

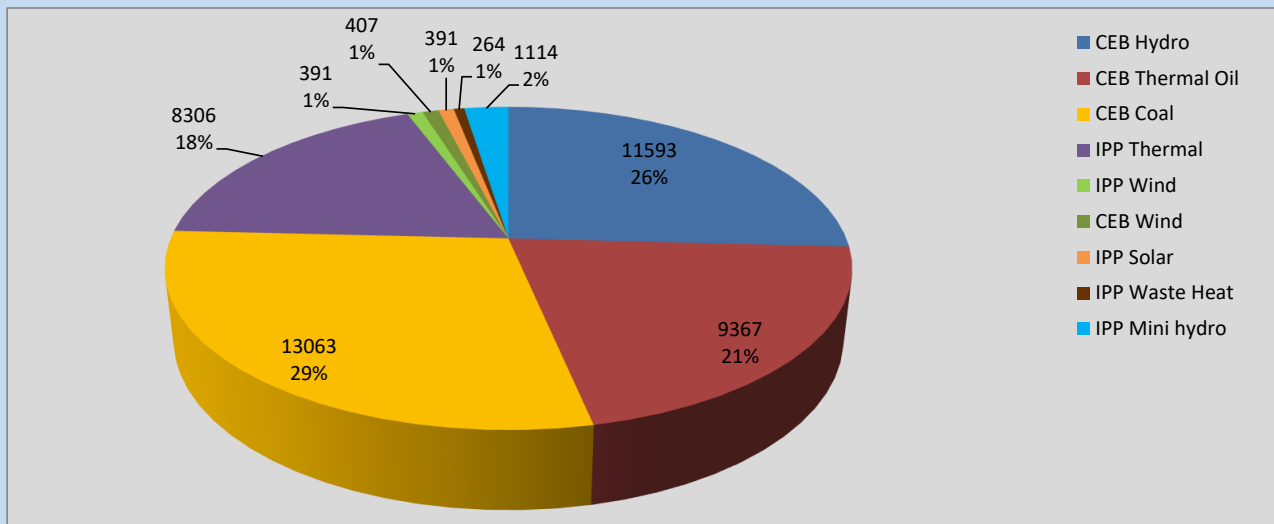
Generation and Reservoirs Statistics

May 5, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation

44,771 MWh

Note: Above data is excluding contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

Cumulative Dispatch

Note: Following data is Excluding contribution from Roof Top Solar, 1MW solar and Mini Hydro plants

For Current Month

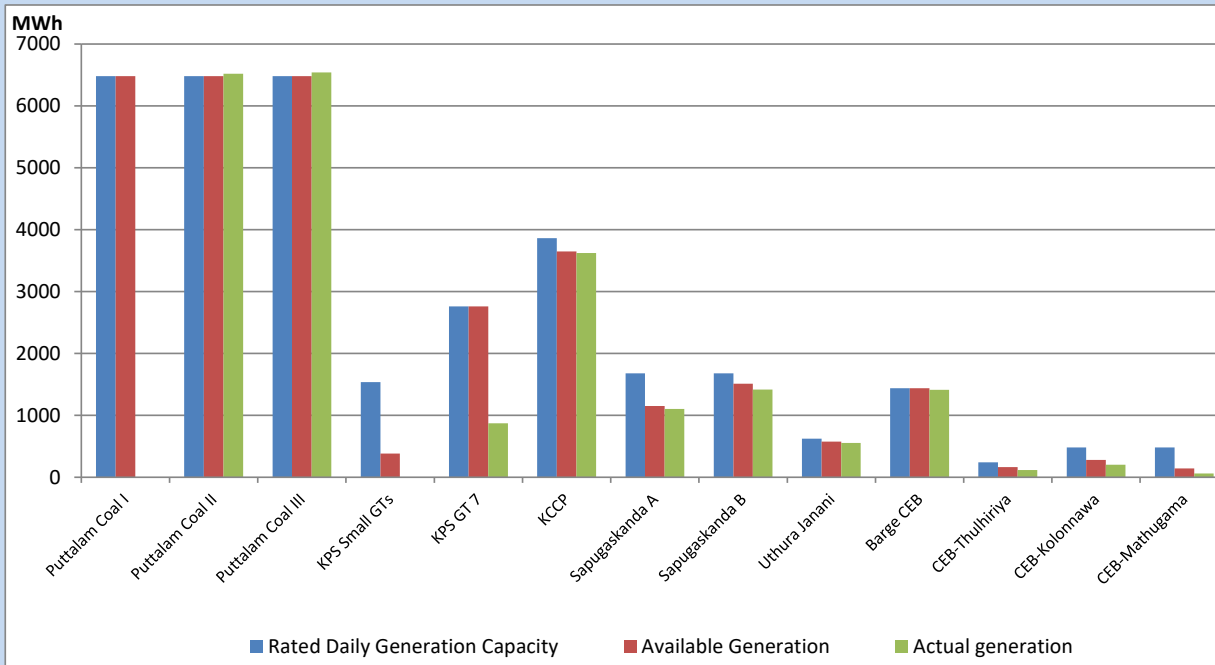
Category	Dispatch (GWh)	Percentage
CEB Hydro	46.90	21.55%
CEB Thermal Oil	44.84	20.60%
CEB Coal	74.54	34.24%
IPP Thermal	34.21	15.72%
SPP Wind	3.94	1.81%
CEB Wind	4.68	2.15%
SPP Solar	1.30	0.60%
SPP Solid Waste	1.32	0.61%
Mini Hydro	5.94	2.73%
Total	217.67	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,195.2	22.66%
CEB Thermal Oil	830.4	15.75%
CEB Coal	2,194.9	41.62%
IPP Thermal	762.5	14.46%
SPP Wind	54.9	1.04%
CEB Wind	70.3	1.33%
SPP Solar	32.6	0.62%
SPP Solid Waste	25.1	0.48%
Mini Hydro	108.0	2.05%
Total	5,273.6	

