

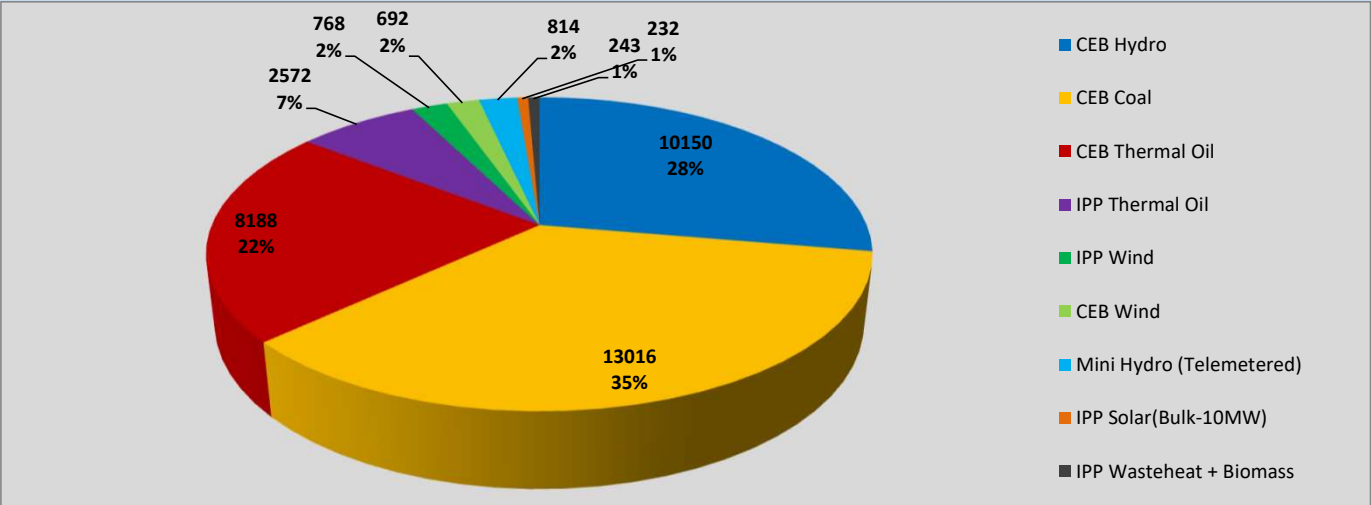
Generation and Reservoirs Statistics

January 20, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 36,675 MWh

Estimated figures of CEB generation report

- Estimated unserved energy = 2.11 GWh
- Estimated Mini Hydro (Non telemetered) = 1706 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

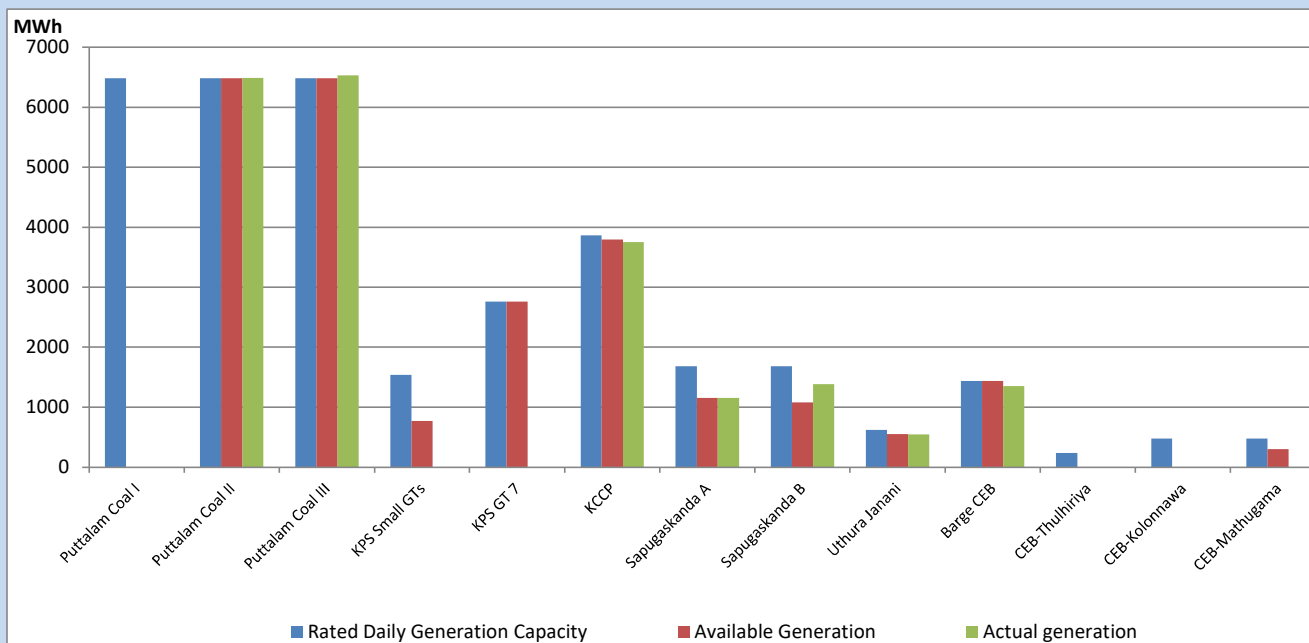
Category	Dispatch (GWh)	
CEB Hydro	218	30.63%
CEB Coal	260	36.64%
CEB Thermal Oil	116	16.37%
IPP Thermal	56	7.85%
SPP Wind	13	1.89%
CEB Wind	17	2.41%
Mini Hydro (Telemetered)	18	2.54%
IPP Solar(Bulk-10MW)	6	0.83%
IPP Wasteheat + BMP	6	0.83%
Total	710	

For Current Year

Category	Dispatch (GWh)	
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CEB owned Thermal Plant Dispatch

