

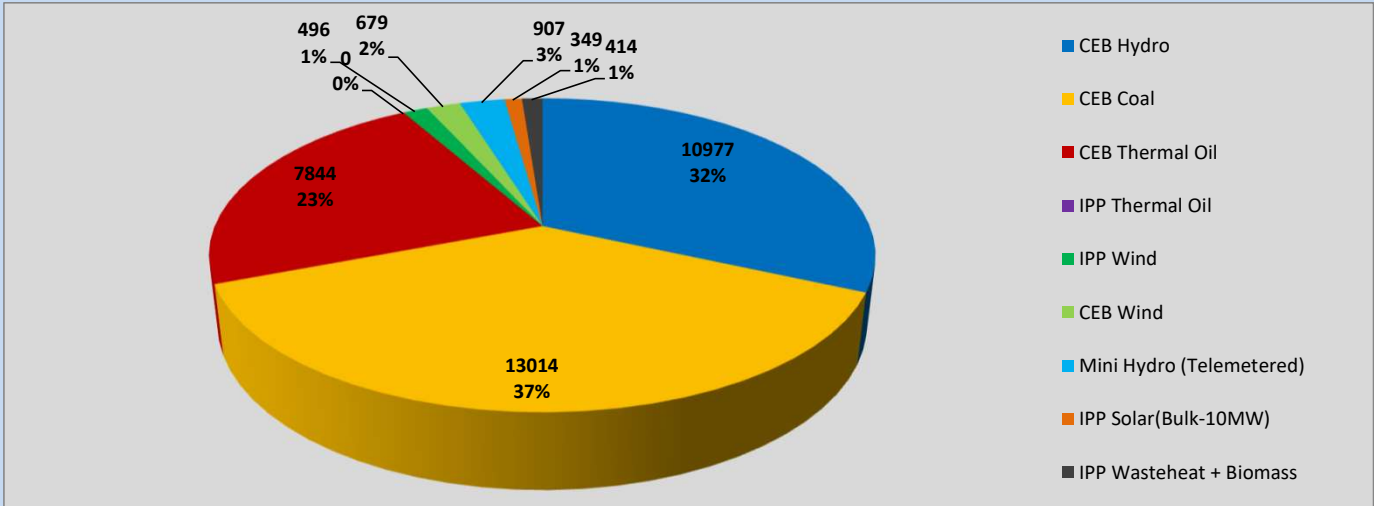
Generation and Reservoirs Statistics

January 14, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 34,680 MWh

Estimated figures of CEB generation report

- Estimated unserved energy = 1.94 GWh
- Estimated Mini Hydro (Non telemetered) = 1613 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

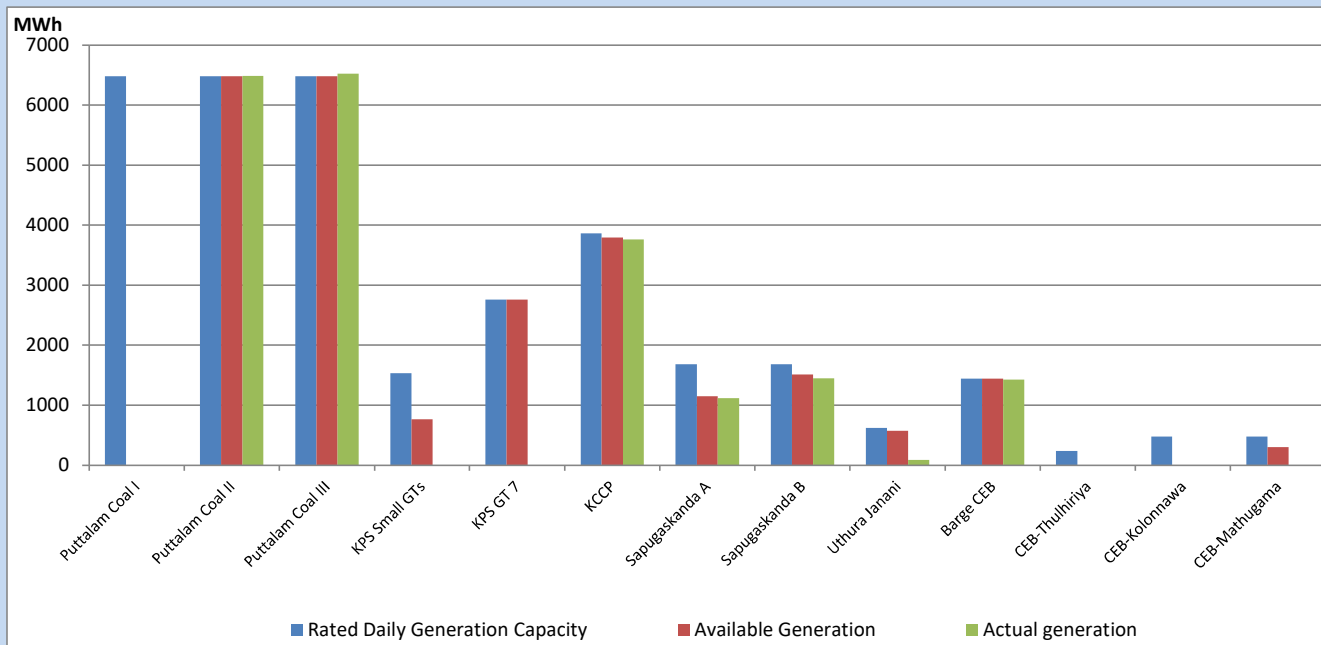
Category	Dispatch (GWh)	
CEB Hydro	156	31.48%
CEB Coal	183	36.95%
CEB Thermal Oil	69	14.05%
IPP Thermal	43	8.62%
SPP Wind	10	1.96%
CEB Wind	13	2.56%
Mini Hydro (Telemetered)	13	2.64%
IPP Solar(Bulk-10MW)	4	0.88%
IPP Wasteheat + BMP	4	0.87%
Total	494	

For Current Year

Category	Dispatch (GWh)	
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CEB owned Thermal Plant Dispatch