CEB owned Thermal Plant Dispatch

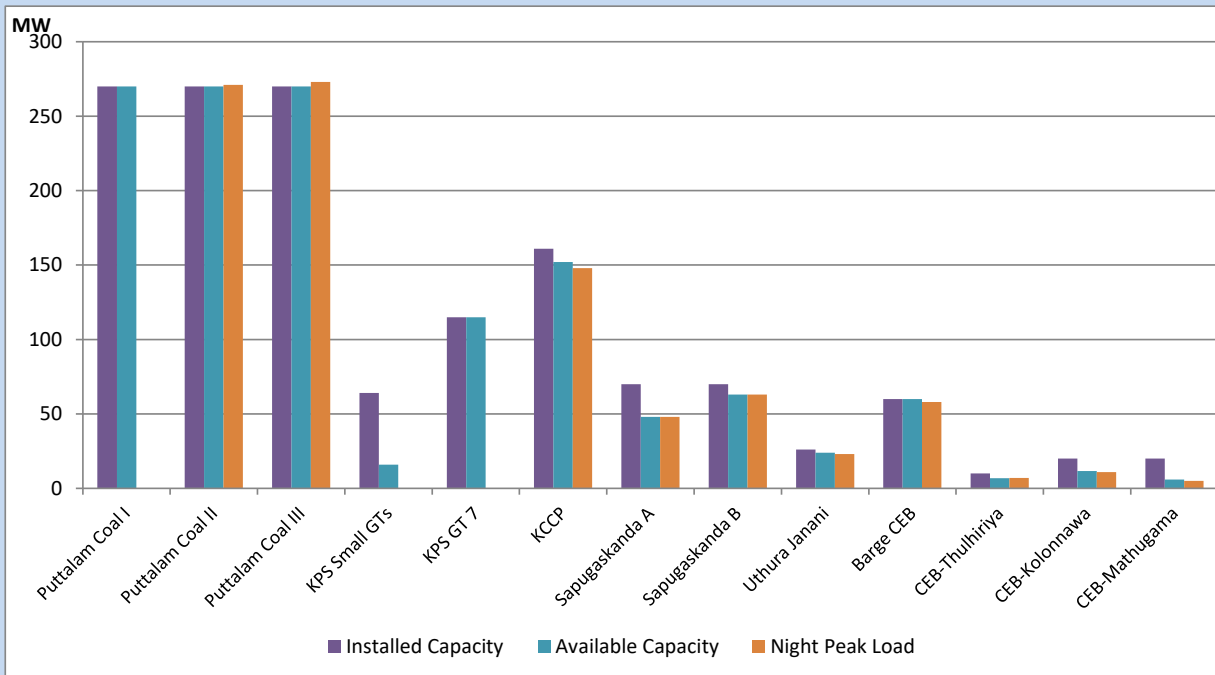
May 5, 2022



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

May 6, 2022

CEB owned Thermal Plant Loading at the Night Peak



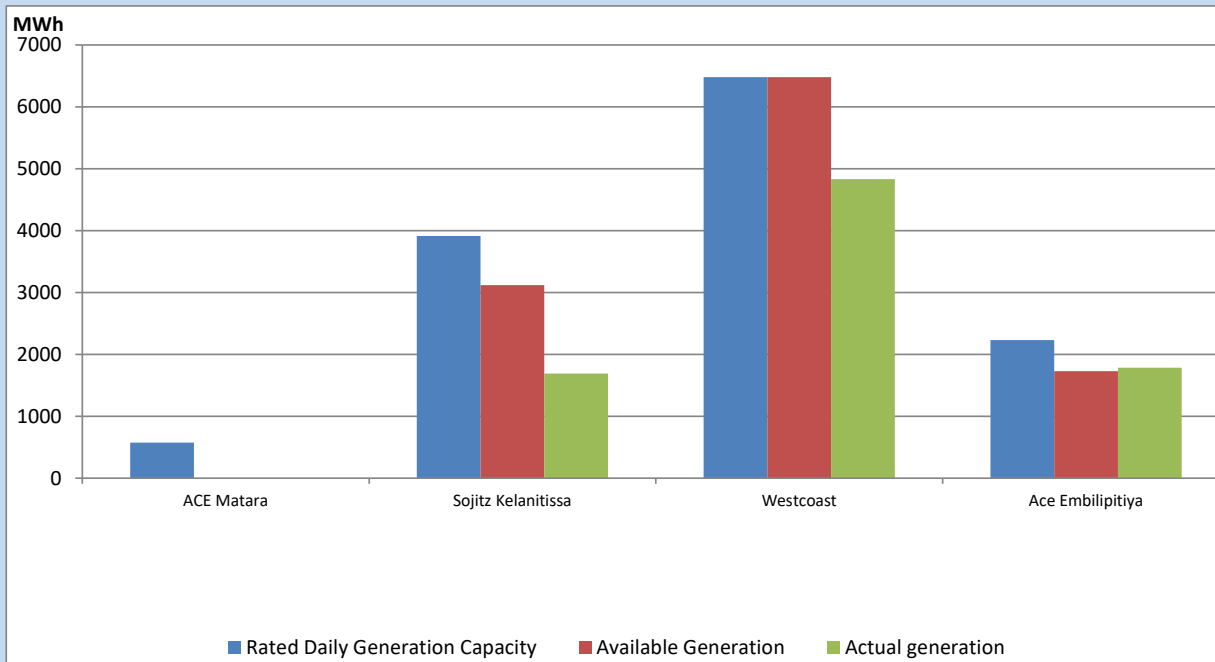
Note- Plant availability is recorded at 6.00 am on

May 6, 2022

IPP owned Thermal Plant Dispatch

May 5, 2022

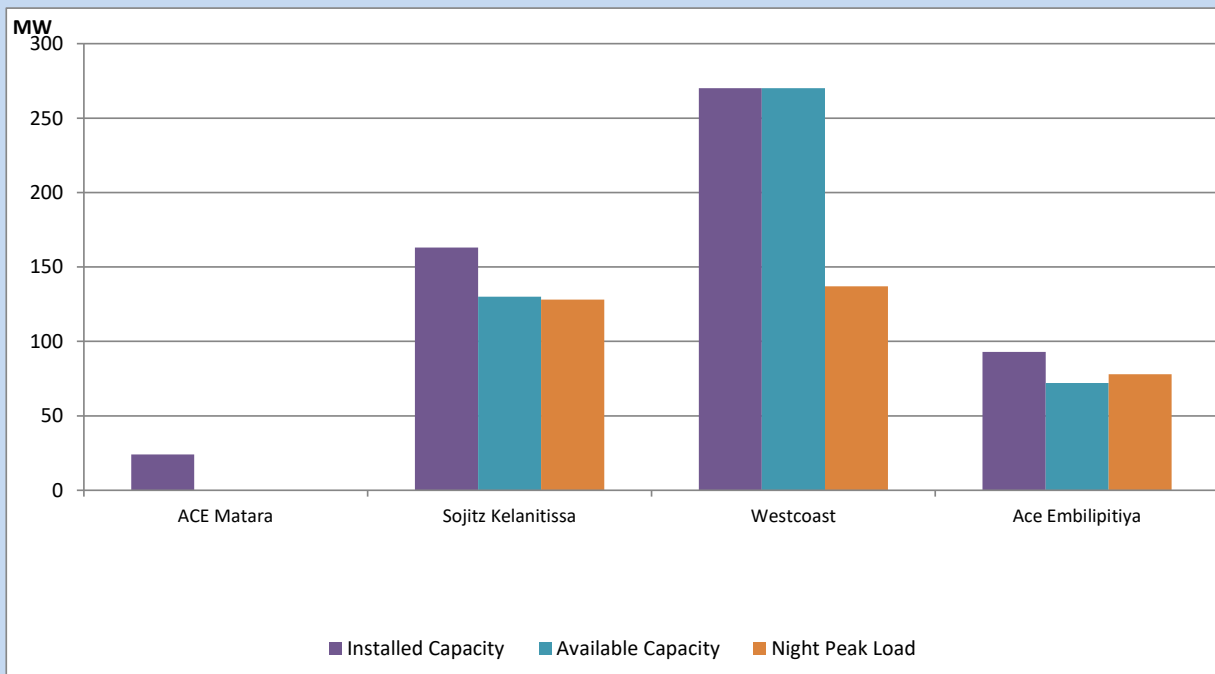
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 6, 2022

