

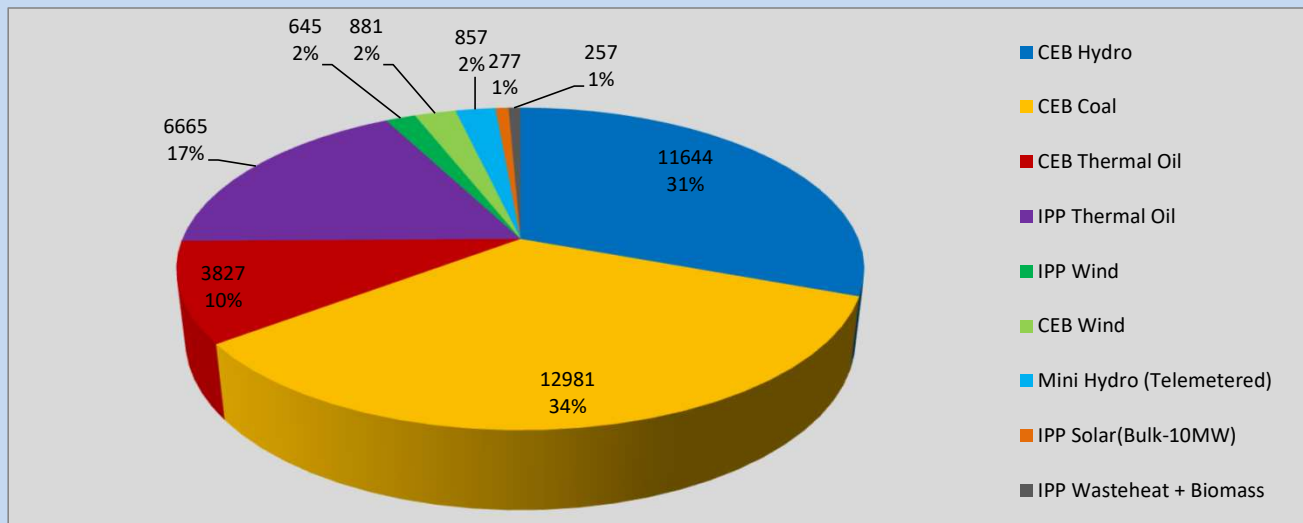
Generation and Reservoirs Statistics

January 4, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding Estimated Figures) =

38,040 MWh

Estimated figures of generation report

Estimated unserved energy = 2.21 GWh

Estimated Mini Hydro (Non telemetered) = 1663 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

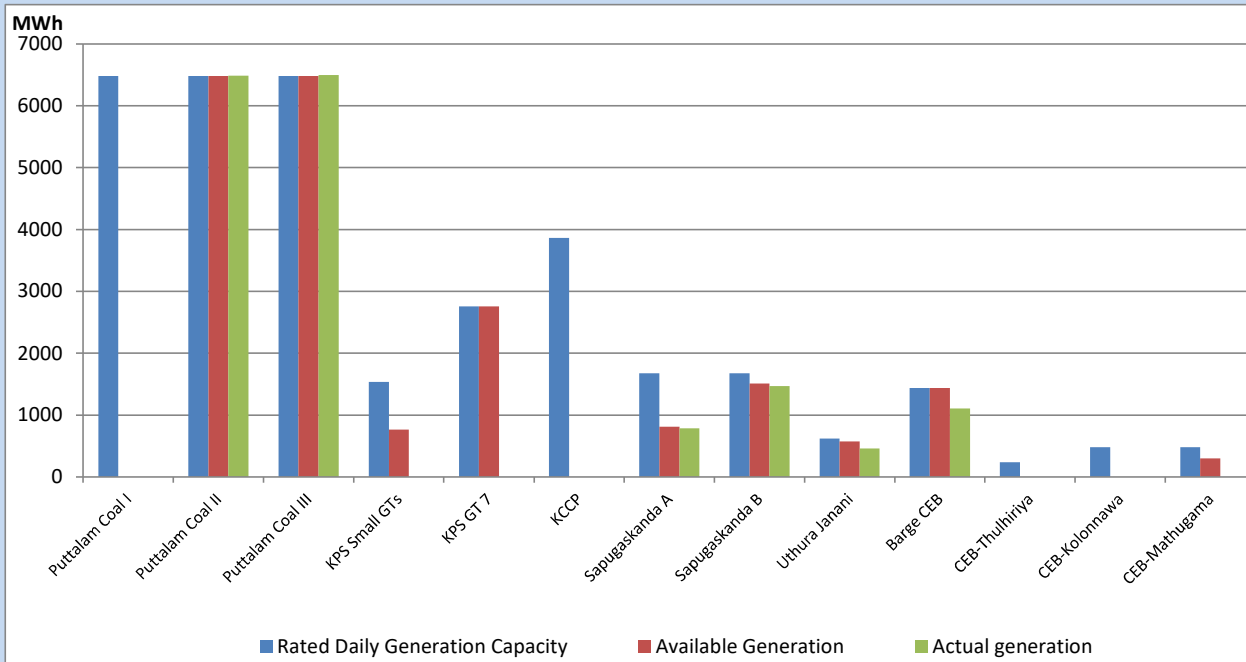
Category	Dispatch (GWh)	
CEB Hydro	45	32.57%
CEB Thermal Oil	15	11.06%
CEB Coal	53	37.91%
IPP Thermal	14	10.37%
SPP Wind	2	1.68%
CEB Wind	3	2.12%
SPP Solar	1	0.96%
SPP Solid Waste	1	0.65%
Mini Hydro (Telemetered)	4	2.69%
Total	139	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	45	32.57%
CEB Thermal Oil	15	11.06%
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CEB owned Thermal Plant Dispatch