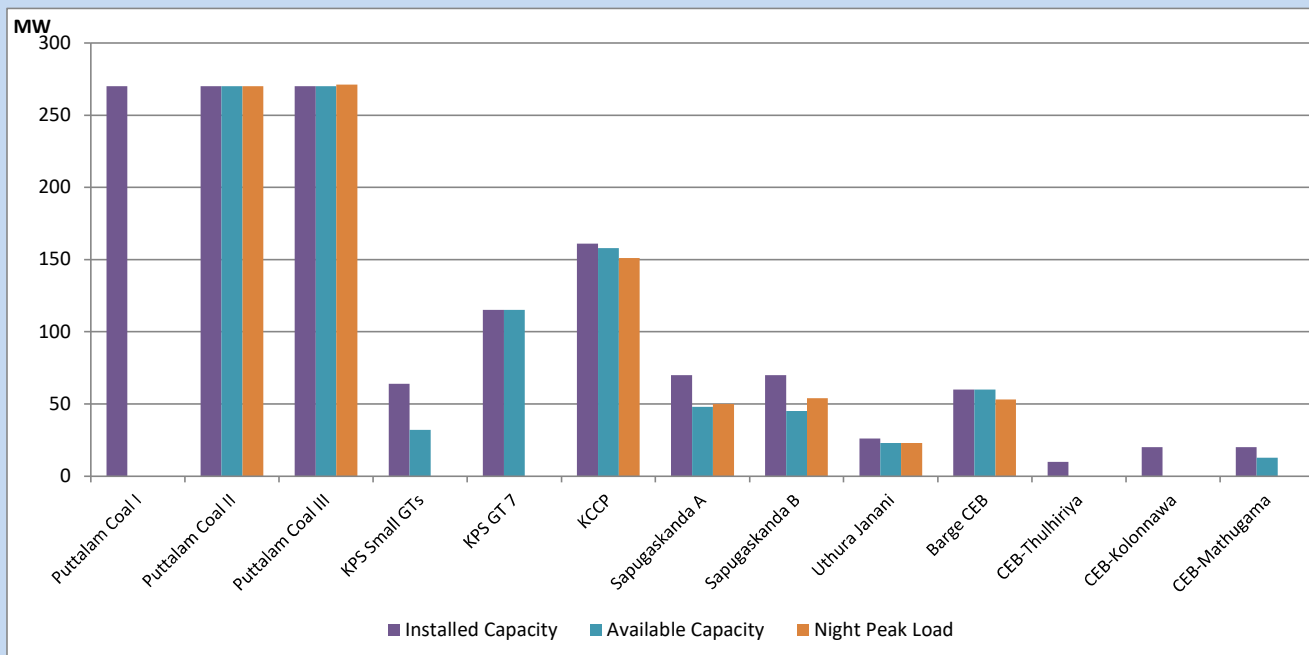
January 20, 2023



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

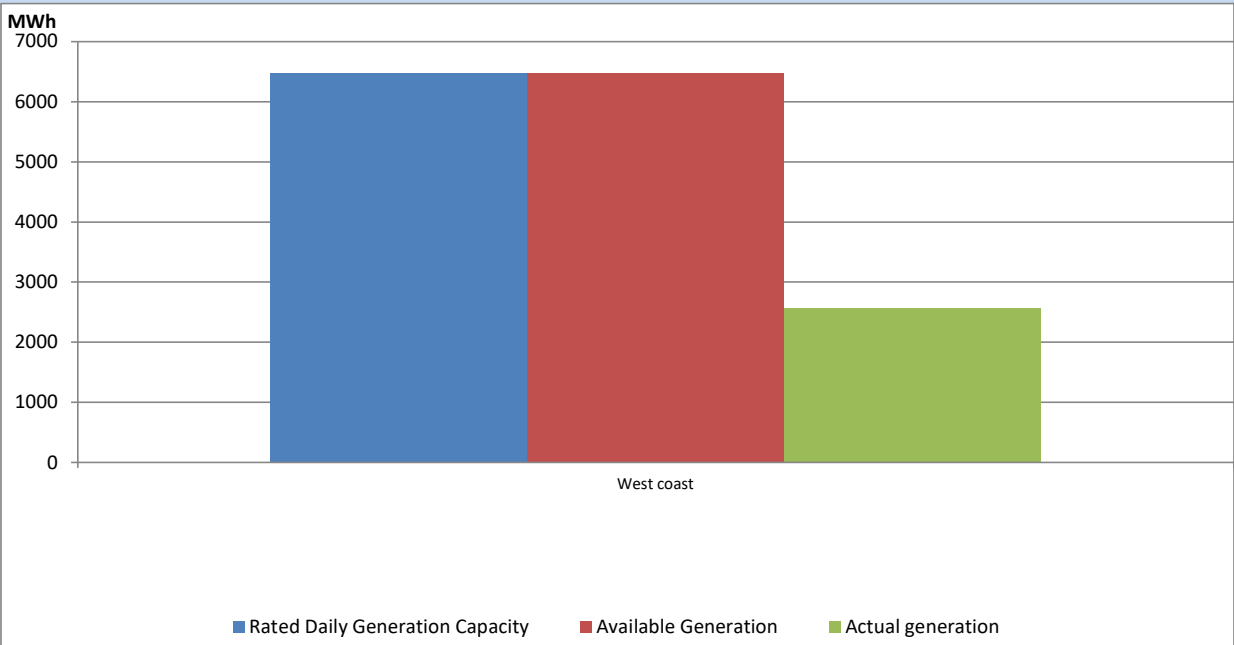
January 21, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