IPP owned Thermal Plant Loading at the Night Peak

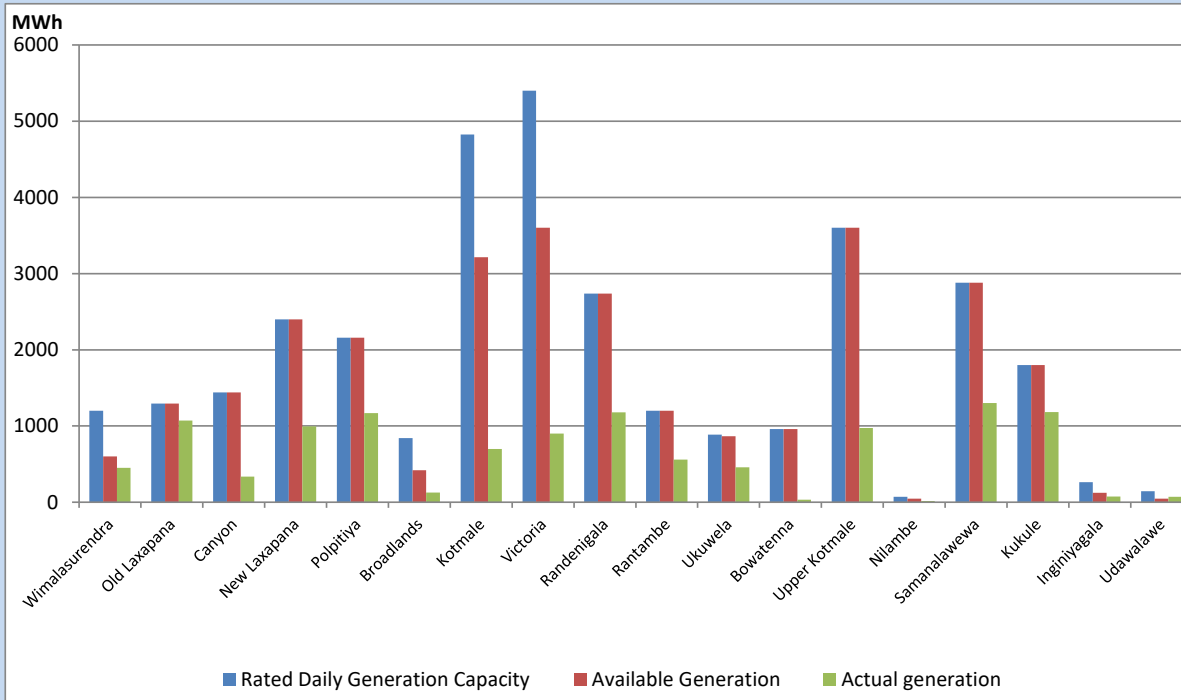


Note- Plant availability is recorded at 6.00 am on

May 6, 2022

Major Hydro Plant Dispatch

May 5, 2022

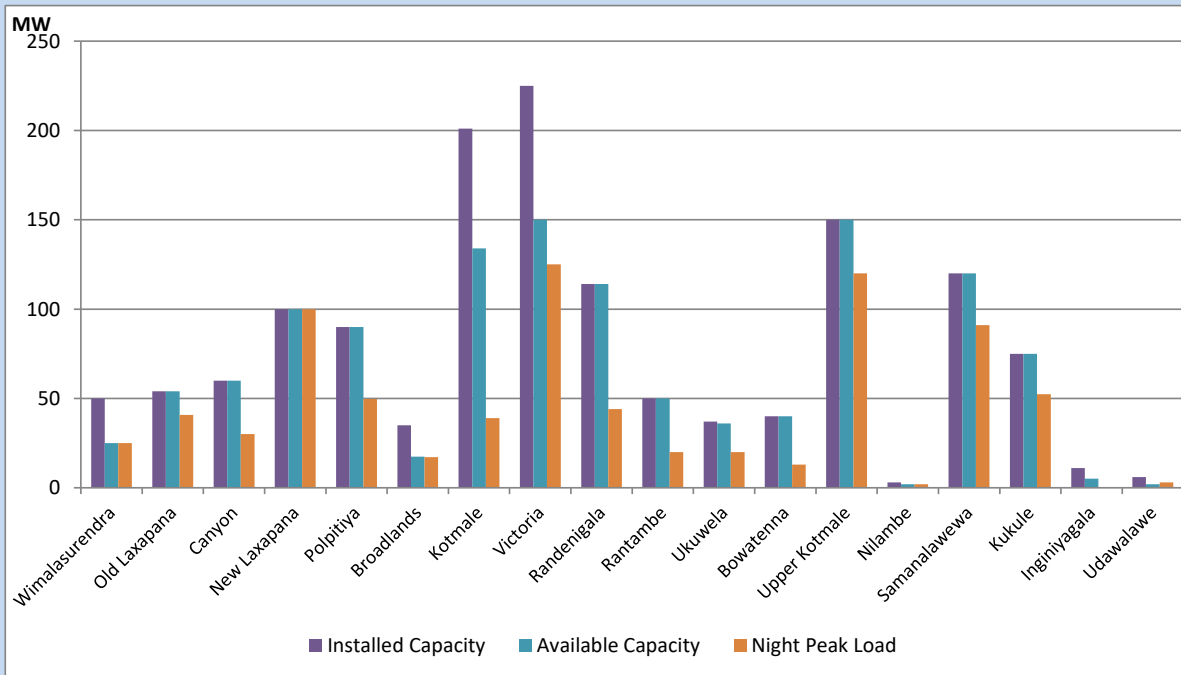


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 6, 2022

Major Hydro Plant Loading at Night Peak

May 5, 2022



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

May 6, 2022

Summary of Major Plant performance

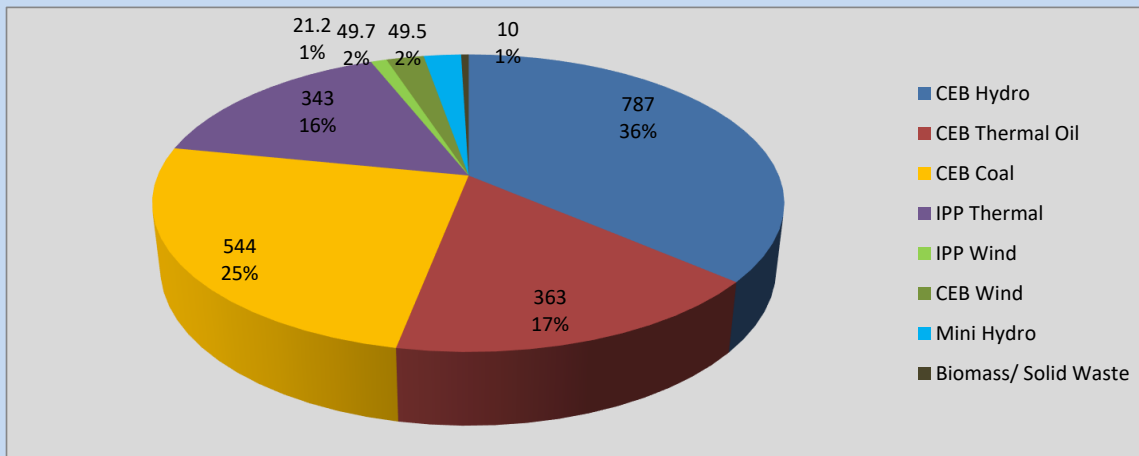
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	450
Old Laxapana	54	54	41	1,071
Canyon	60	60	30	335
New Laxapana	100	100	100	993
Polpitiya	90	90	50	1,168
Broadlands	35	18	17	126
Kotmale	201	134	39	700
Victoria	225	150	125	902
Randenigala	114	114	44	1,180
Rantambe	50	50	20	558
Ukuwela	37	36	20	457
Bowatenna	40	40	13	34
Upper Kotmale	150	150	120	972
Nilambe	3	2	2	14
Samanalawewa	120	120	91	1,301
Kukule	75	75	52	1,184
