

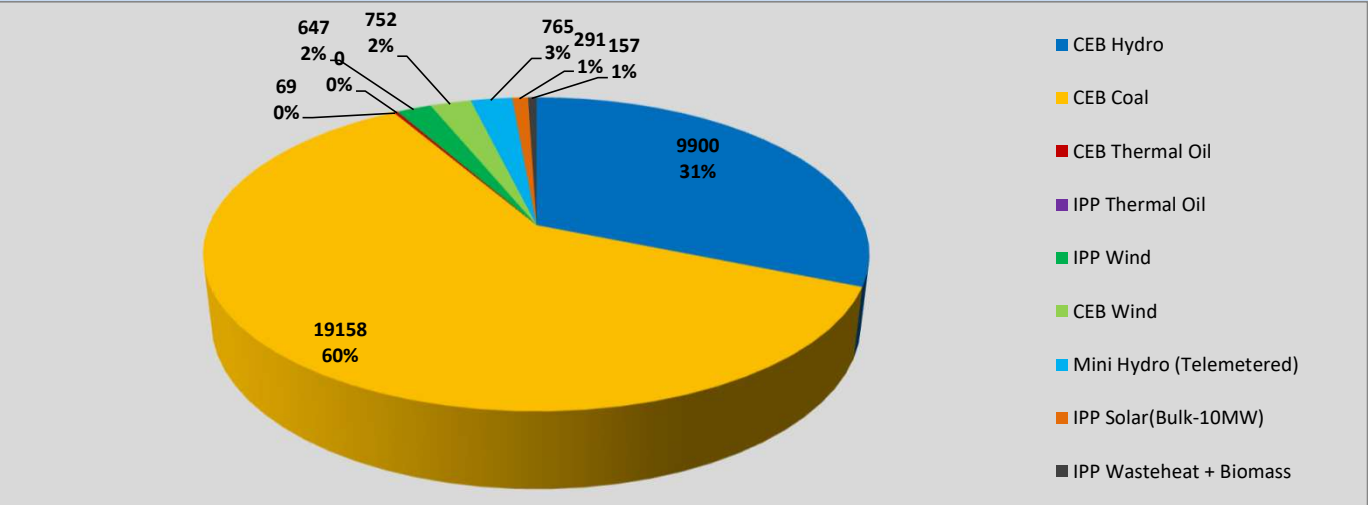
Generation and Reservoirs Statistics

January 29, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) = 31,739 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.85 GWh
 Estimated Mini Hydro (Non telemetered) = 1755 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

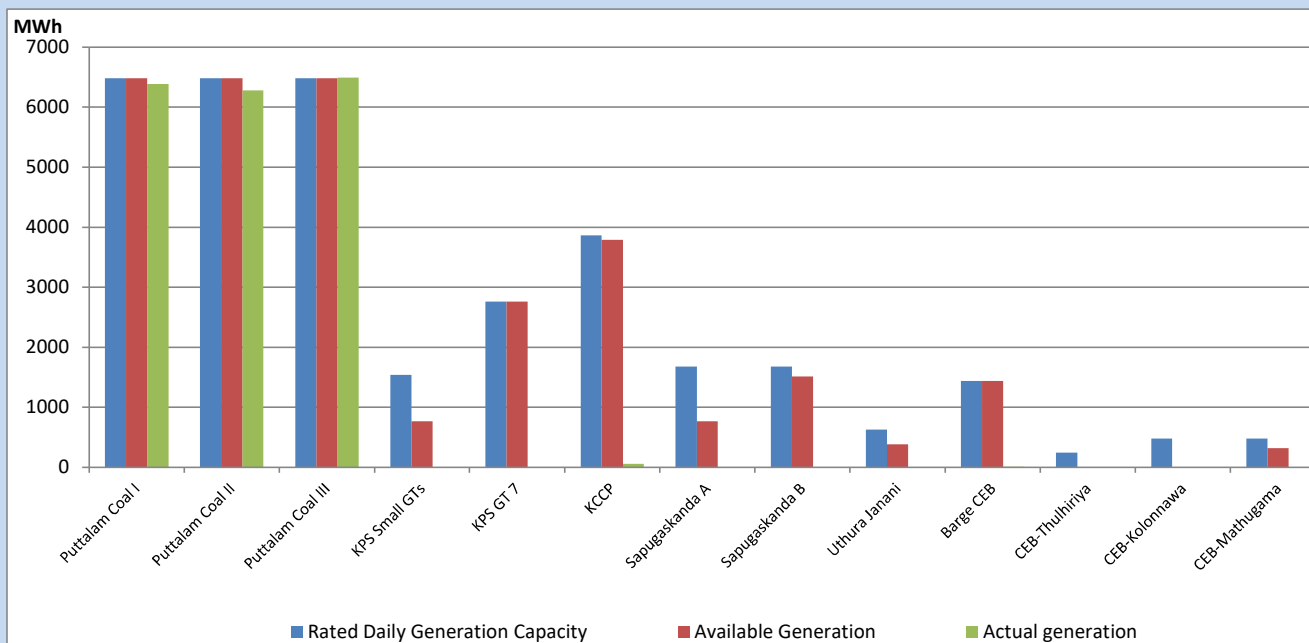
Category	Dispatch (GWh)	
CEB Hydro	305	29.46%
CEB Coal	428	41.44%
CEB Thermal Oil	161	15.53%
IPP Thermal	56	5.40%
SPP Wind	20	1.92%
CEB Wind	24	2.29%
Mini Hydro (Telemetered)	26	2.49%
IPP Solar(Bulk-10MW)	8	0.77%
IPP Wasteheat + BMP	7	0.71%
Total	1,034	

For Current Year

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CEB owned Thermal Plant Dispatch