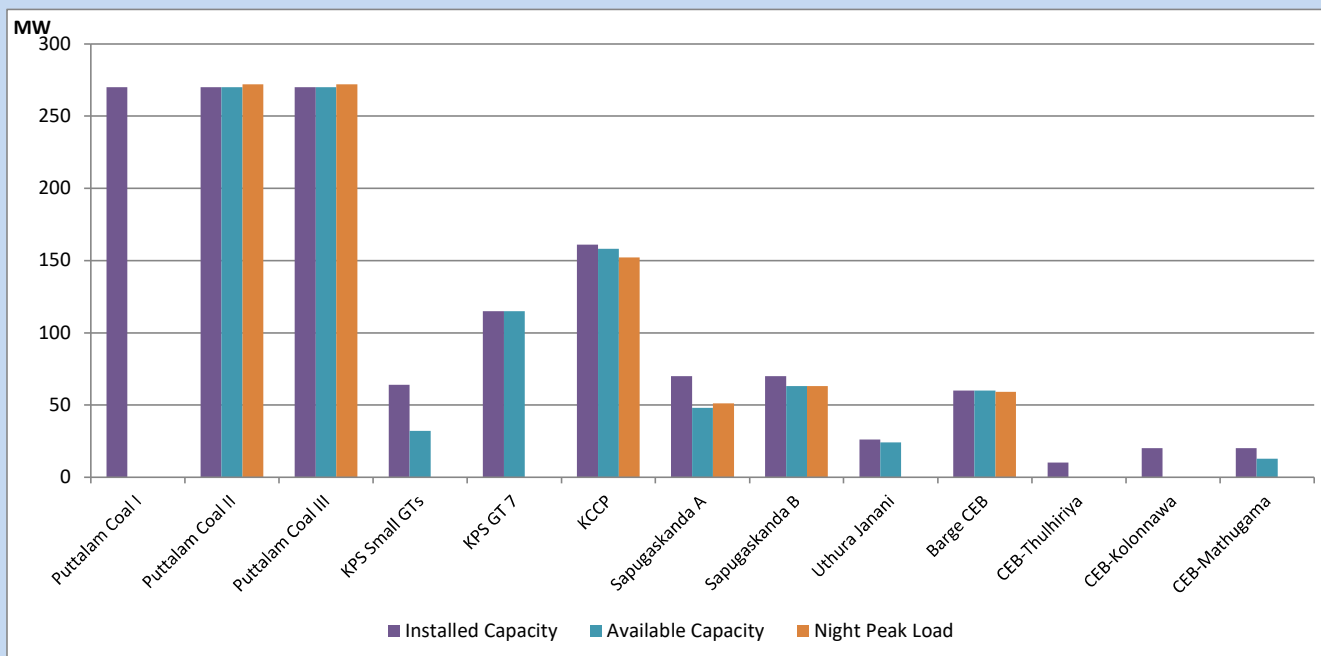
January 14, 2023



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

January 15, 2023

CEB owned Thermal Plant Loading at the Night Peak



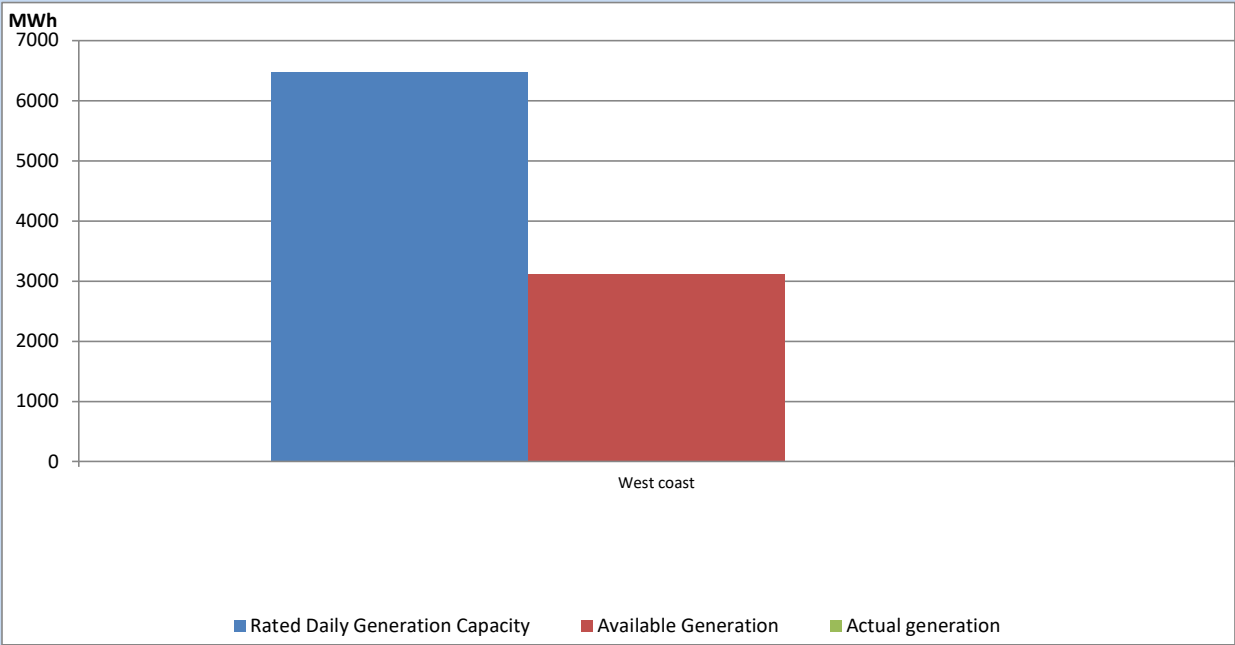
Note- Plant availability is recorded at 6.00 am on

January 15, 2023

IPP owned Thermal Plant Dispatch

January 14, 2023

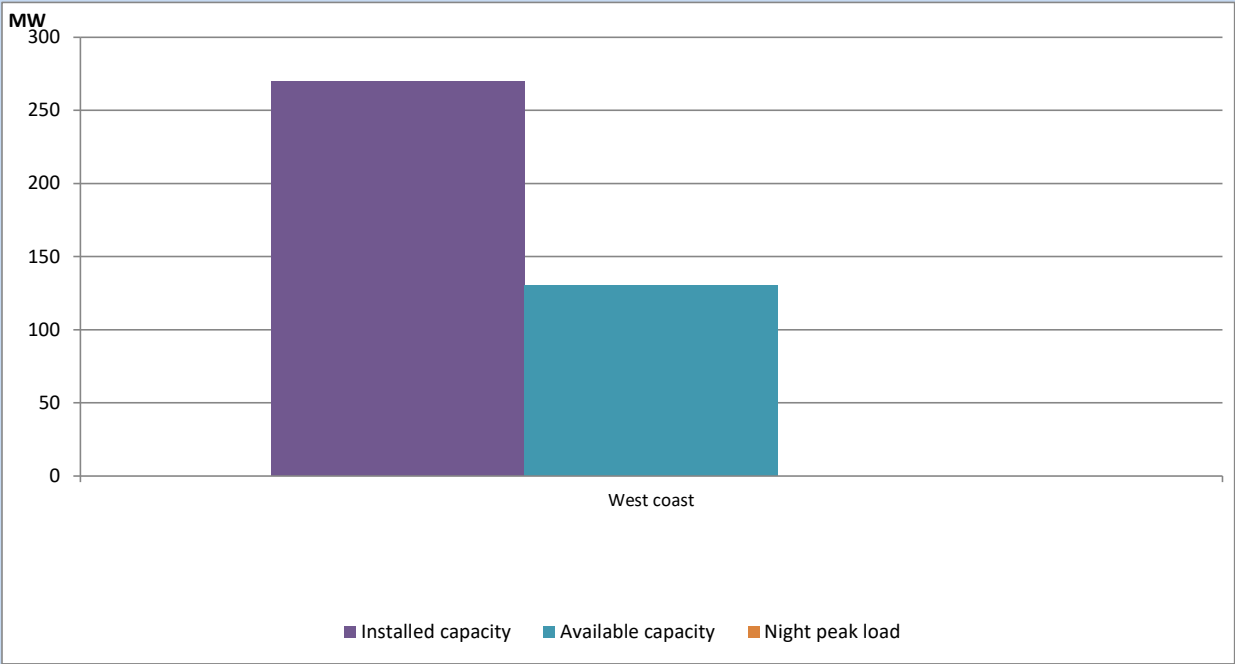
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya, Sojitz kelanitissa are not available due to expiration of PPAs