Inginiyagala	11	5	0	76
Udawalawe	6	2	3	72
Puttalam Coal I	270	270	0	0
Puttalam Coal II	270	270	271	6,522
Puttalam Coal III	270	270	273	6,541
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	872
KCCP	161	152	148	3,625
Sapugaskanda A	70	48	48	1,105
Sapugaskanda B	70	63	63	1,419
Uthura Janani	26	24	23	554
Barge CEB	60	60	58	1,411
CEB-Thulhiriya	10	7	7	118
CEB-Kolonnawa	20	12	11	202
CEB-Mathugama	20	6	5	61
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	130	128	1,689
West Coast	270	270	137	4,832
ACE Embilipitiya	93	72	78	1,785
Total	3,397	3,009	2,172	44,771

Plant availability is the availability recorded at 6 am on

May 6, 2022

Contribution to the Night Peak in MW

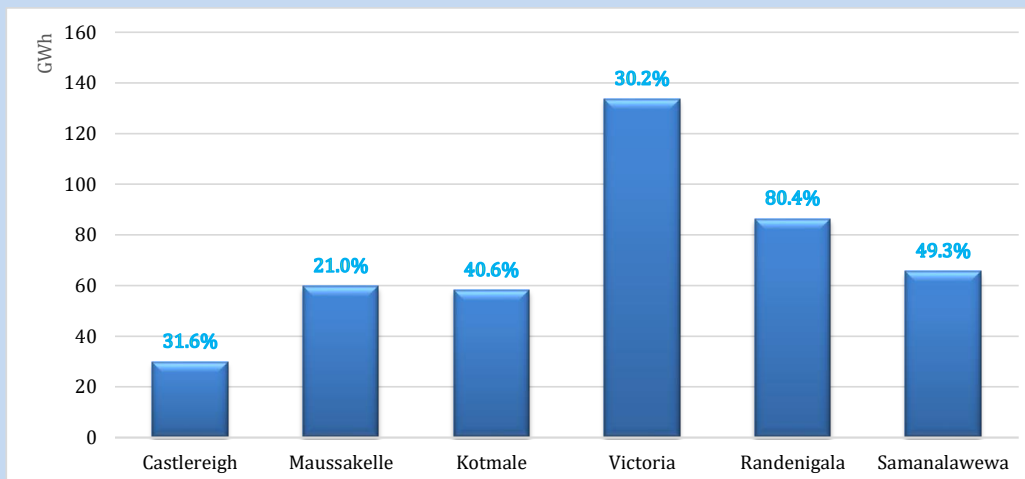
May 5, 2022



Night Peak*	2,167.3 MW
Day Peak	1,955.4 MW
Minimum Demand	1,506.7 MW

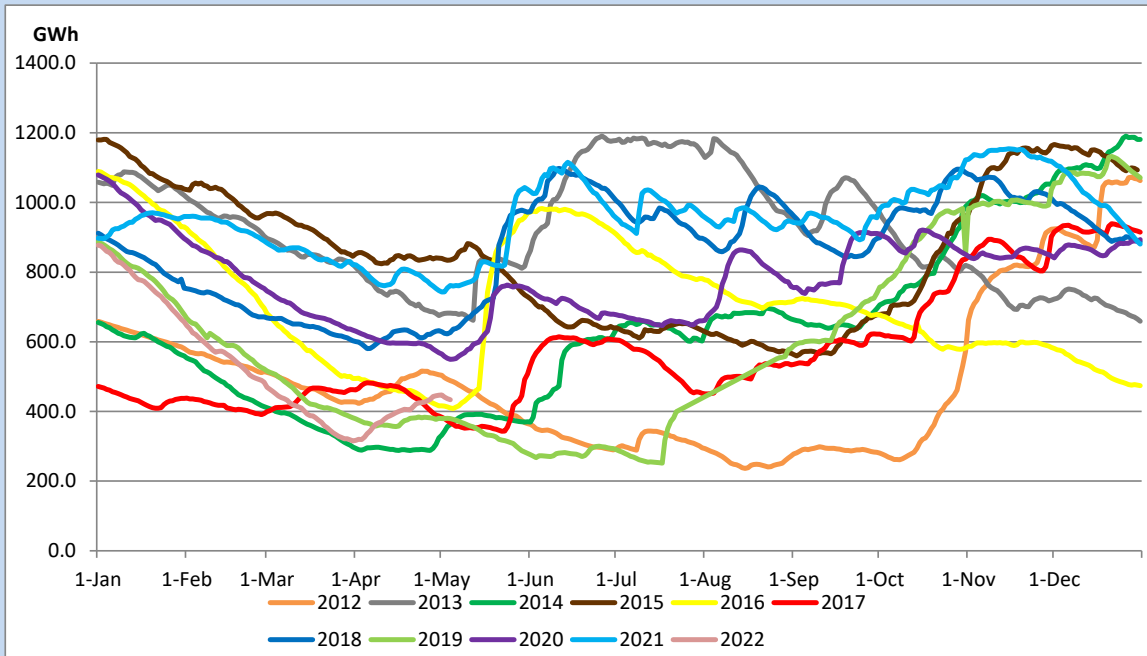
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Reservoir Levels - as at 06.00 Hr on May 6, 2022