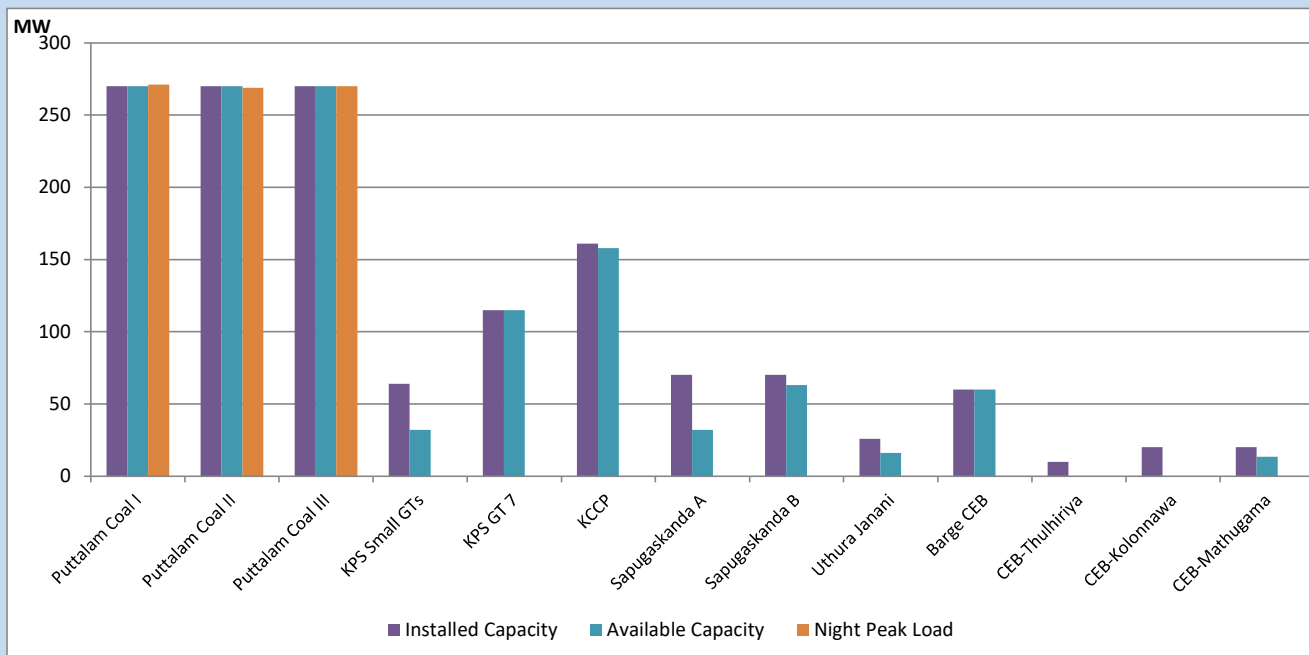
January 29, 2023



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

January 30, 2023

CEB owned Thermal Plant Loading at the Night Peak

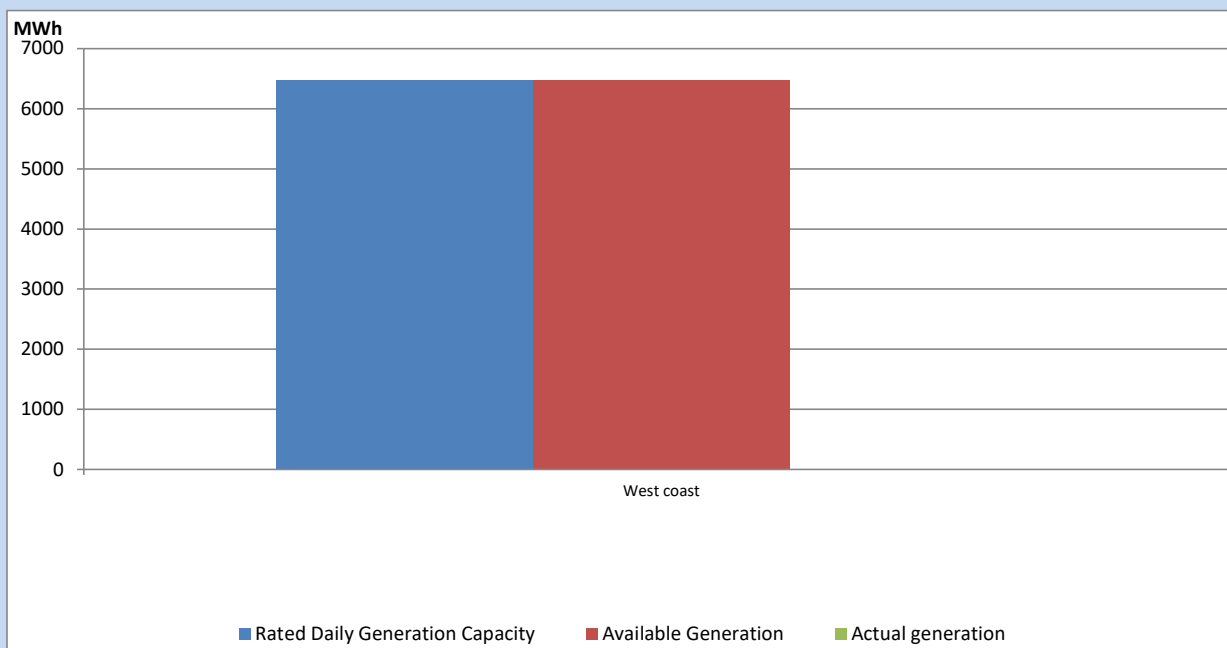