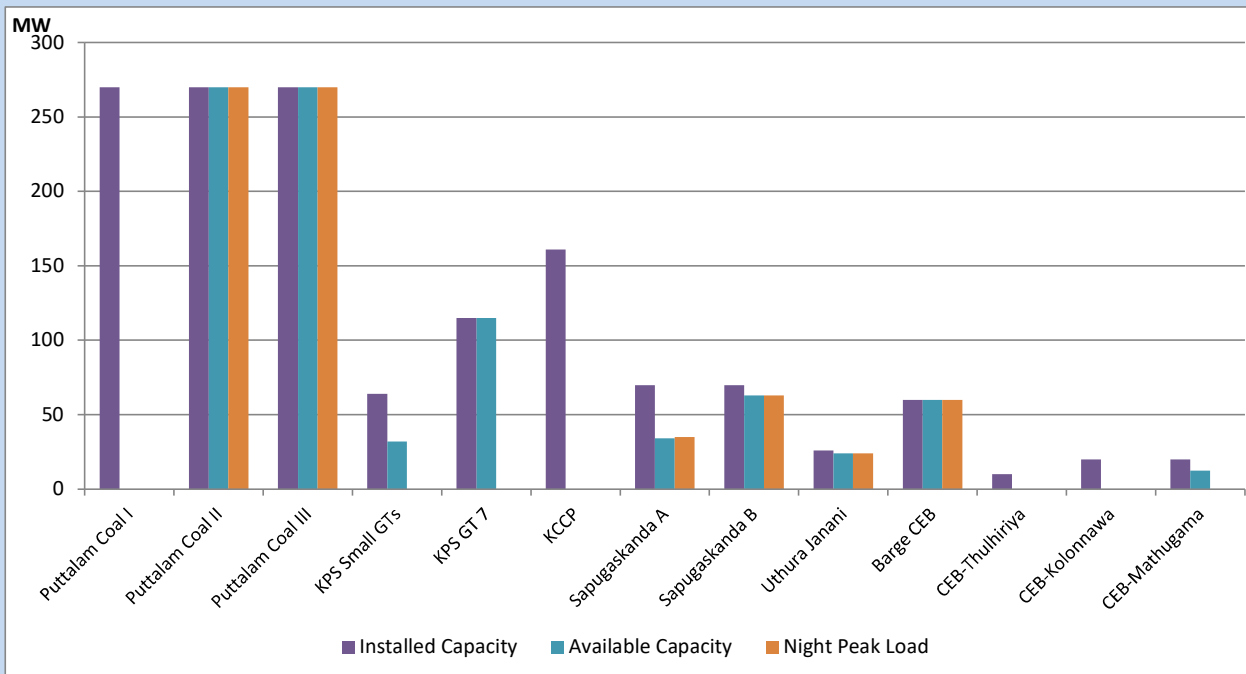
January 4, 2023



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

January 5, 2023

CEB owned Thermal Plant Loading at the Night Peak



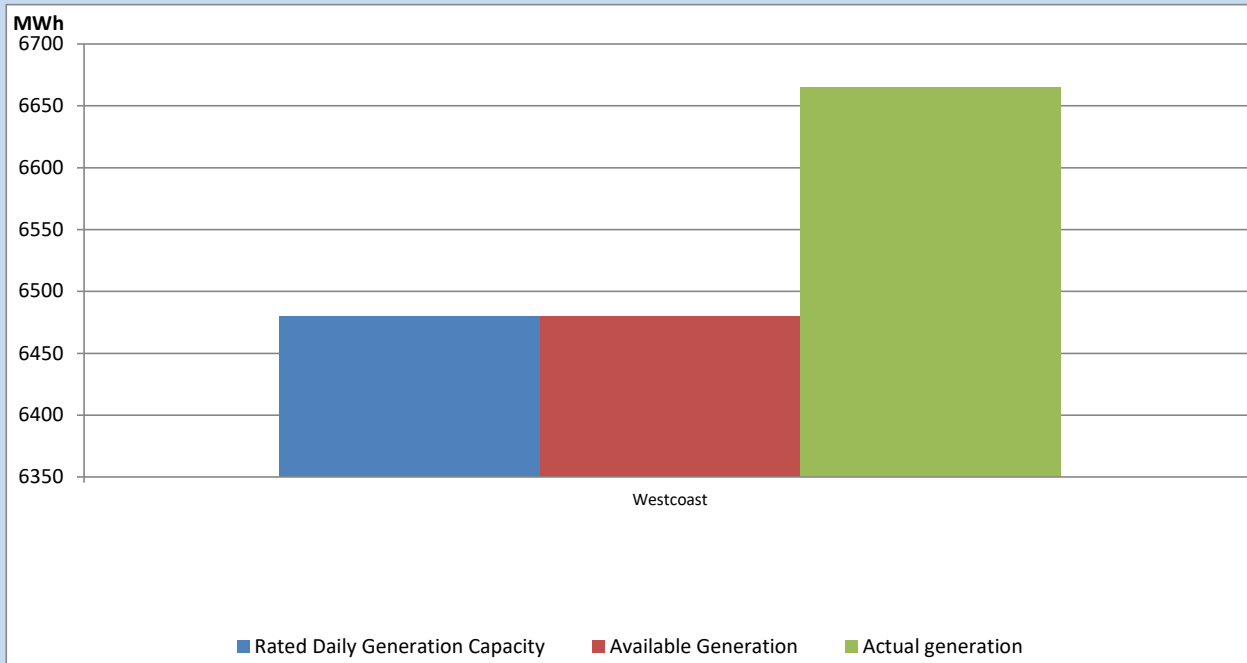
Note- Plant availability is recorded at 6.00 am on

January 5, 2023

IPP owned Thermal Plant Dispatch

January 4, 2023

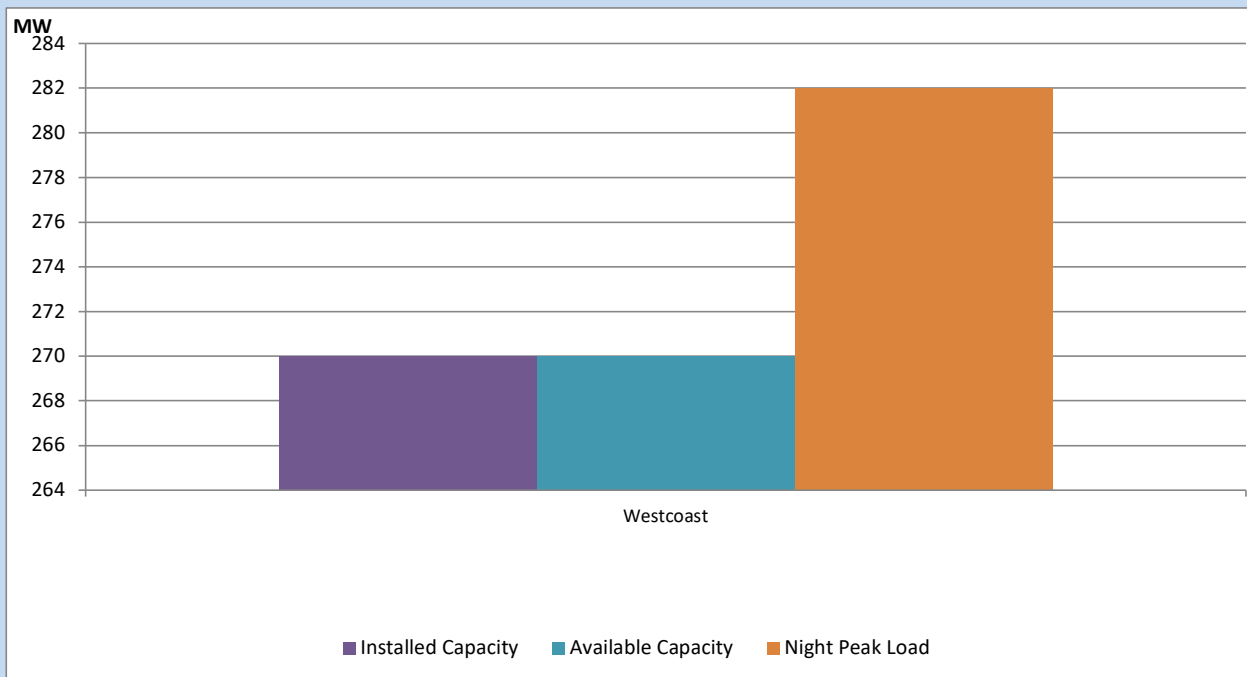
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena, Sogitz Kelanitissa and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