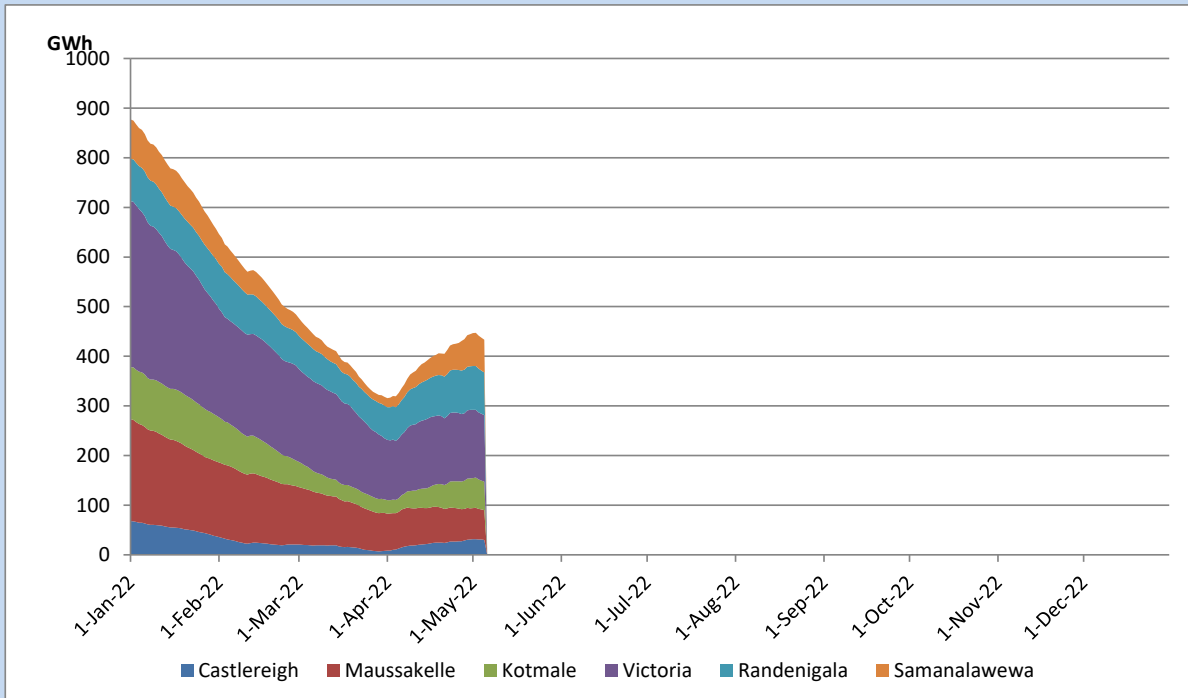
Total Reservoir Level	433.3 GWh
% of Total capacity	42.2%

Comparison of Total Reservoir Storage Levels with Past Years

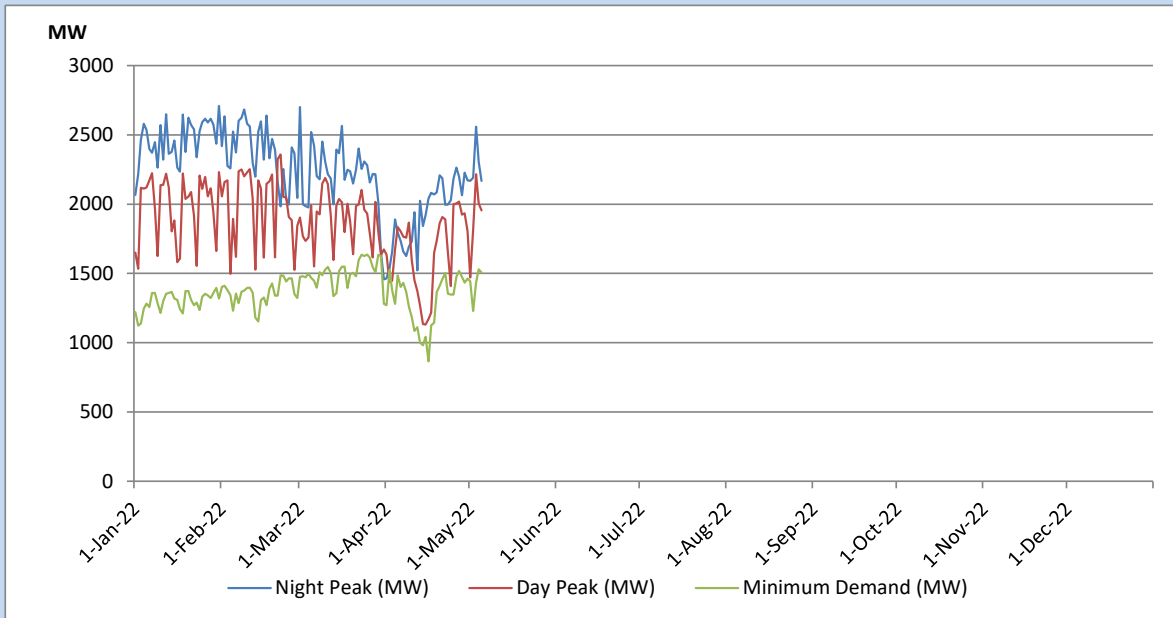


Data for 2018 and 2019 are only available for part of year.

