

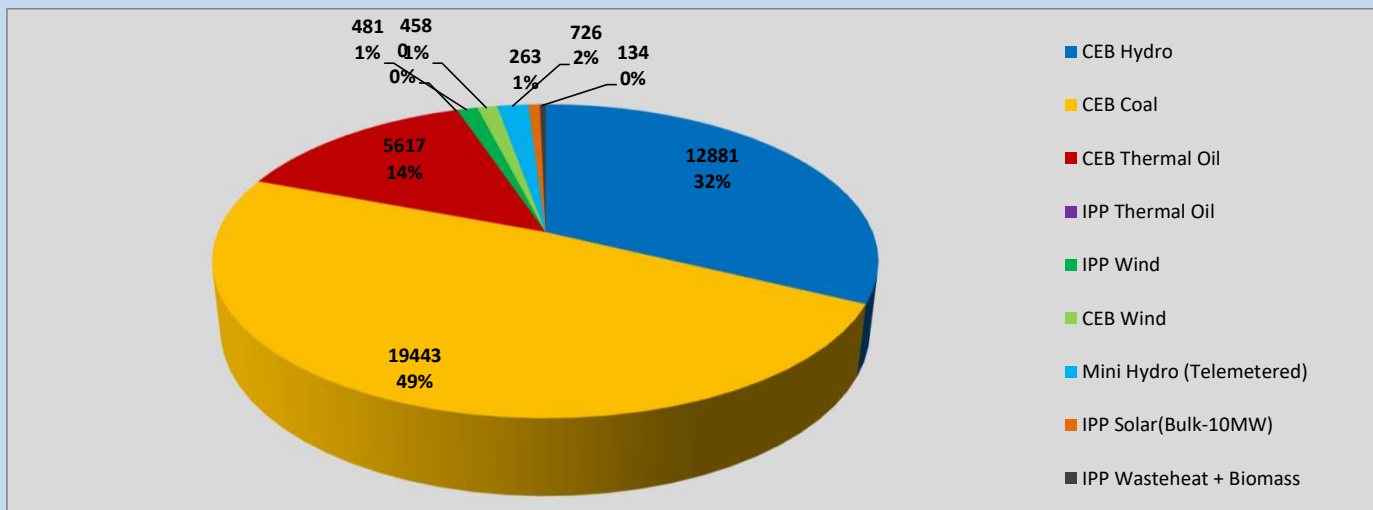
Generation and Reservoirs Statistics

January 30, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,003 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.0 GWh

Estimated Mini Hydro (Non telemetered) = 1794 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

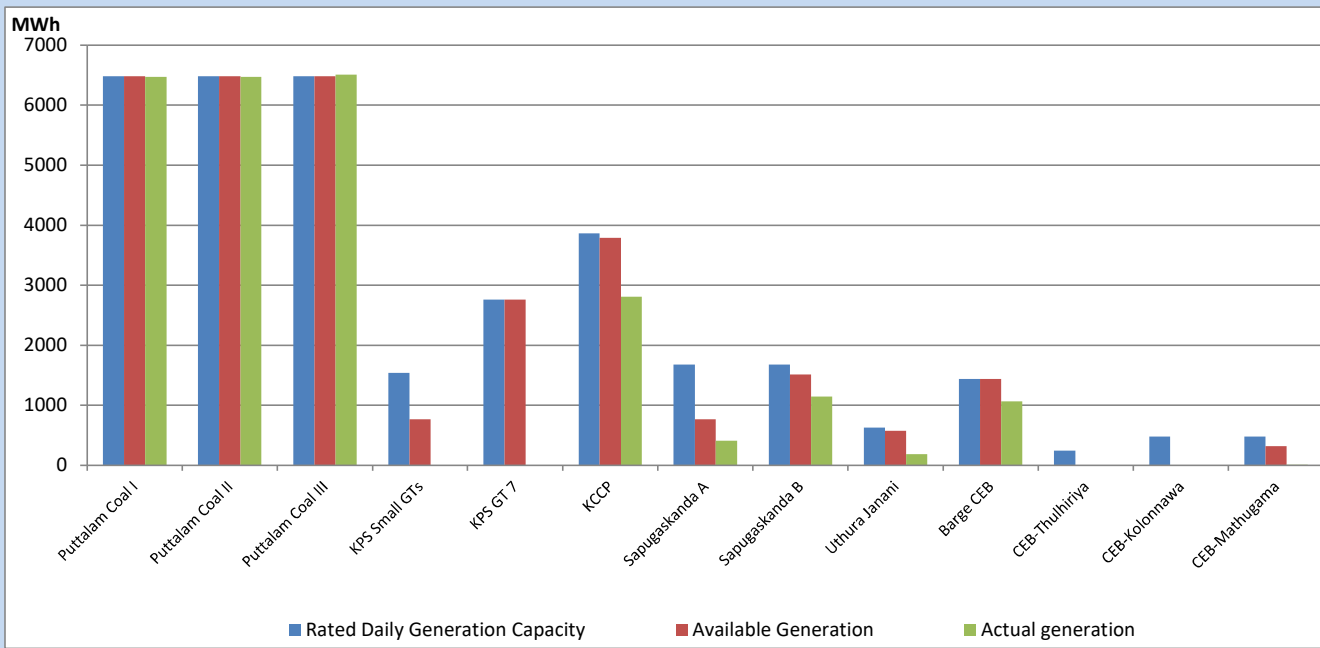
Category	Dispatch (GWh)	Percentage
CEB Hydro	317	29.56%
CEB Coal	448	41.71%
CEB Thermal Oil	166	15.47%
IPP Thermal	56	5.20%
SPP Wind	20	1.89%
CEB Wind	24	2.24%
Mini Hydro (Telemetered)	27	2.47%
IPP Solar (Bulk-10MW)	8	0.76%
IPP Wasteheat + BMP	7	0.69%
Total	1,074	

For Current Year

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CEB owned Thermal Plant Dispatch