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

January 15, 2023

IPP owned Thermal Plant Loading at the Night Peak

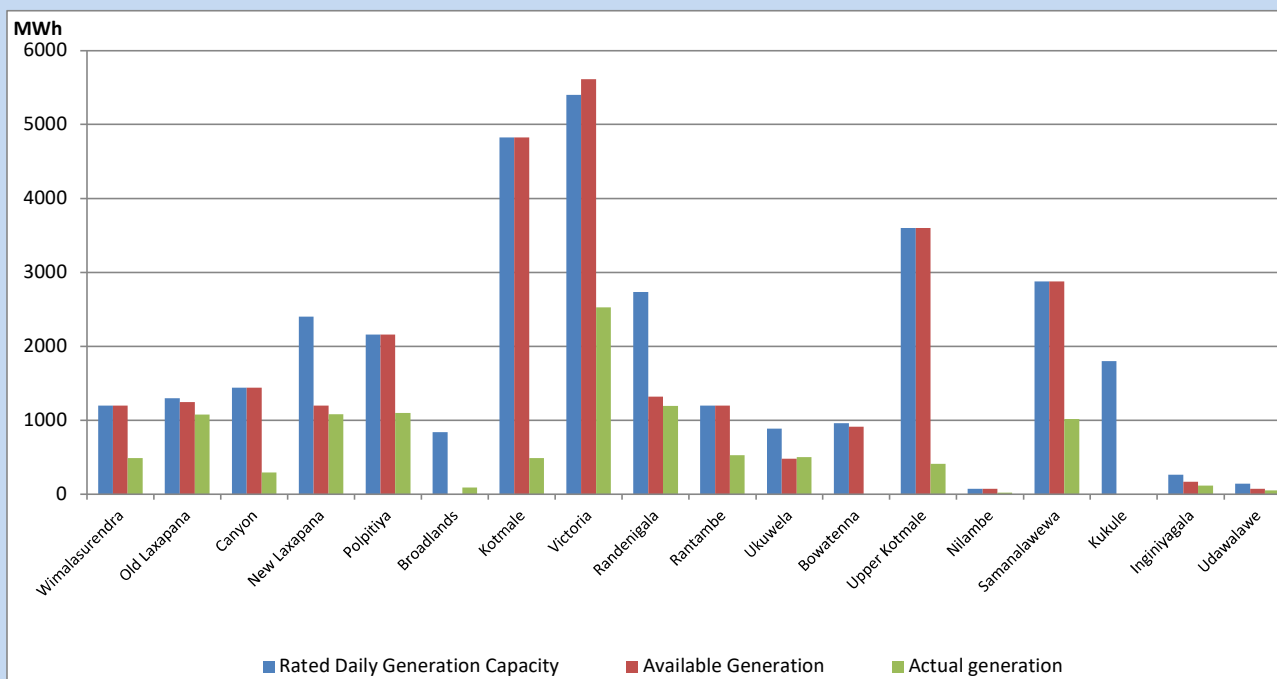


Note- Plant availability is recorded at 6.00 am on

January 0, 1900

Major Hydro Plant Dispatch

January 14, 2023

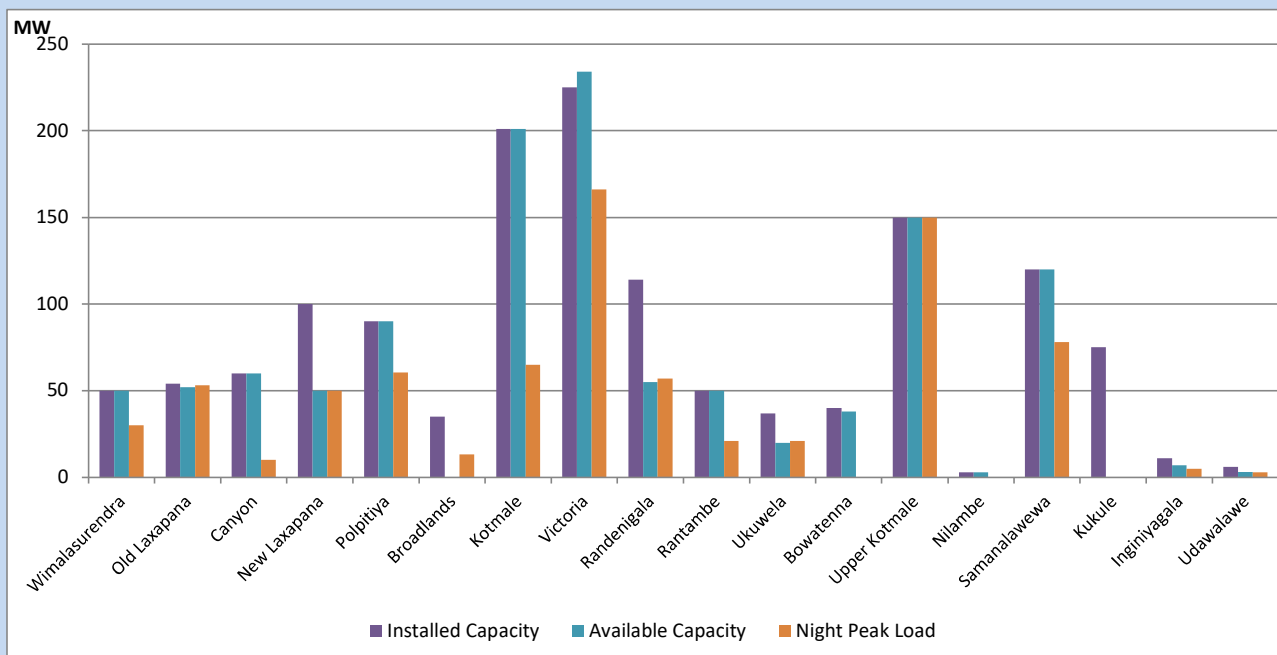


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 15, 2023

Major Hydro Plant Loading at Night Peak

January 14, 2023



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

January 15, 2023

Summary of Major Plant performance

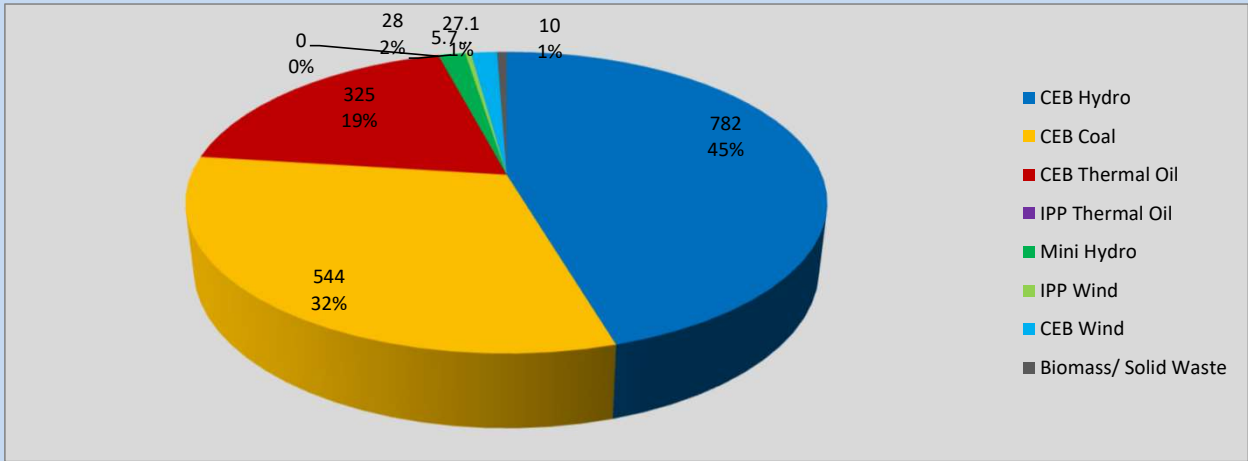
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	488
Old Laxapana	54	52	53	1,077
Canyon	60	60	10	292
New Laxapana	100	50	50	1,083
Polpitiya	90	90	61	1,098
Broadlands	35	0	13	90
Kotmale	201	201	65	490
Victoria	225	234	166	2,524
Randenigala	114	55	57	1,195
Rantambe	50	50	21	528
Ukuwela	37	20	21	500
Bowatenna	40	38	0	0
Upper Kotmale	150	150	150	409
Nilambe	3	3	0	23
Samanalawewa	120	120	78	1,015
Kukule	75	0	0	0
Inginiyagala	11	7	5	114
Udawalawe	6	3	3	51
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	272	6,490
Puttalam Coal III	270	270	272	6,524
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	152	3,762
Sapugaskanda A	70	48	51	1,116
Sapugaskanda B	70	63	63	1,446
Uthura Janani	26	24	0	89
Barge CEB	60	60	59	1,431
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	130	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,366	1,723	34,680