January 5, 2023

IPP owned Thermal Plant Loading at the Night Peak

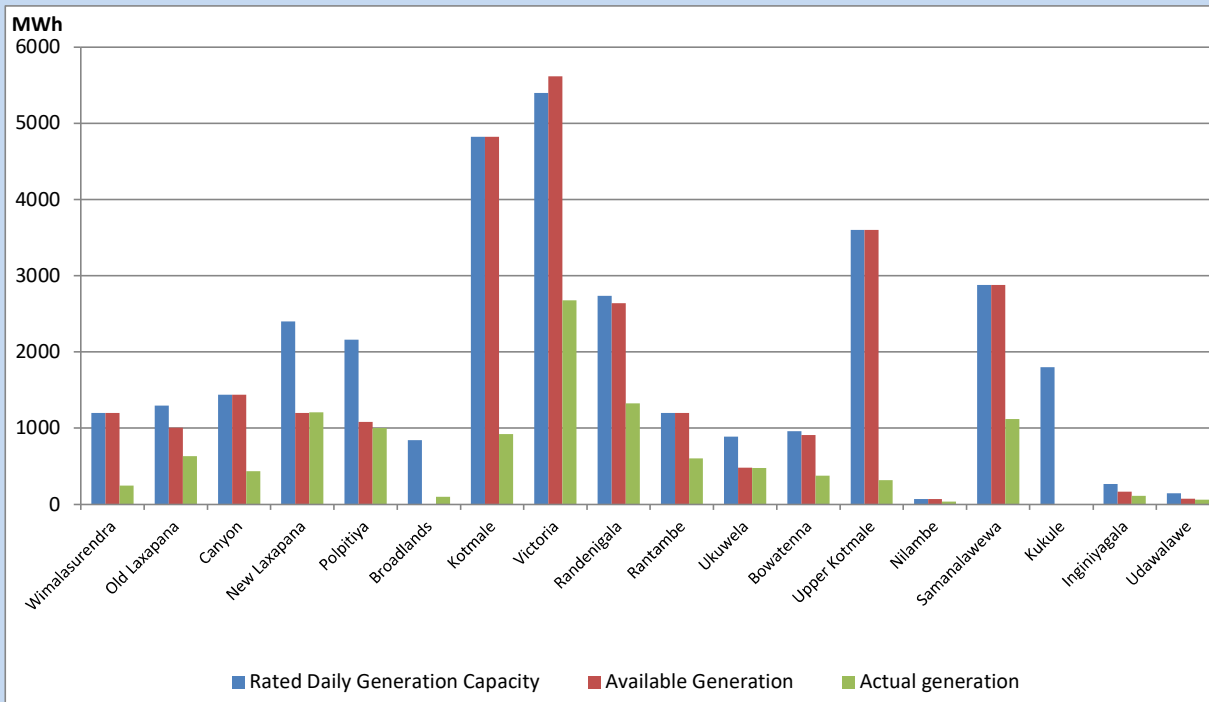


Note- Plant availability is recorded at 6.00 am on

January 5, 2023

Major Hydro Plant Dispatch

January 4, 2023

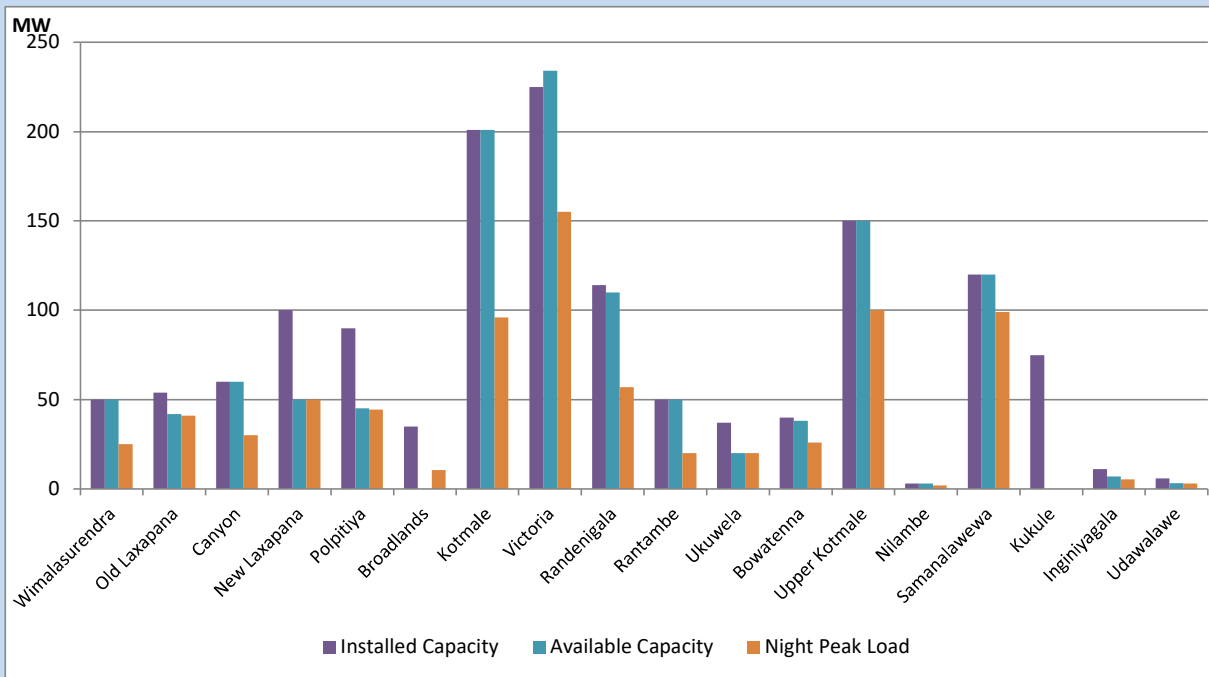


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 5, 2023

Major Hydro Plant Loading at Night Peak

January 4, 2023



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

January 5, 2023

Summary of Major Plant performance

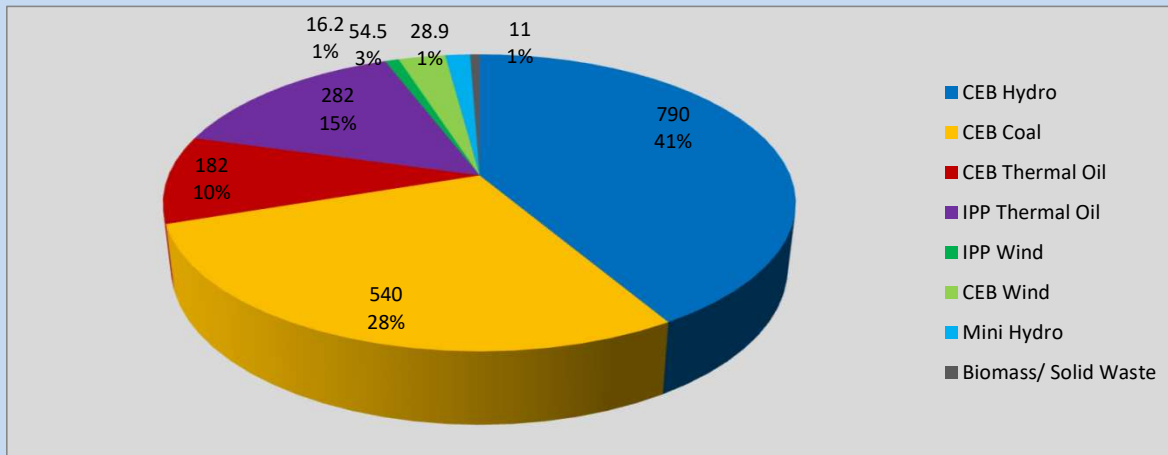
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	245
Old Laxapana	54	42	41	631
Canyon	60	60	30	435
New Laxapana	100	50	50	1,206
Polpitiya	90	45	45	1,002
Broadlands	35	0	11	98
Kotmale	201	201	96	920
Victoria	225	234	155	2,679
Randenigala	114	110	57	1,324
Rantambe	50	50	20	604
Ukuwela	37	20	20	478
Bowatenna	40	38	26	376
