2 MW
Day Peak	1,121.0 MW
Minimum Demand	970.6 MW

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

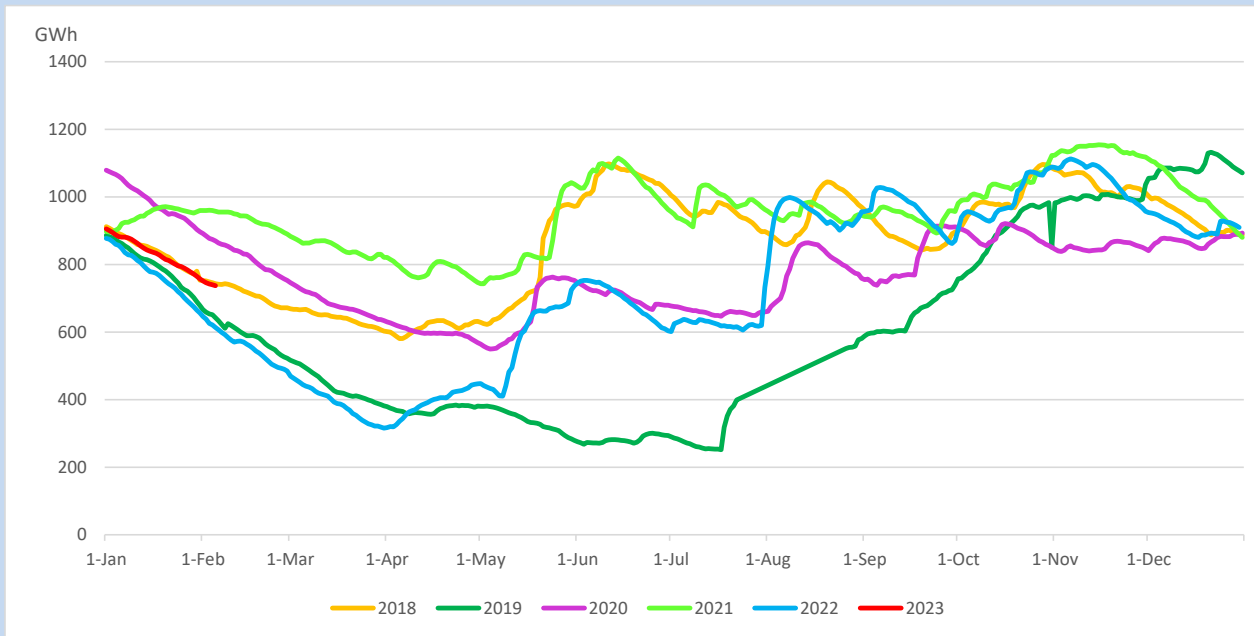
Reservoir Levels -

as at 06.00 Hr on February 6, 2023

