

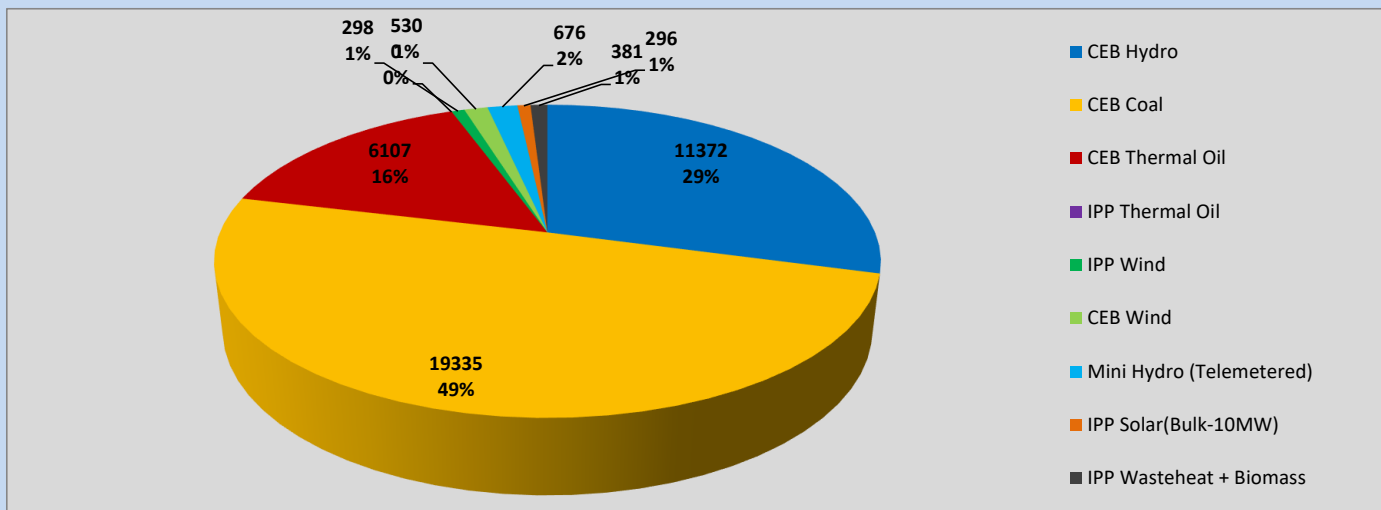
Generation and Reservoirs Statistics

February 7, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

38,995 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.97 GWh
 Estimated Mini Hydro (Non telemetered) = 1204 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

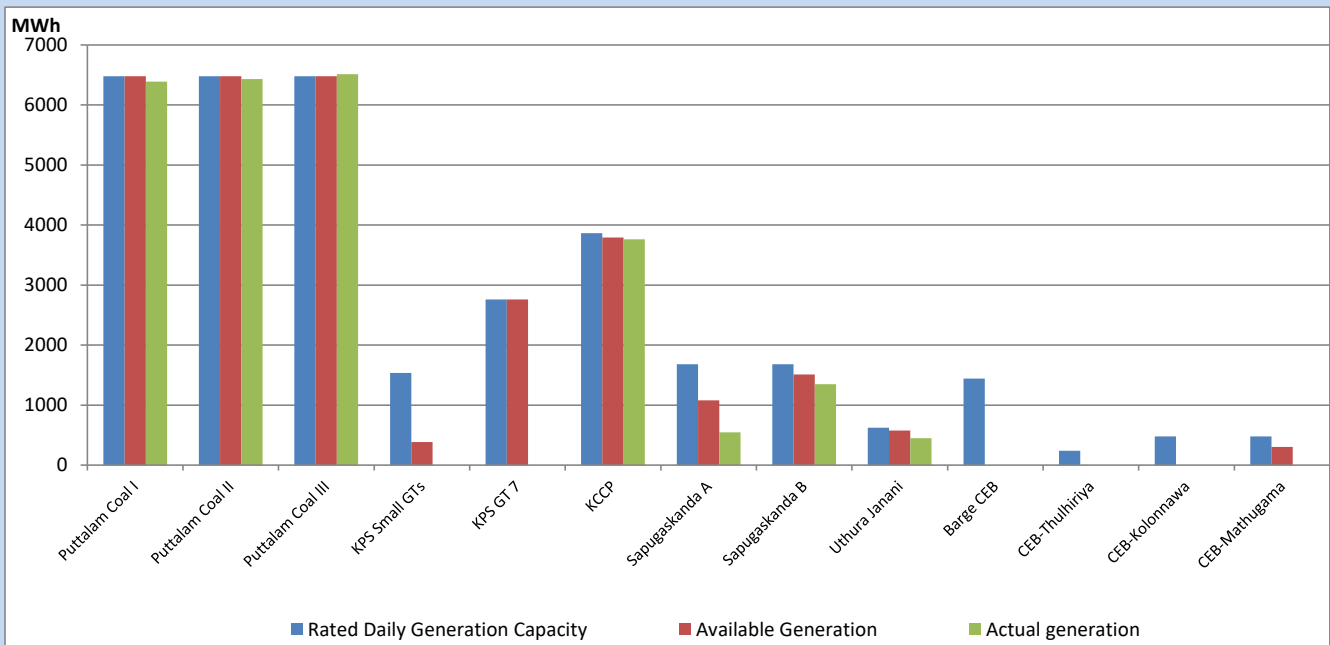
Category	Dispatch (GWh)	Percentage
CEB Hydro	73	29.16%
CEB Coal	130	52.11%
CEB Thermal Oil	28	11.28%
IPP Thermal	0	0.00%
SPP Wind	4	1.74%
CEB Wind	6	2.50%
Mini Hydro (Telemetered)	4	1.80%
IPP Solar (Bulk-10MW)	2	0.64%
IPP Wasteheat + BMP	2	0.77%
Total	250	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	403	29.52%
CEB Coal	597	43.76%
CEB Thermal Oil	201	14.73%
IPP Thermal	56	4.09%
SPP Wind	25	1.86%
CEB Wind	31	2.30%
Mini Hydro (Telemetered)	32	2.32%
IPP Solar (Bulk-10MW)	10	0.73%
IPP Wasteheat	10	0.70%
Total	1,365	