Note- Plant availability is recorded at 6.00 am on

January 30, 2023

IPP owned Thermal Plant Dispatch

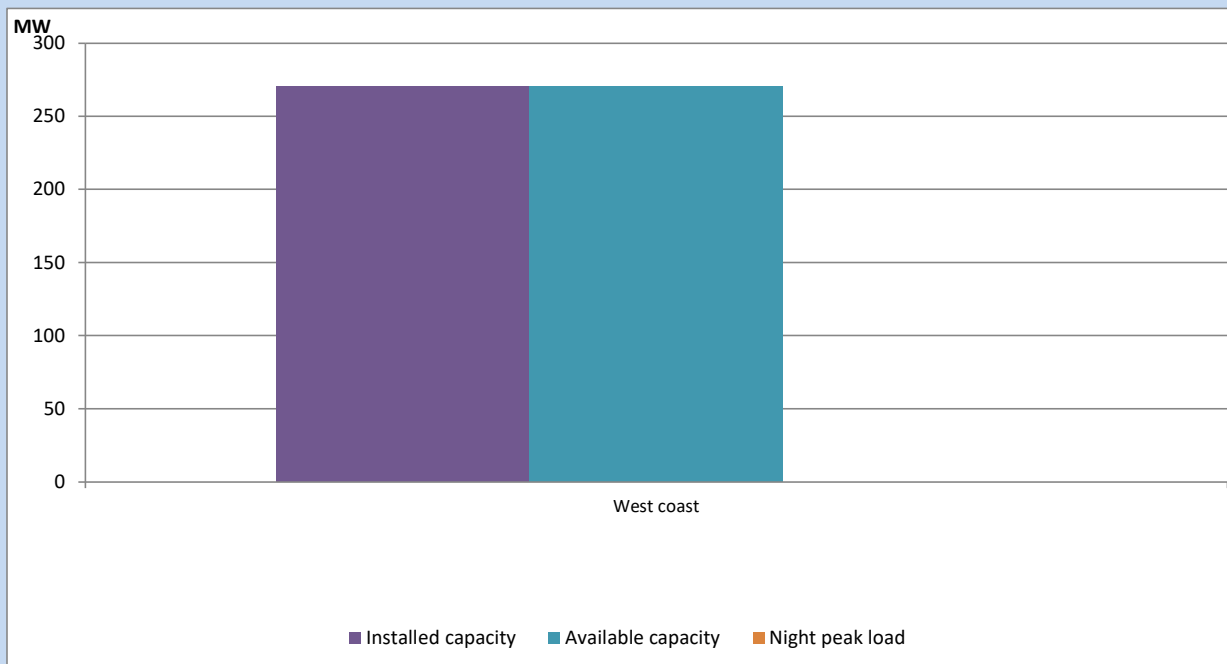
January 29, 2023



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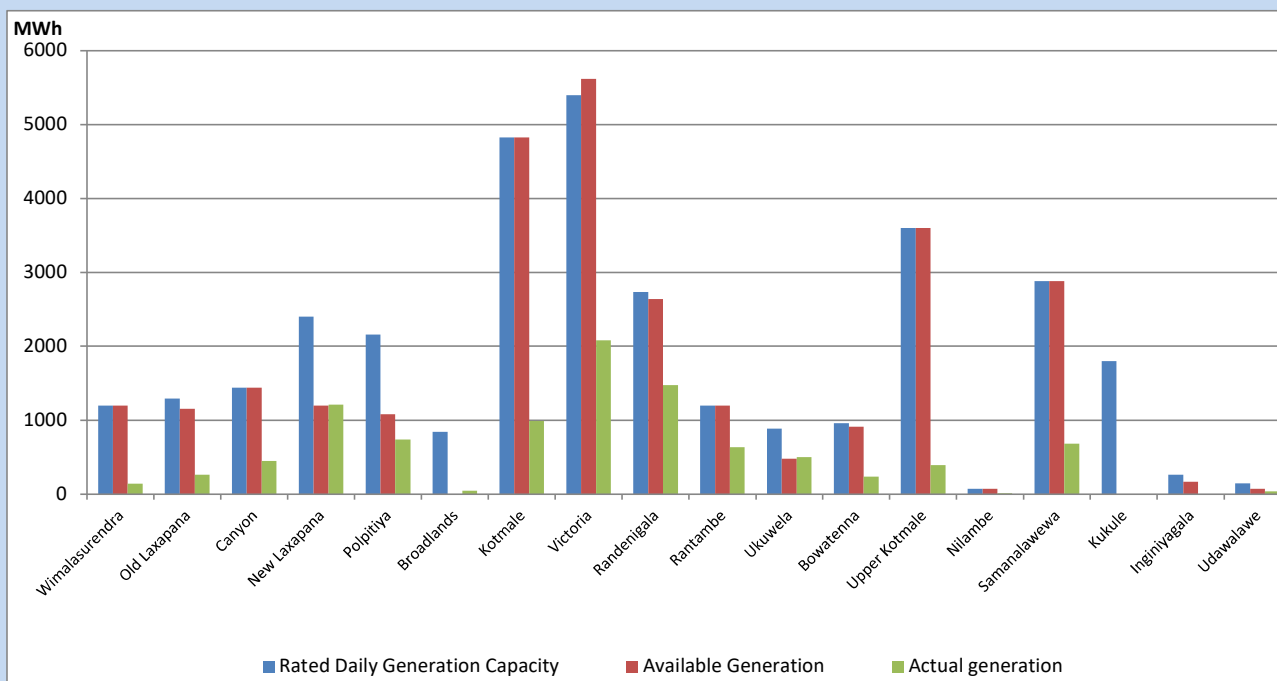