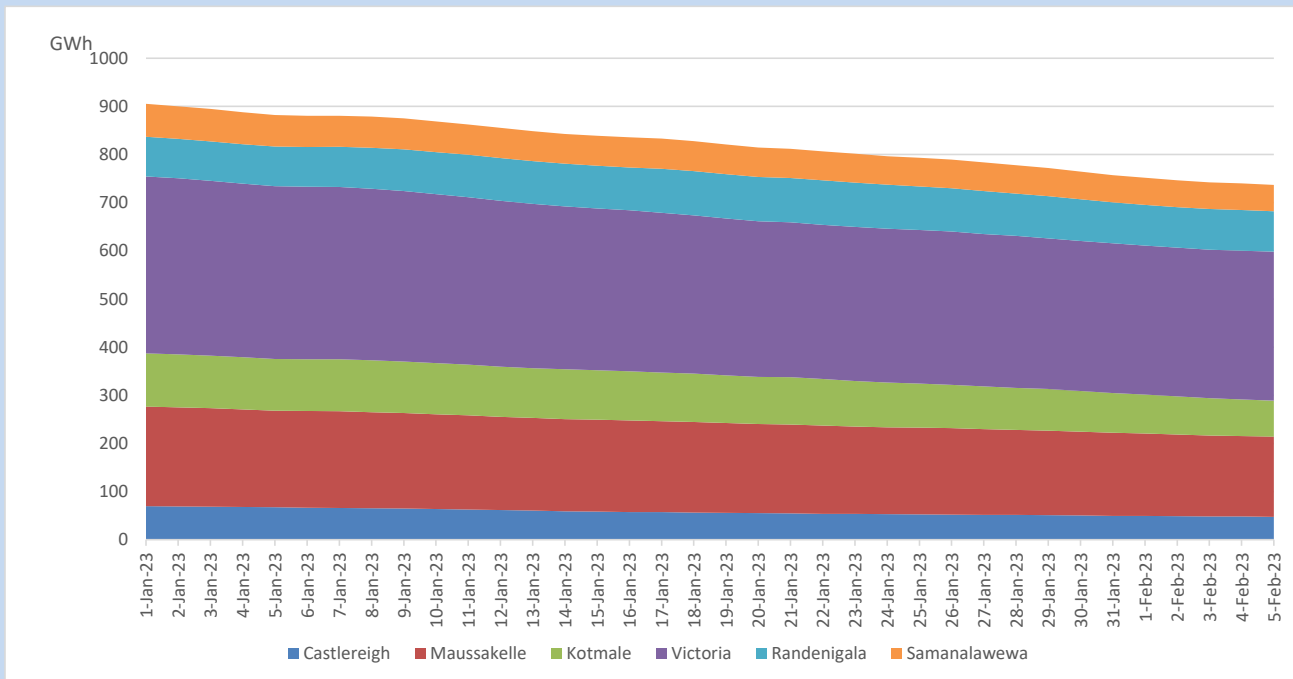


Total Reservoir Level	737.1 GWh
% of Total capacity	61.1%

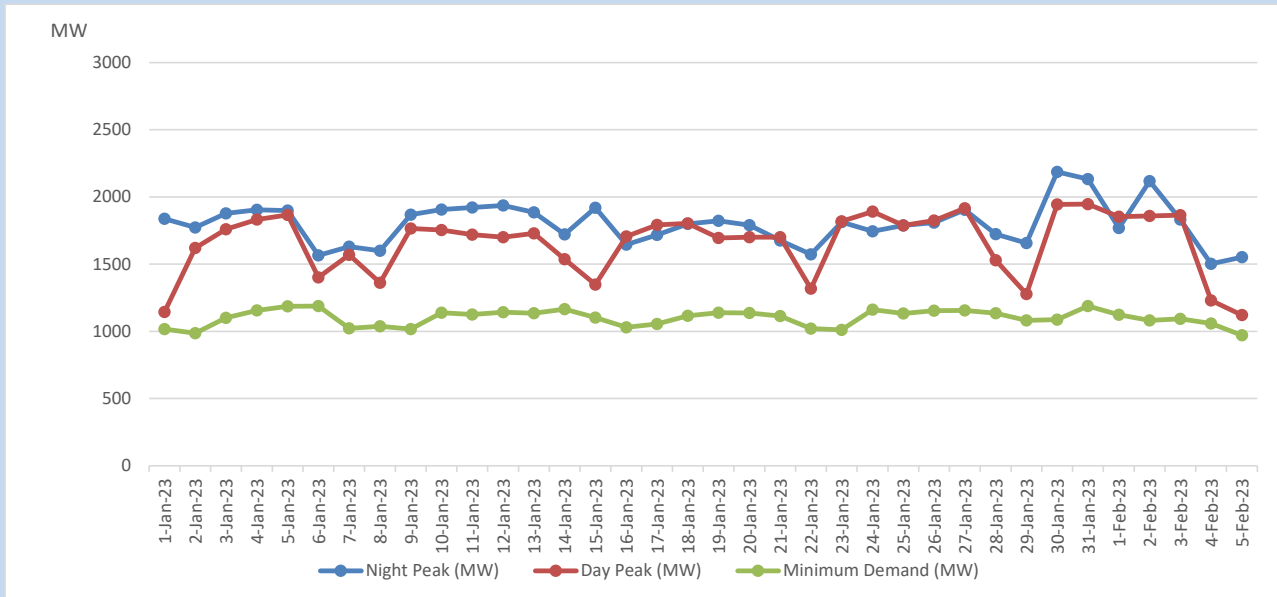
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