CEB owned Thermal Plant Dispatch

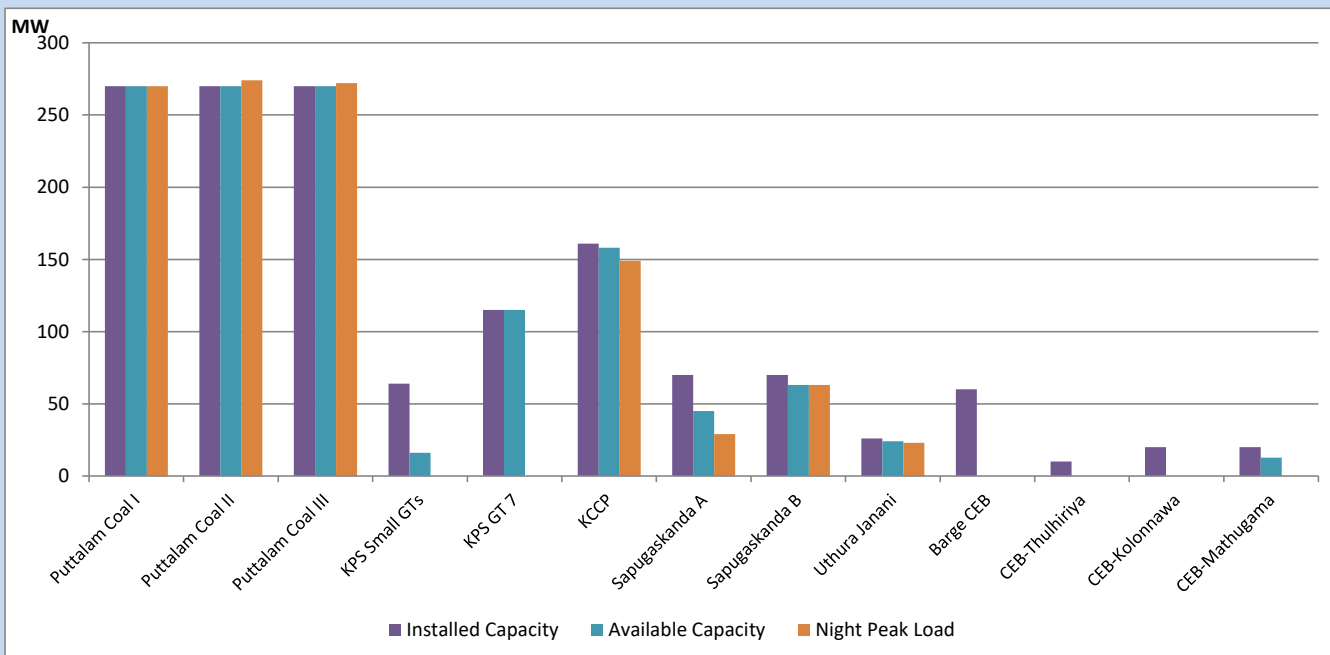
February 7, 2023



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

February 8, 2023

CEB owned Thermal Plant Loading at the Night Peak

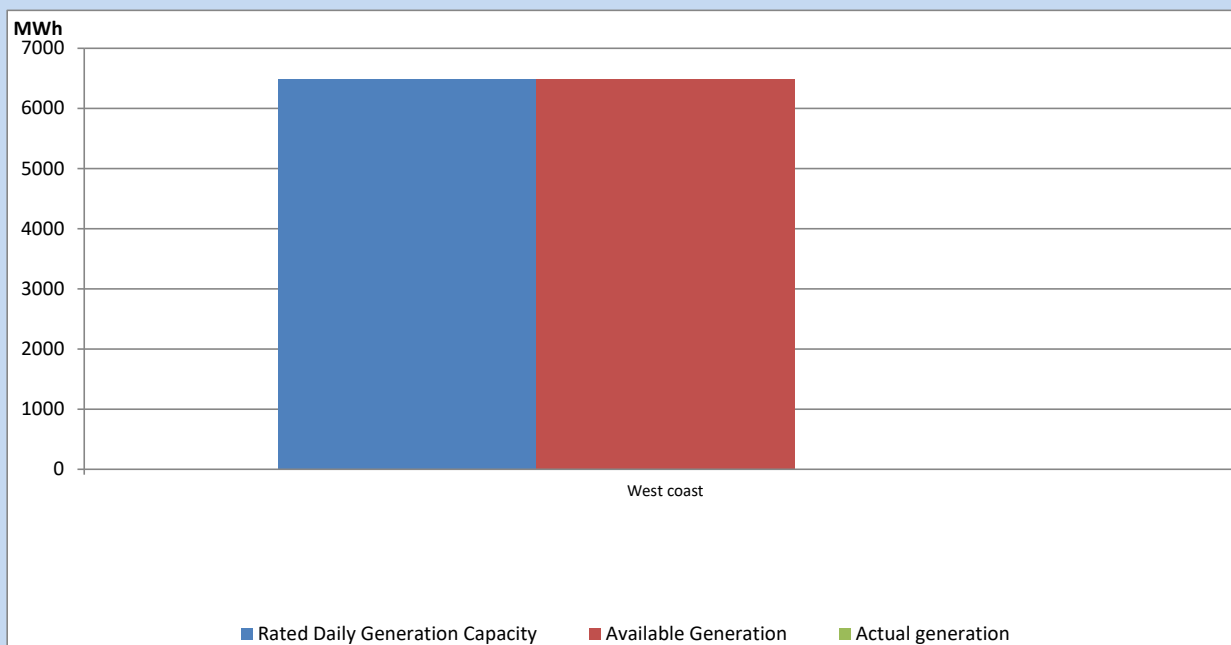


Note- Plant availability is recorded at 6.00 am on

February 8, 2023

IPP owned Thermal Plant Dispatch

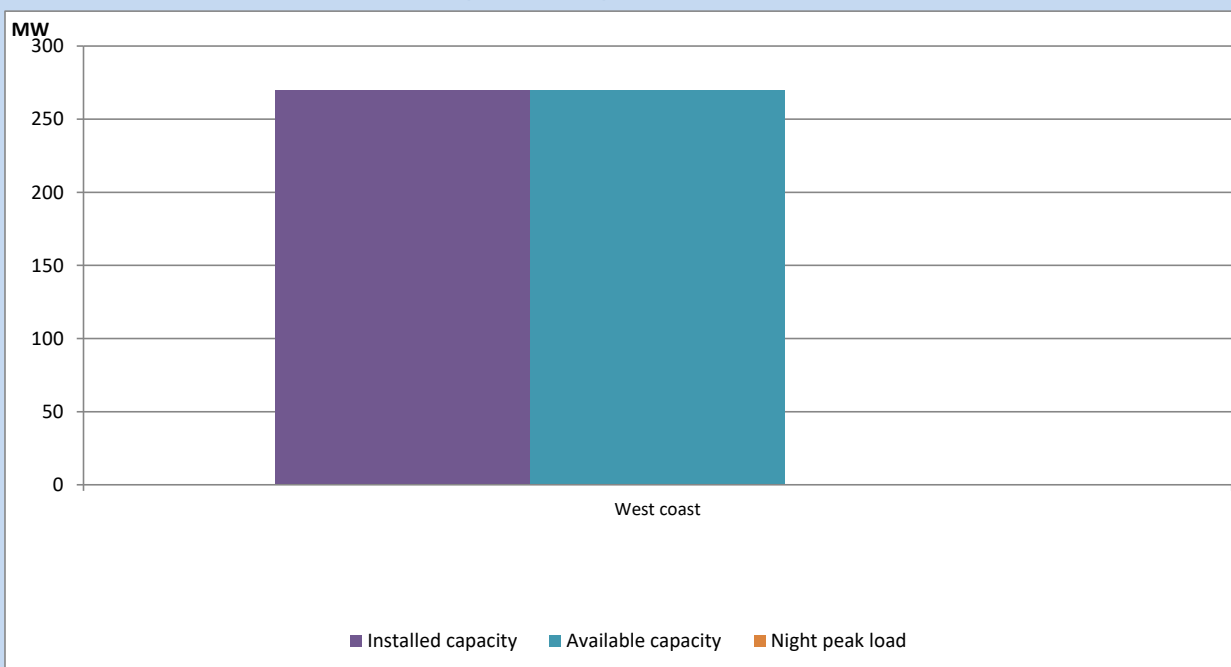
February 7, 2023



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

February 8, 2023

IPP owned Thermal Plant Loading at the Night Peak

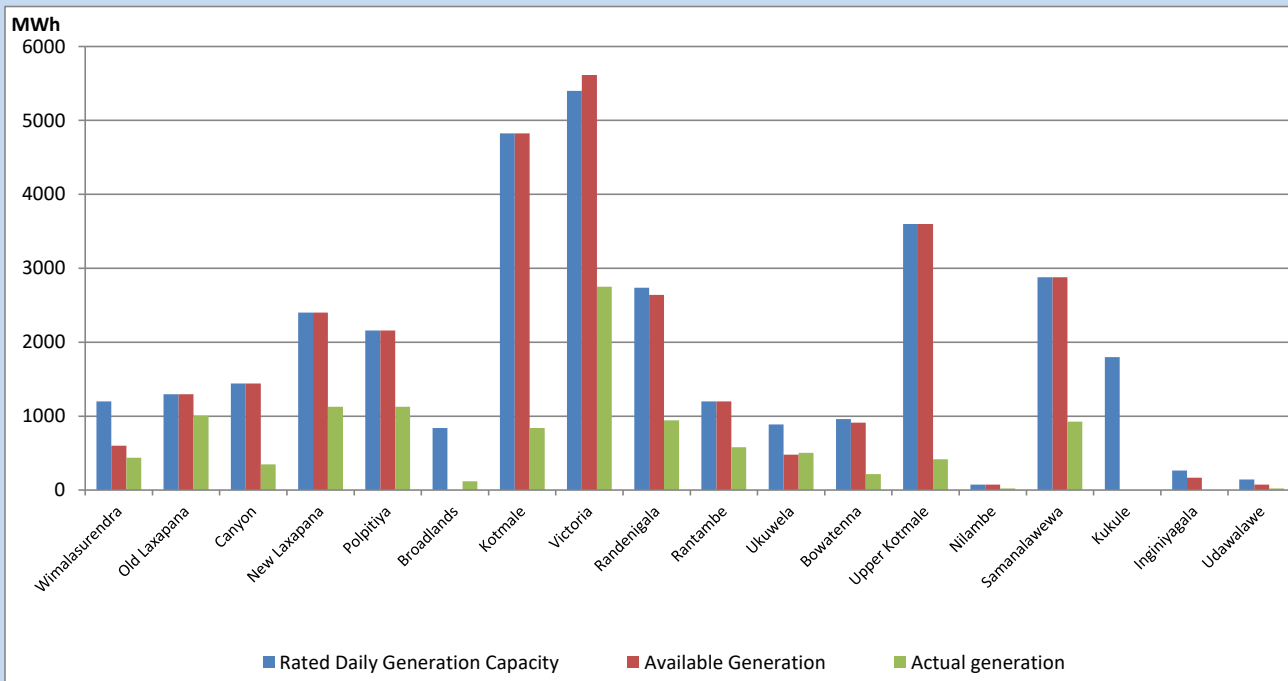