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



Variation of Demand during the current year

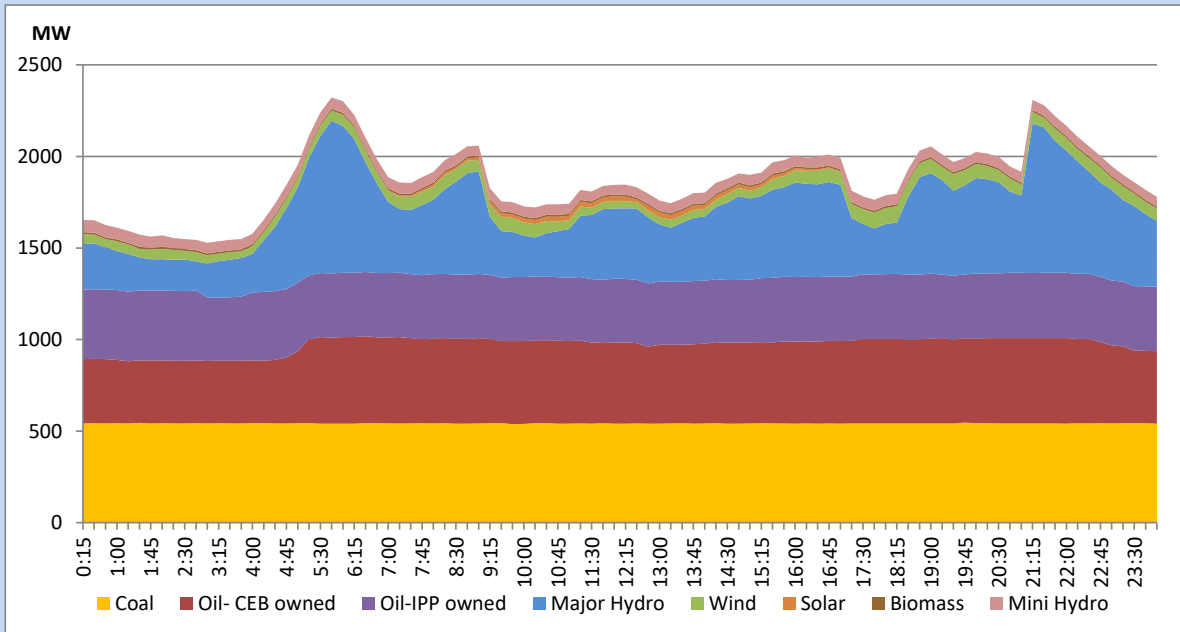


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

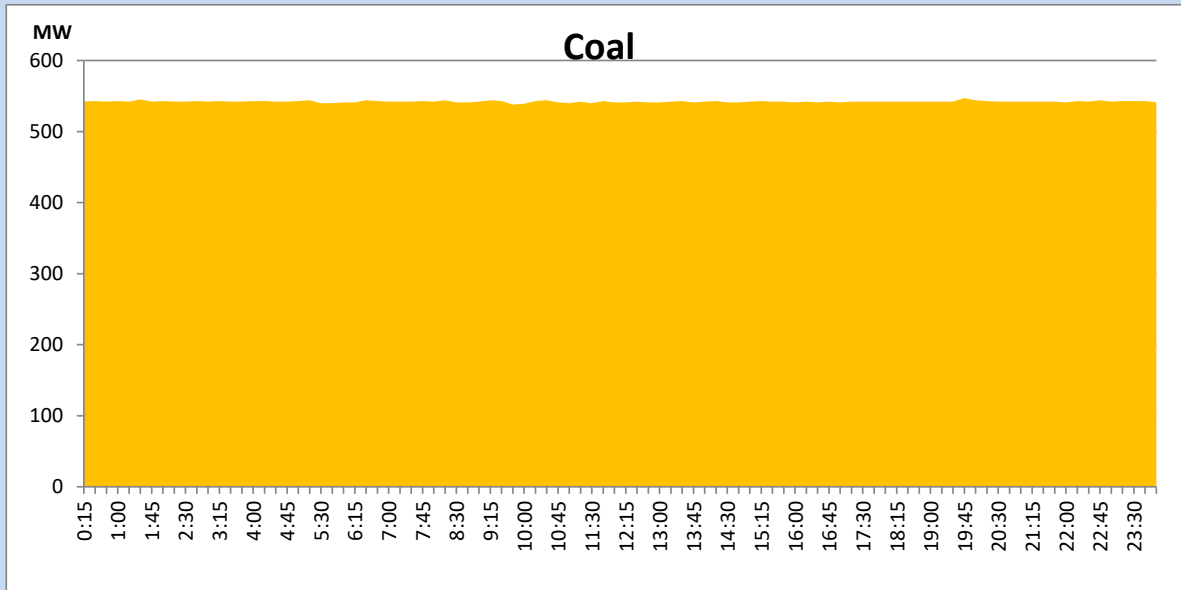
May 4, 2022

Solar and wind data is based on Telemetered Power Stations only