Plant availability is the availability recorded at 6 am on

January 15, 2023

Contribution to the Night Peak in MW

January 14, 2023

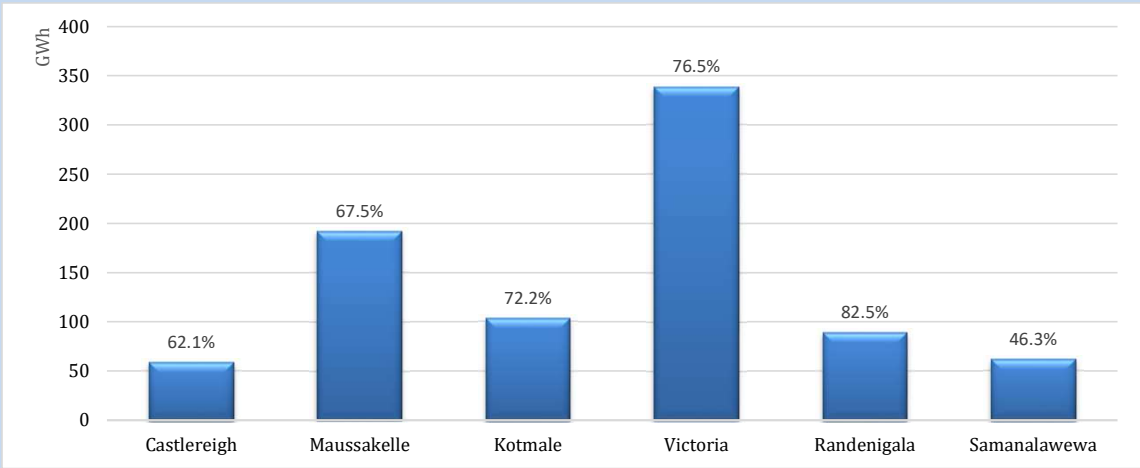


Night Peak*	1,721.5 MW
Day Peak	1,536.6 MW
Minimum Demand	1,164.8 MW

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

