

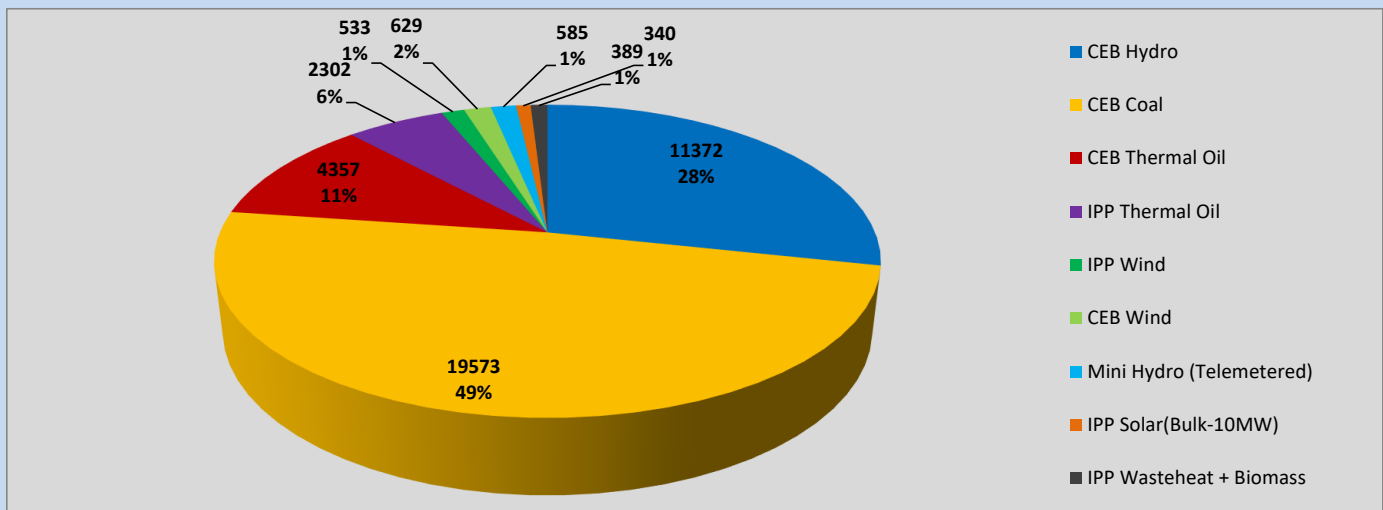
Generation and Reservoirs Statistics

February 10, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,080 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 2.1 GWh

Estimated Mini Hydro (Non telemetered) = 1295 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

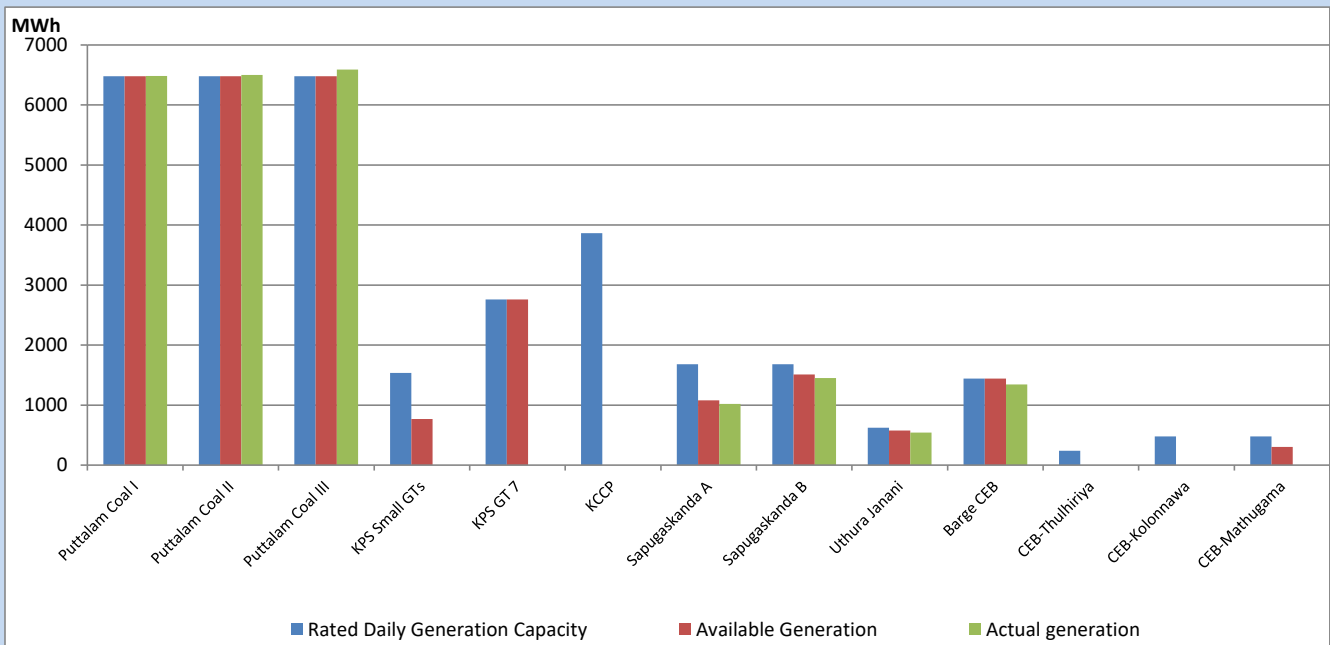
Category	Dispatch (GWh)	Percentage
CEB Hydro	108	29.33%
CEB Coal	189	51.05%
CEB Thermal Oil	42	11.42%
IPP Thermal	5	1.25%
SPP Wind	6	1.55%
CEB Wind	8	2.14%
Mini Hydro (Telemetered)	6	1.71%
IPP Solar (Bulk-10MW)	3	0.73%
IPP Wasteheat + BMP	3	0.83%
Total	369	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	438	29.53%
CEB Coal	656	44.17%
CEB Thermal Oil	215	14.48%
IPP Thermal	60	4.07%
SPP Wind	27	1.80%
CEB Wind	33	2.23%
Mini Hydro (Telemetered)	33	2.26%
IPP Solar (Bulk-10MW)	11	0.74%
IPP Wasteheat	11	0.72%
Total	1,484	