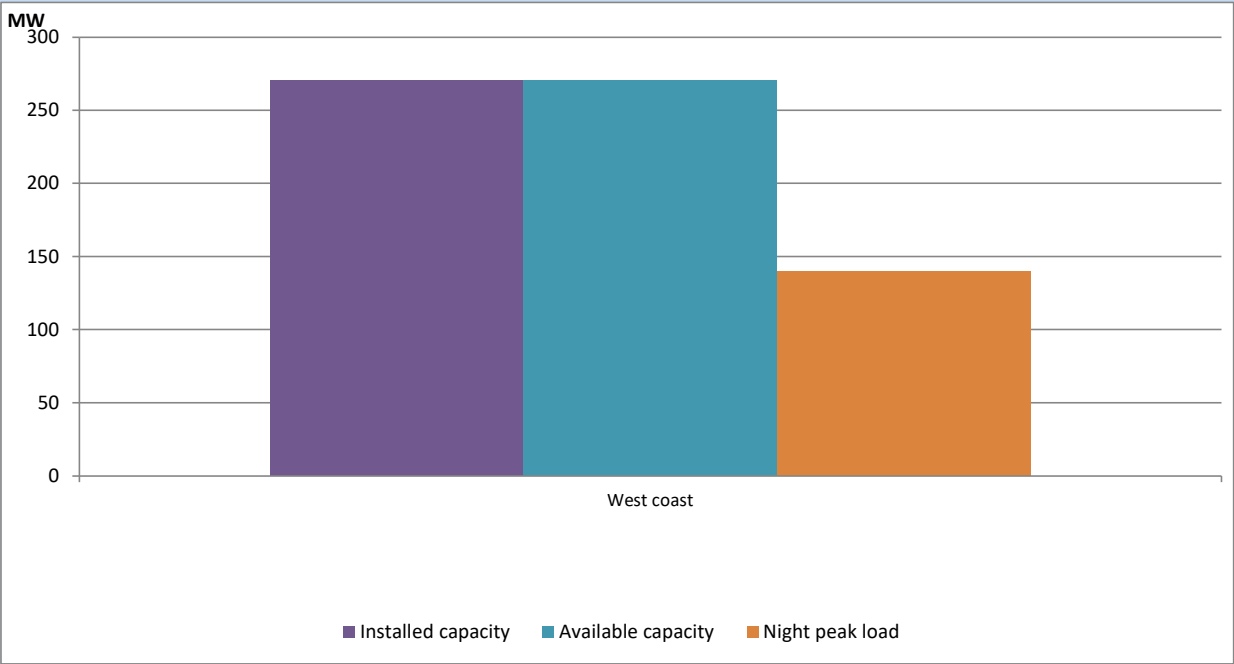
January 21, 2023



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

January 21, 2023

IPP owned Thermal Plant Loading at the Night Peak

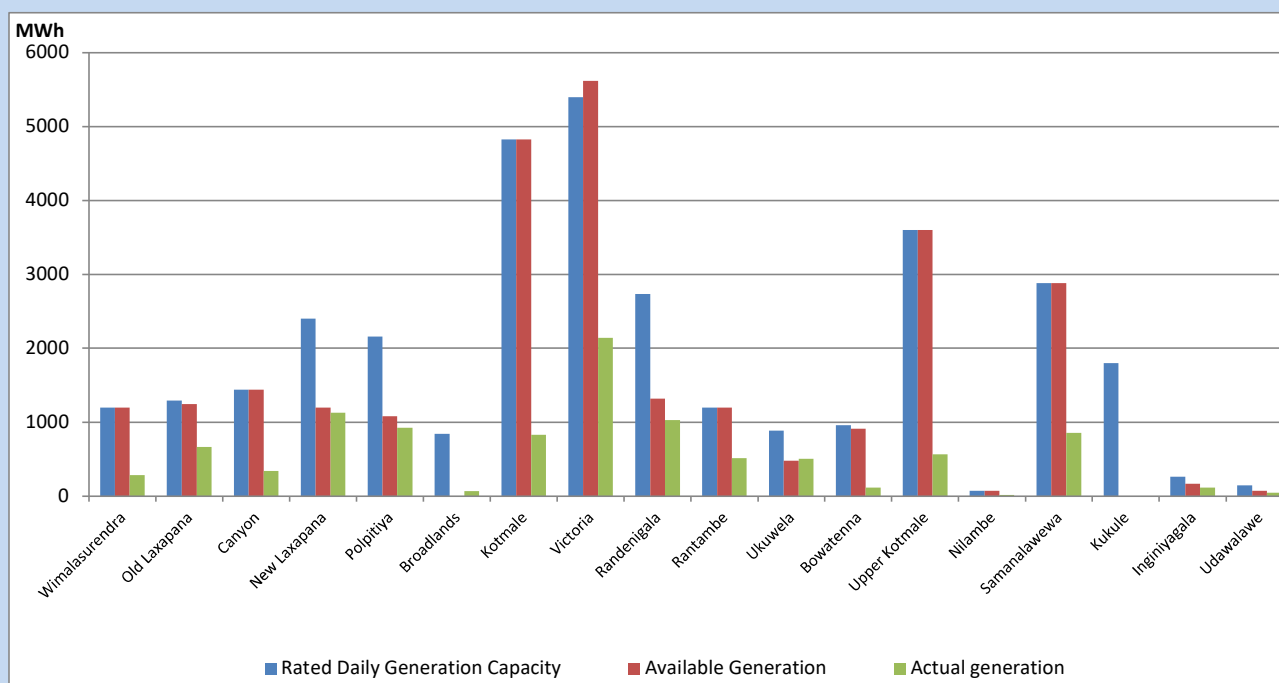


Note- Plant avilability is recorded at 6.00 am on

January 21, 2023

Major Hydro Plant Dispatch

January 20, 2023

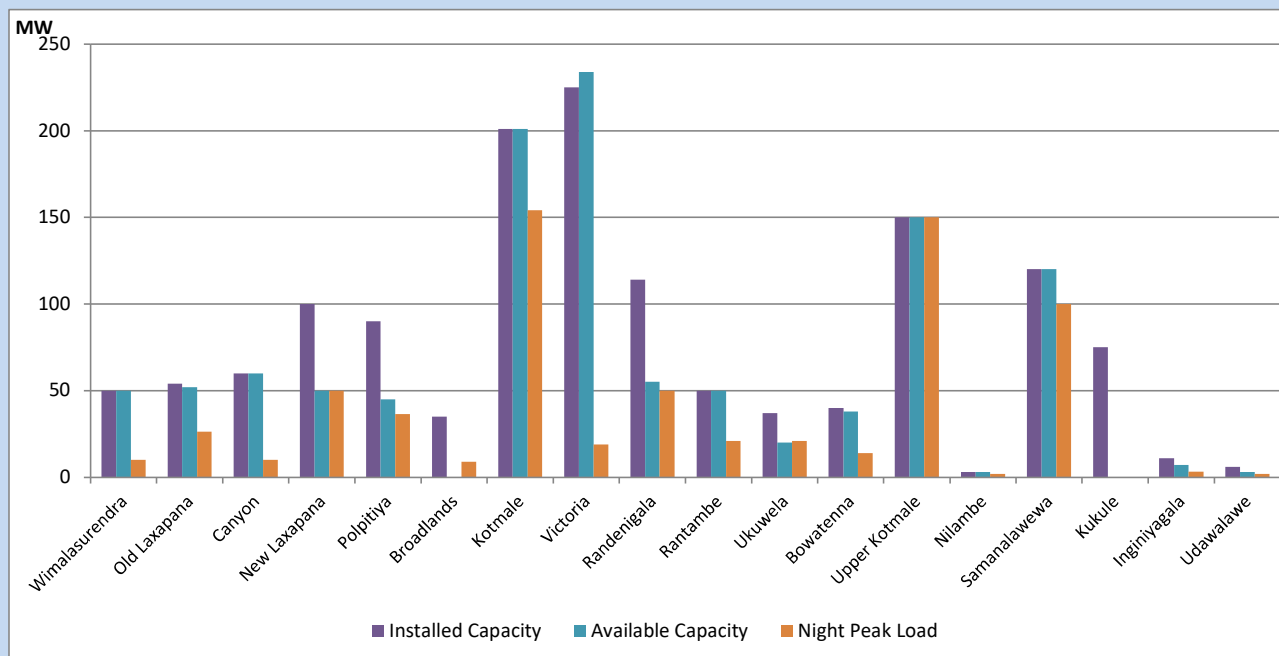


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 21, 2023

Major Hydro Plant Loading at Night Peak

January 20, 2023



Note- Plant availability is recorded at 6.00 am on

January 21, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

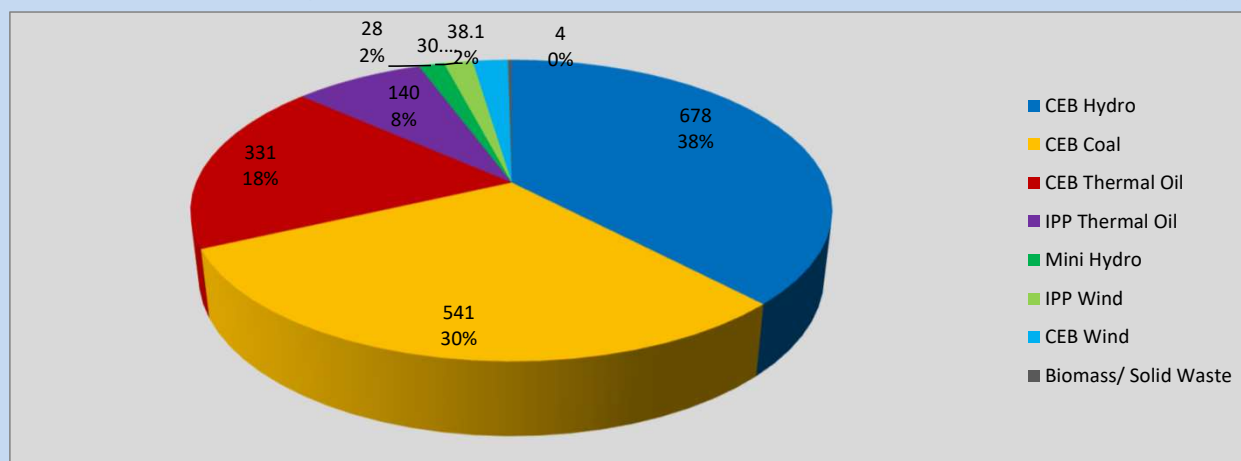
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	284
Old Laxapana	54	52	26	664
Canyon	60	60	10	342
New Laxapana	100	50	50	1,128
Polpitiya	90	45	37	925
Broadlands	35	0	9	68
Kotmale	201	201	154	830
Victoria	225	234	19	2,145
Randenigala	114	55	50	1,027
Rantambe	50	50	21	514
Ukuwela	37	20	21	504
Bowatenna	40	38	14	118
Upper Kotmale	150	150	150	569
Nilambe	3	3	2	19
Samanalawewa	120	120	100	854
Kukule	75	0	0	0
Inginiyagala	11	7	3	114
Udawalawe	6	3	2	45
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,485
Puttalam Coal III	270	270	271	6,531
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	151	3,749
Sapugaskanda A	70	48	50	1,157
Sapugaskanda B	70	45	54	1,382
Uthura Janani	26	23	23	548
Barge CEB	60	60	53	1,352
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	140	2,572
Nothorn Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,442	1,791	36,675