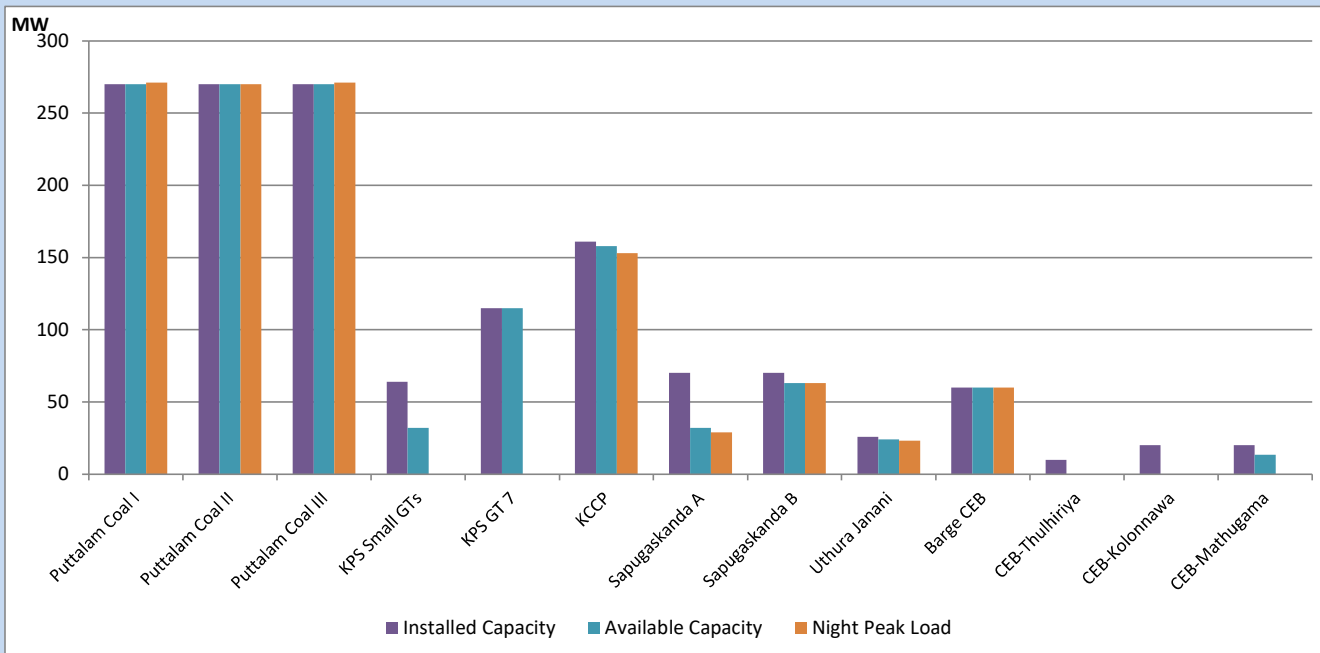
January 30, 2023



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

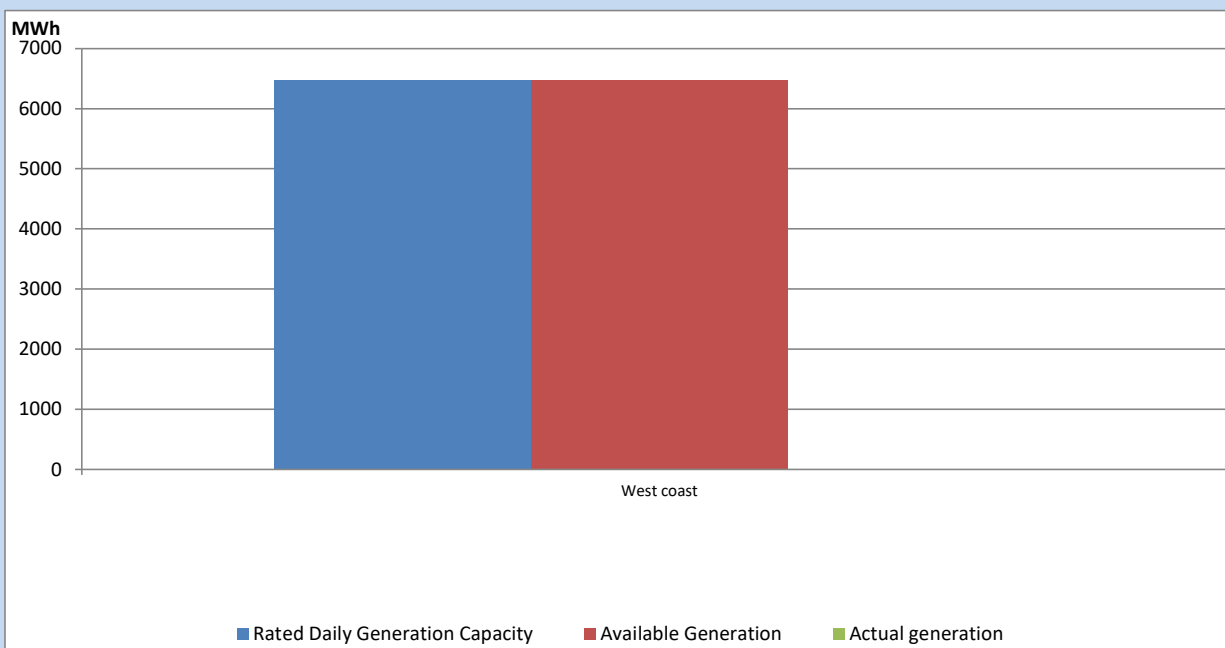
January 31, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