Note- Plant availability is recorded at 6.00 am on

February 8, 2023

Major Hydro Plant Dispatch

February 7, 2023

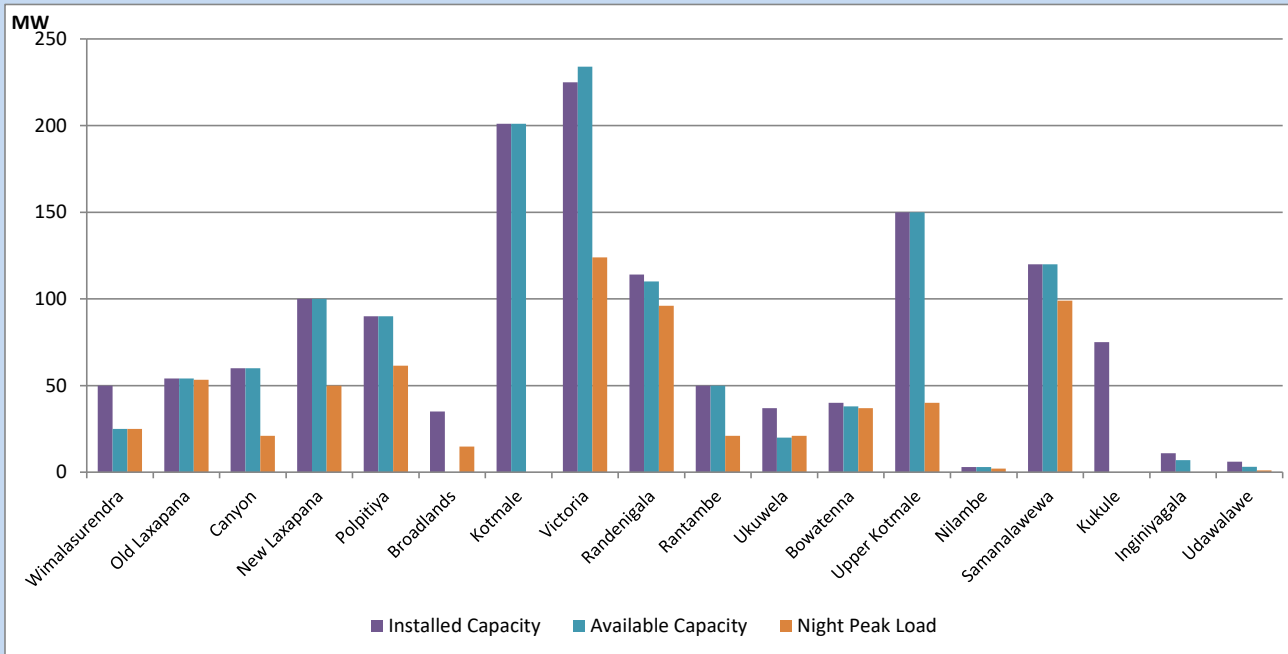


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 8, 2023

Major Hydro Plant Loading at Night Peak

February 7, 2023



Note- Plant availability is recorded at 6.00 am on

February 8, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

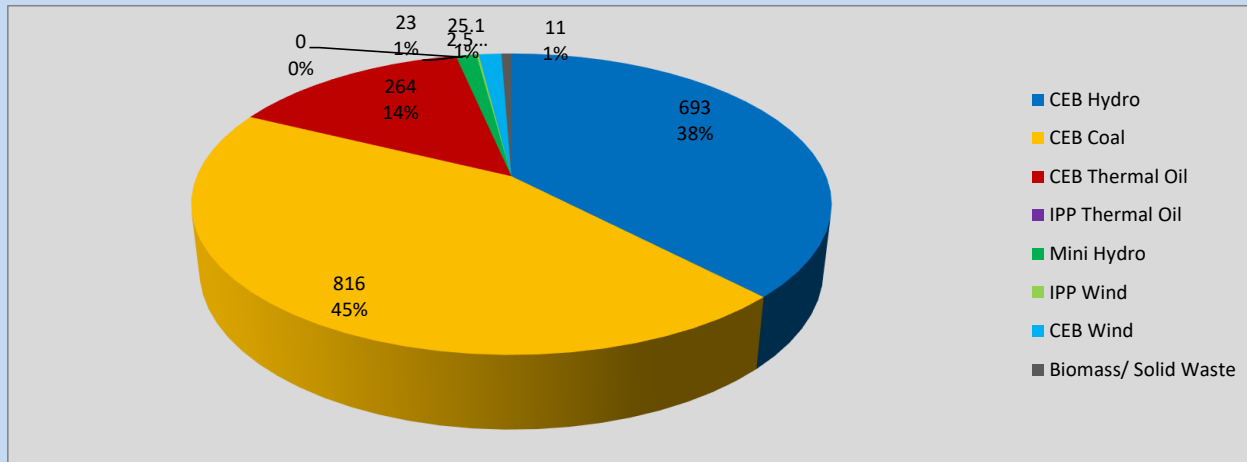
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	436
Old Laxapana	54	54	53	1,001
Canyon	60	60	21	347
New Laxapana	100	100	50	1,126
Polpitiya	90	90	61	1,125
Broadlands	35	0	15	118
Kotmale	201	201	0	840
Victoria	225	234	124	2,752
Randenigala	114	110	96	944
Rantambe	50	50	21	578
Ukuwela	37	20	21	502
Bowatenna	40	38	37	216
Upper Kotmale	150	150	40	418
Nilambe	3	3	2	22
Samanalawewa	120	120	99	925
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	22
Puttalam Coal I	270	270	270	6,390
Puttalam Coal II	270	270	274	6,433
Puttalam Coal III	270	270	272	6,512
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	149	3,761
Sapugaskanda A	70	45	29	546
Sapugaskanda B	70	63	63	1,350
Uthura Janani	26	24	23	450
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	2,779	1,808	38,995