Plant availability is the availability recorded at 6 am on

January 21, 2023

Contribution to the Night Peak in MW

January 20, 2023

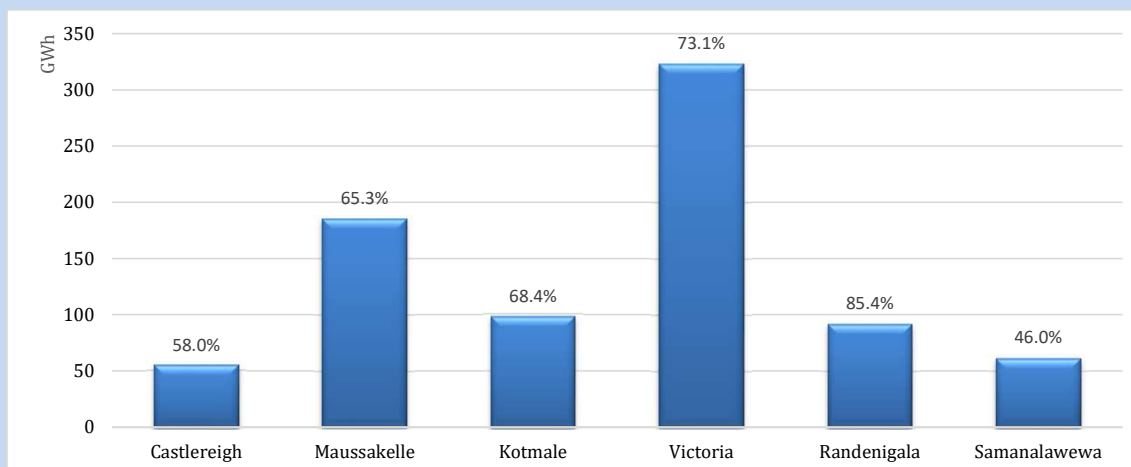


Night Peak*	1,790.5 MW
Day Peak	1,700.1 MW
Minimum Demand	1,136.5 MW

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

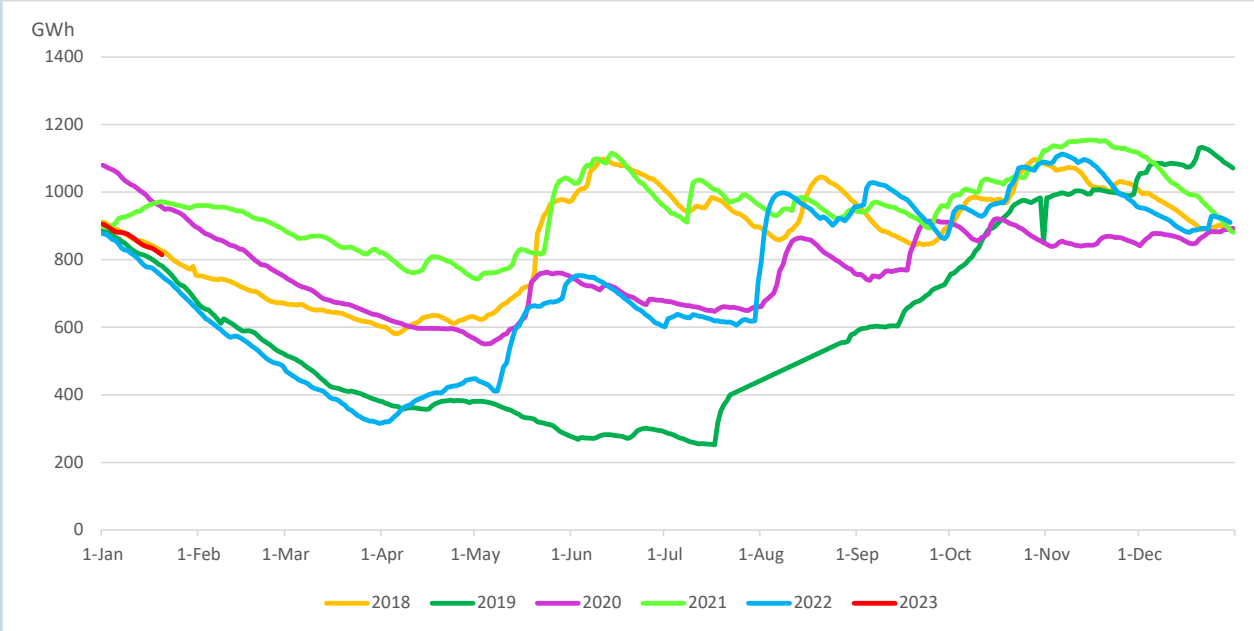
Reservoir Levels -

as at 06.00 Hr on January 21, 2023

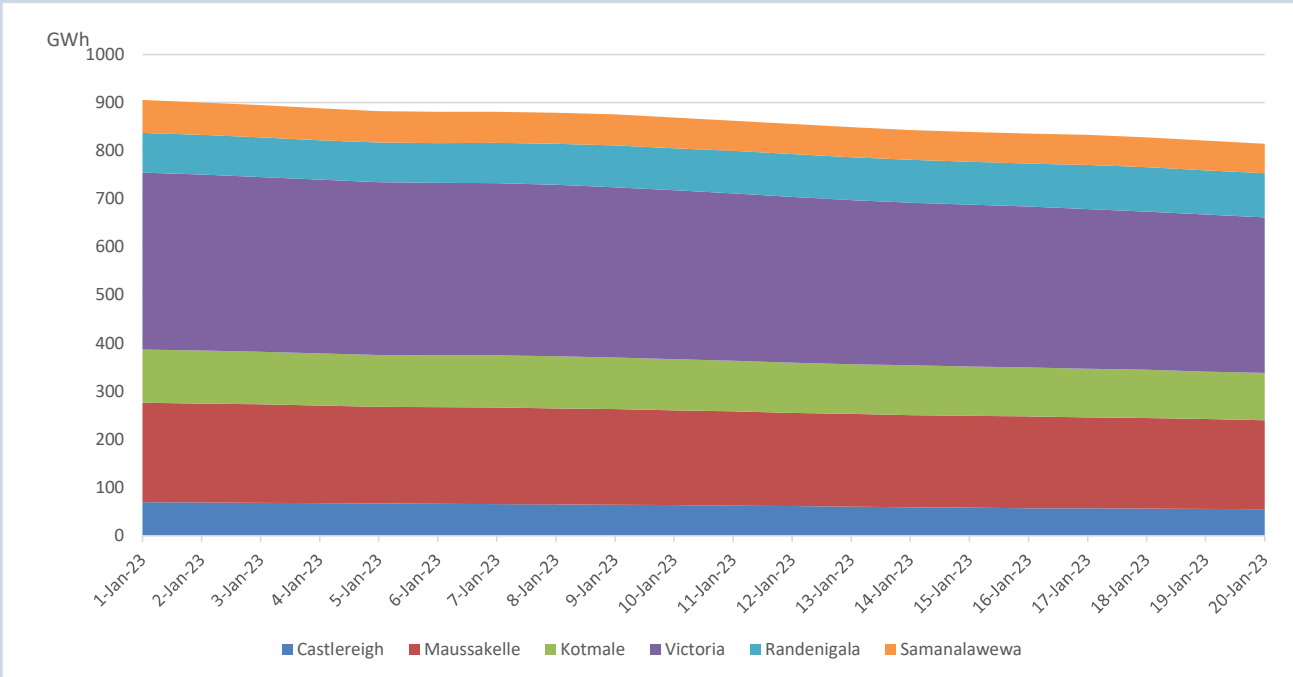


Total Reservoir Level	814.6 GWh
% of Total capacity	67.6%

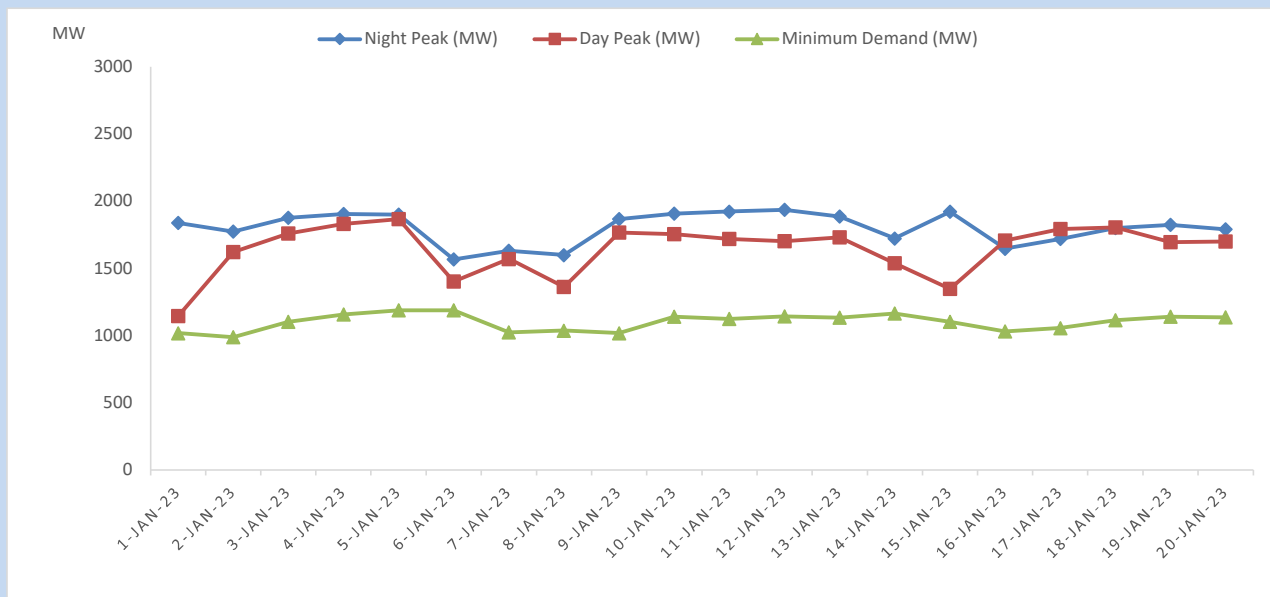
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