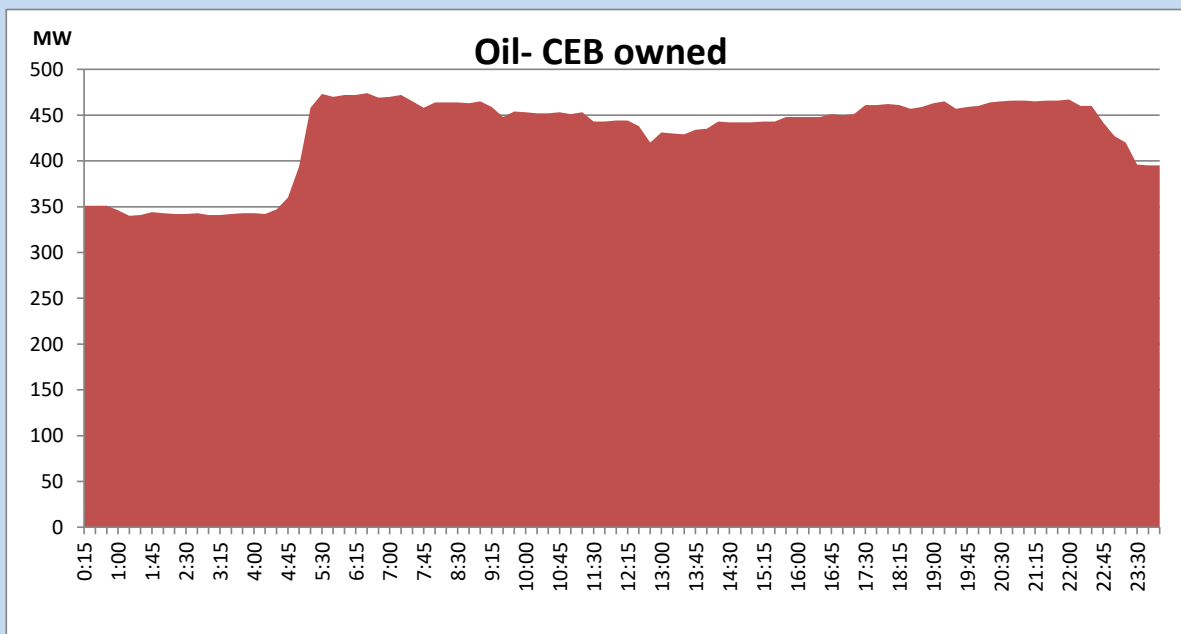
Coal Generation during the Previous day

May 4, 2022



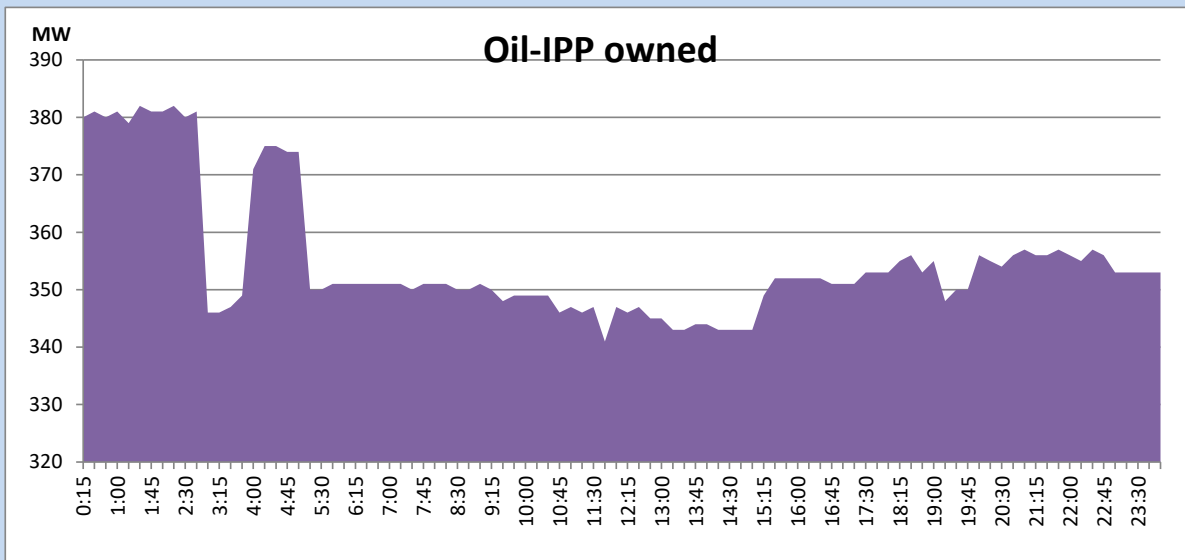
CEB Oil Plant Generation during the Previous day

May 4, 2022



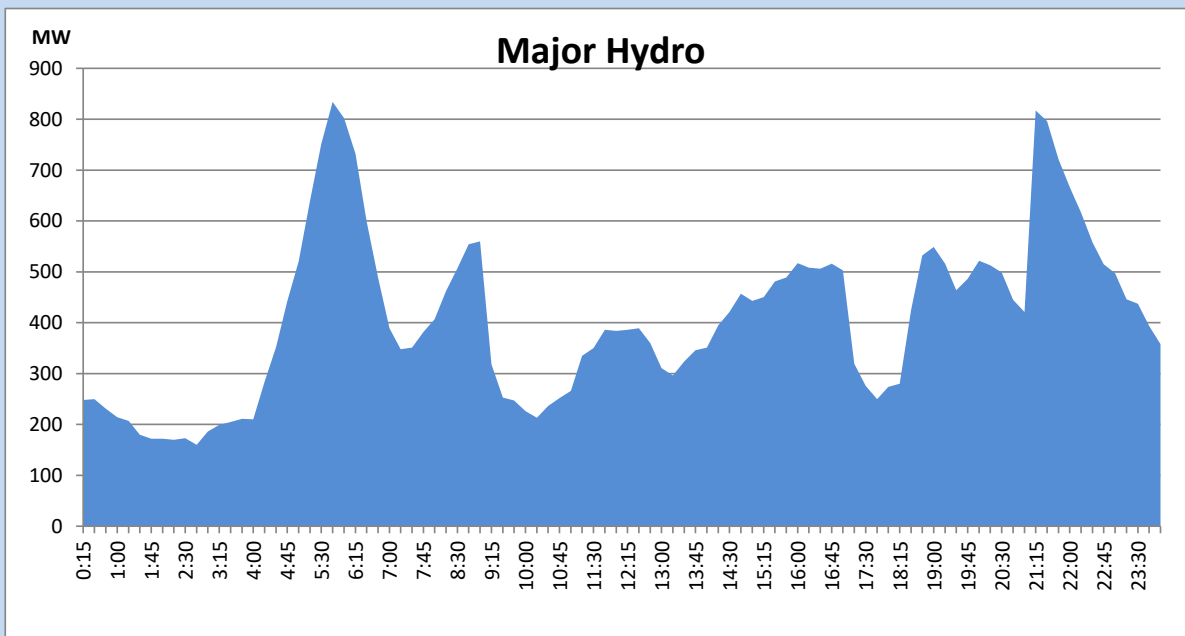
IPP Oil Plant Generation during the Previous day