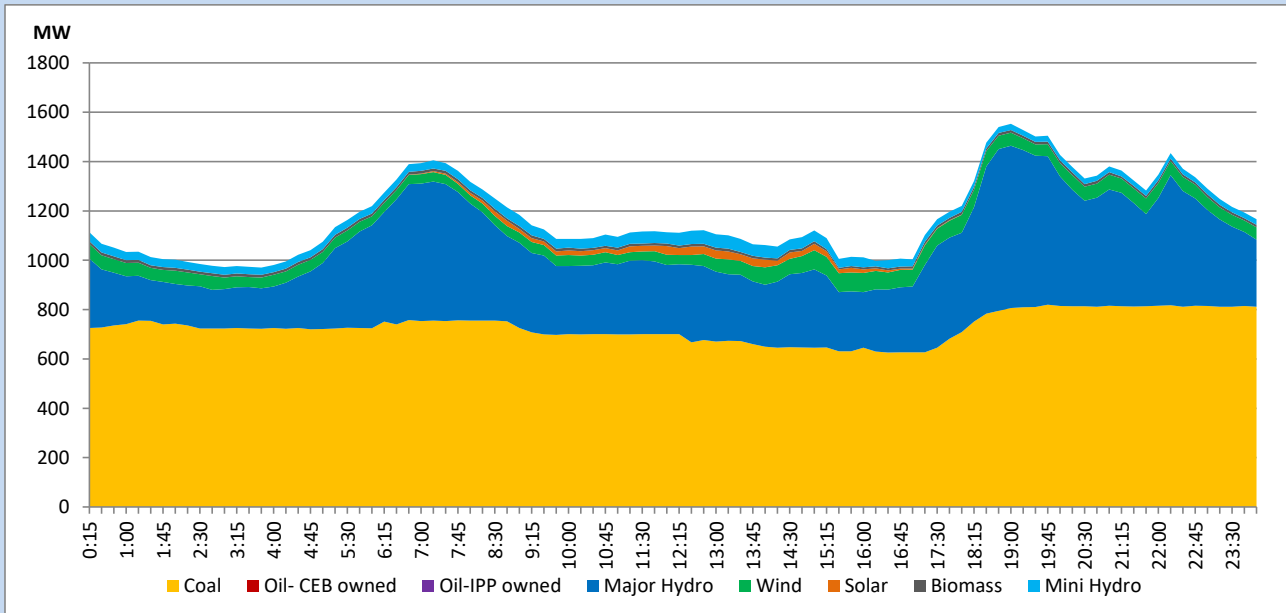


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

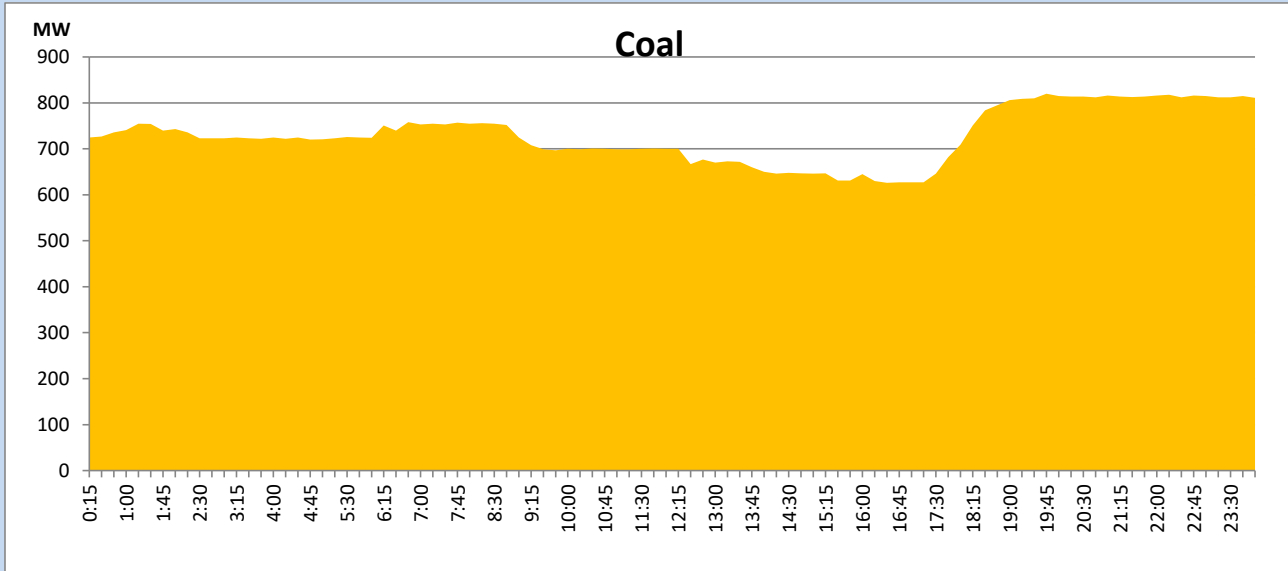
February 5, 2023