Note- Plant availability is recorded at 6.00 am on

January 30, 2023

Major Hydro Plant Dispatch

January 29, 2023

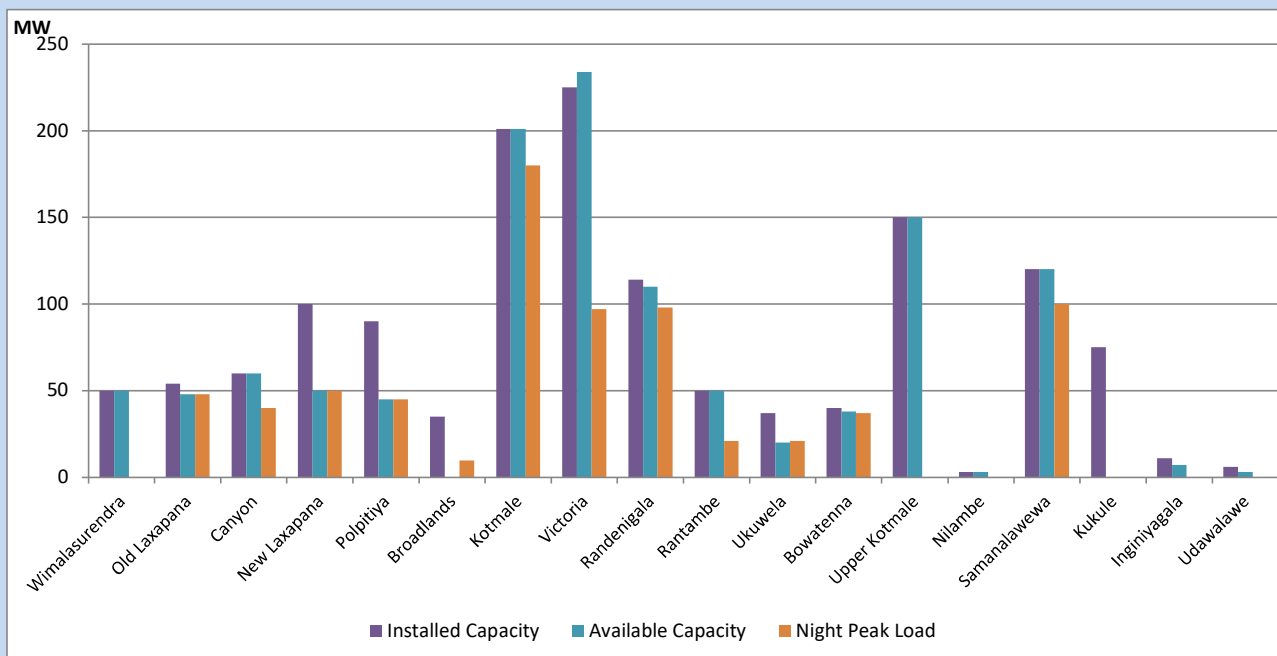


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 30, 2023

Major Hydro Plant Loading at Night Peak

January 29, 2023



Note- Plant availability is recorded at 6.00 am on

January 30, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

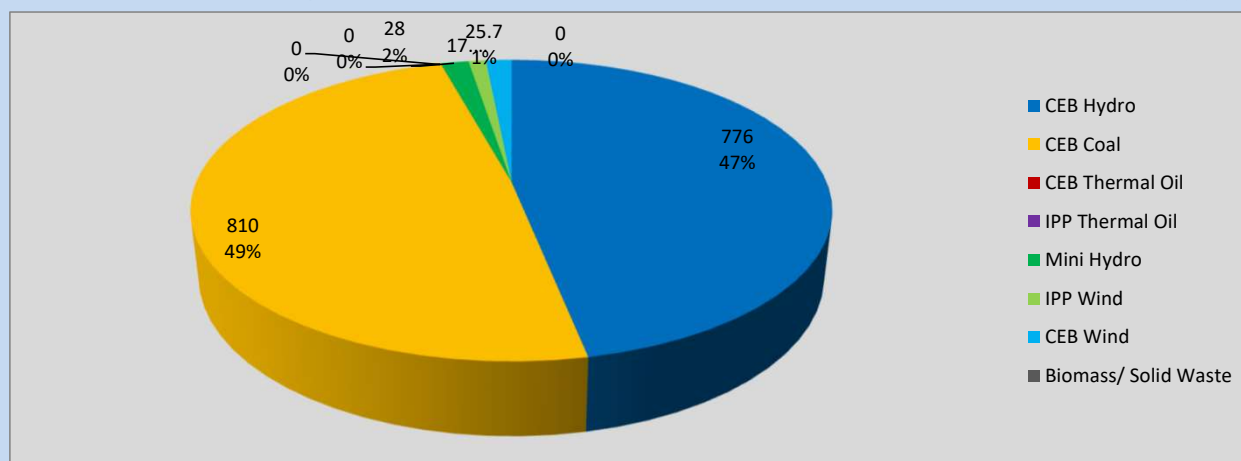
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	0	141
Old Laxapana	54	48	48	263
Canyon	60	60	40	452
New Laxapana	100	50	50	1,212
Polpitiya	90	45	45	737
Broadlands	35	0	10	47
Kotmale	201	201	180	990
Victoria	225	234	97	2,081
Randenigala	114	110	98	1,477
Rantambe	50	50	21	636
Ukuwela	37	20	21	502
Bowatenna	40	38	37	237
Upper Kotmale	150	150	0	391
Nilambe	3	3	0	12
Samanalawewa	120	120	100	684
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	38
Puttalam Coal I	270	270	271	6,385
Puttalam Coal II	270	270	269	6,280
Puttalam Coal III	270	270	270	6,493
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	59
Sapugaskanda A	70	32	0	0
Sapugaskanda B	70	63	0	0
Uthura Janani	26	16	0	0
Barge CEB	60	60	0	10
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
Nothorn Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,758	1,628	31,739