CEB owned Thermal Plant Dispatch

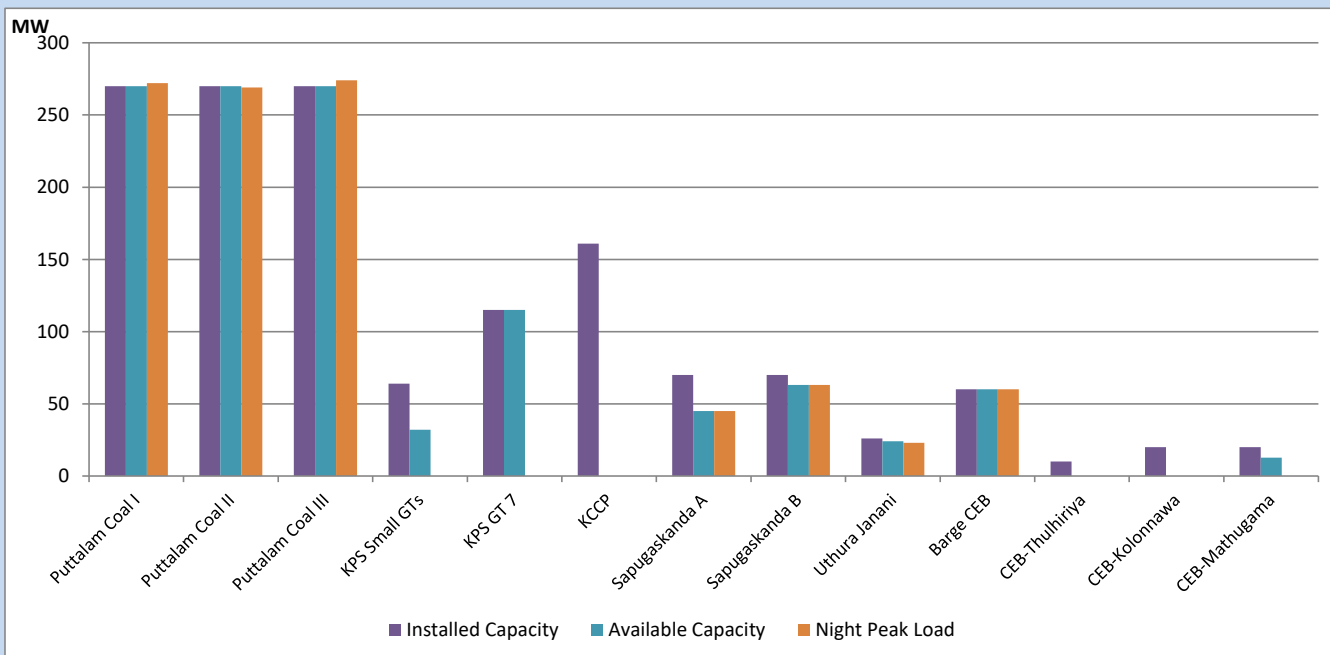
February 10, 2023



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

February 11, 2023

CEB owned Thermal Plant Loading at the Night Peak

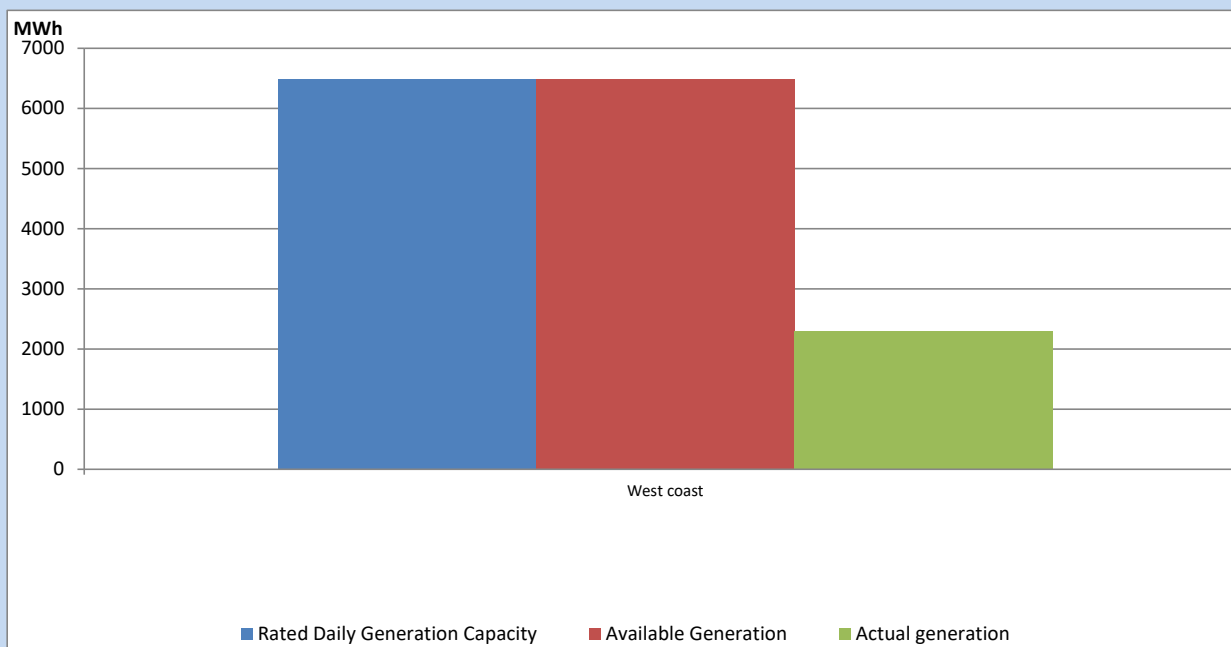


Note- Plant availability is recorded at 6.00 am on

February 11, 2023

IPP owned Thermal Plant Dispatch

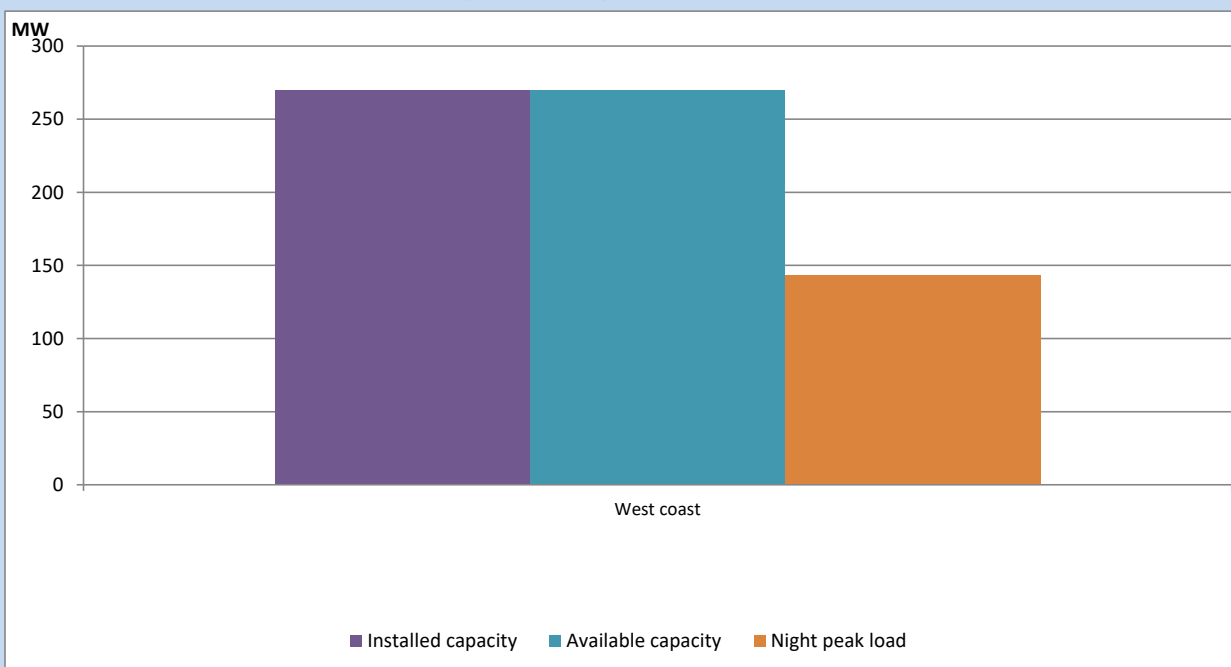
February 10, 2023



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

February 11, 2023

IPP owned Thermal Plant Loading at the Night Peak

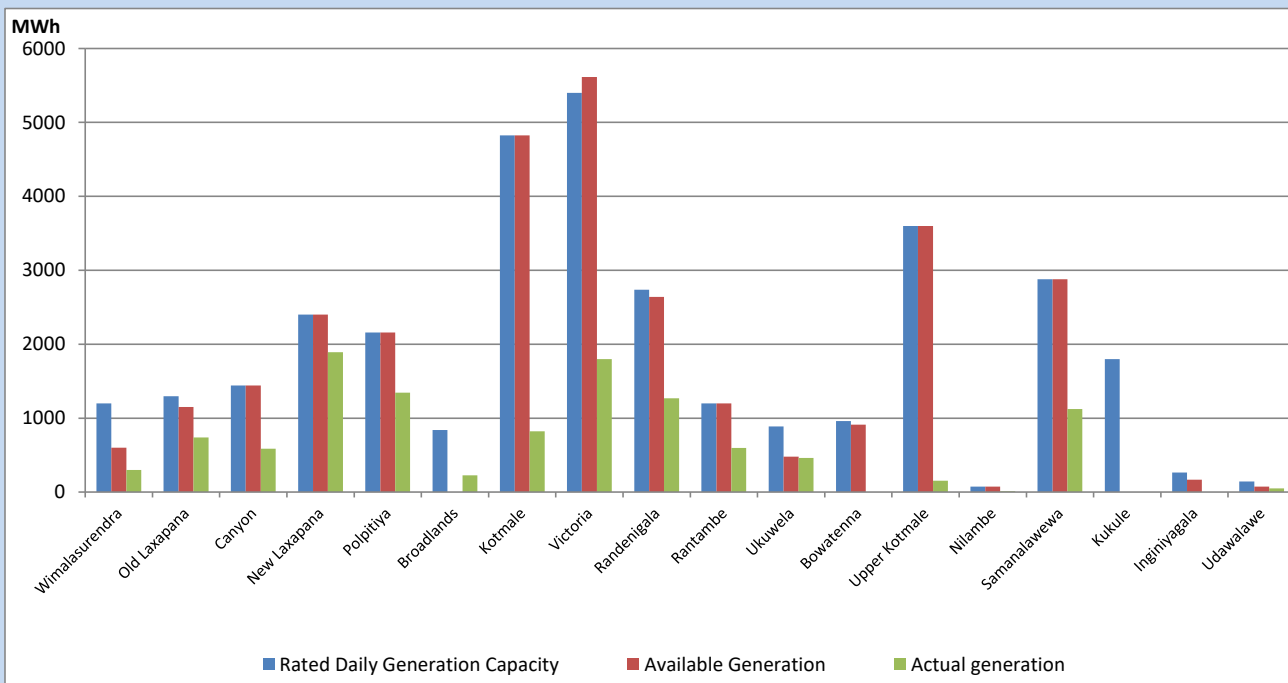


Note- Plant availability is recorded at 6.00 am on