Upper Kotmale	150	150	100	319
Nilambe	3	3	2	35
Samanalawewa	120	120	99	1,120
Kukule	75	0	0	0
Inginiyagala	11	7	5	111
Udawalawe	6	3	3	61
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,485
Puttalam Coal III	270	270	270	6,496
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	34	35	789
Sapugaskanda B	70	63	63	1,467
Uthura Janani	26	24	24	462
Barge CEB	60	60	60	1,109
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	282	6,665
ACE Embilipitiya	93	0	0	0
Total	3,397	2,334	1,899	38,034

Plant availability is the availability recorded at 6 am on

January 5, 2023

Contribution to the Night Peak in MW

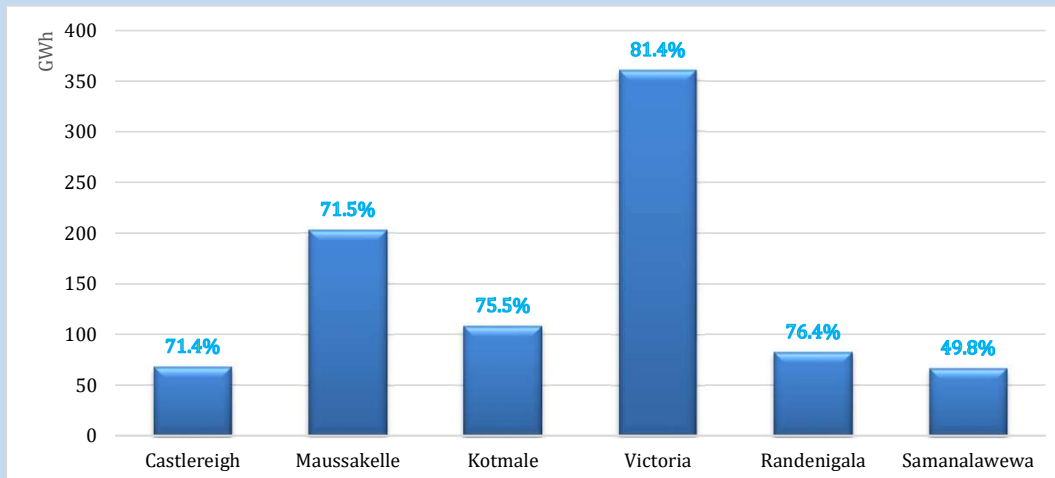
January 4, 2023



Night Peak*	1,904.9 MW
Day Peak	1,831.5 MW
Minimum Demand	1,155.7 MW

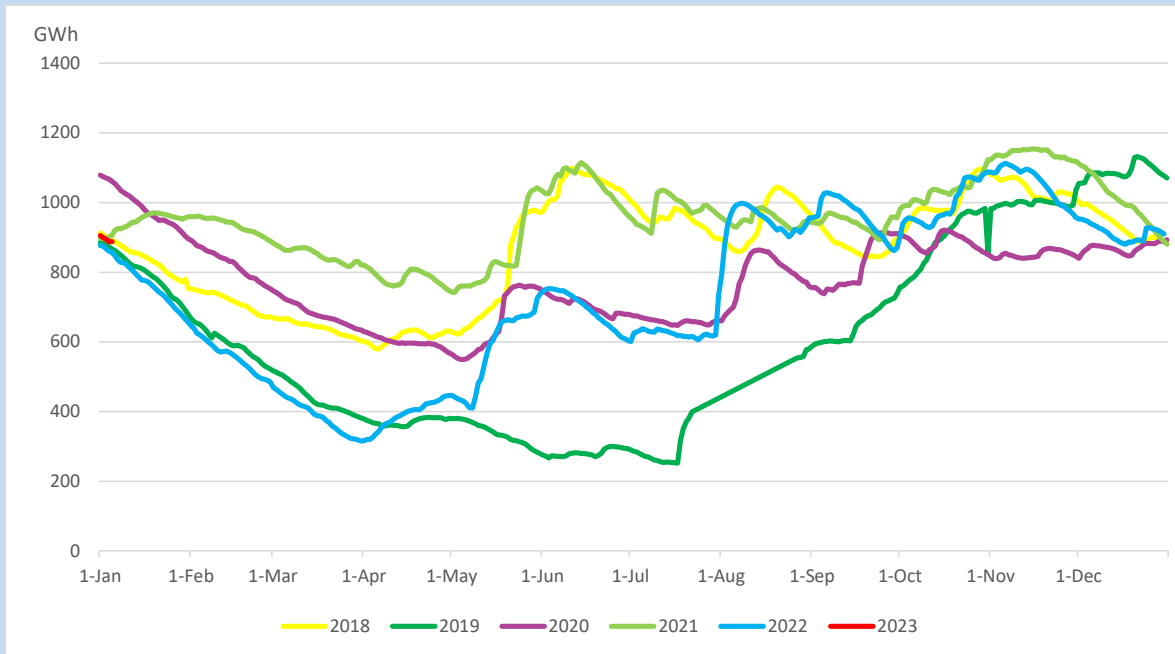
Above figures are excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