Solar and wind data is based on Telemetered Power Stations only



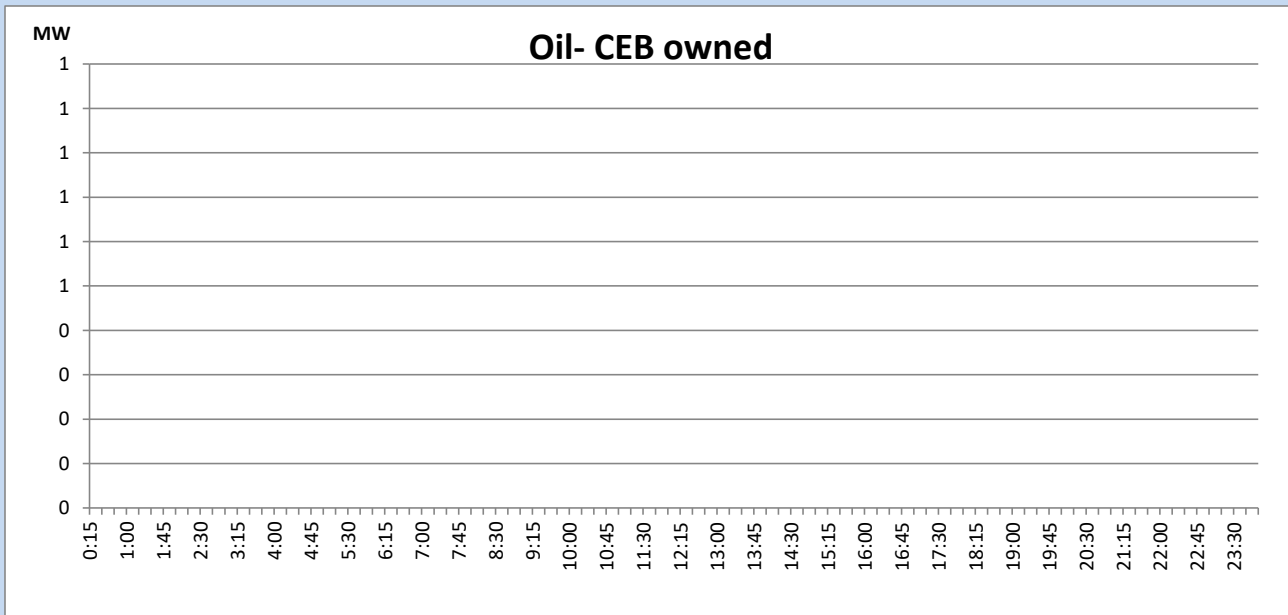
Coal Generation during

February 5, 2023



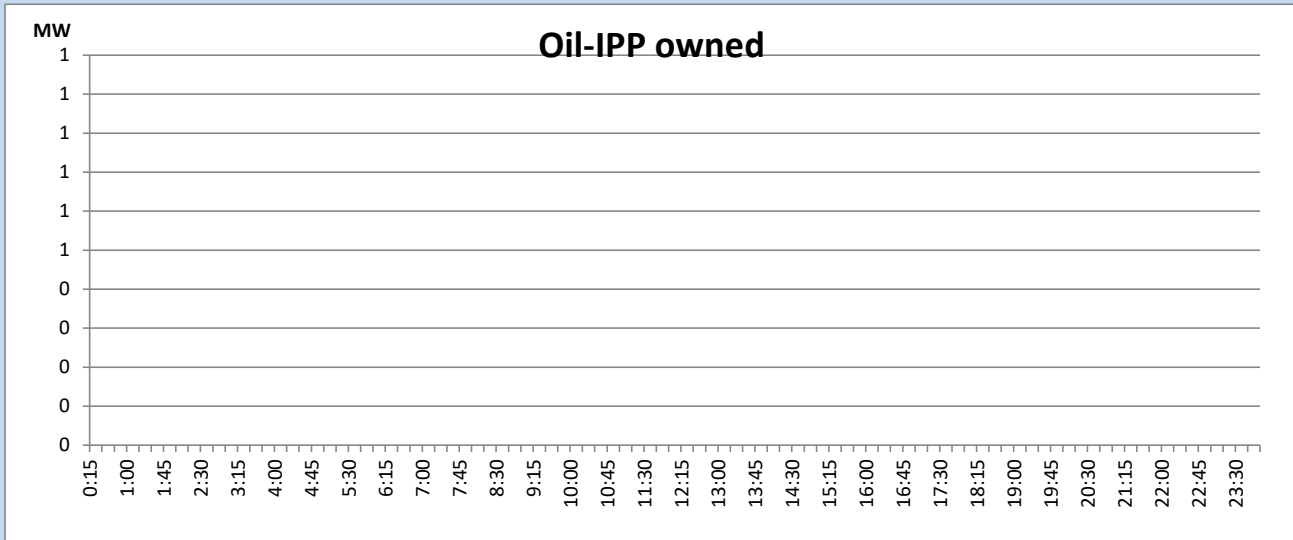