Plant availability is the availability recorded at 6 am on

February 8, 2023

Contribution to the Night Peak in MW

February 7, 2023

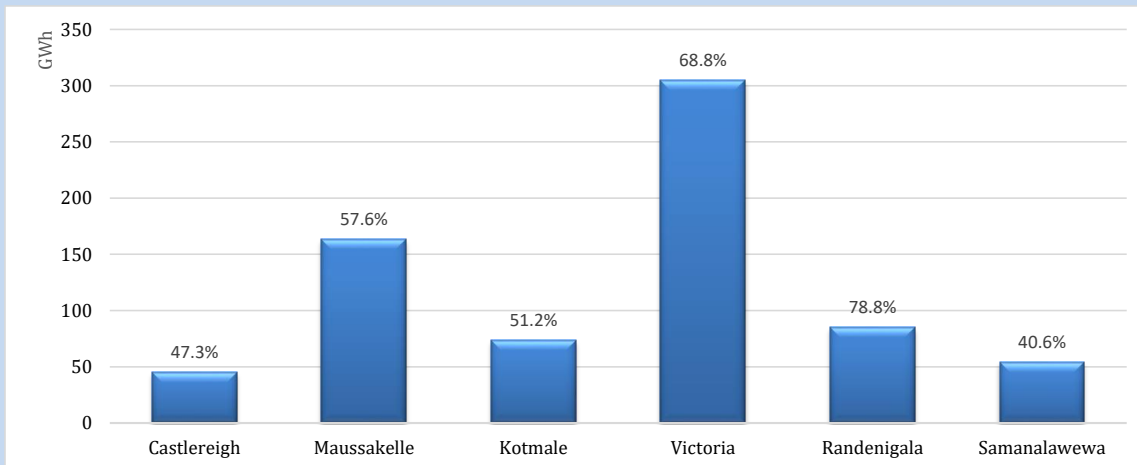


Night Peak*	1,835.0 MW
Day Peak	1,905.3 MW
Minimum Demand	1,171.5 MW

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

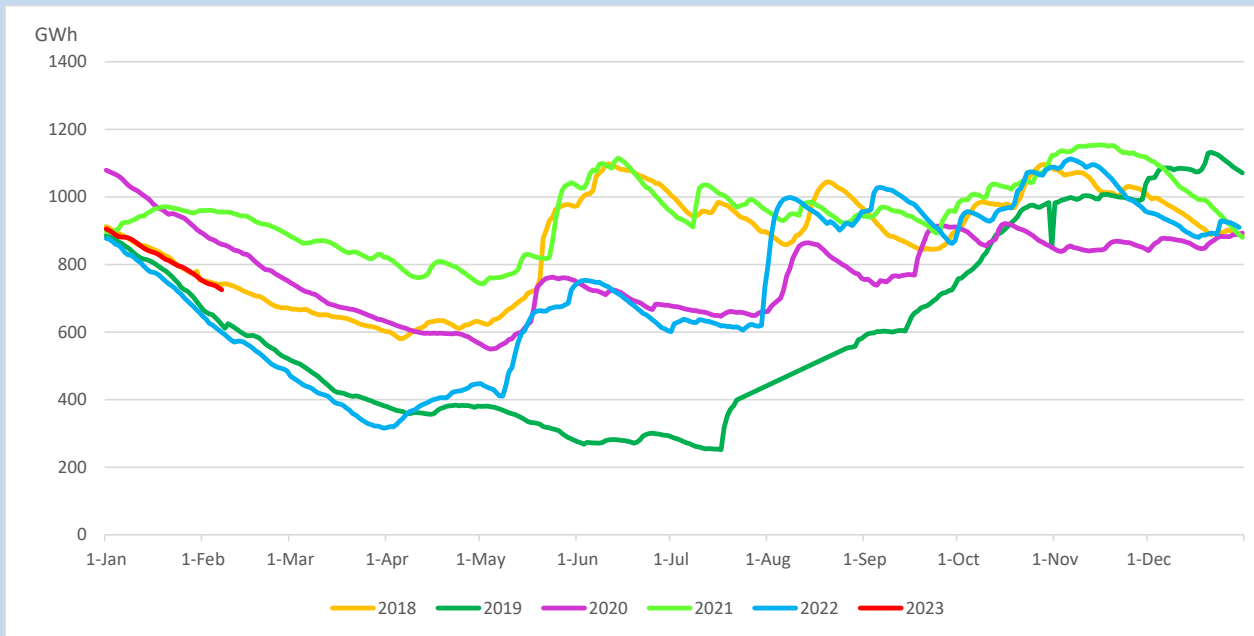
Reservoir Levels -

as at 06.00 Hr on February 8, 2023

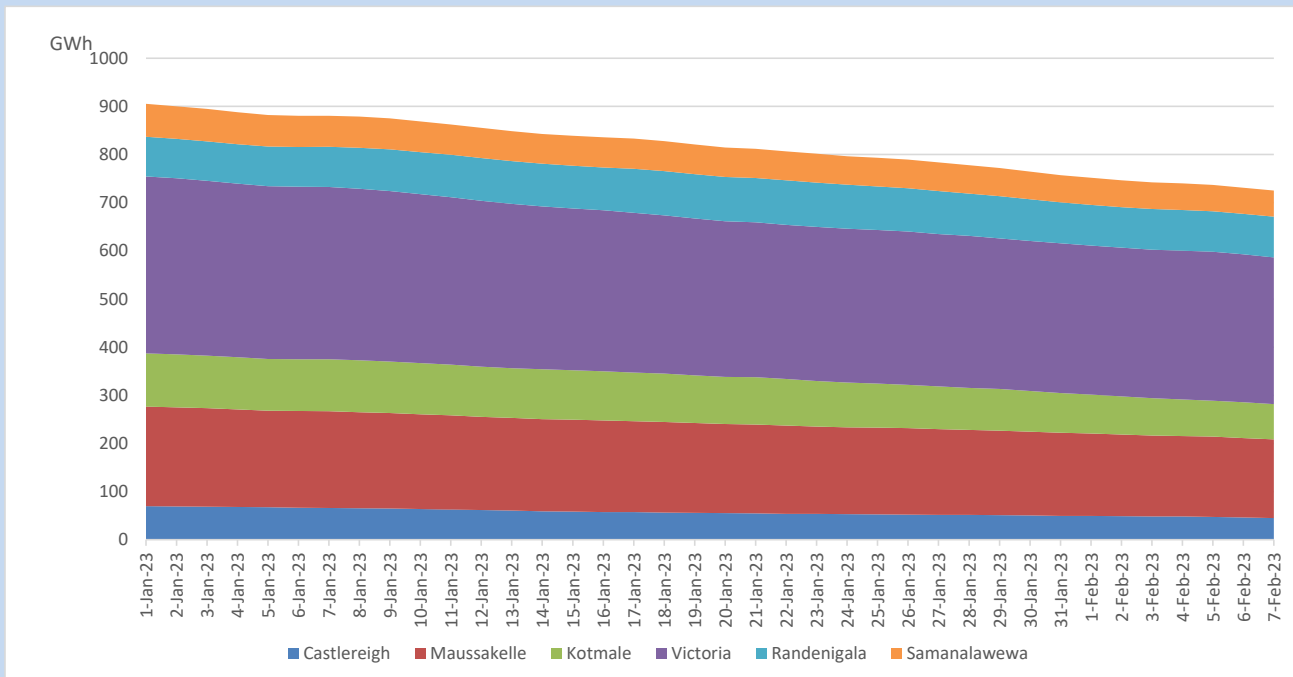


Total Reservoir Level	725 GWh
% of Total capacity	60.2%

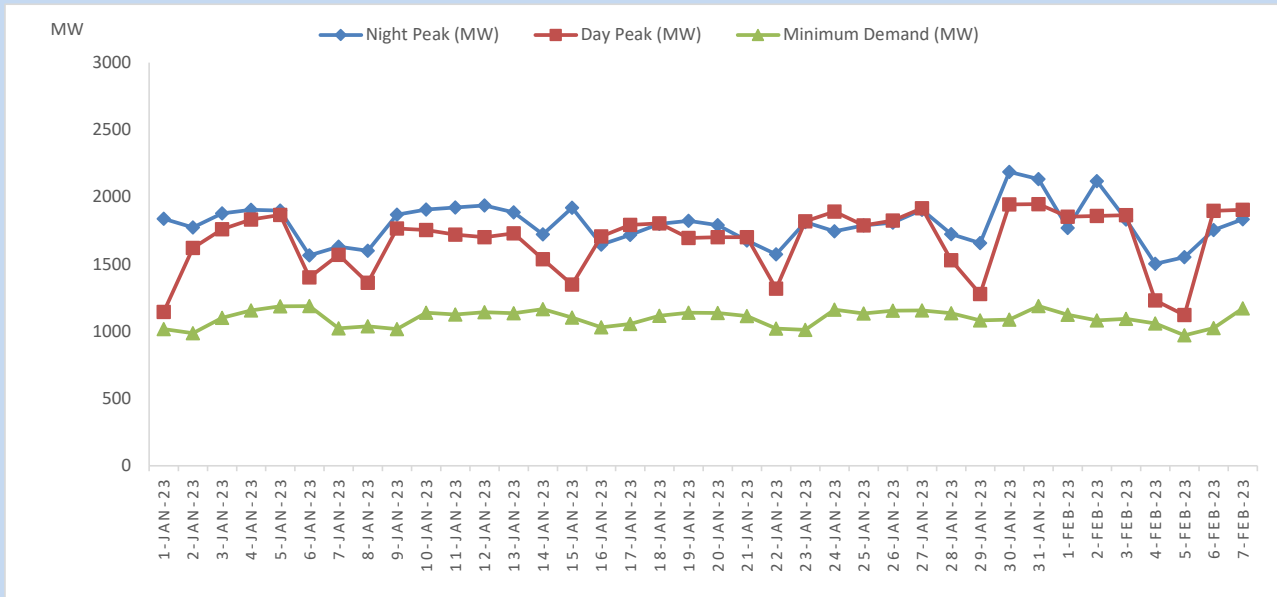
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