Reservoir Levels - as at 06.00 Hr on January 5, 2023

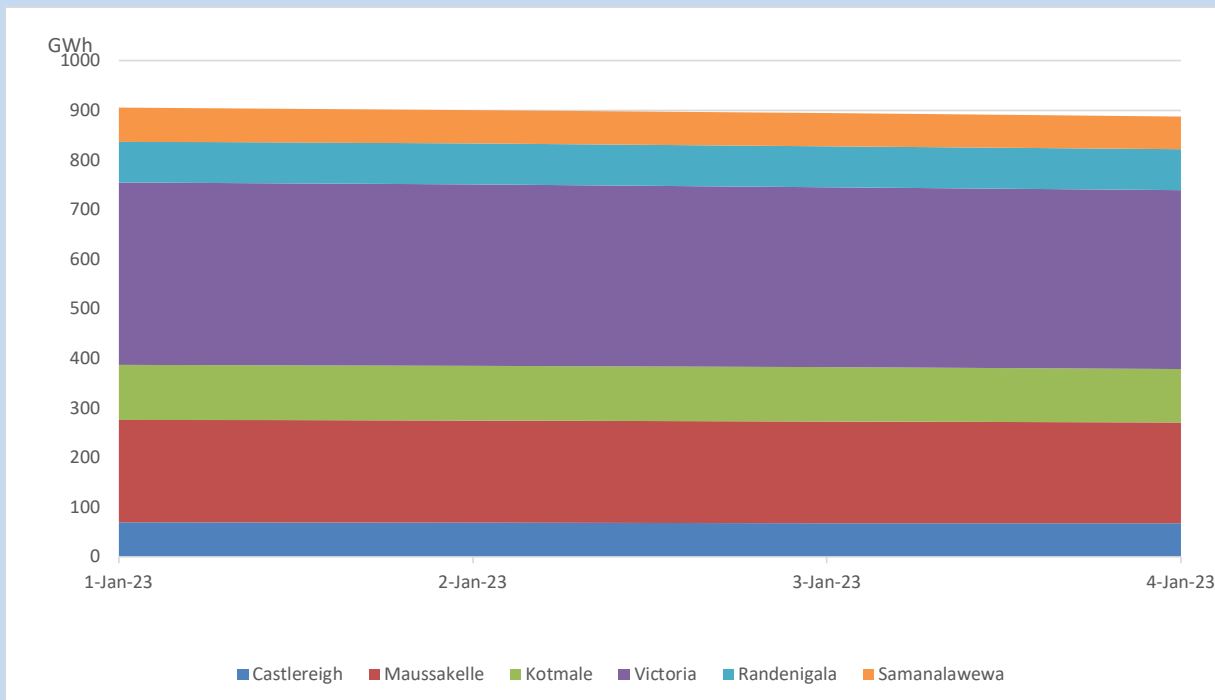


Total Reservoir Level	887.7 GWh
% of Total capacity	73.6%

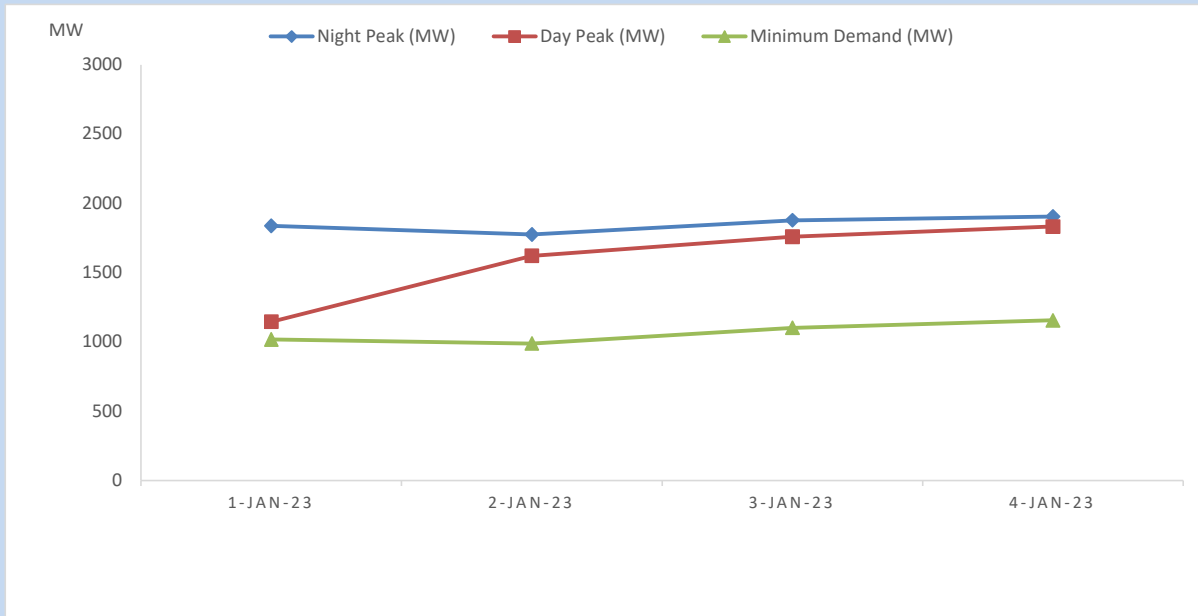
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