CEB Oil Plant Generation during

February 5, 2023



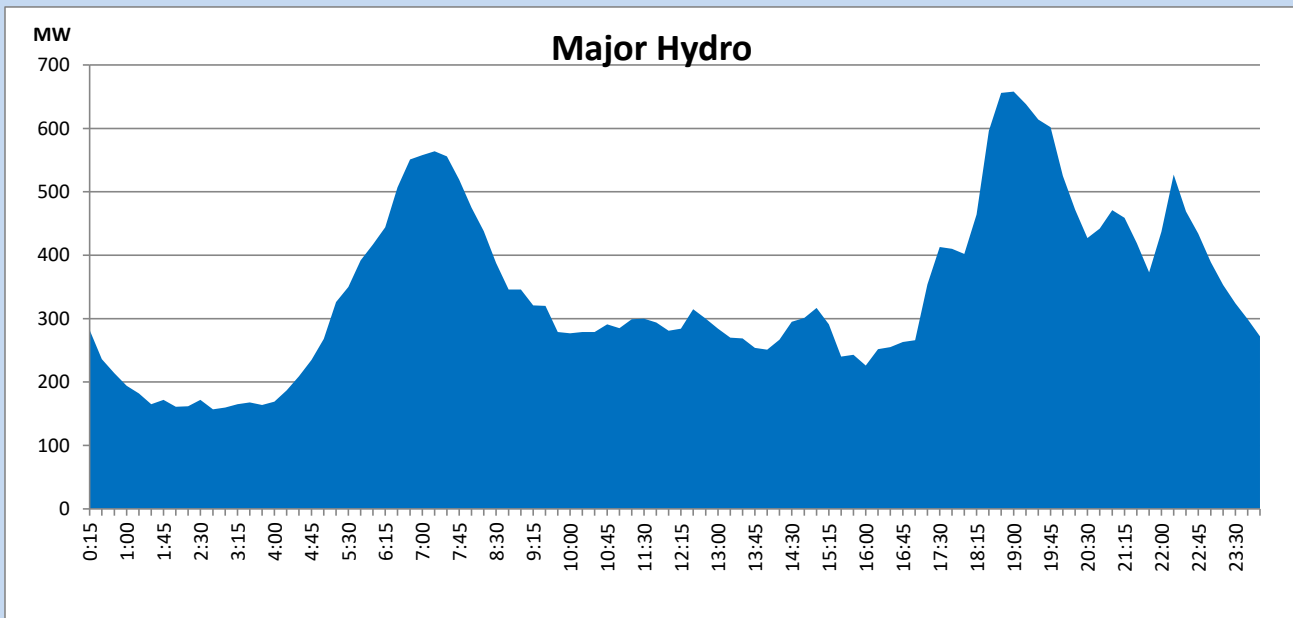
IPP Oil Plant Generation during

February 5, 2023



Major Hydro Generation during