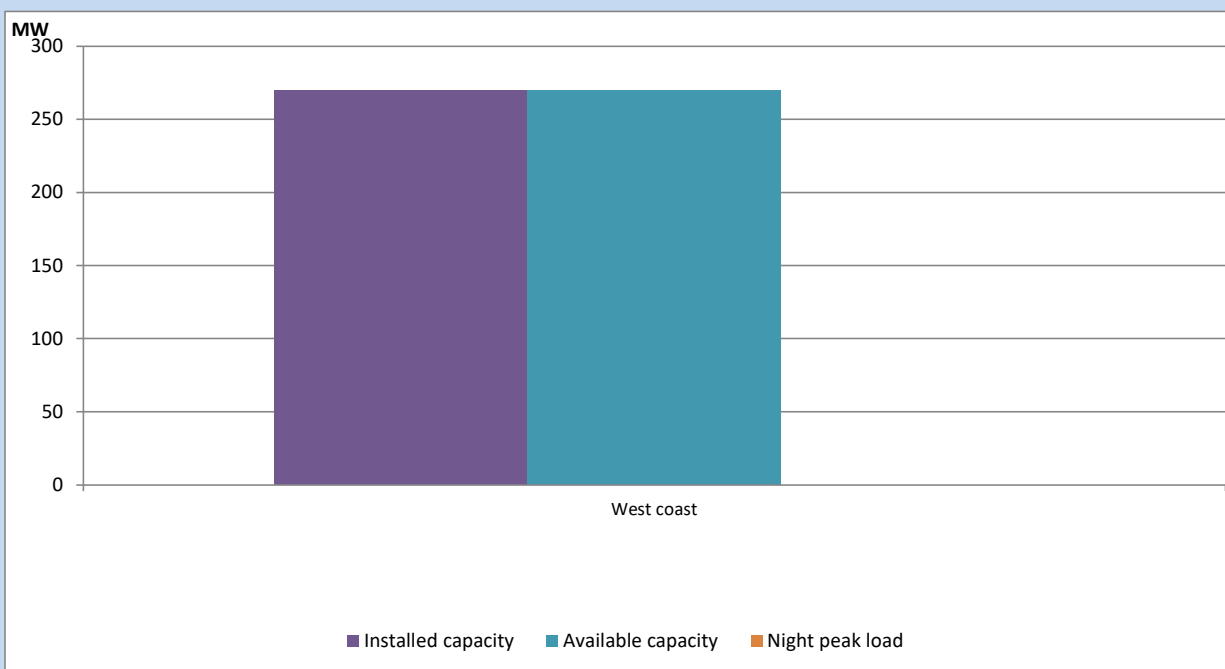
January 31, 2023



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

January 31, 2023

IPP owned Thermal Plant Loading at the Night Peak

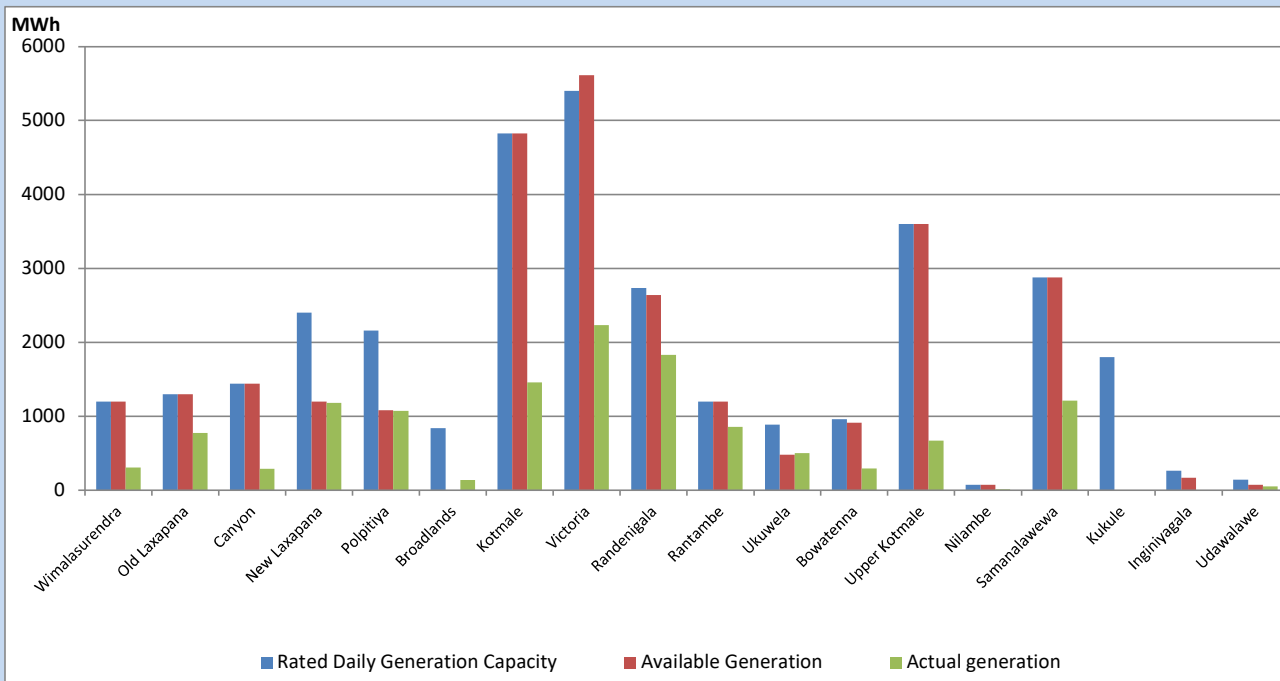


Note- Plant availability is recorded at 6.00 am on

January 31, 2023

Major Hydro Plant Dispatch

January 30, 2023

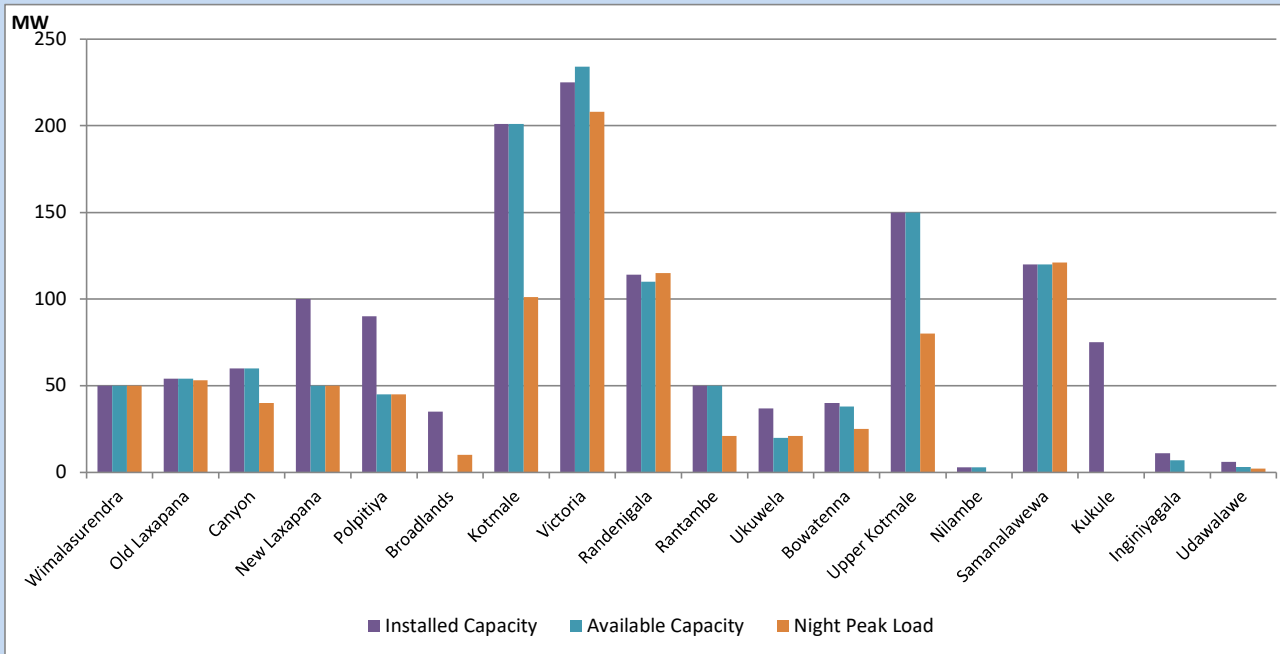


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 31, 2023

Major Hydro Plant Loading at Night Peak

January 30, 2023



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

January 31, 2023

Summary of Major Plant performance

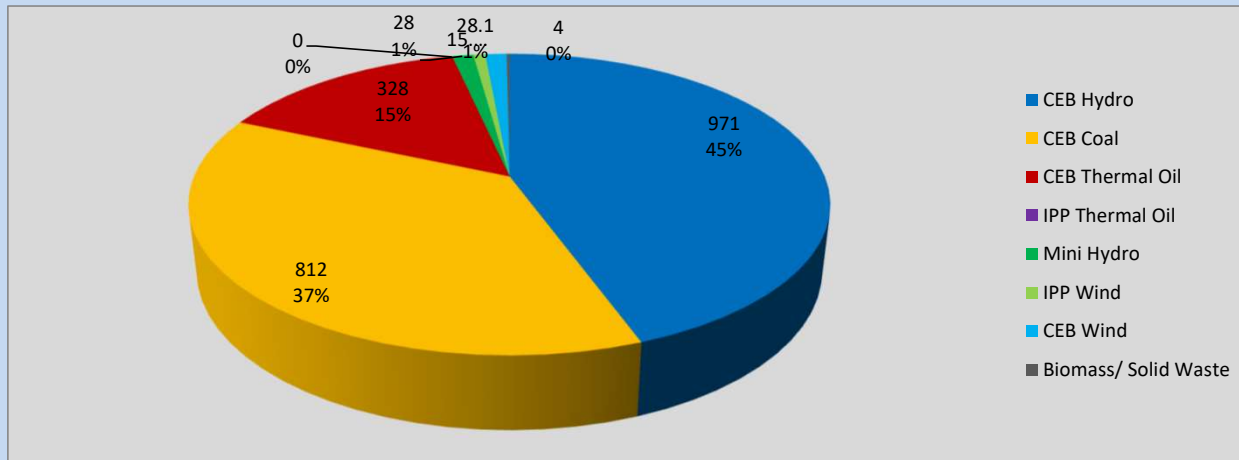
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	307
Old Laxapana	54	54	53	772
Canyon	60	60	40	287
New Laxapana	100	50	50	1,183
Polpitiya	90	45	45	1,073
Broadlands	35	0	10	139
Kotmale	201	201	101	1,460
Victoria	225	234	208	2,236
Randenigala	114	110	115	1,831
Rantambe	50	50	21	855
Ukuwela	37	20	21	502