Plant availability is the availability recorded at 6 am on

January 30, 2023

Contribution to the Night Peak in MW

January 29, 2023

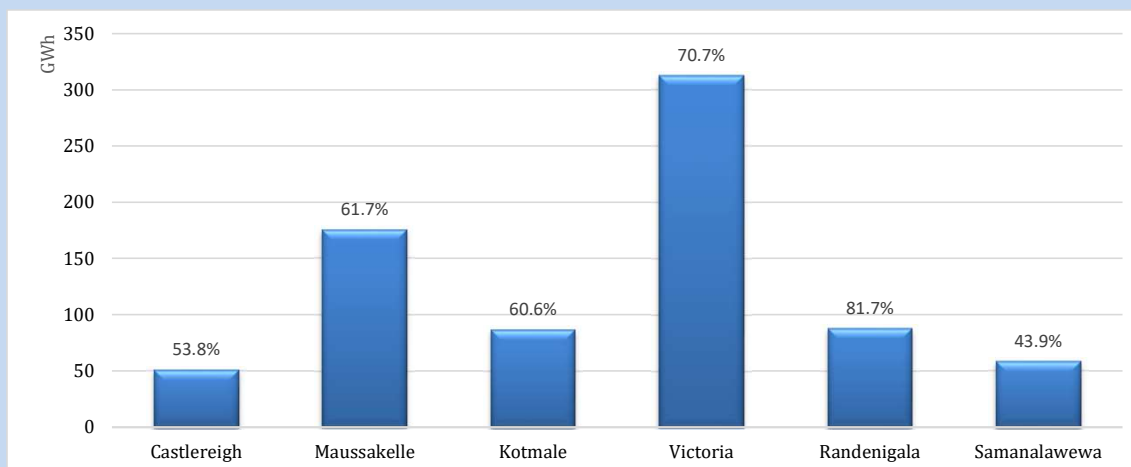


Night Peak*	1,656.5 MW
Day Peak	1,277.5 MW
Minimum Demand	1,082.1 MW

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

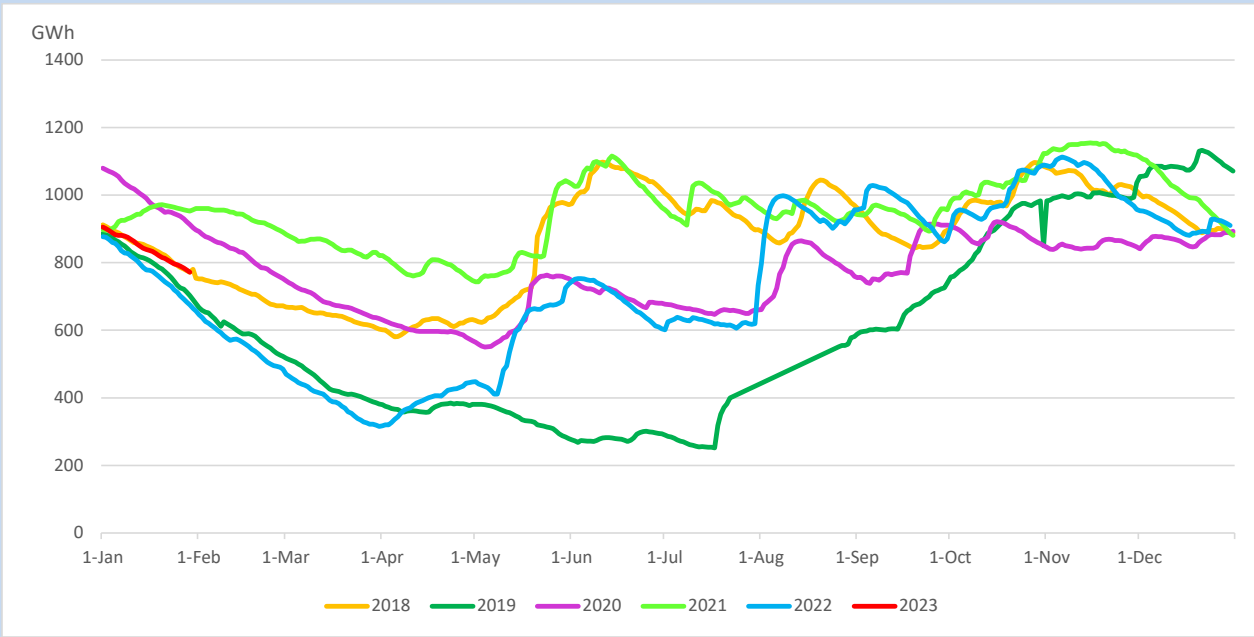
Reservoir Levels -

as at 06.00 Hr on January 30, 2023

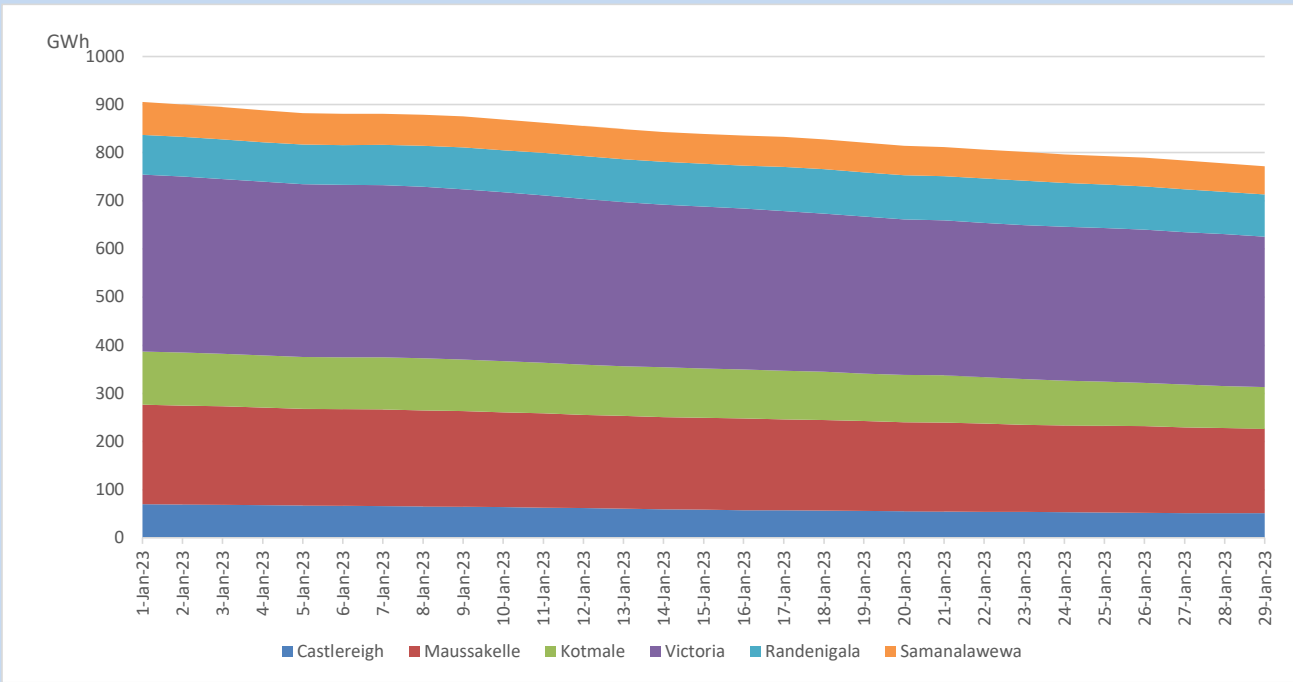


Total Reservoir Level	771.9 GWh
% of Total capacity	64.1%

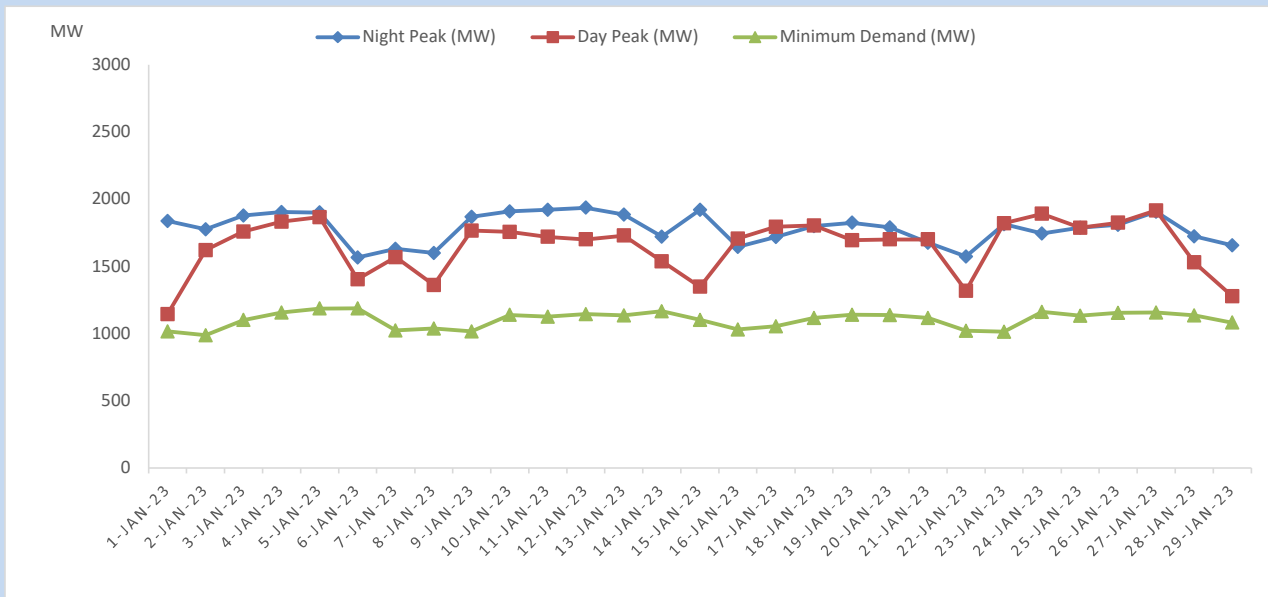
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