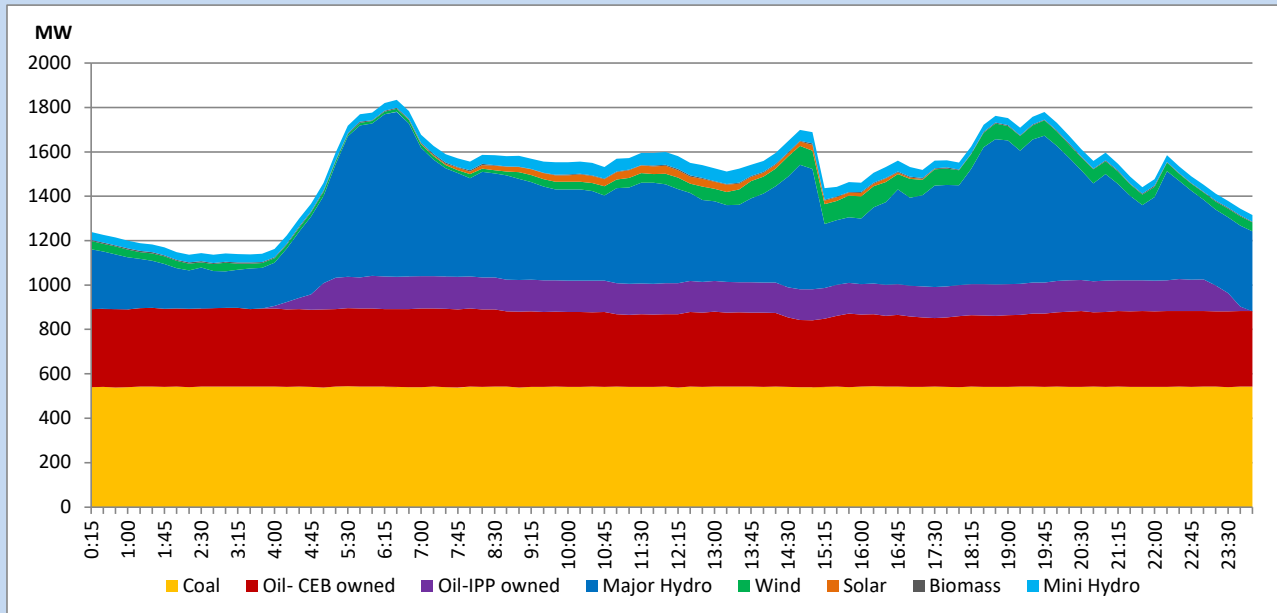


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve of the Previous day

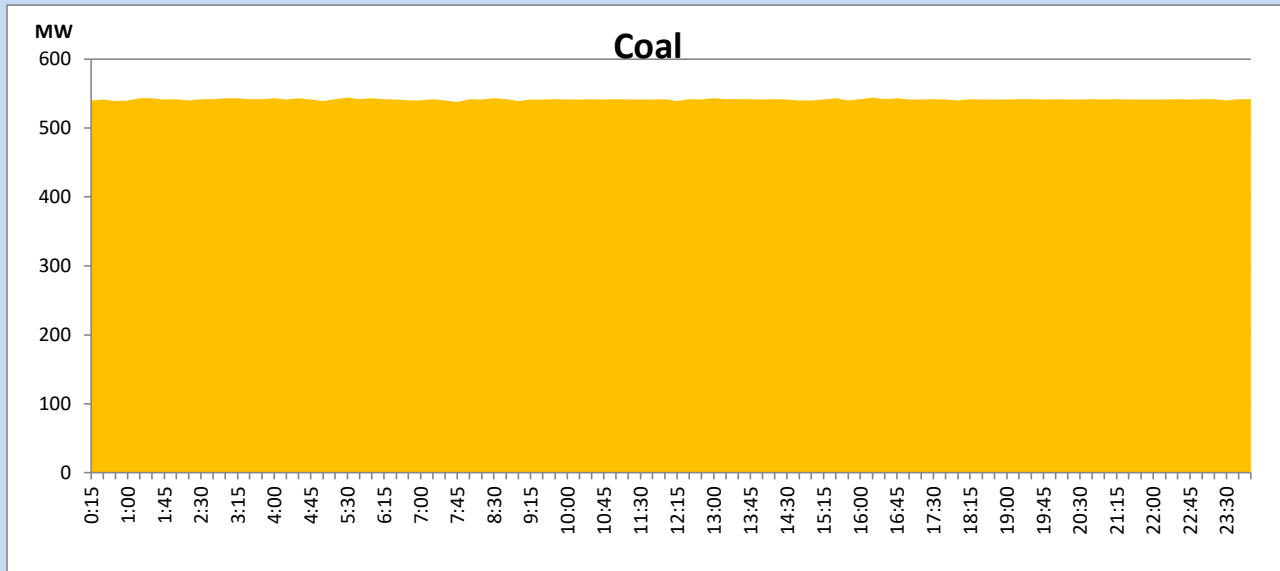
January 20, 2023

Solar and wind data is based on Telemetered Power Stations only



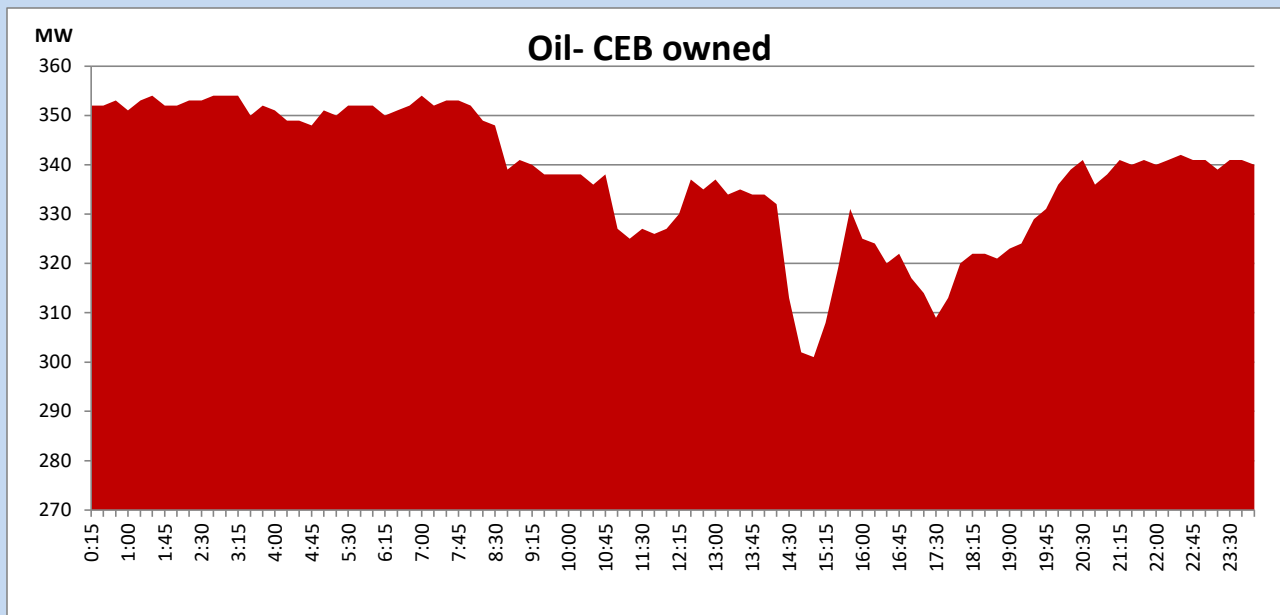