Bowatenna	40	38	25	295
Upper Kotmale	150	150	80	668
Nilambe	3	3	0	12
Samanalawewa	120	120	121	1,211
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	2	50
Puttalam Coal I	270	270	271	6,468
Puttalam Coal II	270	270	270	6,470
Puttalam Coal III	270	270	271	6,505
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	153	2,808
Sapugaskanda A	70	32	29	407
Sapugaskanda B	70	63	63	1,145
Uthura Janani	26	24	23	185
Barge CEB	60	60	60	1,066
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	6
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	2,772	2,158	40,003

Plant availability is the availability recorded at 6 am on

January 31, 2023

Contribution to the Night Peak in MW

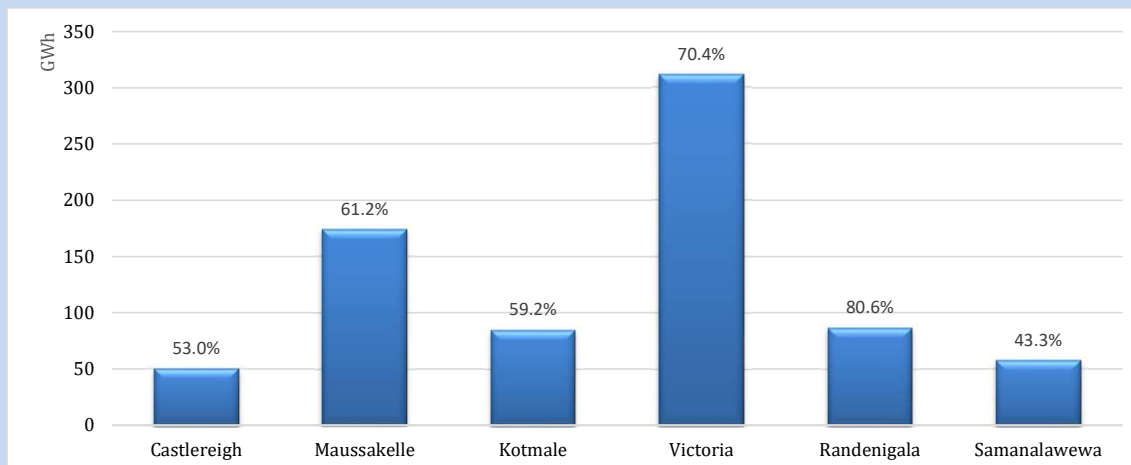
January 30, 2023



Night Peak*	2,186.9 MW
Day Peak	1,944.5 MW
Minimum Demand	1,087.3 MW

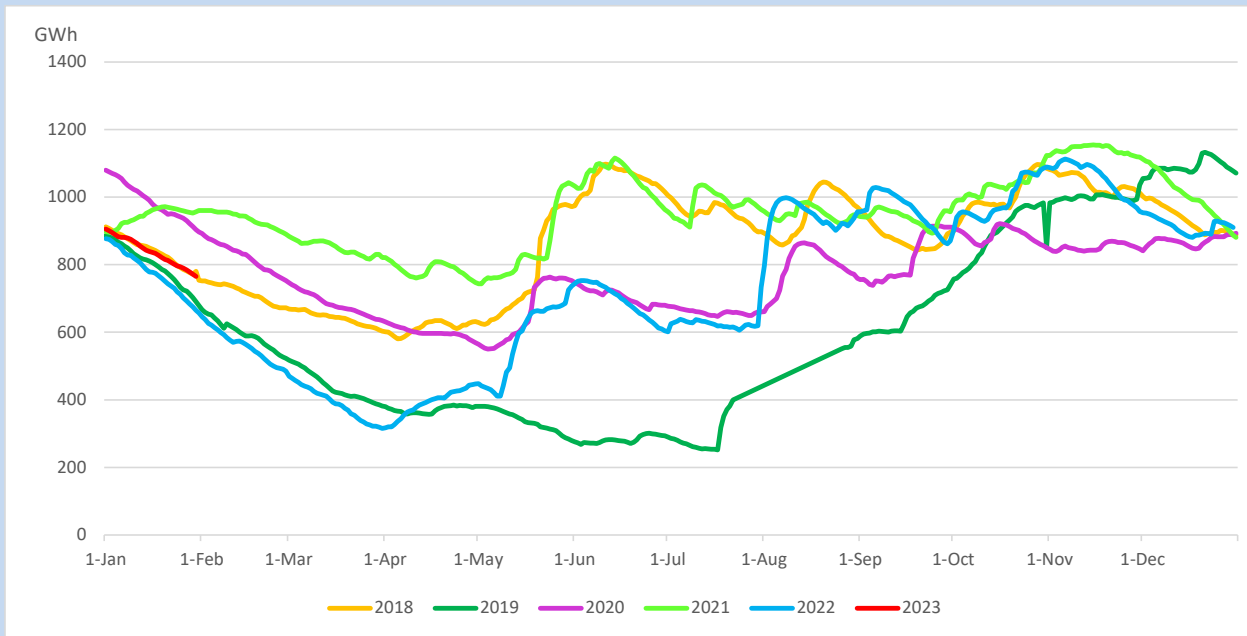
Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Reservoir Levels - as at 06.00 Hr on January 31, 2023