February 11, 2023

Major Hydro Plant Dispatch

February 10, 2023

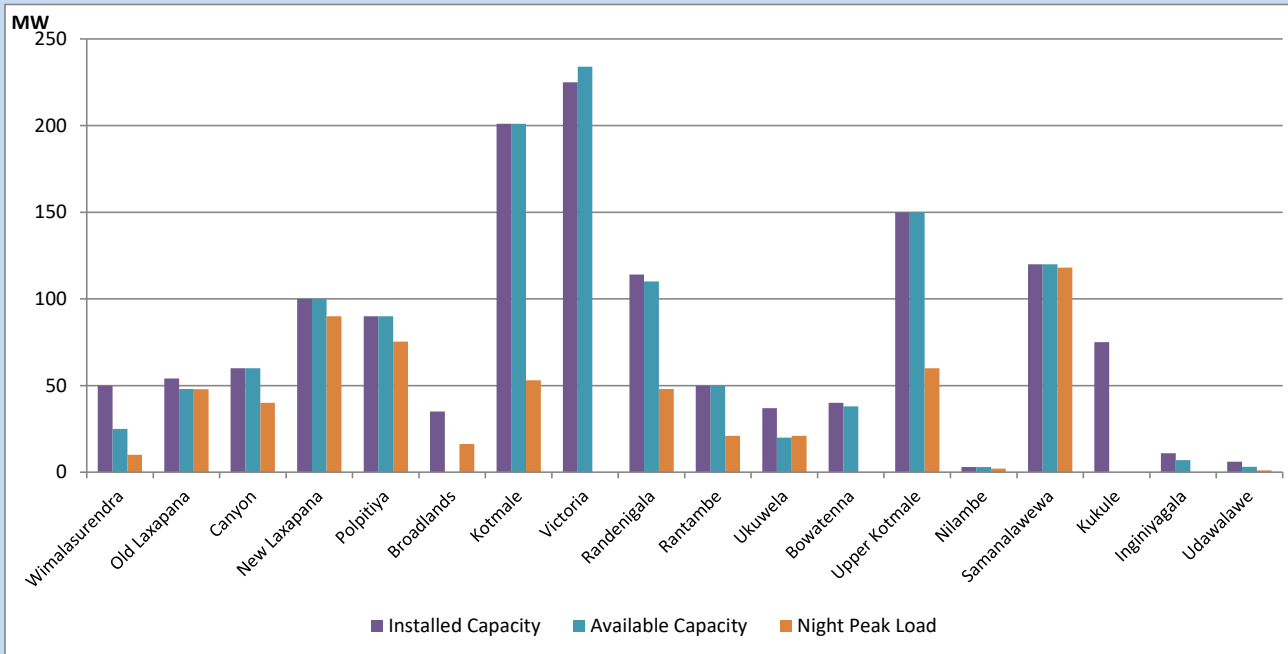


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 11, 2023

Major Hydro Plant Loading at Night Peak

February 10, 2023



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

February 11, 2023

Summary of Major Plant performance

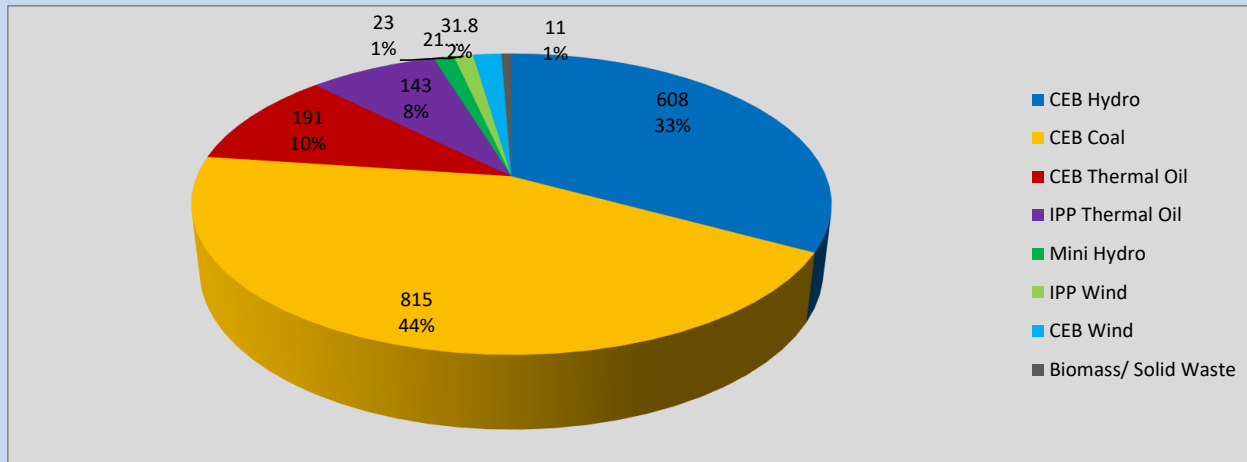
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	300
Old Laxapana	54	48	48	740
Canyon	60	60	40	586
New Laxapana	100	100	90	1,893
Polpitiya	90	90	75	1,345
Broadlands	35	0	16	225
Kotmale	201	201	53	820
Victoria	225	234	0	1,798
Randenigala	114	110	48	1,269
Rantambe	50	50	21	596
Ukuwela	37	20	21	460
Bowatenna	40	38	0	0
Upper Kotmale	150	150	60	152
Nilambe	3	3	2	13
Samanalawewa	120	120	118	1,124
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	51
Puttalam Coal I	270	270	272	6,483
Puttalam Coal II	270	270	269	6,499
Puttalam Coal III	270	270	274	6,591
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	45	1,020
Sapugaskanda B	70	63	63	1,450
Uthura Janani	26	24	23	544
Barge CEB	60	60	60	1,343
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	143	2,302
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,691	1,839	40,080