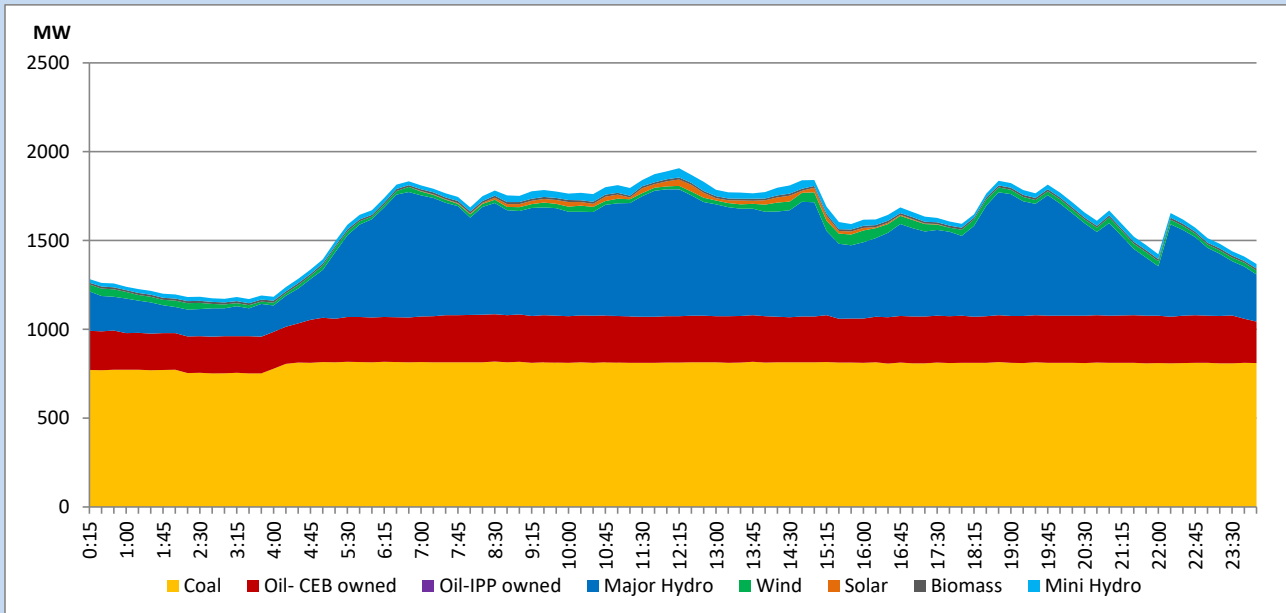


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Daily Load Curve

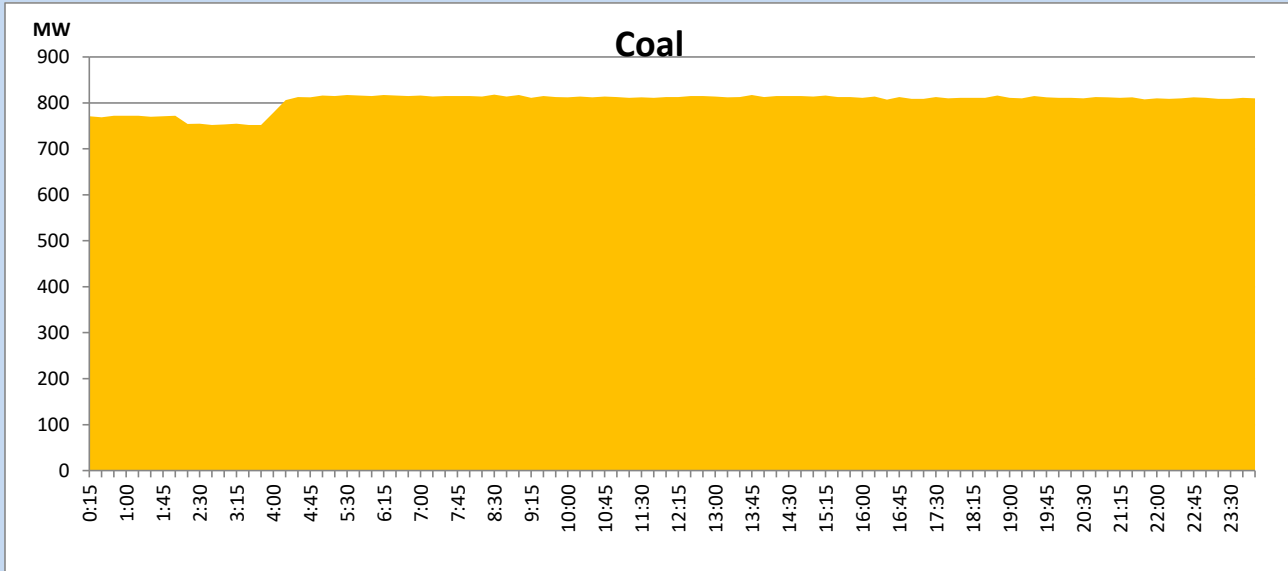
February 7, 2023

Solar and wind data is based on Telemetered Power Stations only



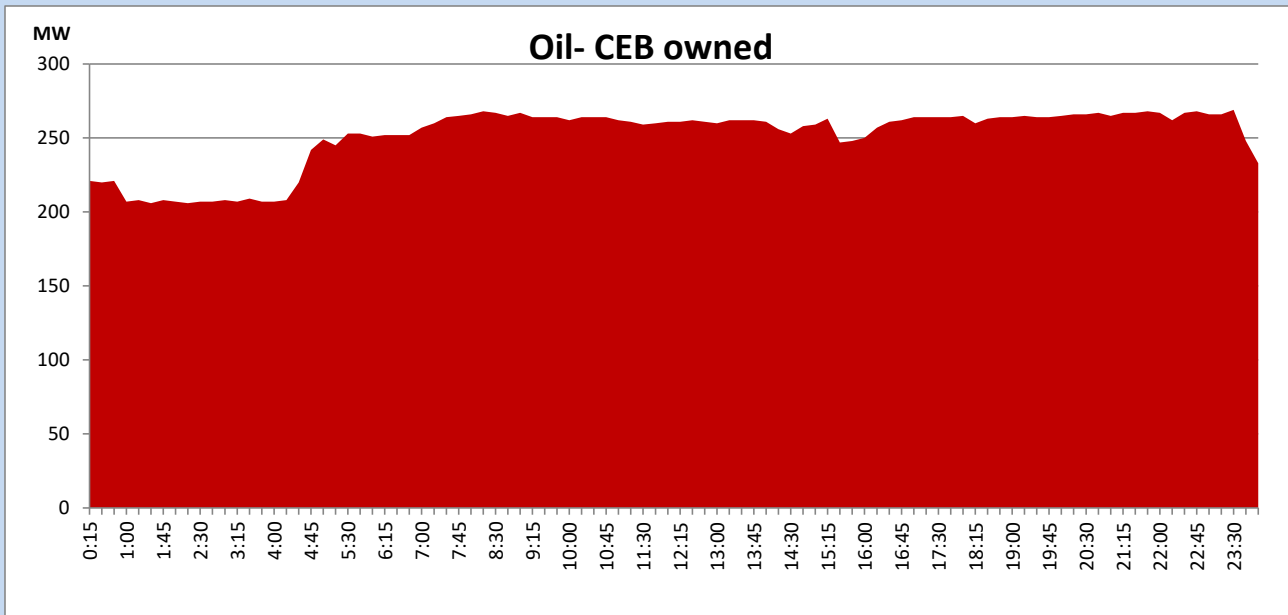
Coal Generation during