Coal Generation during the Previous day

January 20, 2023



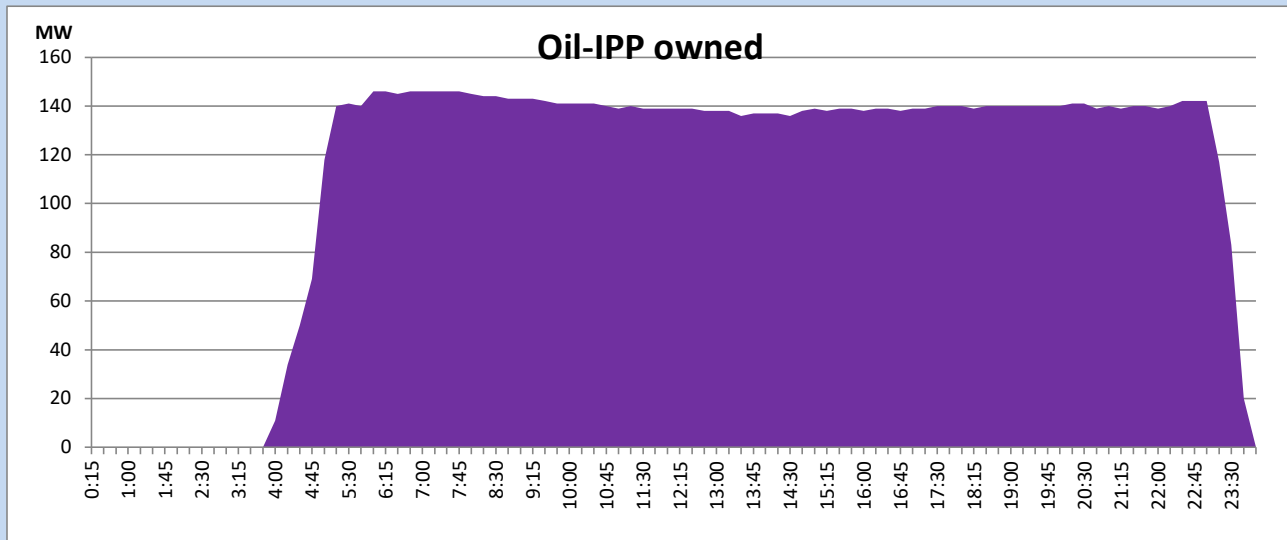
CEB Oil Plant Generation during the Previous day

January 20, 2023



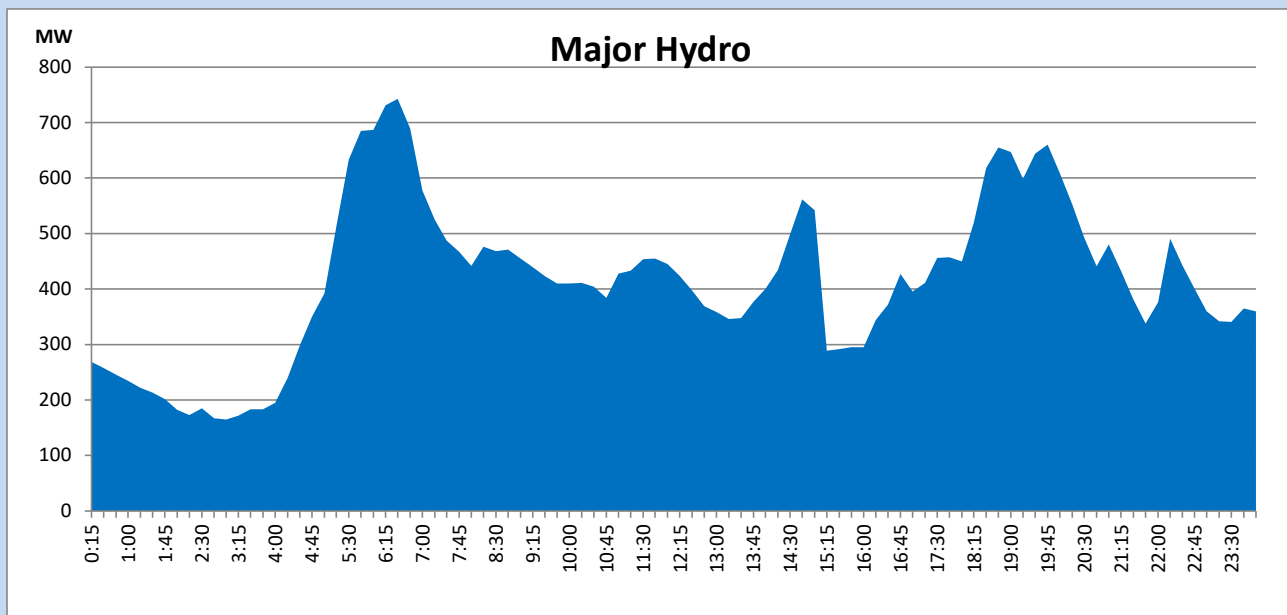
IPP Oil Plant Generation during the Previous day