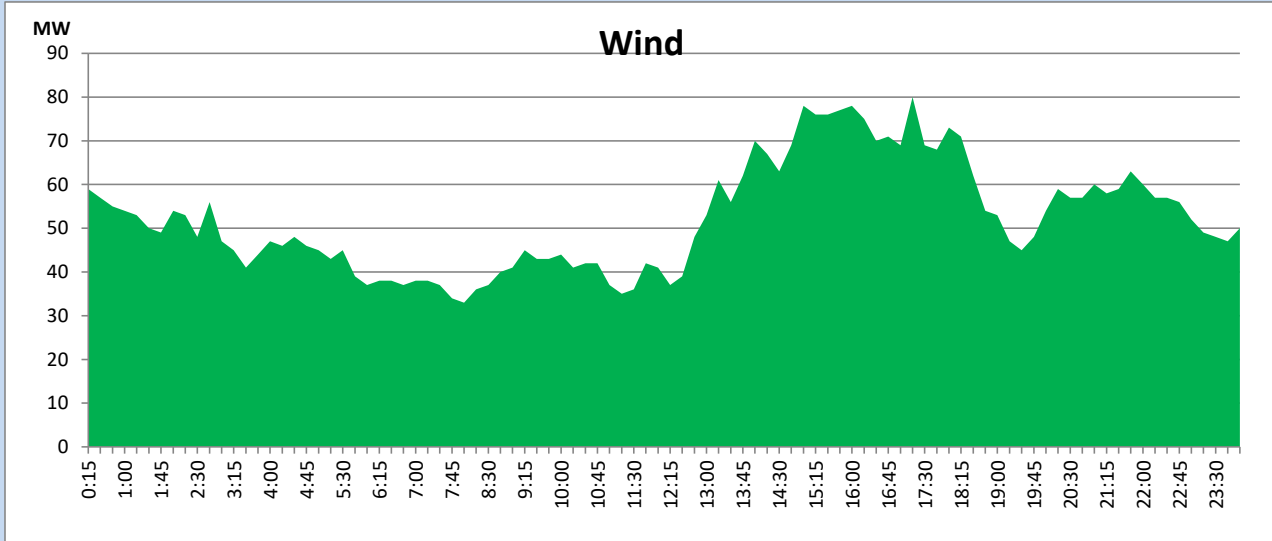
February 5, 2023



Wind Generation during

February 5, 2023

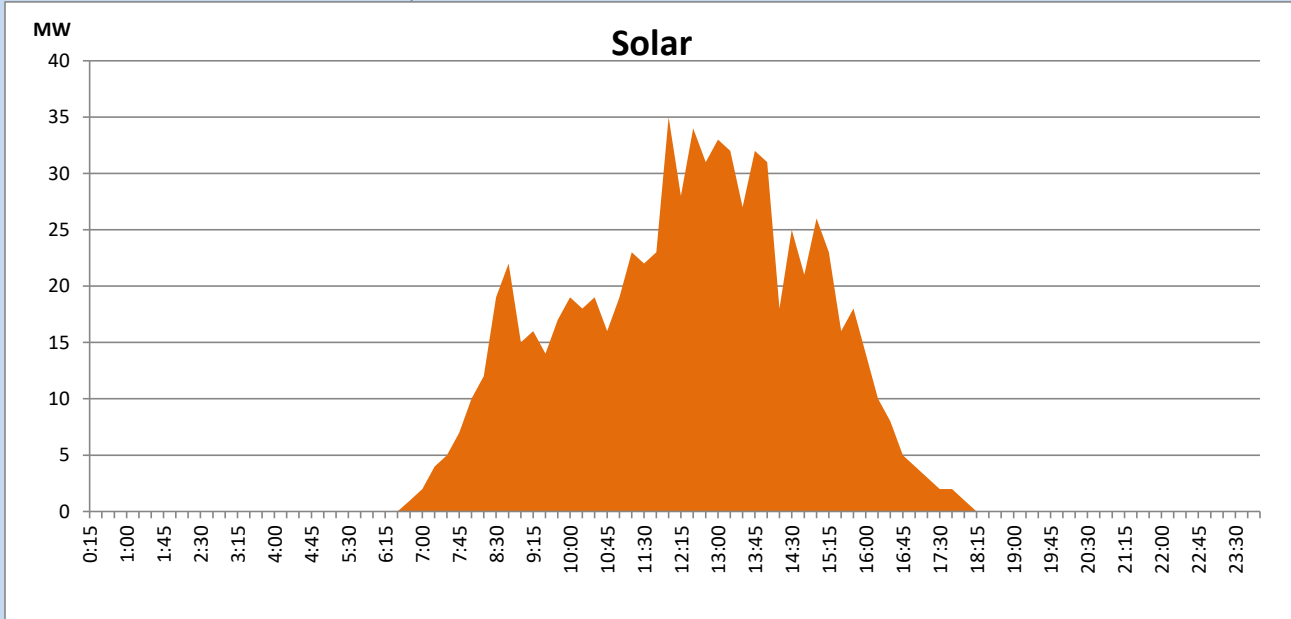
Based on Telemetered Power Stations only