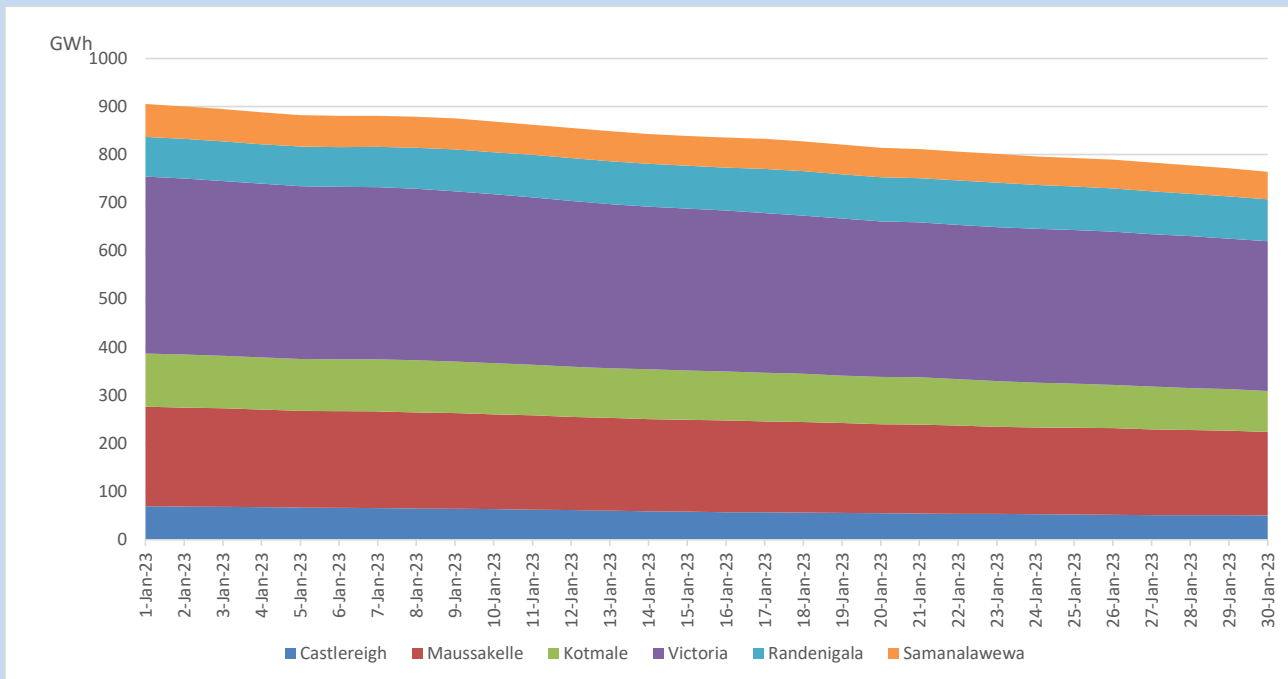


Total Reservoir Level	764.7 GWh
% of Total capacity	63.4%

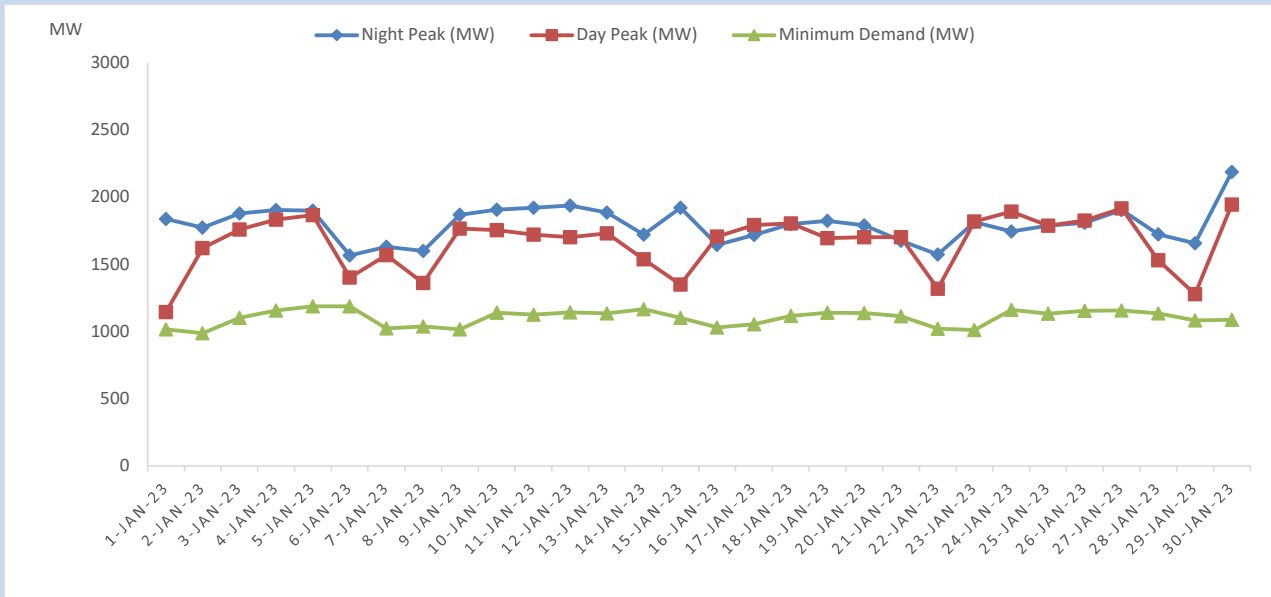
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