January 20, 2023



Major Hydro Generation during the Previous day

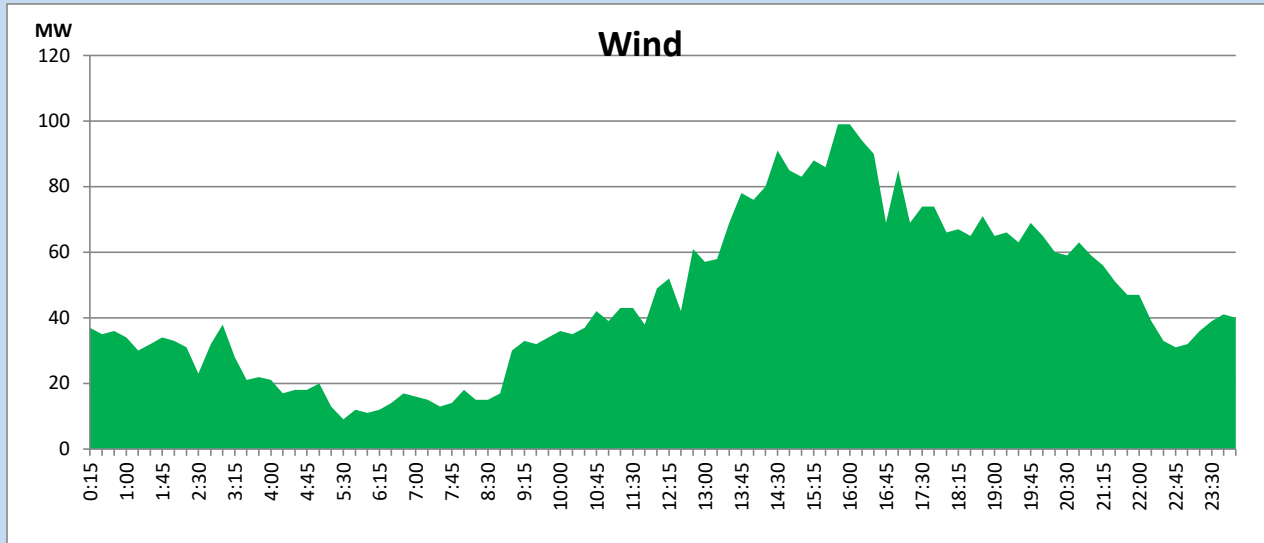
January 20, 2023



Wind Generation during the Previous day

January 20, 2023

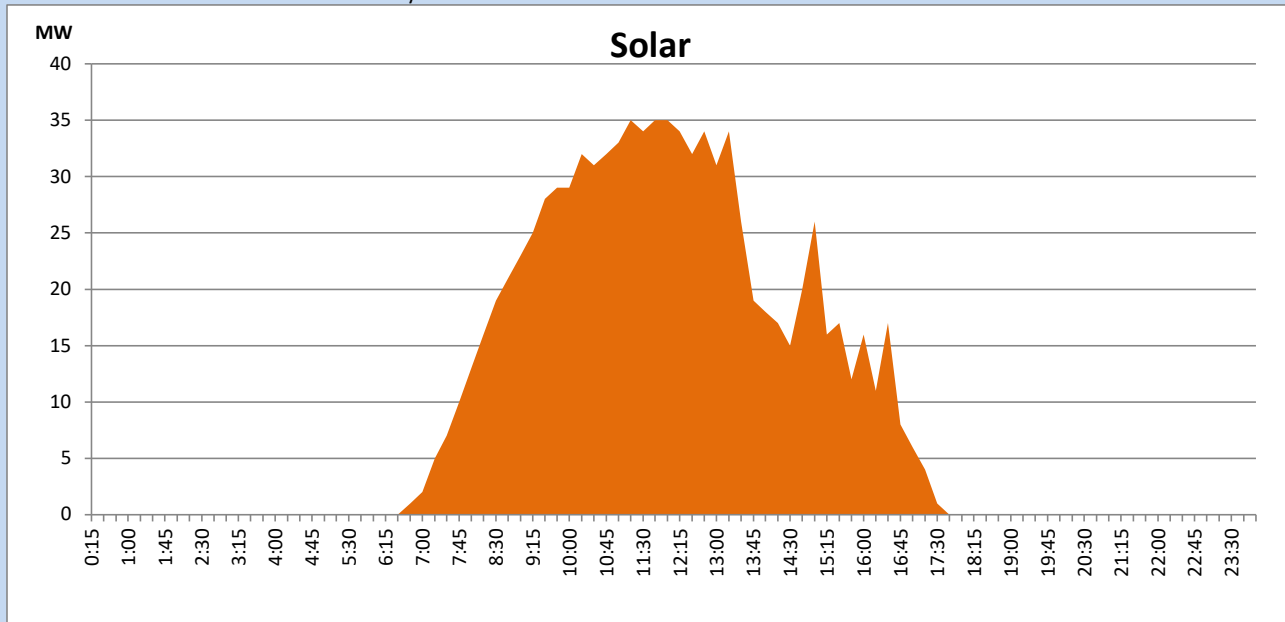
Based on Telemetered Power Stations only



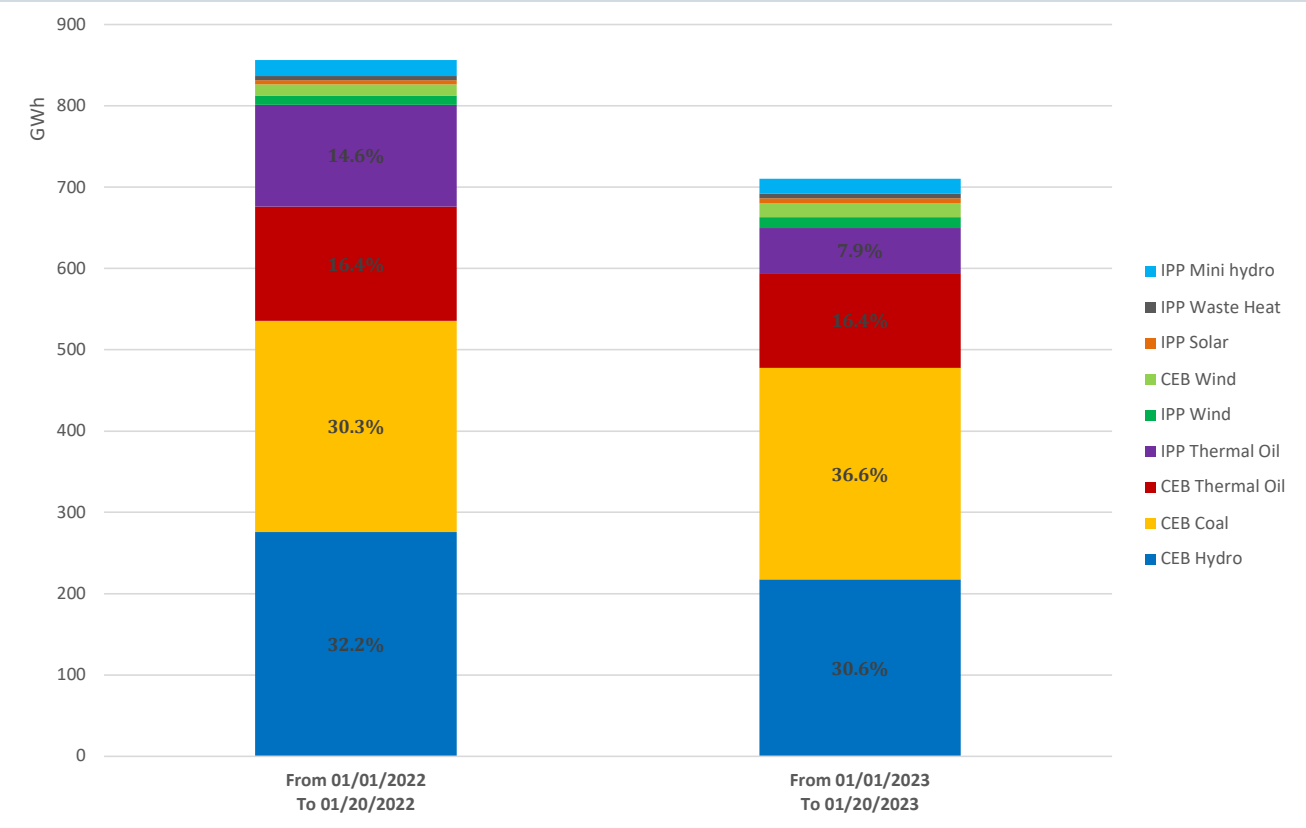
Solar Generation during the Previous day

January 20, 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 20, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) New Anuradhapura - Trinco 132kV cct tripped and A/R from both ends at 00:38hrs(21/01/2023) due to the operation of differential protection.
- 3) LVPS unit 01 tripped at 3:06hrs rejecting 90MW from the system while loading after synchronizing at 1:48hrs. At the same time Power Barge DG 02 & 04 tripped and DG 01 & 03 deloaded to 0MW rejecting 30MW from the system. System recovered with operation of UFLS stage 01. LVPS unit 01 resumed generation at 4:27hrs.