Plant availability is the availability recorded at 6 am on

February 11, 2023

Contribution to the Night Peak in MW

February 10, 2023

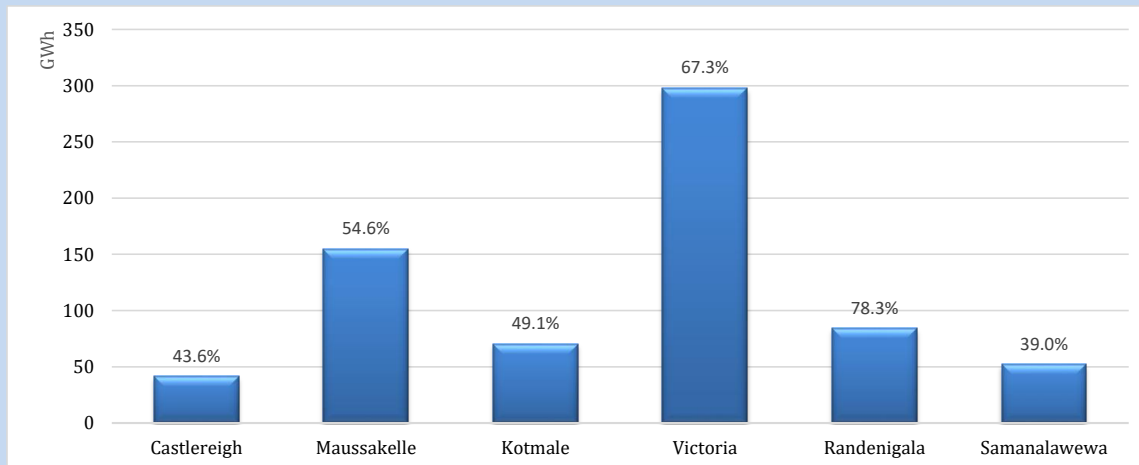


Night Peak*	1,843.4 MW
Day Peak	1,924.5 MW
Minimum Demand	1,286.1 MW

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

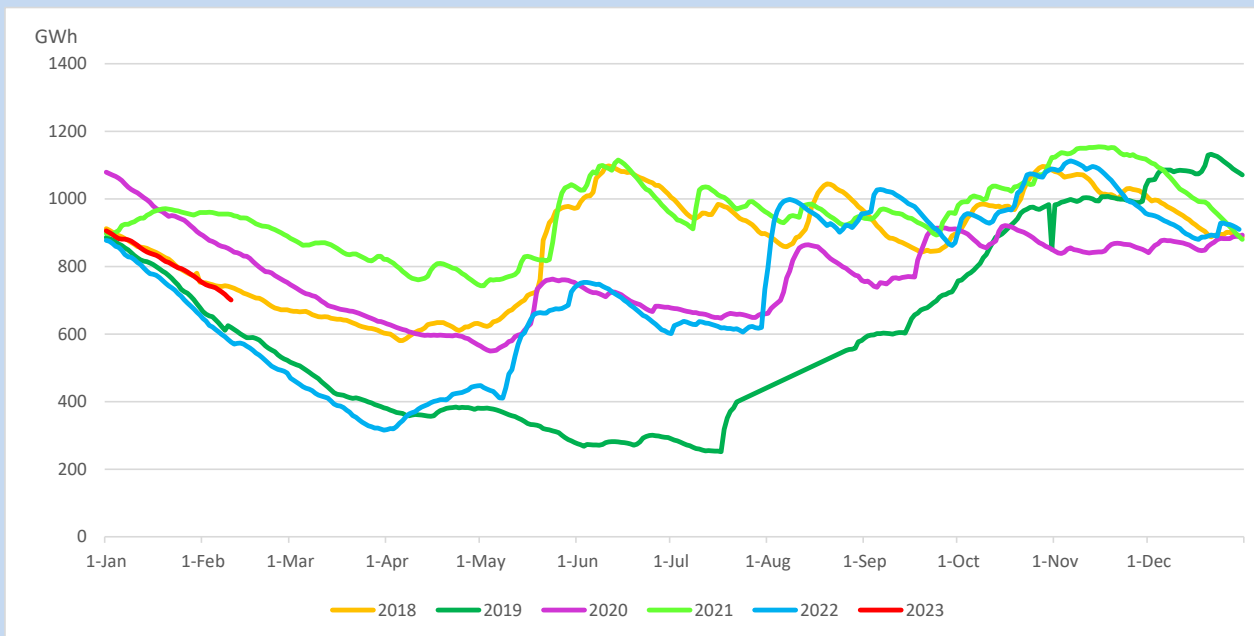
Reservoir Levels -

as at 06.00 Hr on February 11, 2023

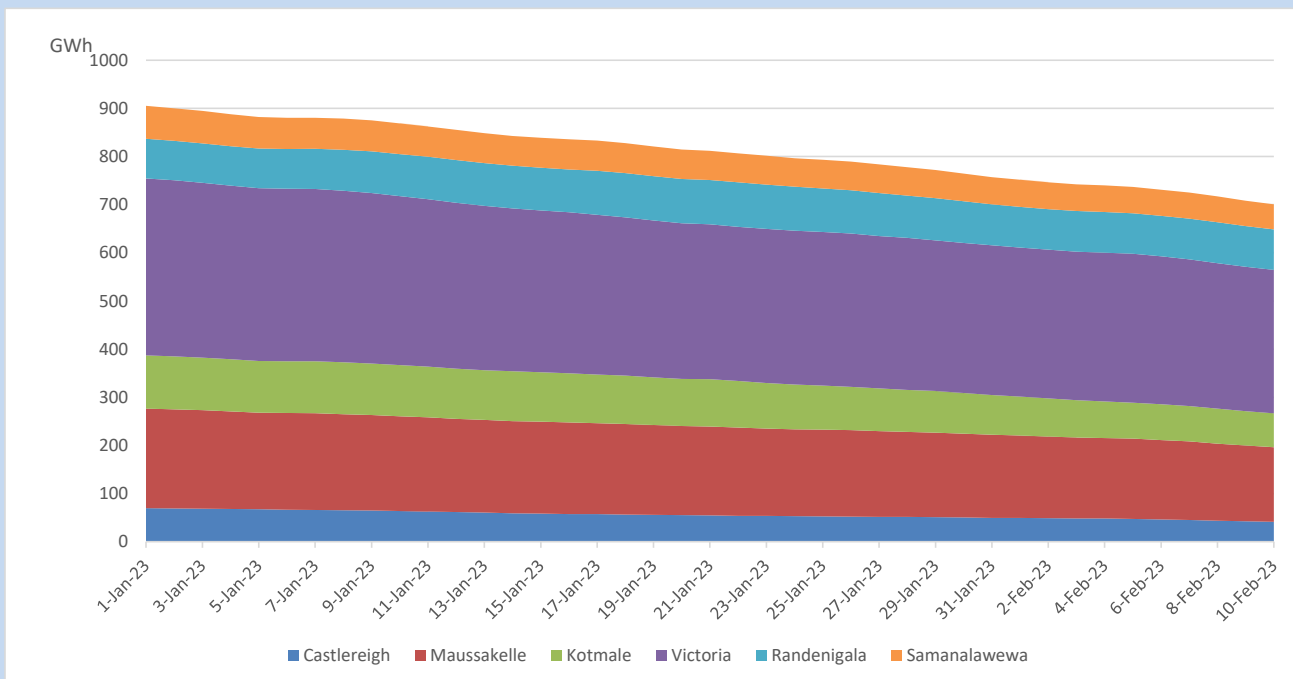


Total Reservoir Level	700.7 GWh
% of Total capacity	58.1%

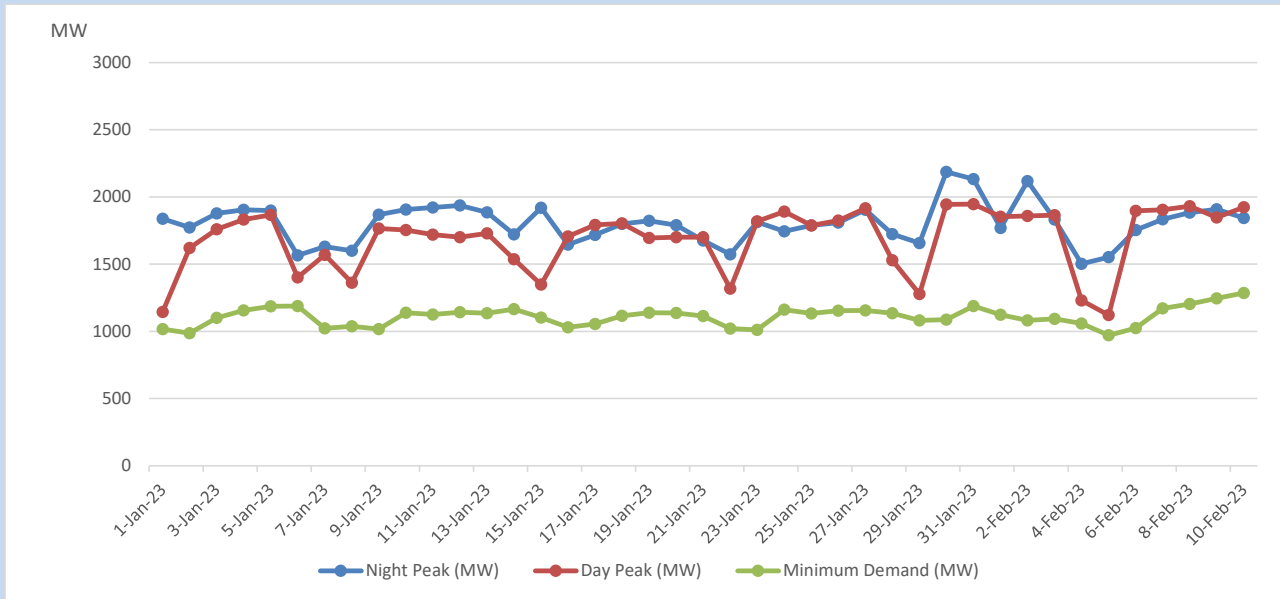
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