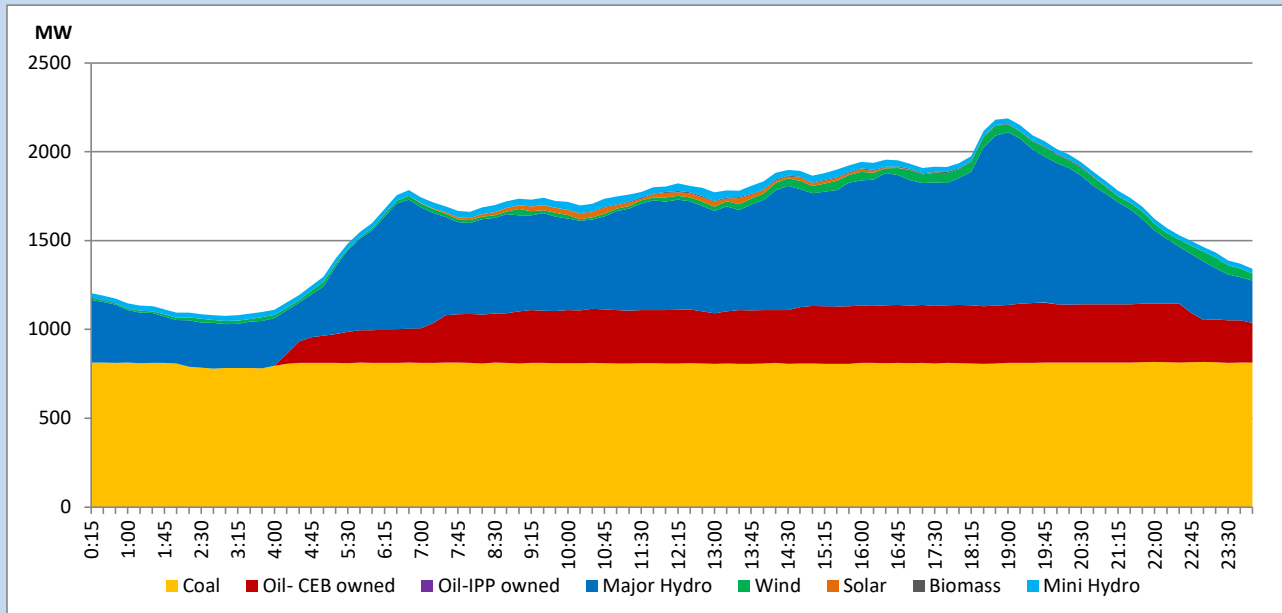


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve of the day

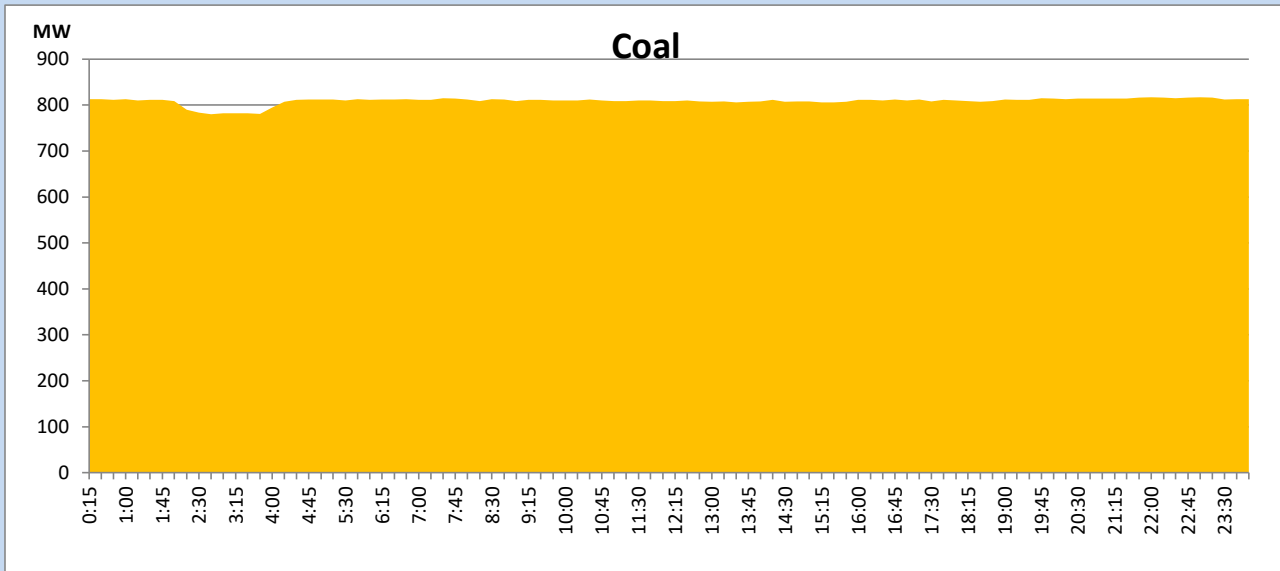
January 30, 2023

Solar and wind data is based on Telemetered Power Stations only



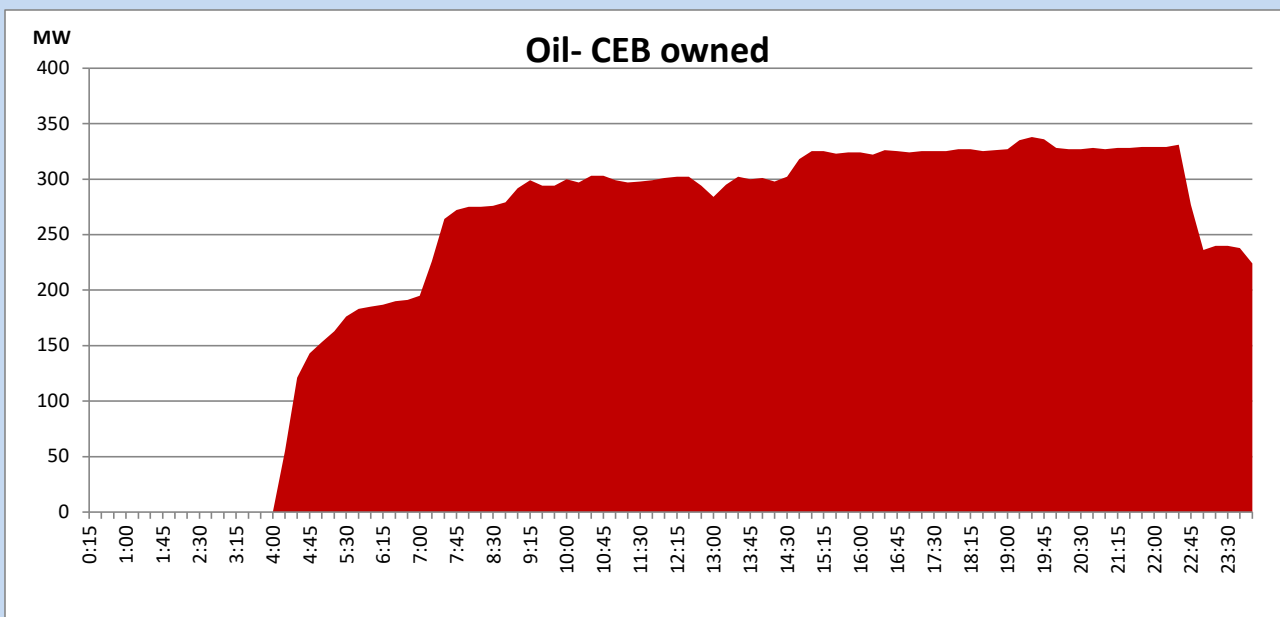
Coal Generation during the day

January 30, 2023