February 7, 2023



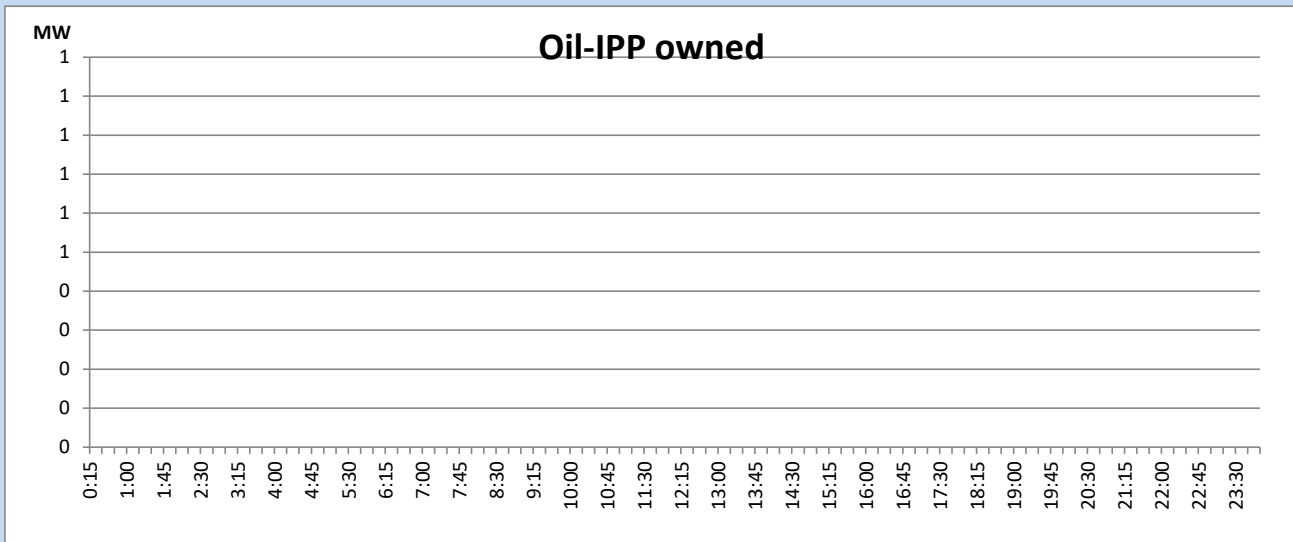
CEB Oil Plant Generation during

February 7, 2023



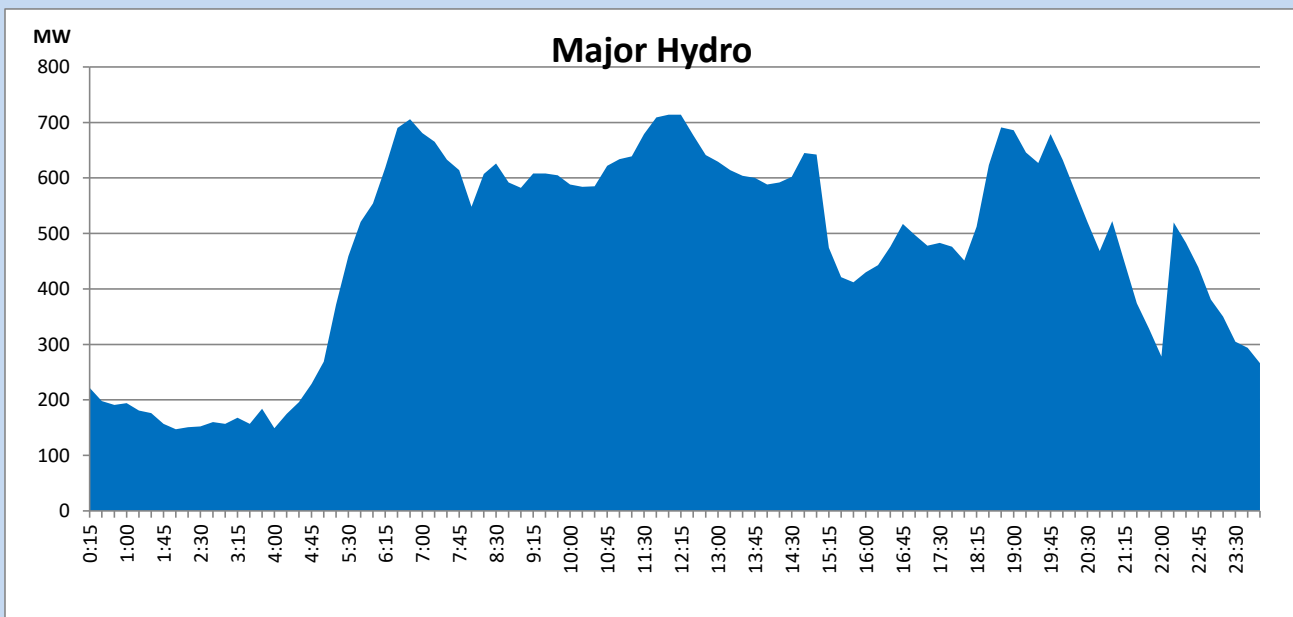
IPP Oil Plant Generation during

February 7, 2023



Major Hydro Generation during

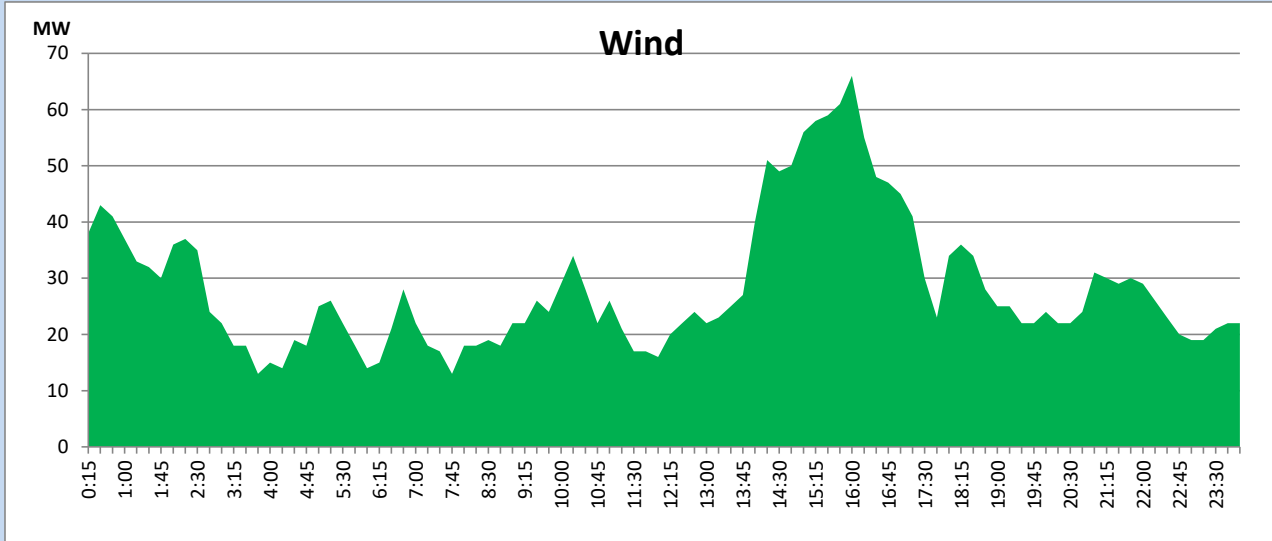
February 7, 2023



Wind Generation during