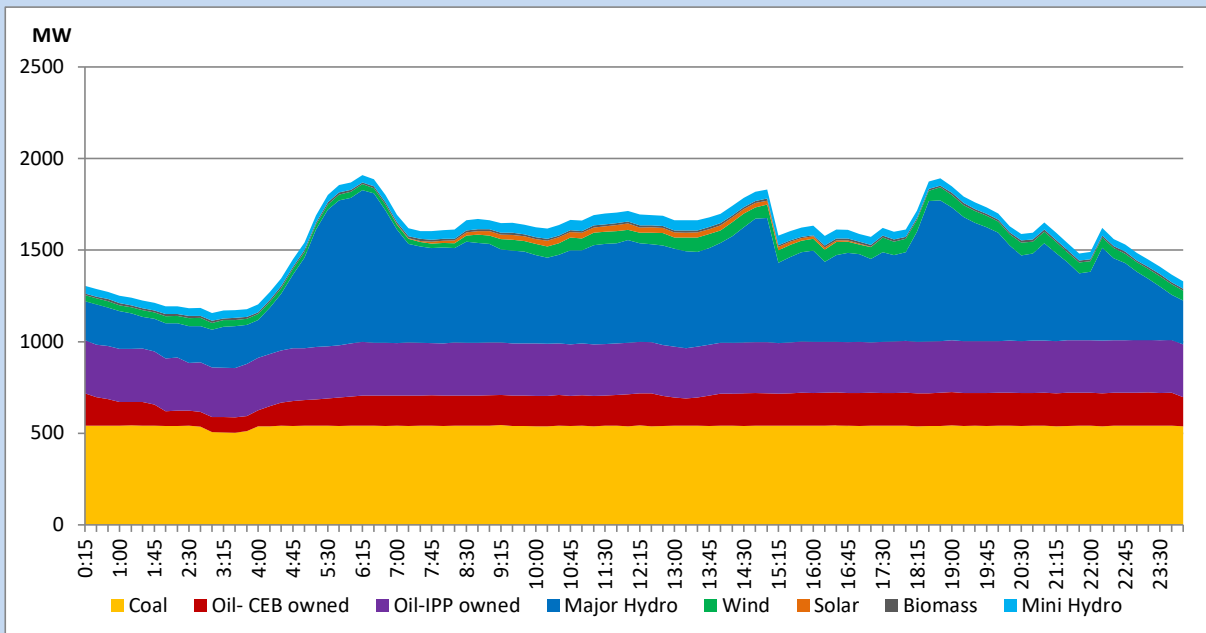


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

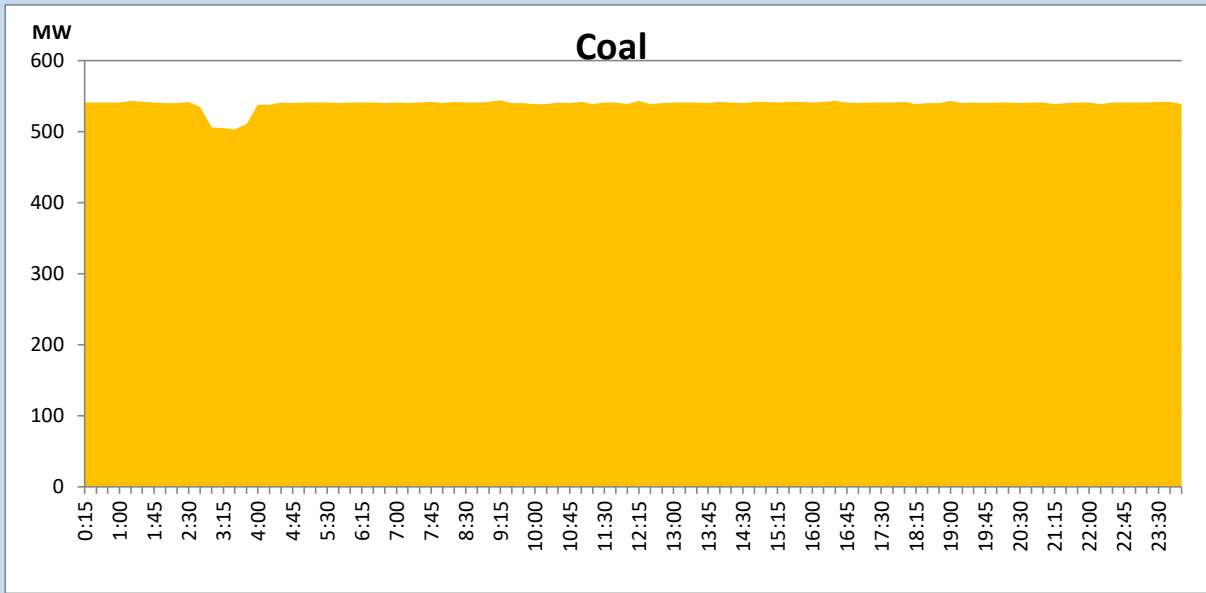
January 3, 2023

Solar and wind data is based on Telemetered Power Stations only



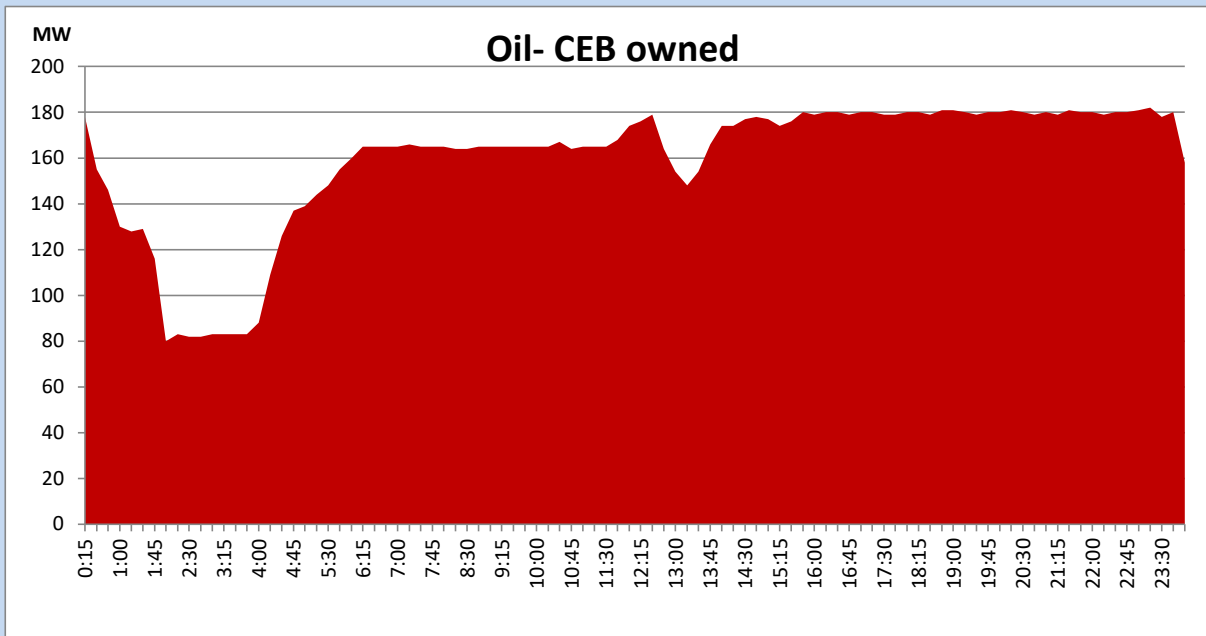