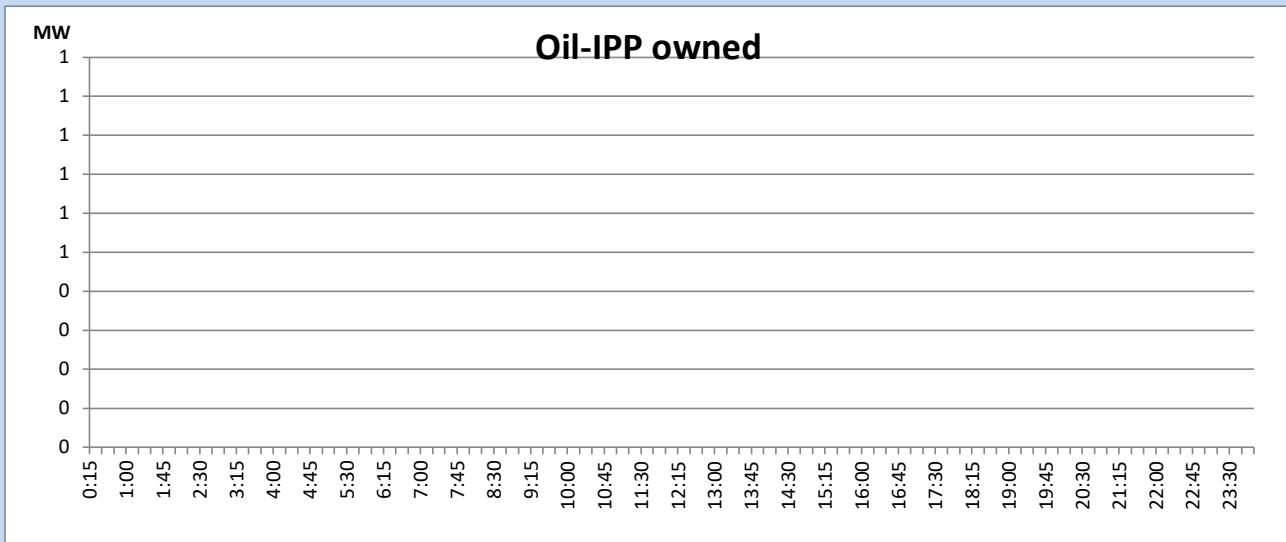
CEB Oil Plant Generation during the day

January 30, 2023



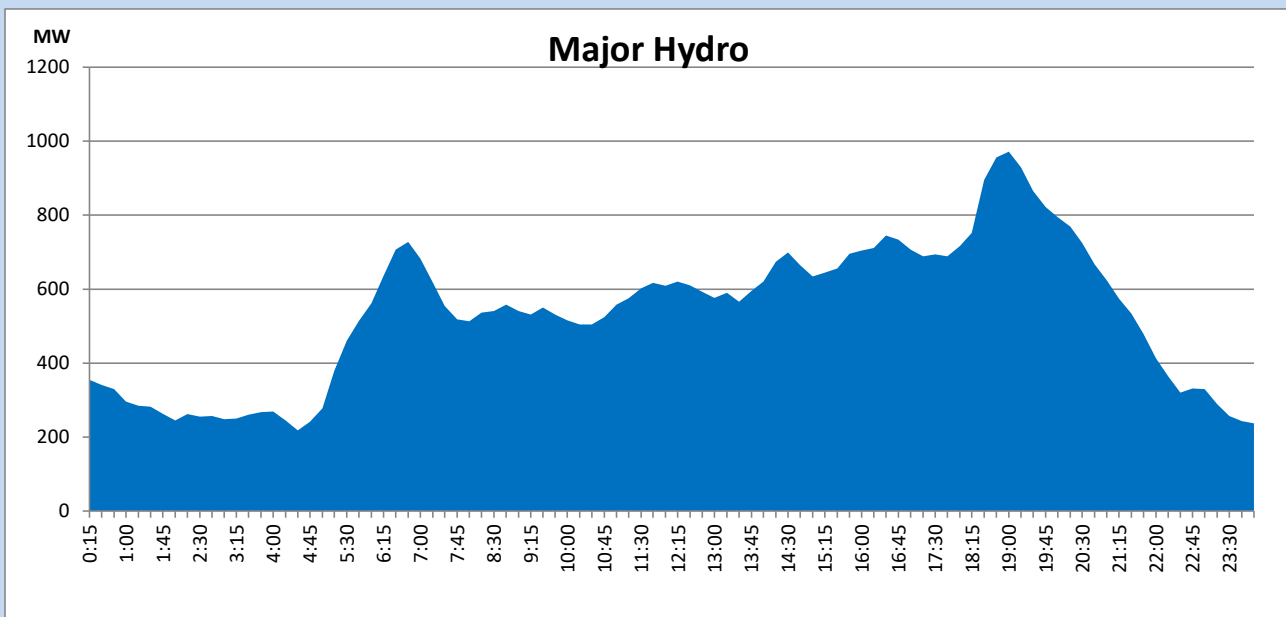
IPP Oil Plant Generation during the day

January 30, 2023



Major Hydro Generation during the day

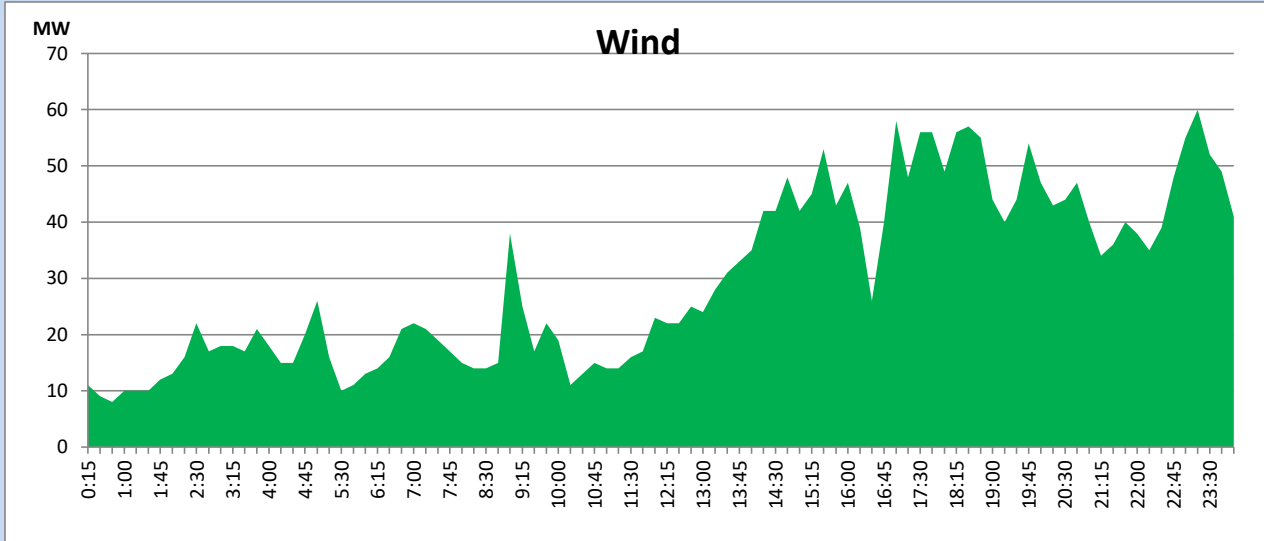
January 30, 2023



Wind Generation during the day

January 30, 2023