February 7, 2023

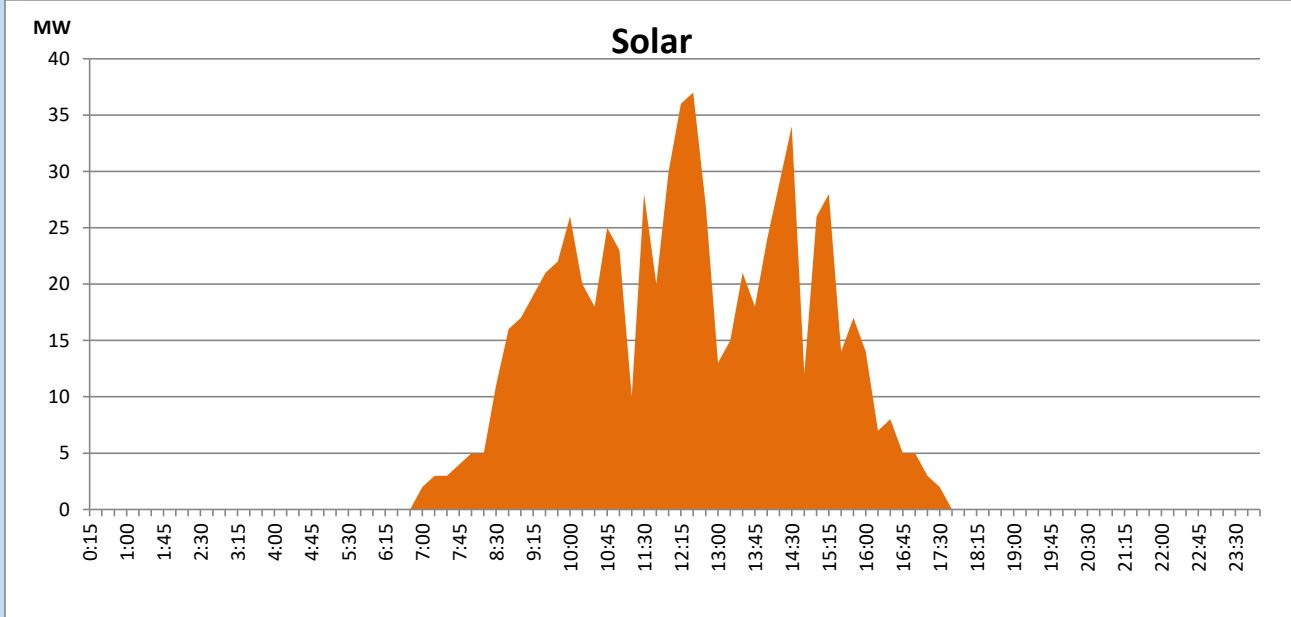
Based on Telemetered Power Stations only



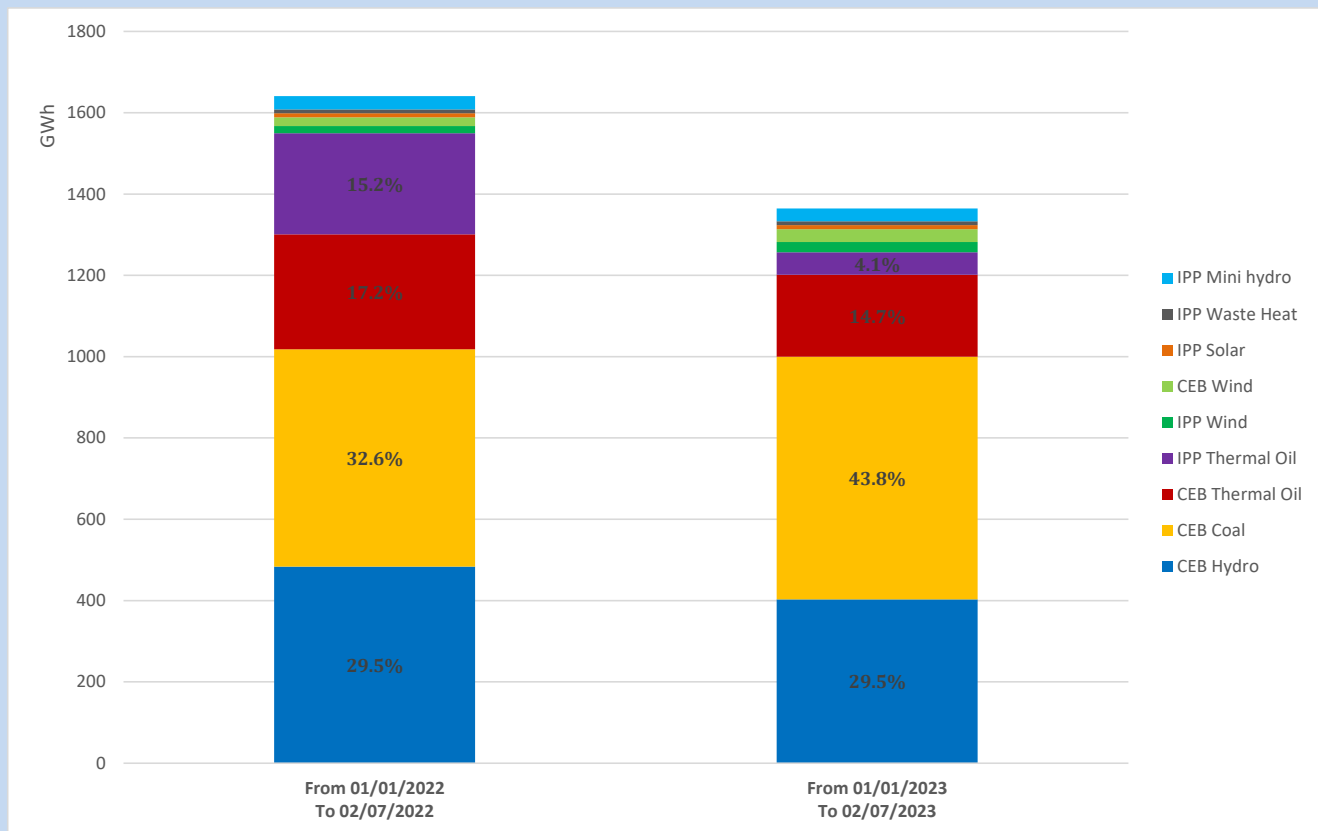
Solar Generation during

February 7, 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 7, 2023

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