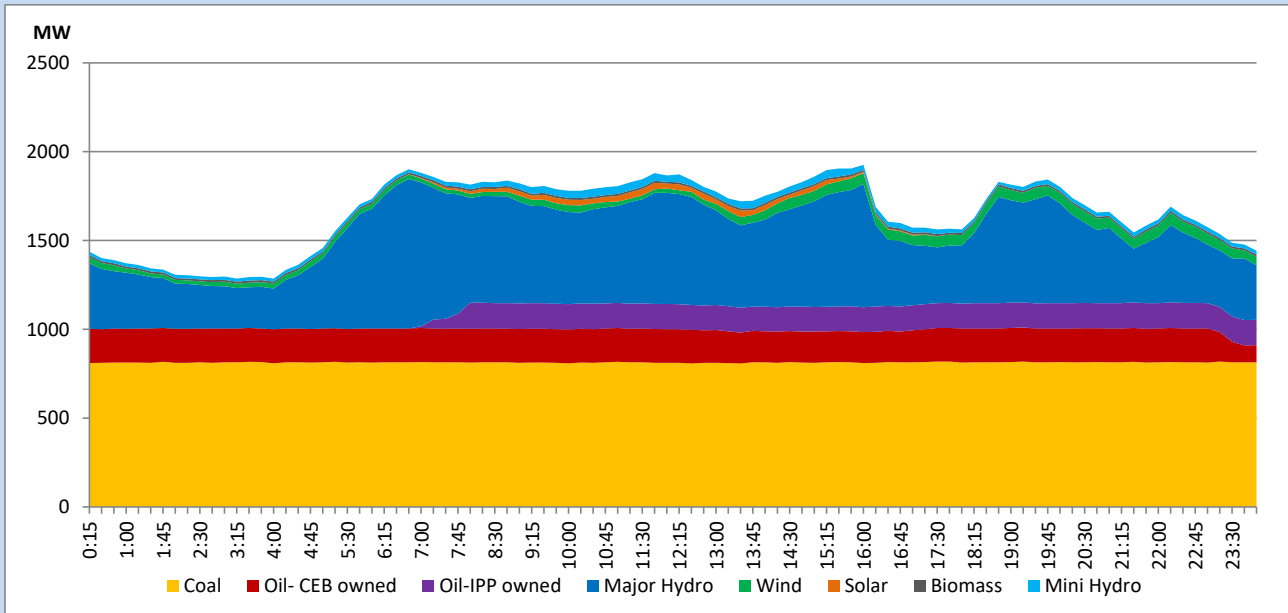


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

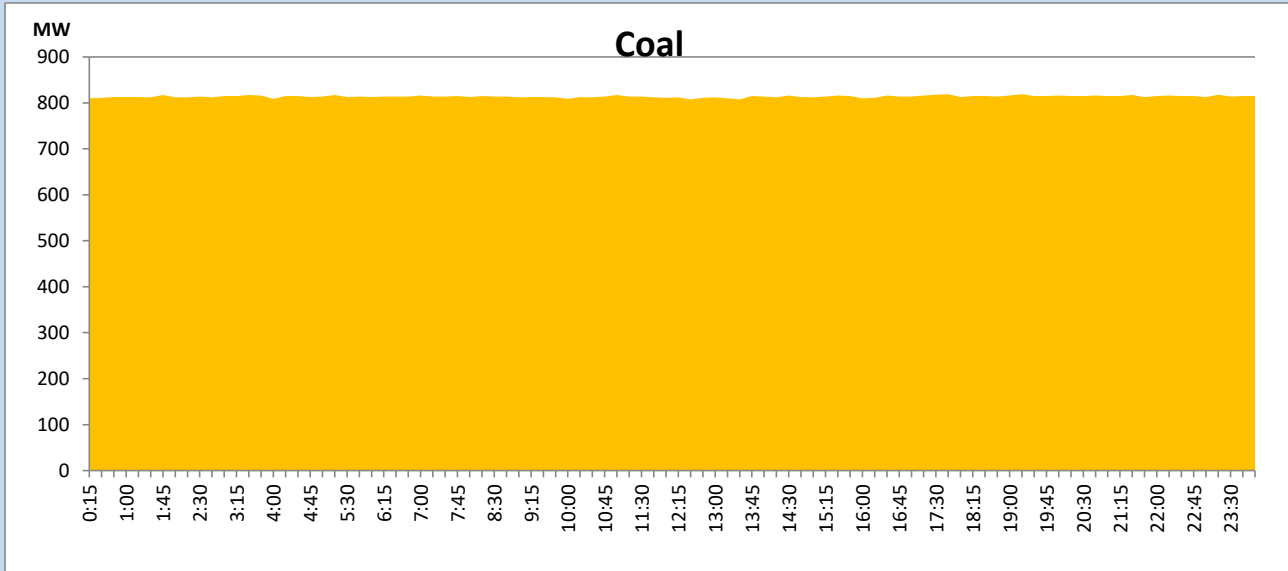
February 10, 2023

Solar and wind data is based on Telemetered Power Stations only



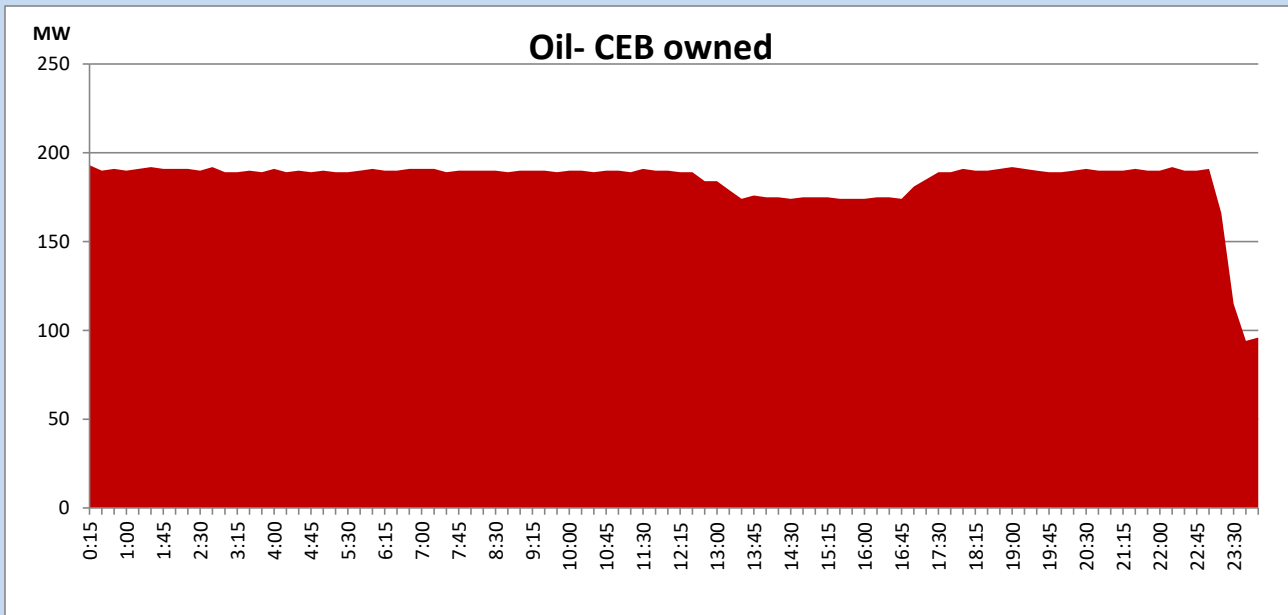
Coal Generation during

February 10, 2023



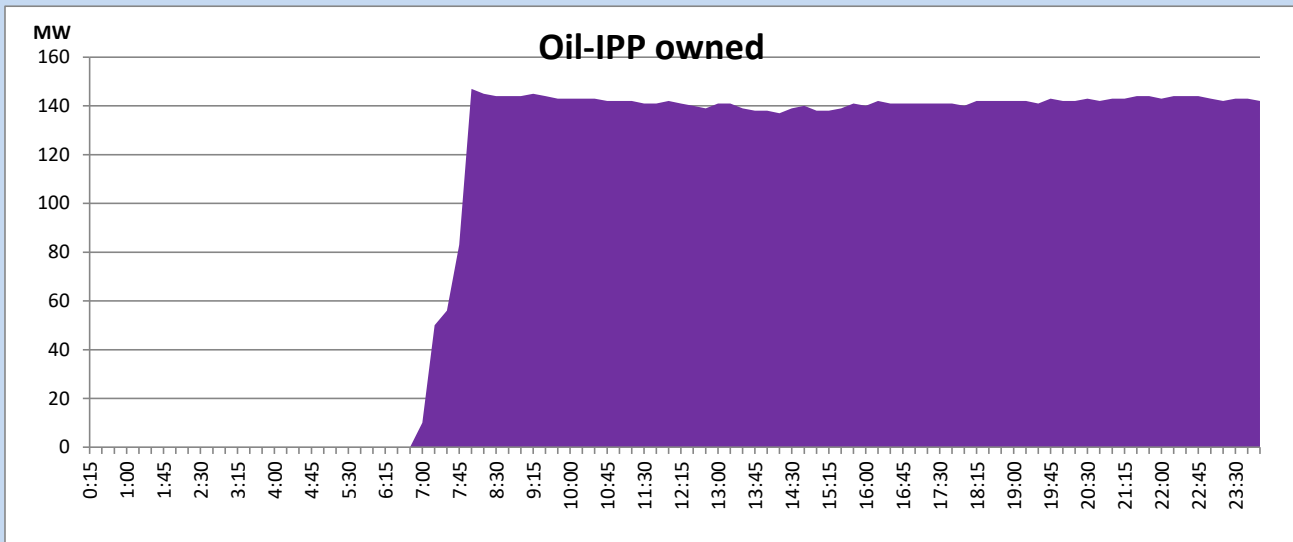
CEB Oil Plant Generation during

February 10, 2023