Coal Generation during the Previous day

January 3, 2023



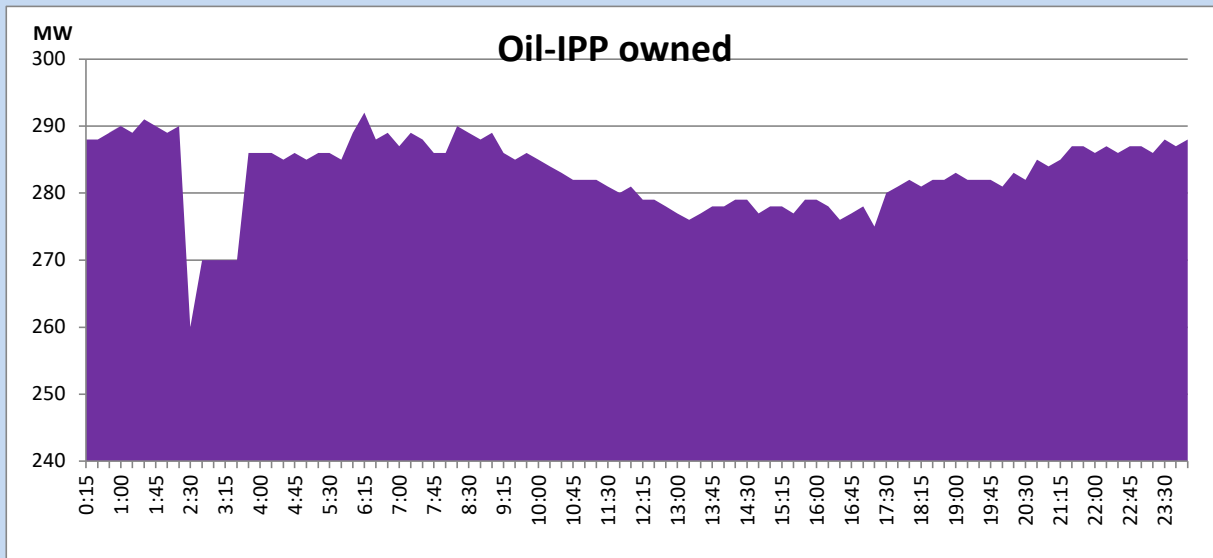
CEB Oil Plant Generation during the Previous day

January 3, 2023



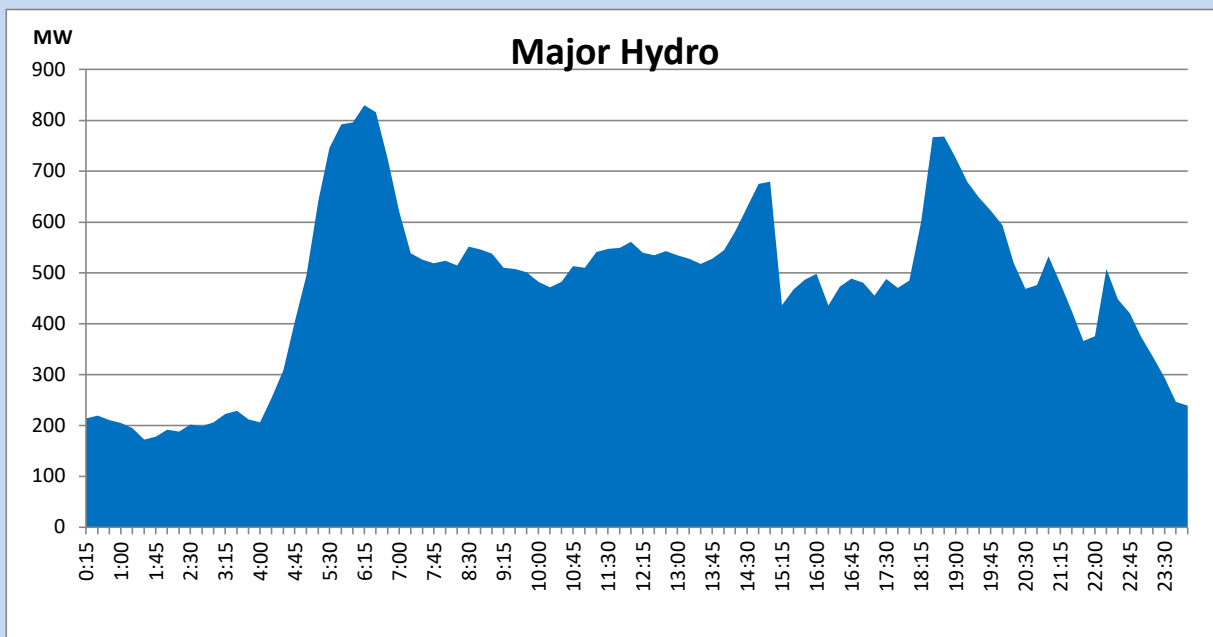
IPP Oil Plant Generation during the Previous day