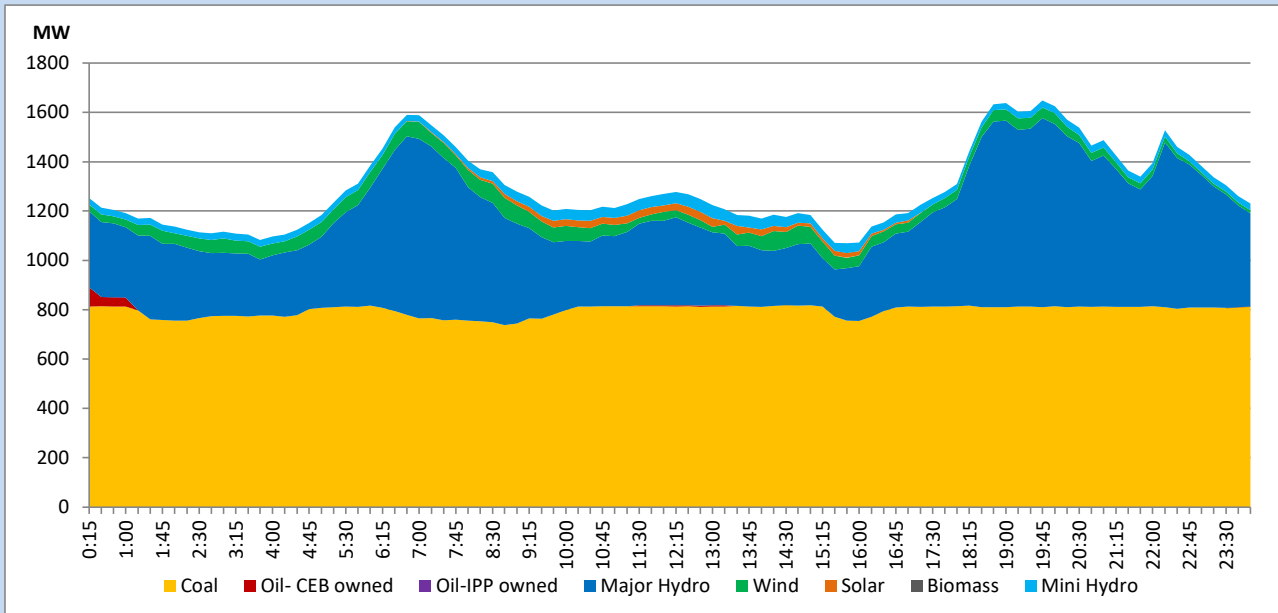


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve of the day

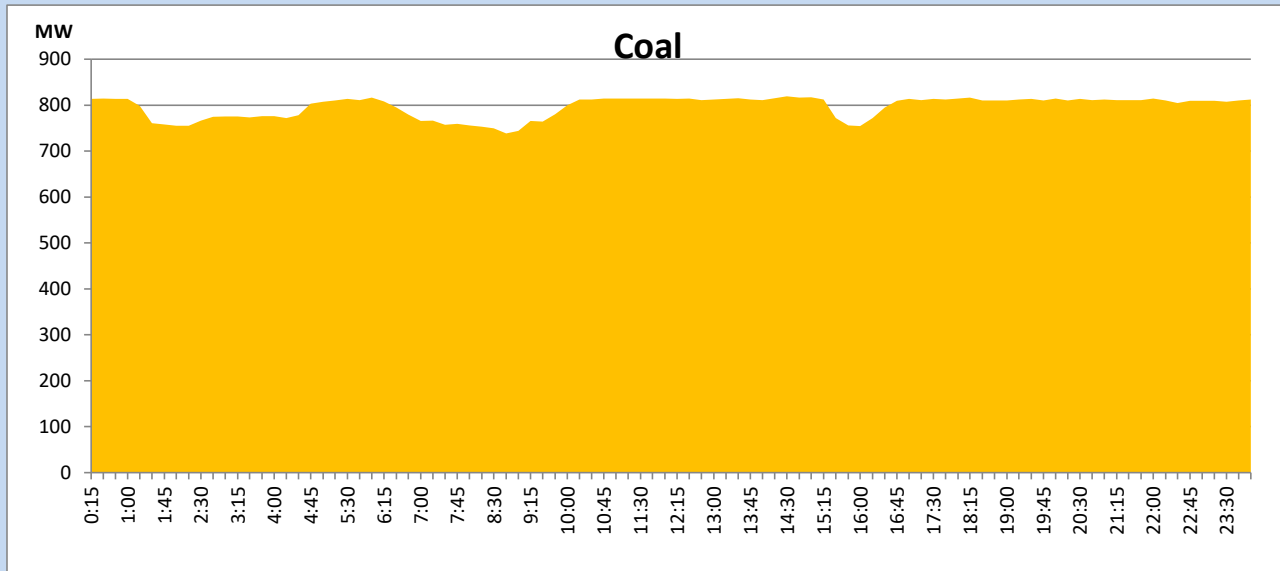
January 29, 2023

Solar and wind data is based on Telemetered Power Stations only



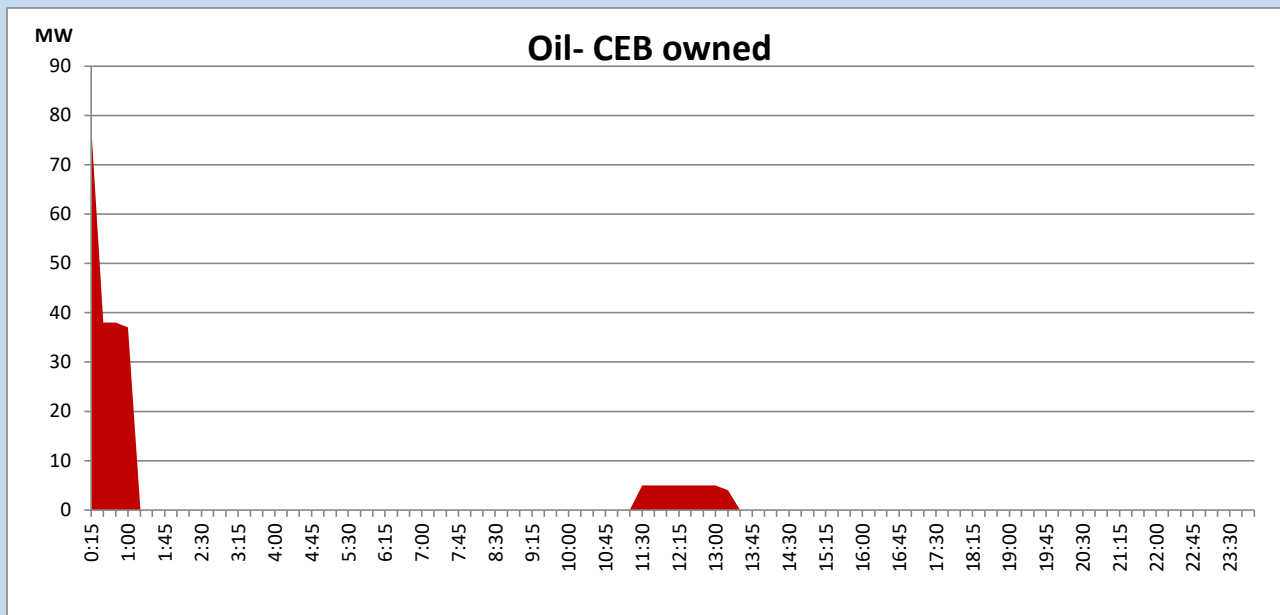
Coal Generation during the day

January 29, 2023



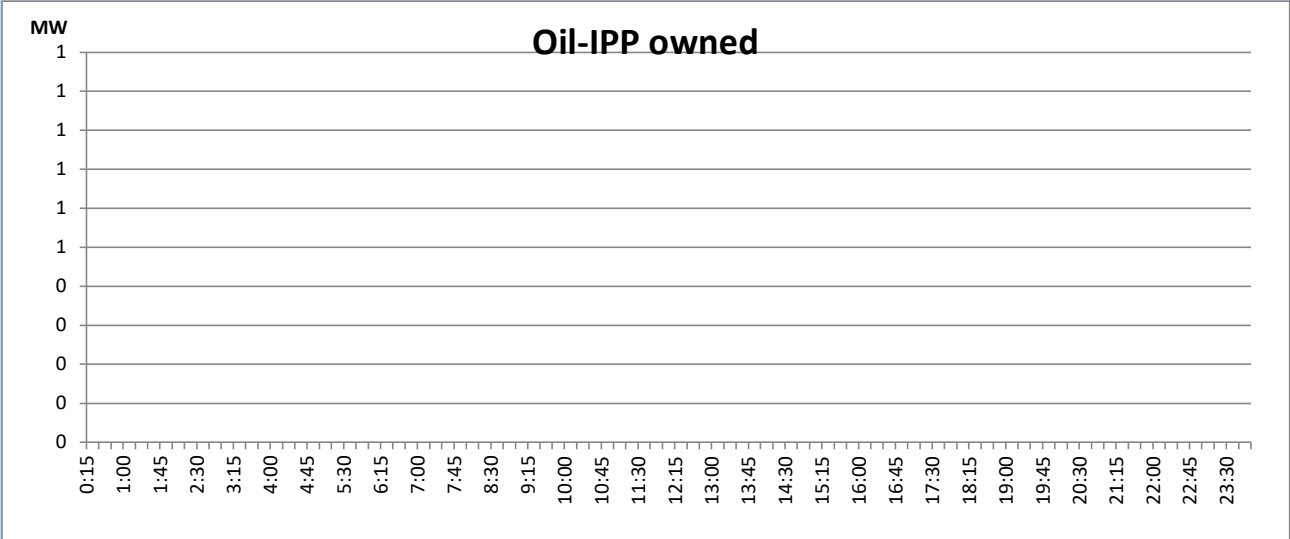
CEB Oil Plant Generation during the day