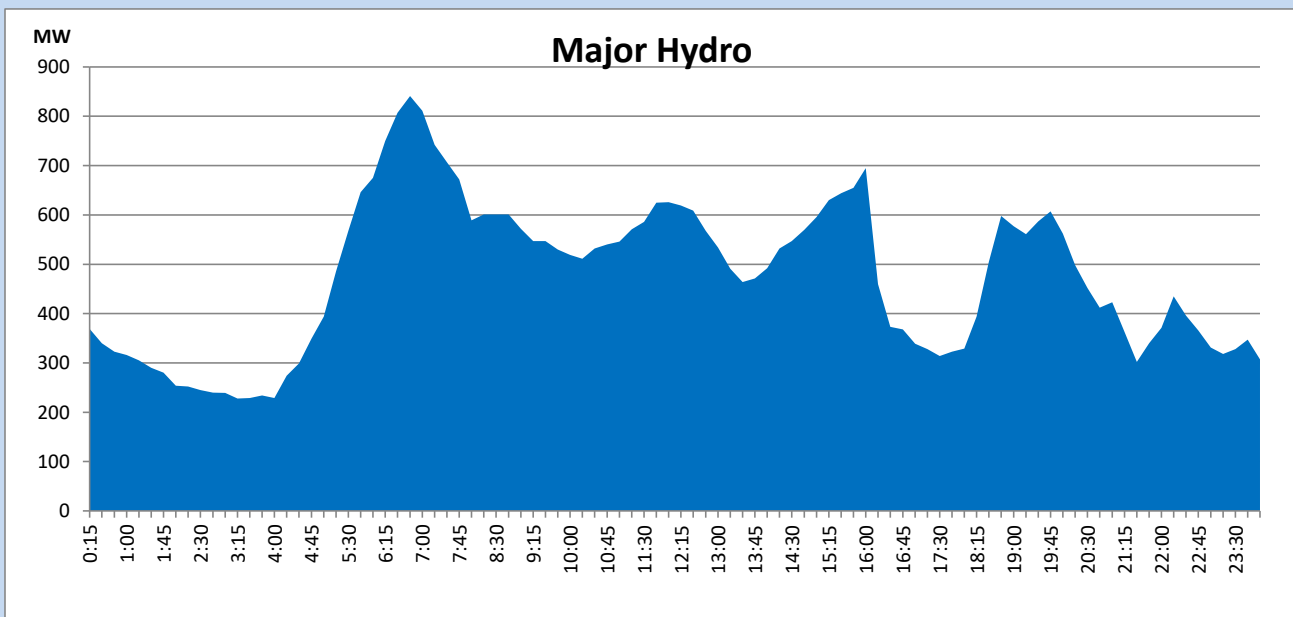
IPP Oil Plant Generation during

February 10, 2023



Major Hydro Generation during

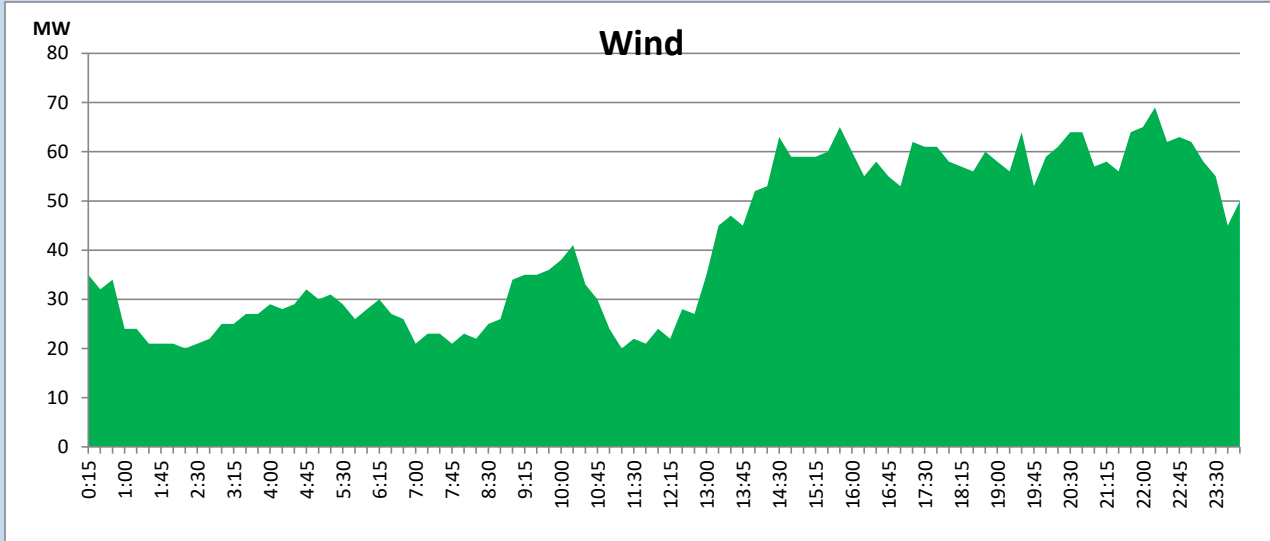
February 10, 2023



Wind Generation during

February 10, 2023

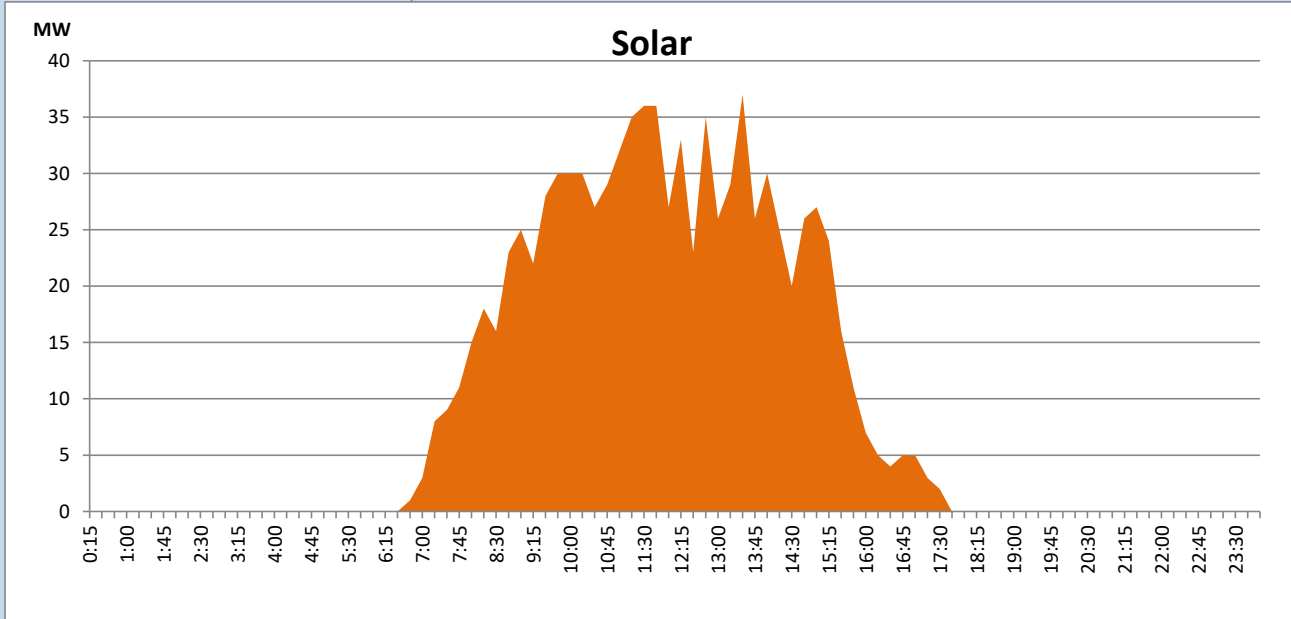
Based on Telemetered Power Stations only



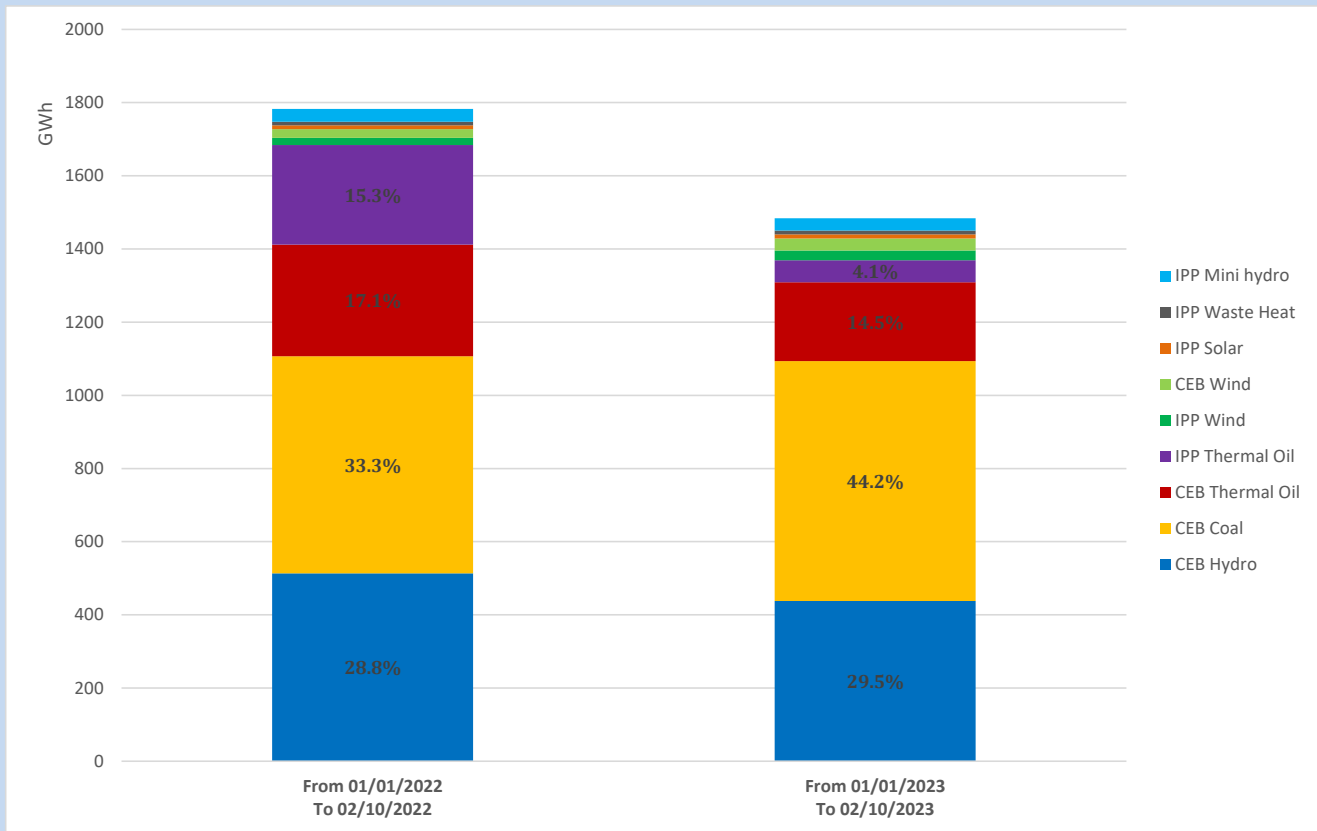
Solar Generation during

February 10, 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 10, 2023

- 1) Rotational manual load shedding was carried out from 16:00hrs to 22:00hrs.
- 2) Hambanthota-Embilipitiya 132kV cct 01 tripped & A/R from both ends at 06:27hrs due to the operation of distance protection.
- 3) Hambanthota 220/132/33kV T/F 02 tripped at 16:50hrs, due to the operation of differential protection. The T/F was restored at 17:35hrs.