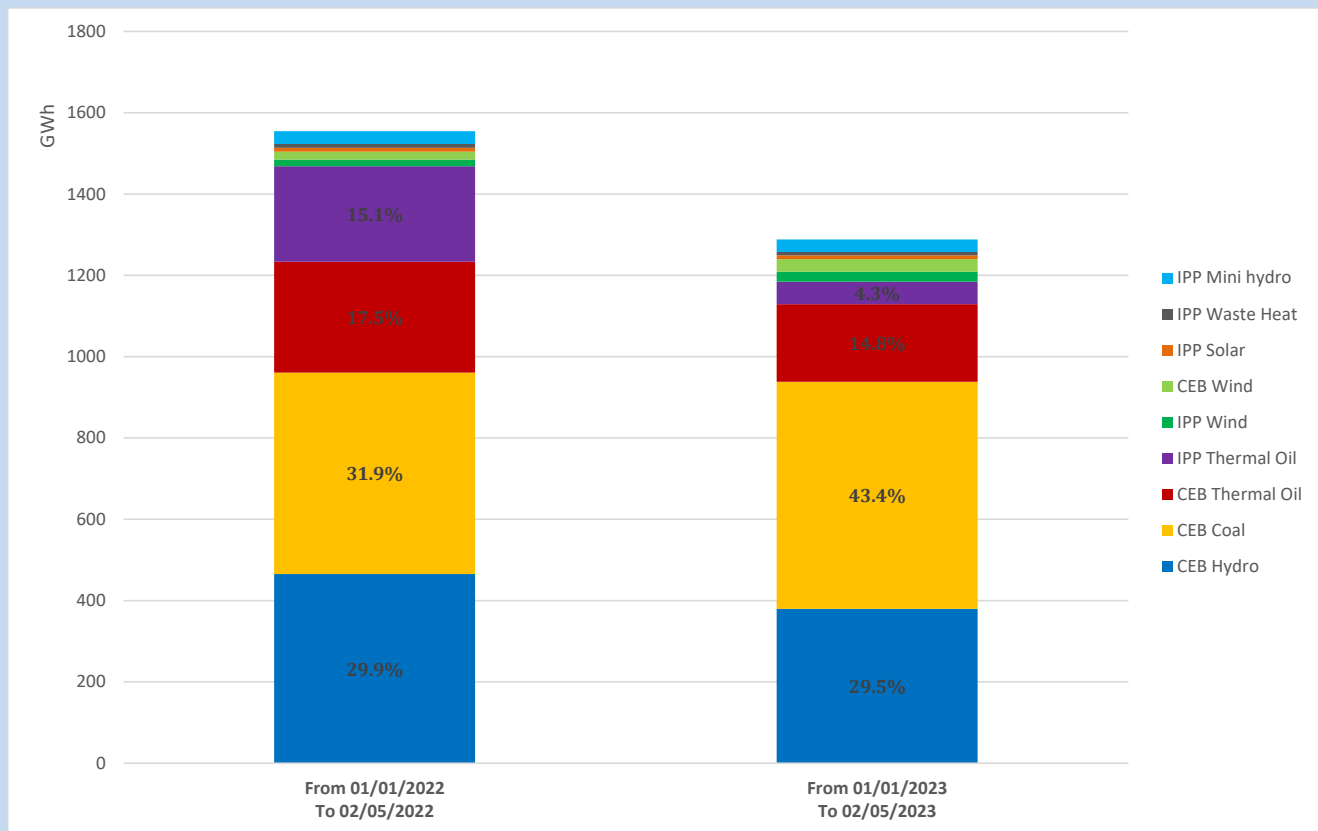
Solar Generation during

February 5, 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

February 5, 2023

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