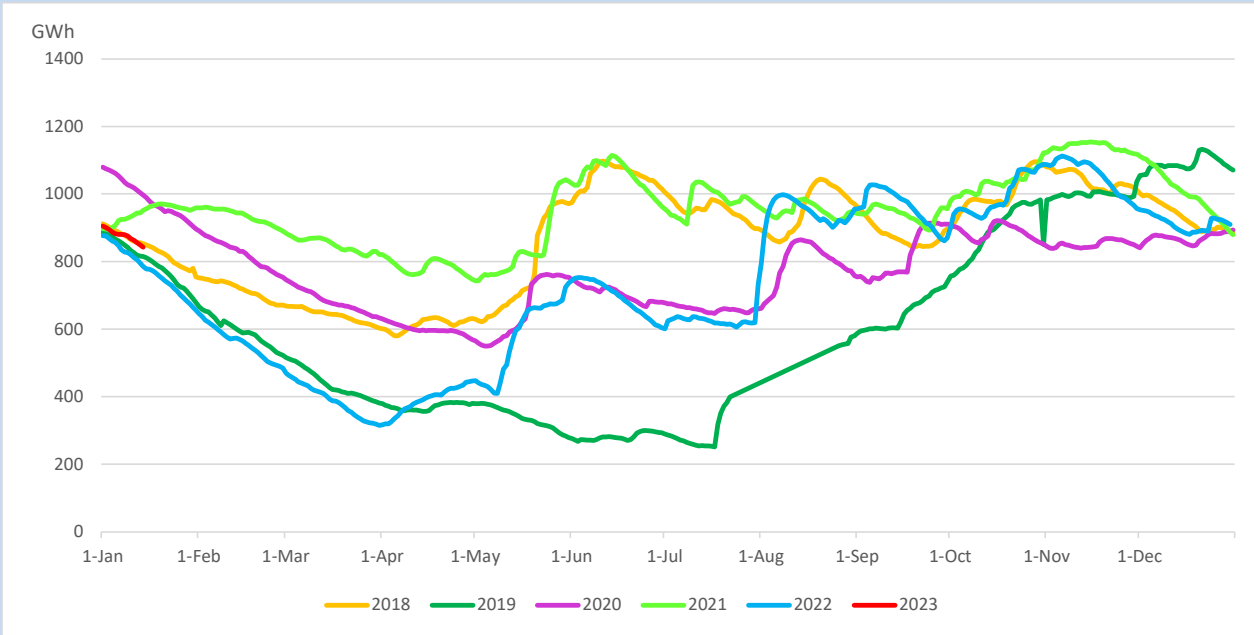
Reservoir Levels -

as at 06.00 Hr on January 15, 2023

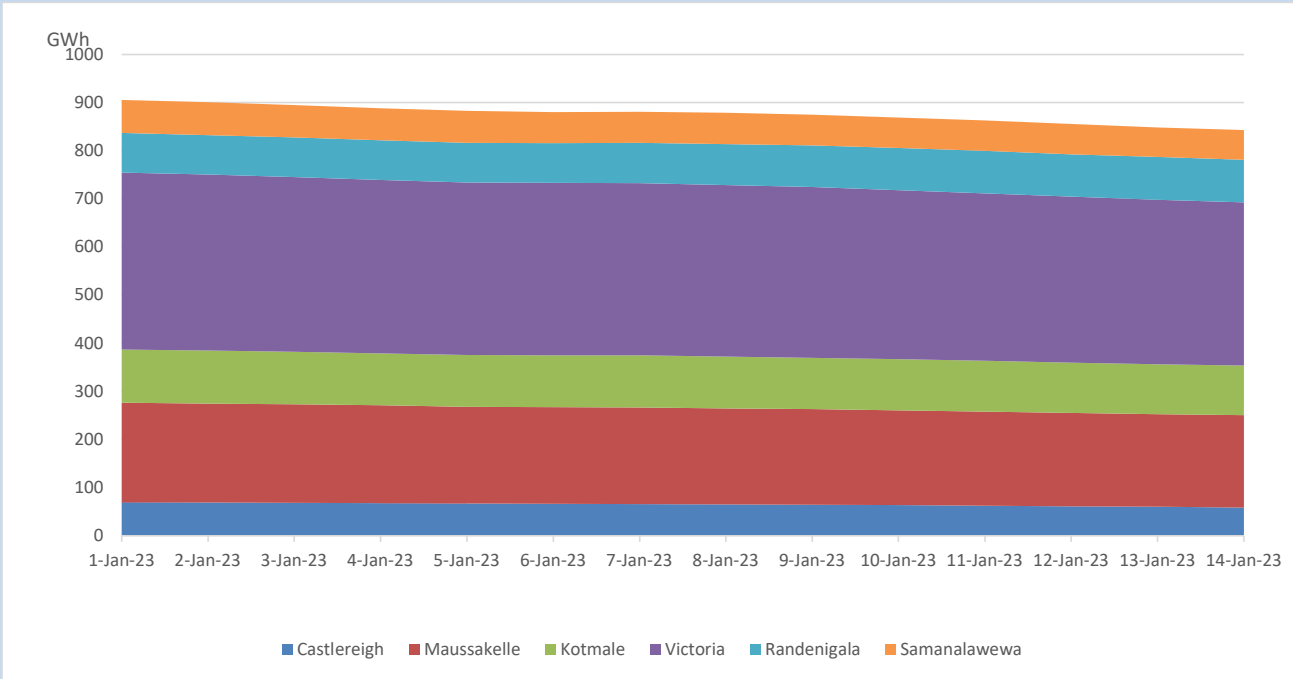


Total Reservoir Level	842.7 GWh
% of Total capacity	69.9%

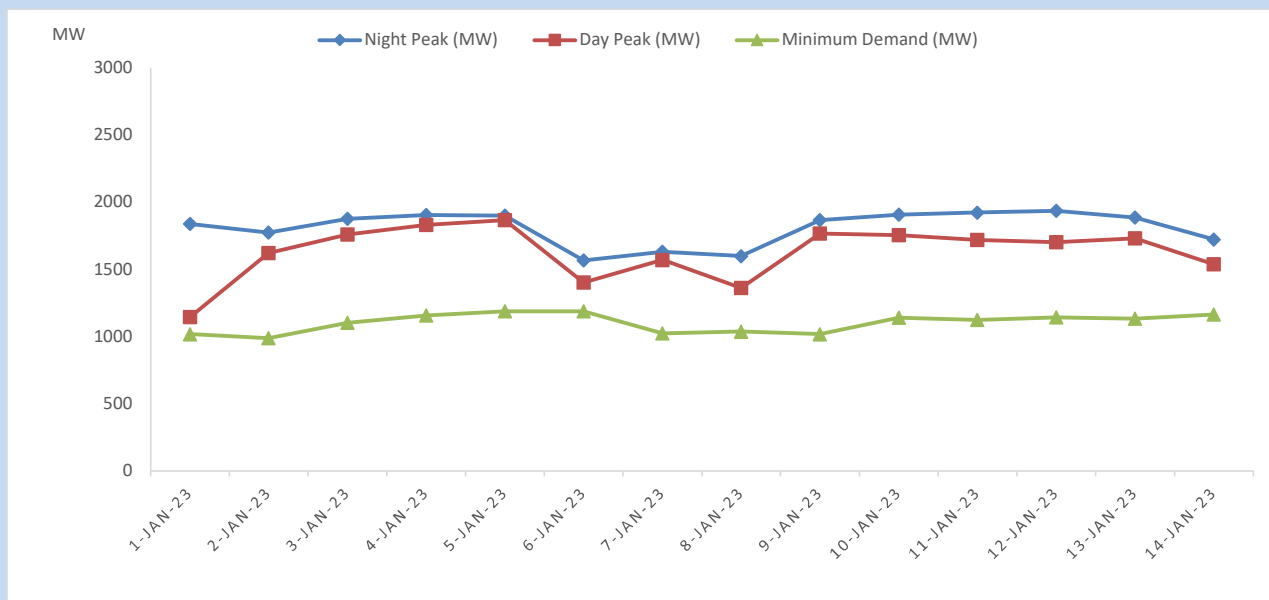
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