January 29, 2023



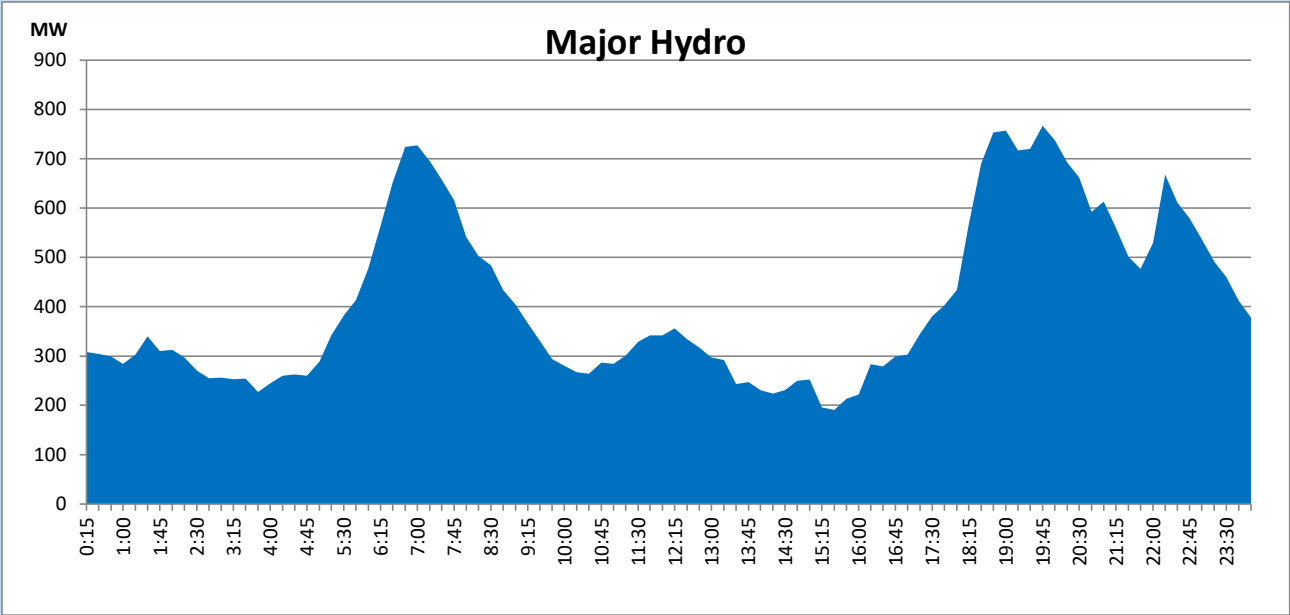
IPP Oil Plant Generation during the day

January 29, 2023



Major Hydro Generation during the day

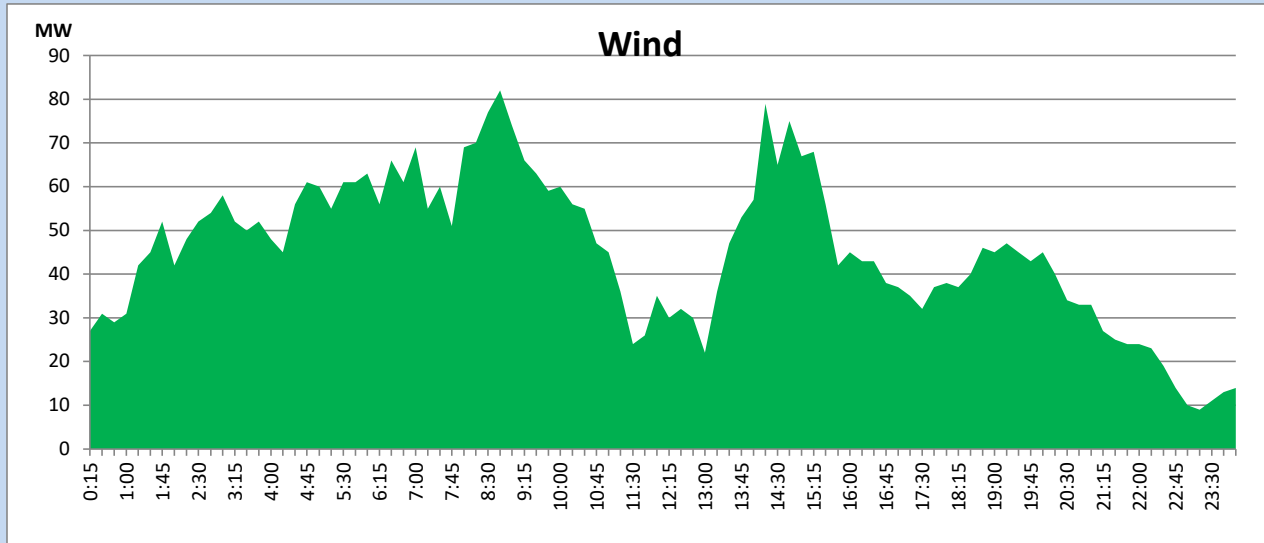
January 29, 2023



Wind Generation during the day

January 29, 2023

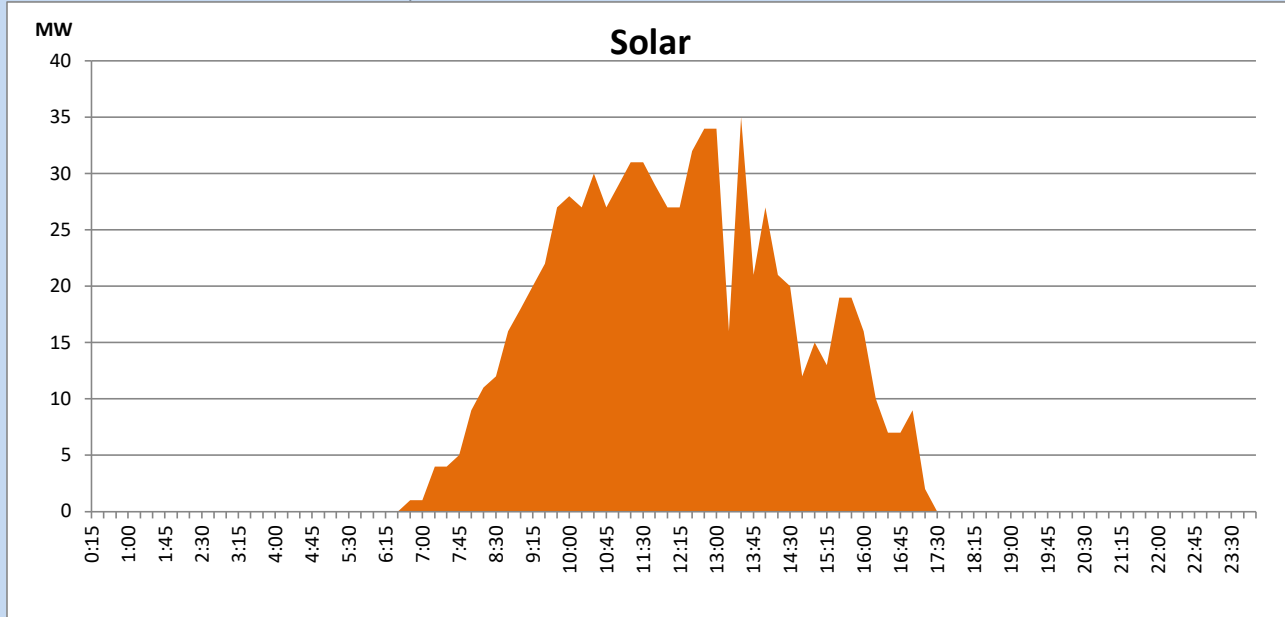
Based on Telemetered Power Stations only



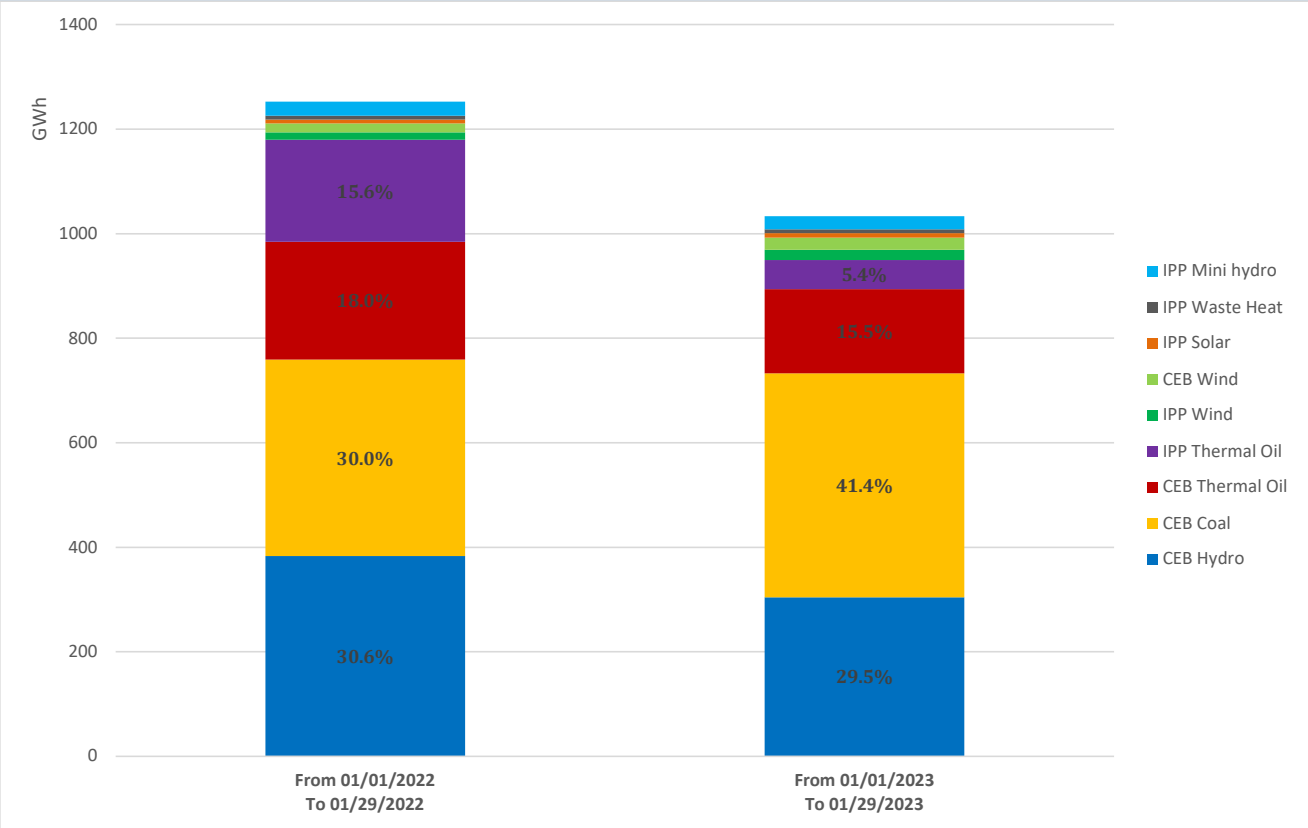
Solar Generation during the day

January 29, 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 29, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) New Anuradhapura – Trinco 132kV cct tripped from both ends at 23:38hrs due to the operation of differential protection. The cct was restored at 23:51hrs.
- 3) New Anuradhapura – Trinco 132kV cct tripped and A/R from both ends at 00:07hrs (30.01.2023) due to the operation of differential protection.