January 3, 2023



Major Hydro Generation during the Previous day

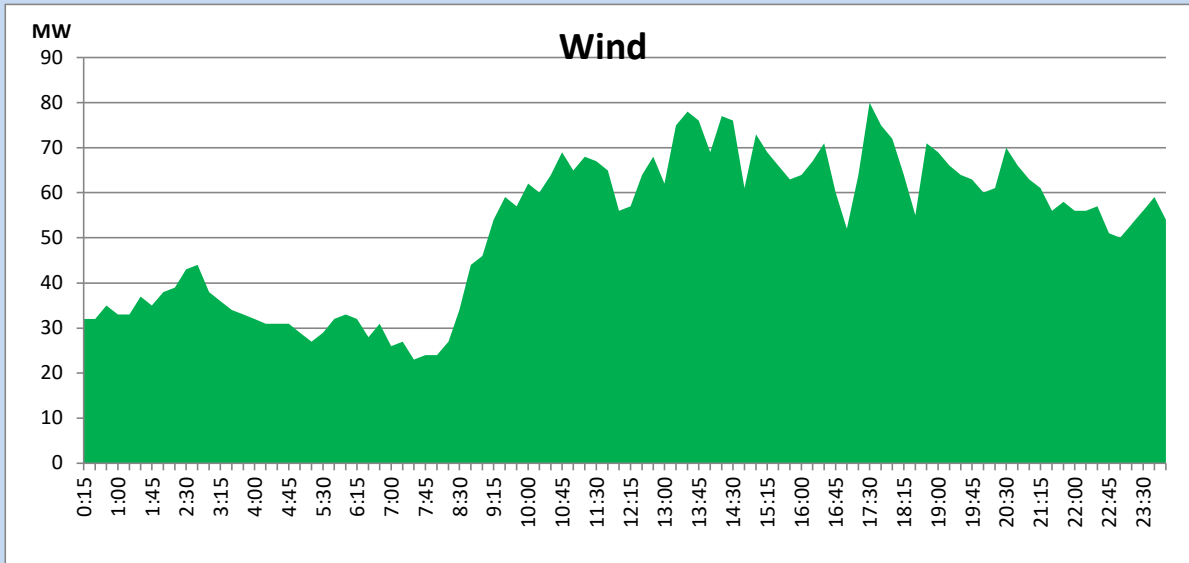
January 3, 2023



Wind Generation during the Previous day

January 3, 2023

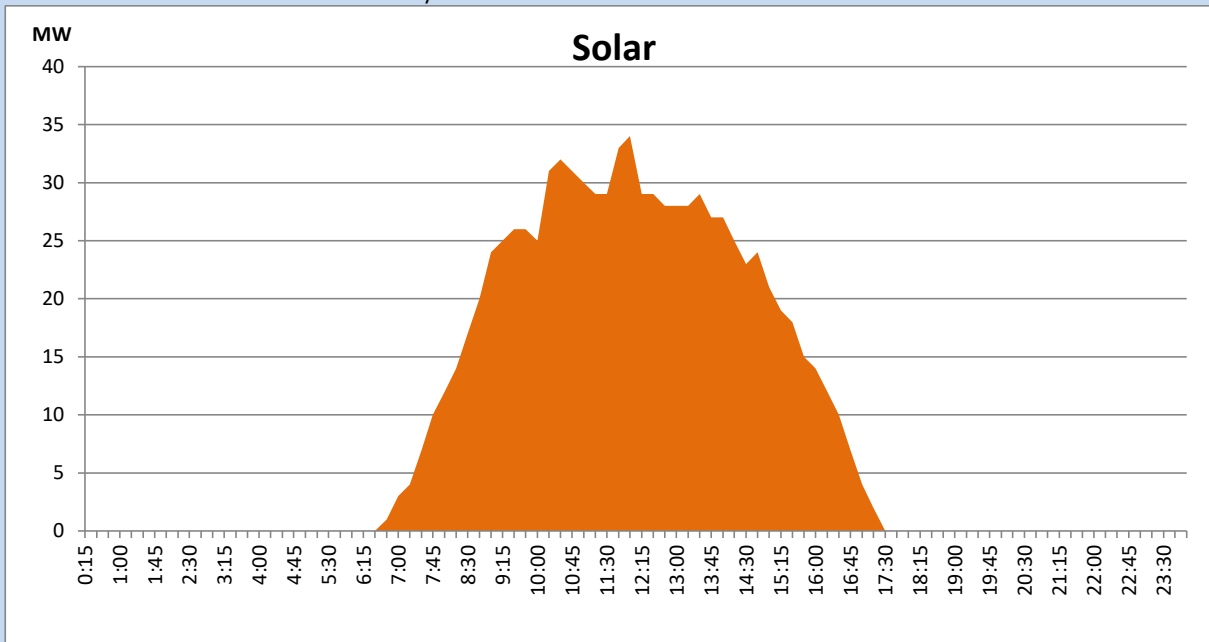
Based on Telemetered Power Stations only



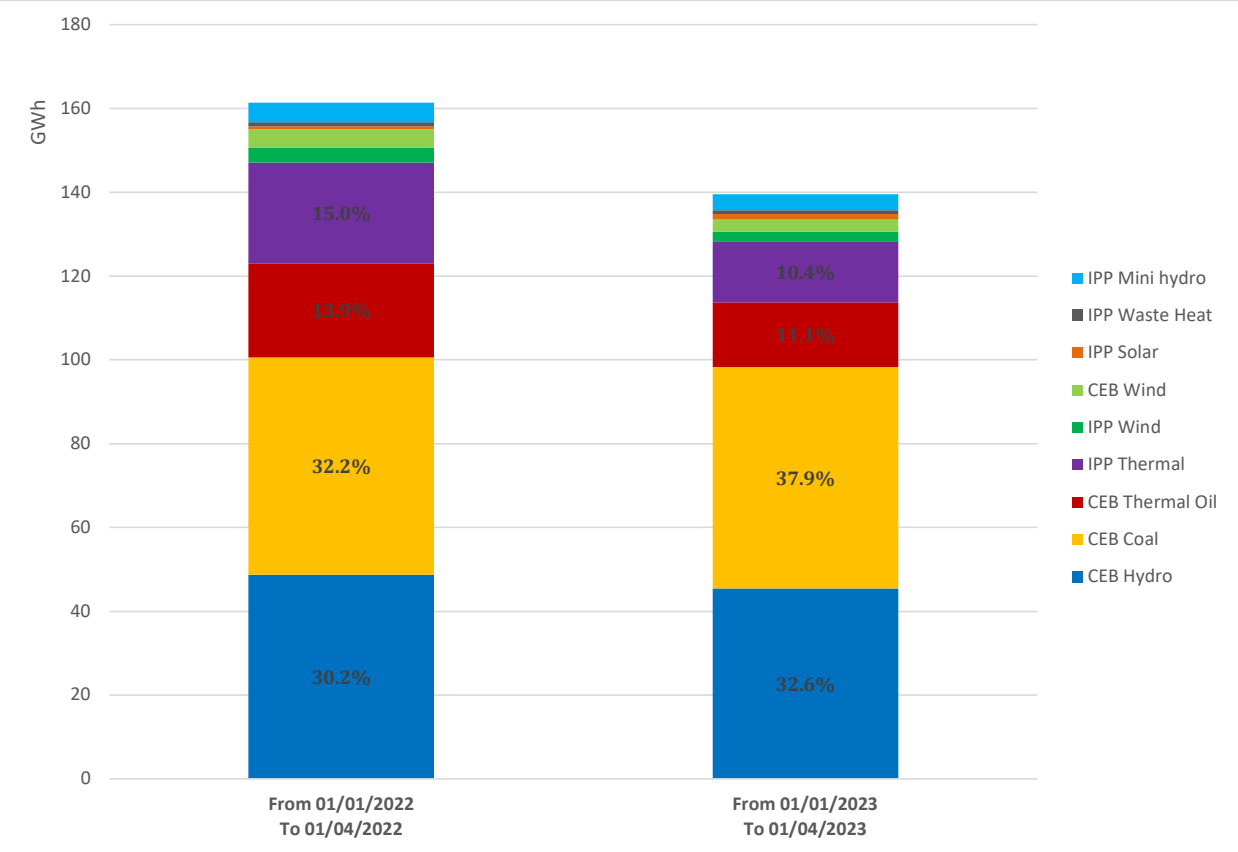
Solar Generation during the Previous day

January 3, 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	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Auto Diesel / Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

Major Incidents reported during the day

January 4, 2023

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