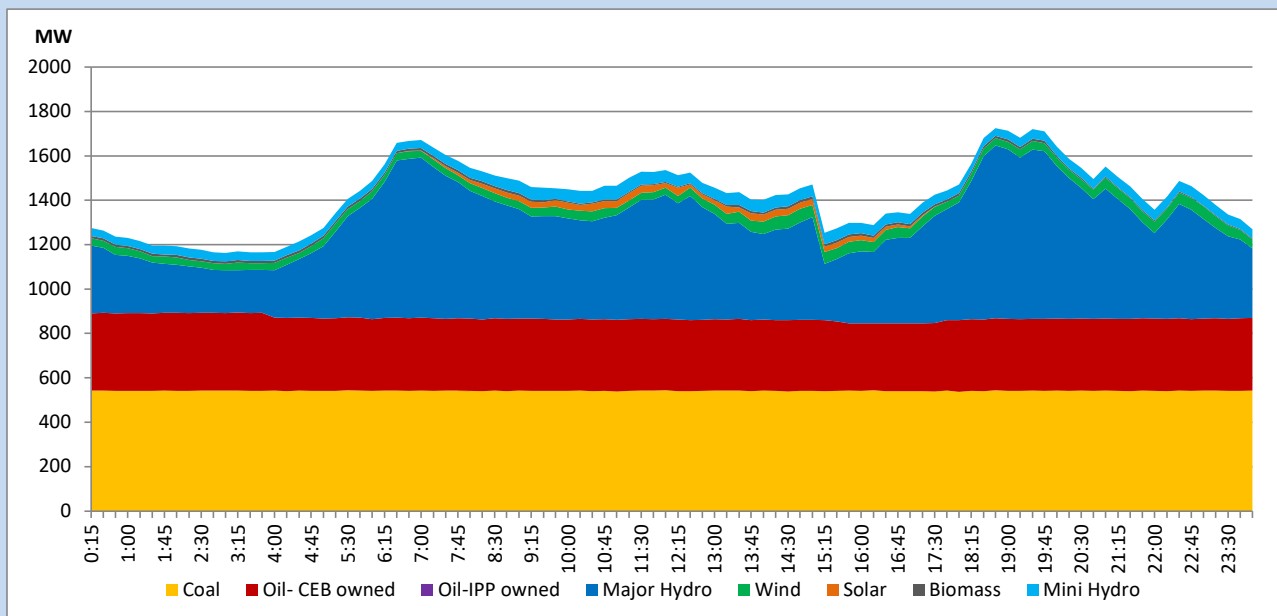


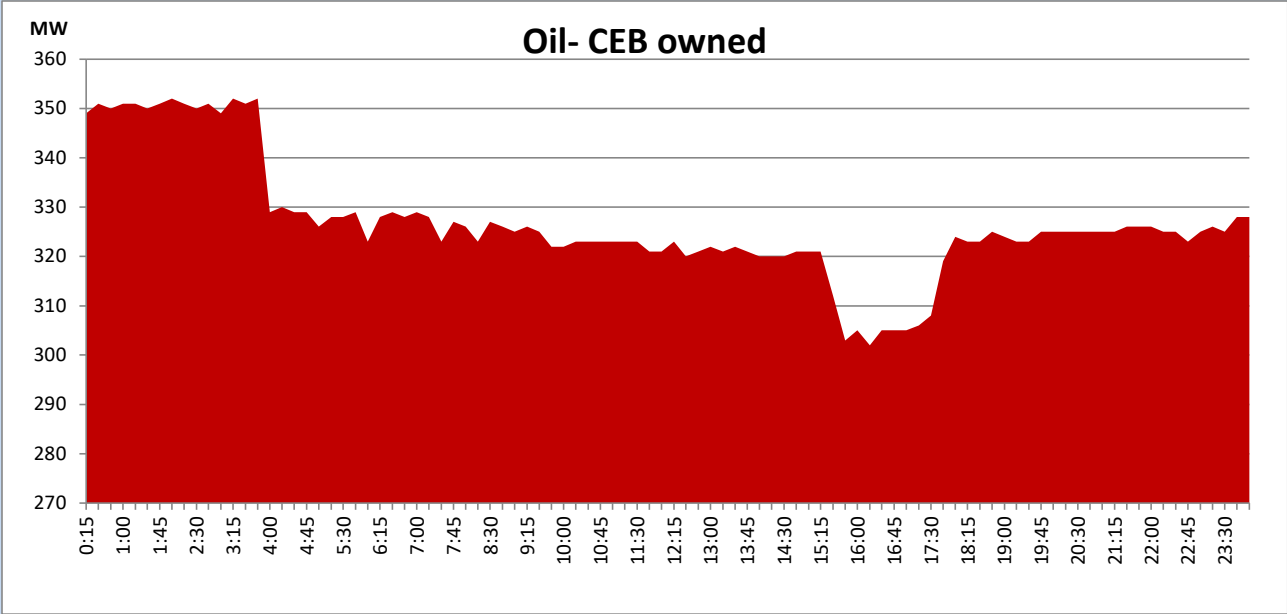
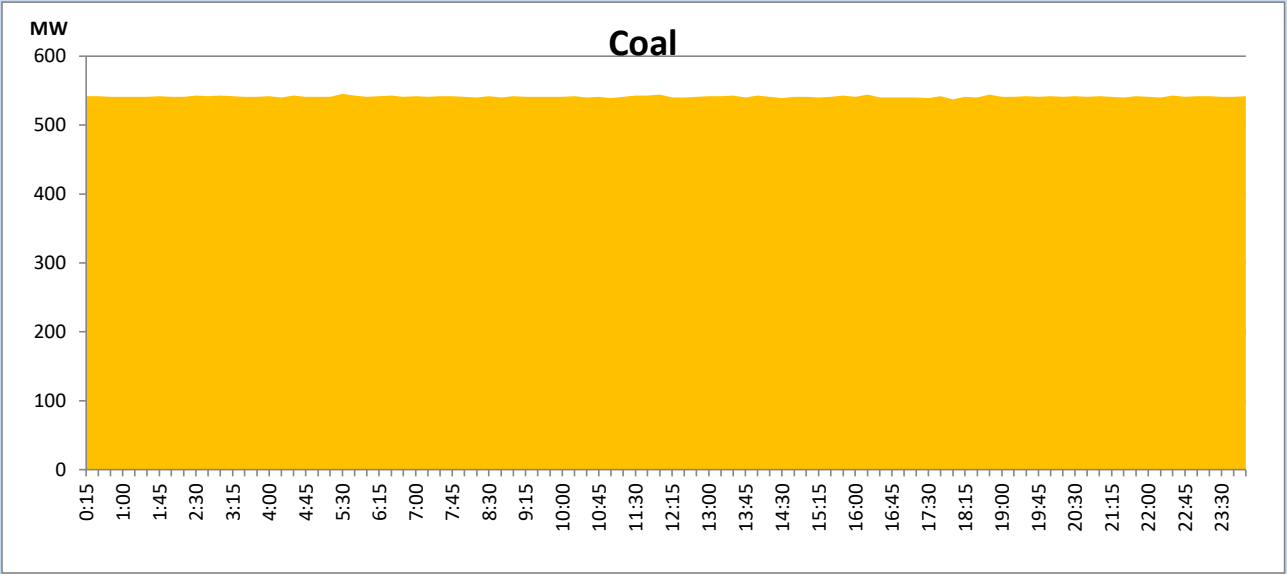