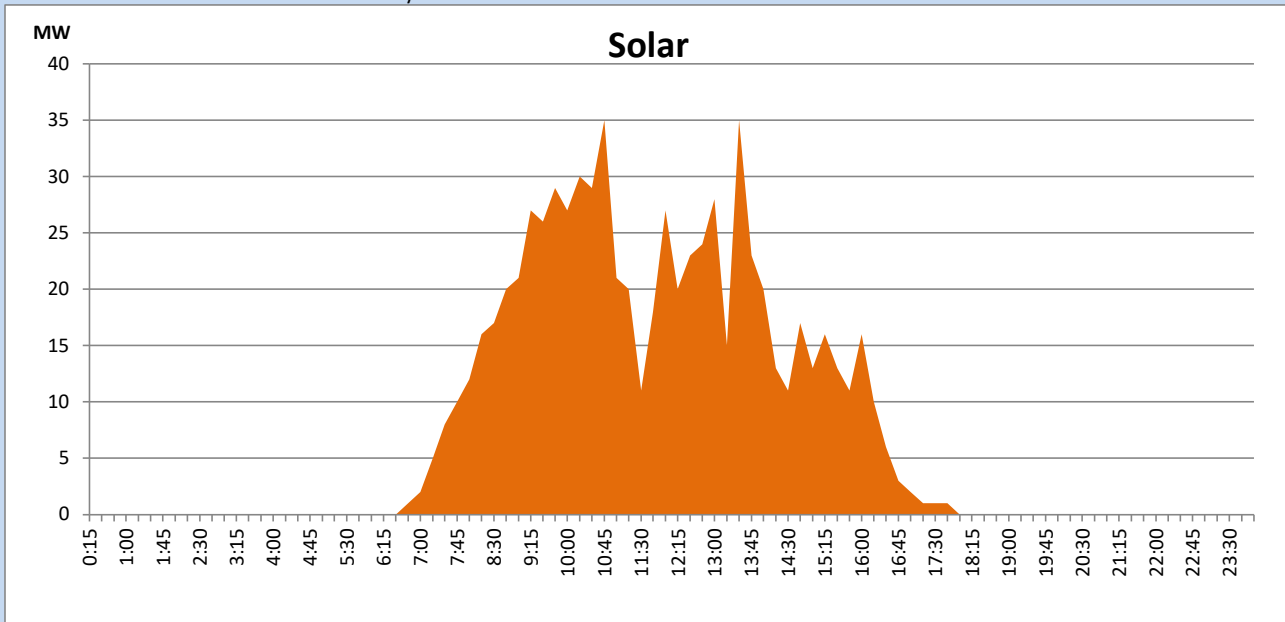
Based on Telemetered Power Stations only



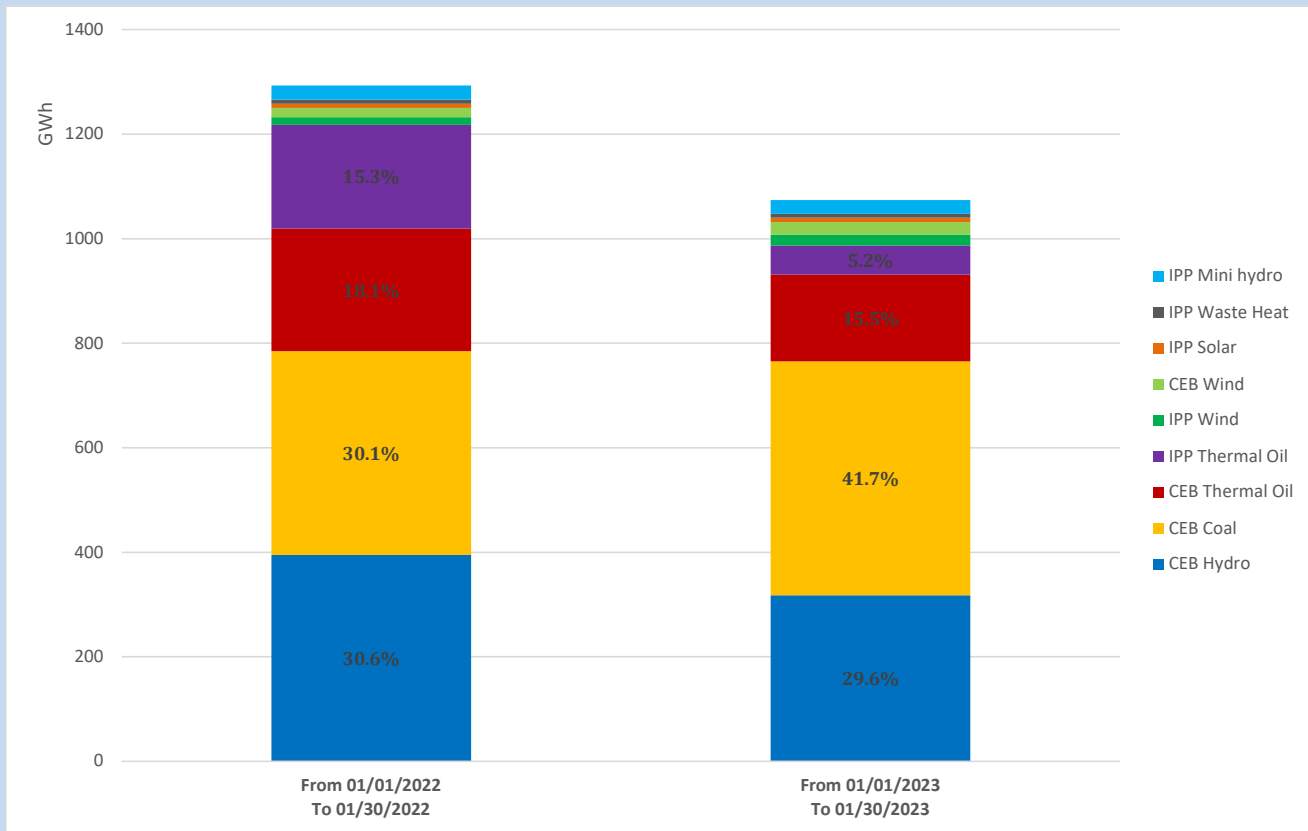
Solar Generation during the day

January 30, 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 30, 2023

- 1) New Anuradhapura – Trinco 132kV cct tripped and A/R from both ends at 00:07hrs due to the operation of differential protection.