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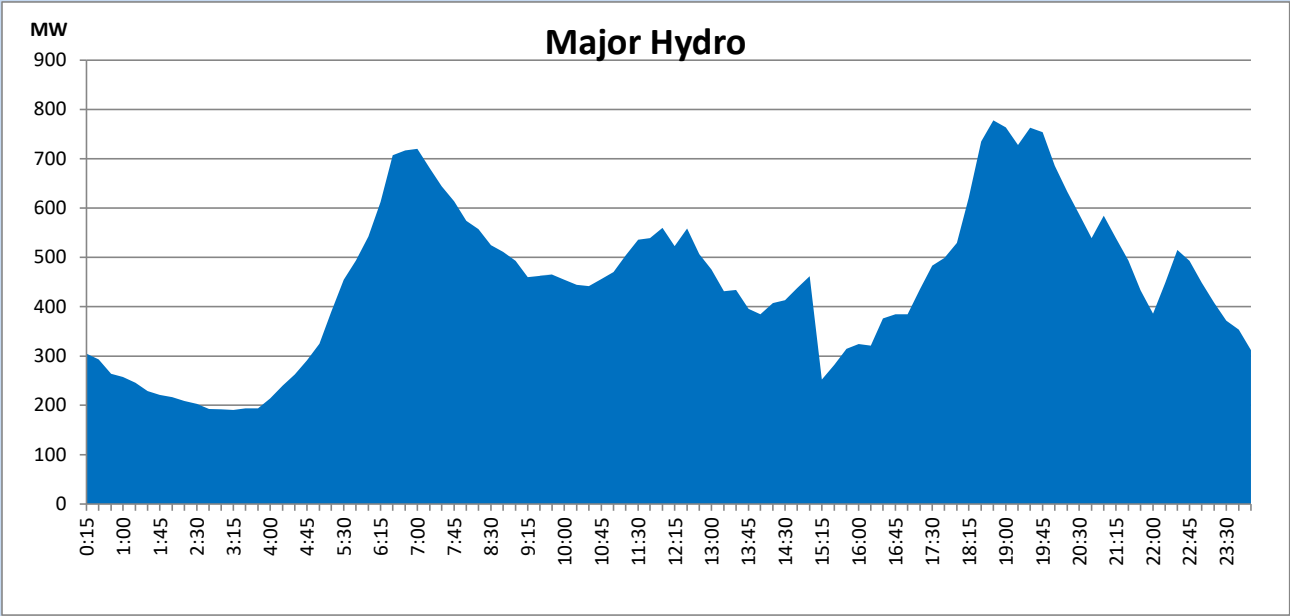
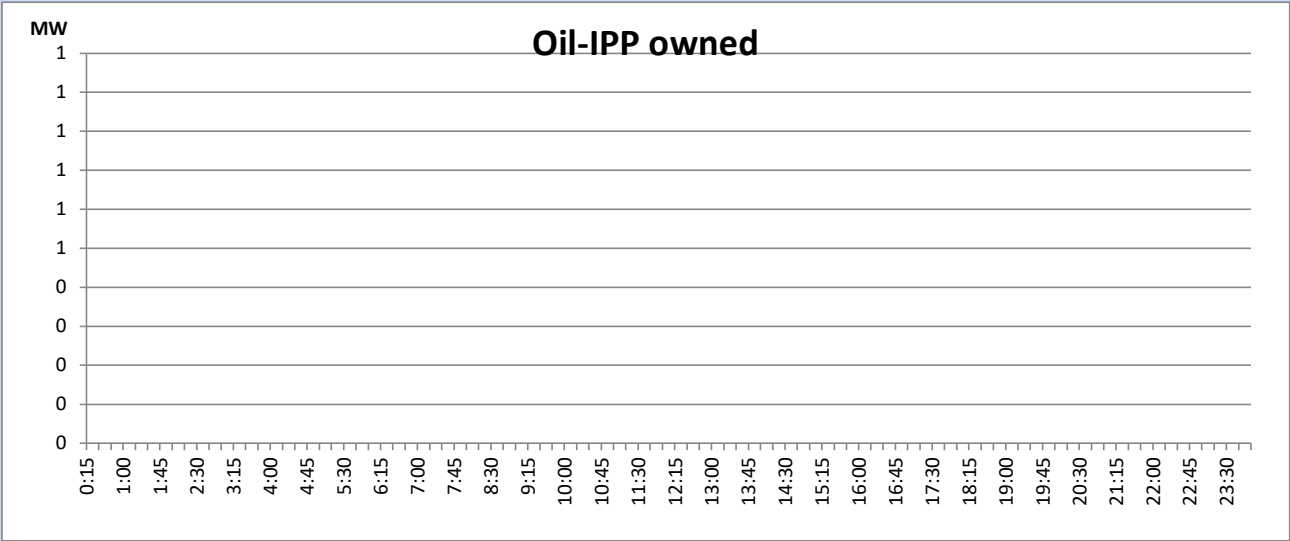
Daily Load Curve of the Previous day

January 14, 2023

Solar and wind data is based on Telemetered Power Stations only



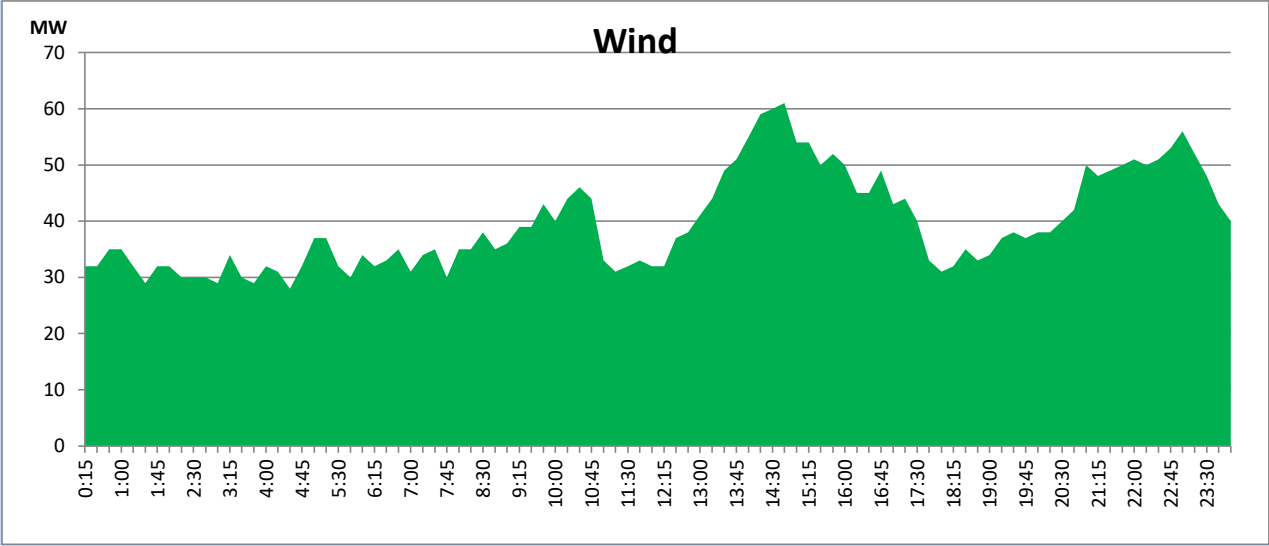




Wind Generation during the Previous day

January 13, 2023

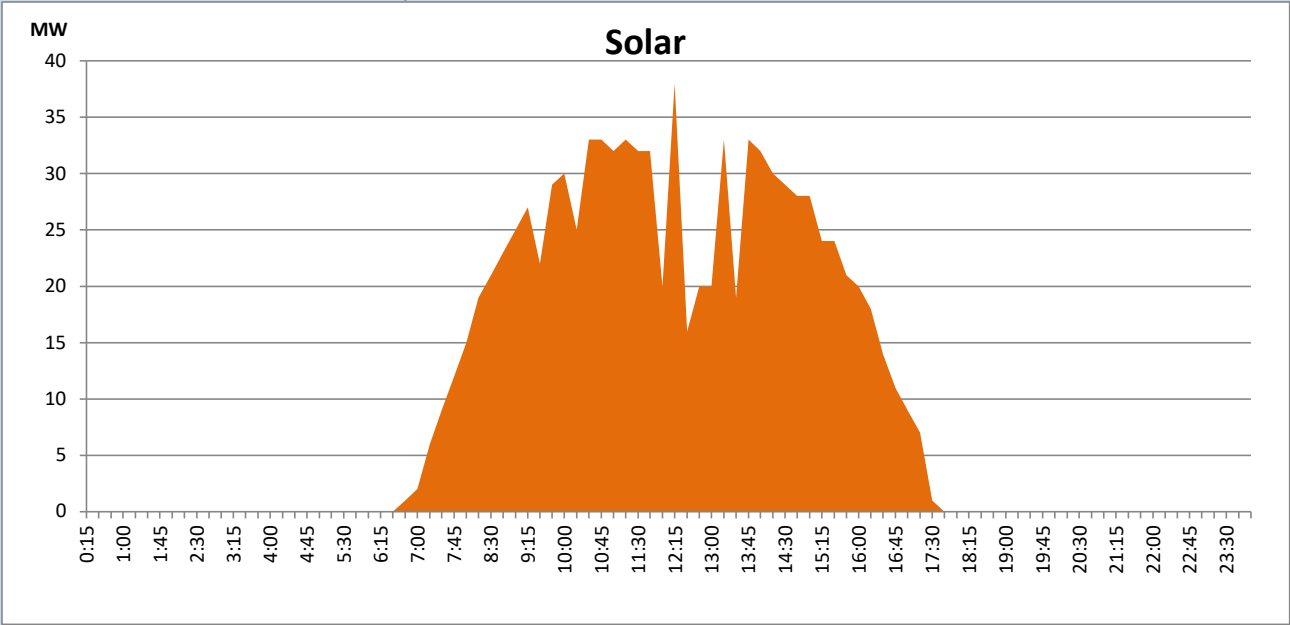
Based on Telemetered Power Stations only



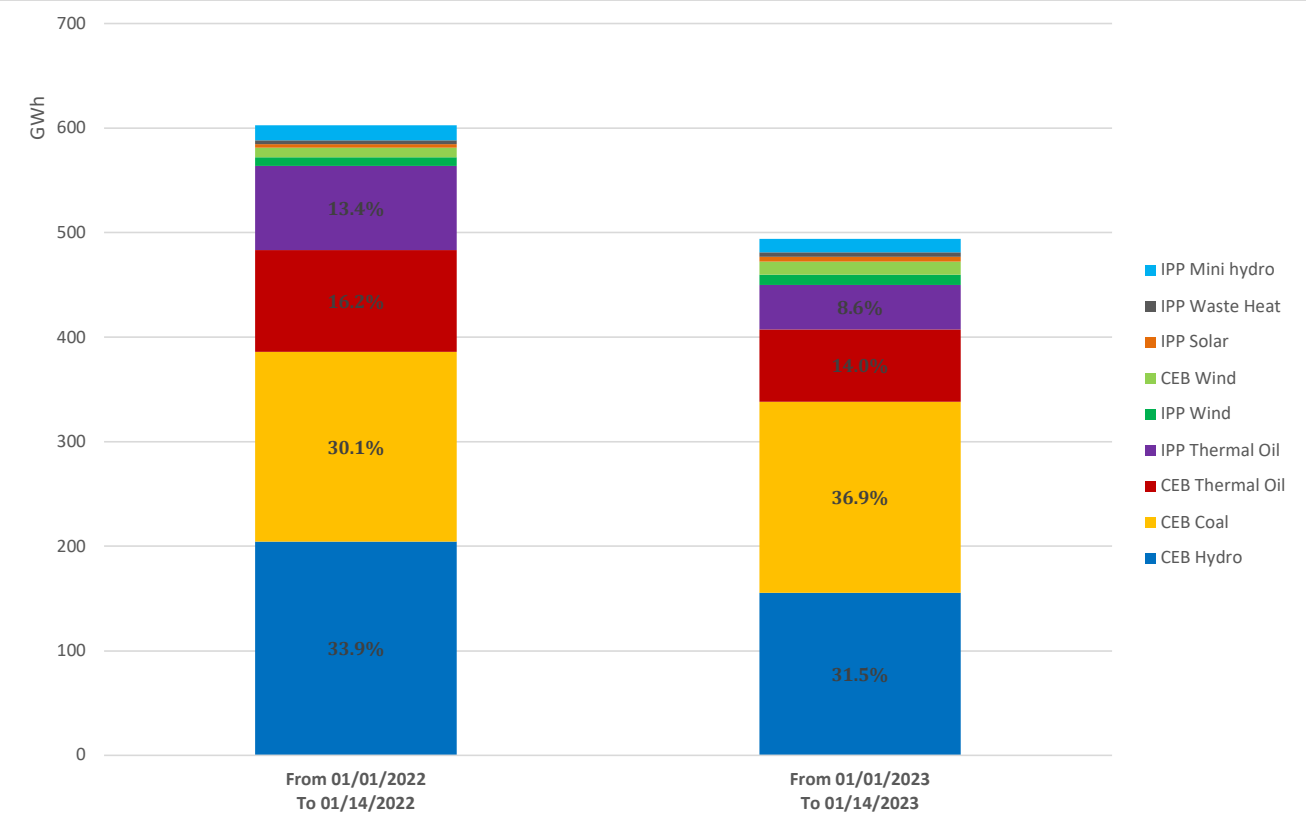
Solar Generation during the Previous day

January 13, 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 14, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) Puttalam - N'Anu cct 02 tripped and A/R from both ends at 7:03hrs due to the operation of distance protection.
- 3) New Polpitiya – Thulhiriya - Athurugiriya cct tripped and A/R from New Polpitiya end and tripped from New Polpitiya and Thulhiriya ends due to the operation of distance protection at 08:10hrs. The cct was normalized at 8:24hrs.
- 4) Naula – Habarana cct tripped and A/R from both ends at 12:28hrs due to the operation of distance protection.