May 4, 2022



Major Hydro Generation during the Previous day

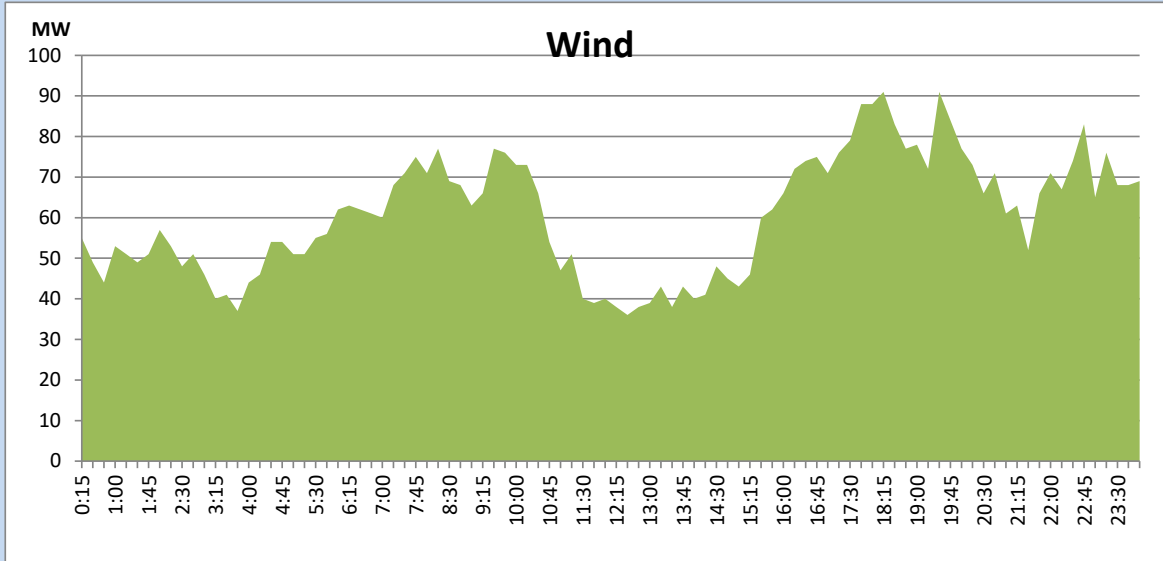
May 4, 2022



Wind Generation during the Previous day

May 4, 2022

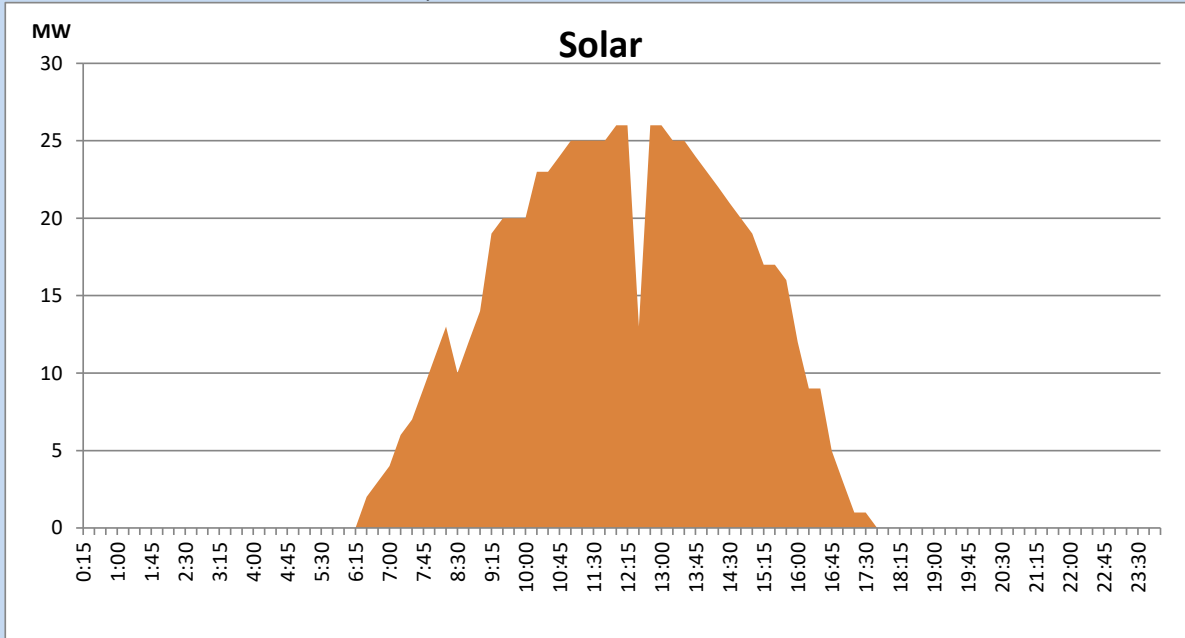
Based on Telemetered Power Stations only



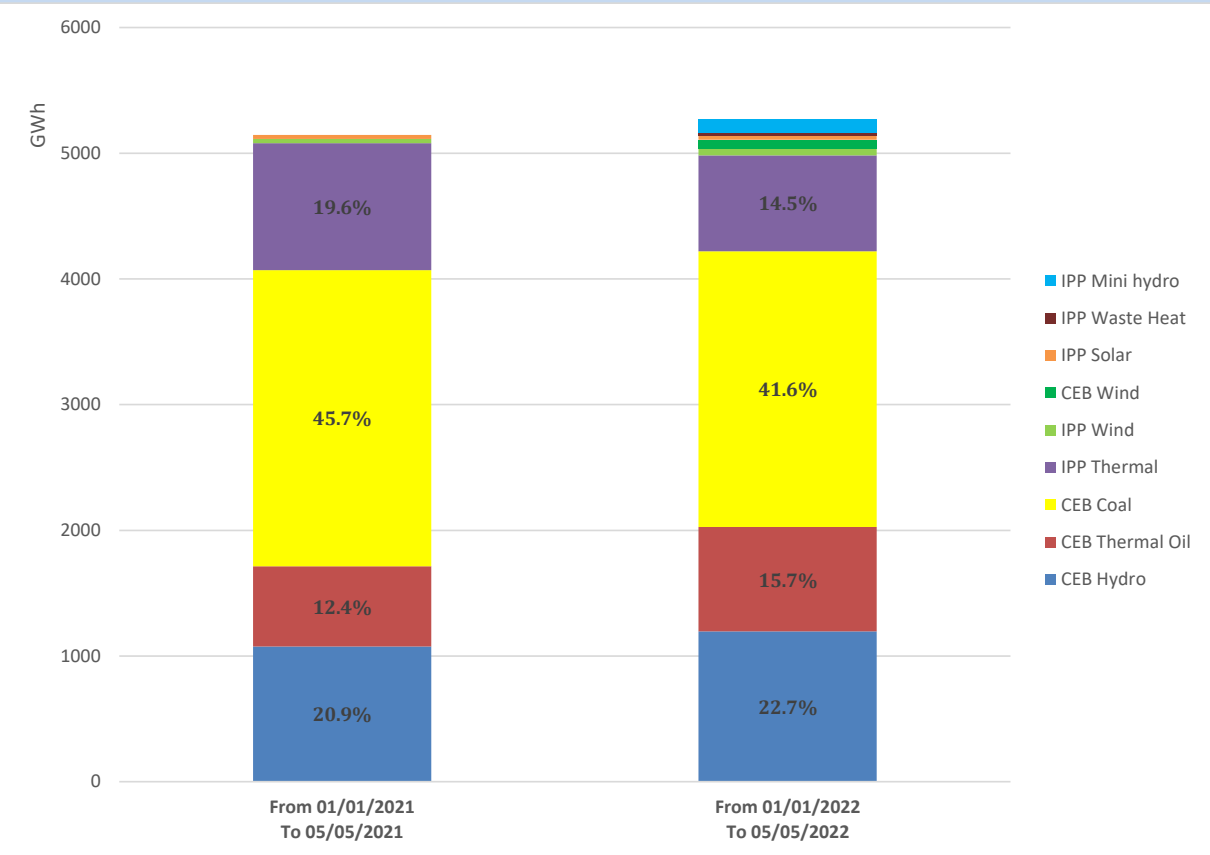
Solar Generation during the Previous day

May 4, 2022

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	Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

Major Incidents during the day -as reported by CEB morning of

May 6, 2022

- 1) Rotational manual load shedding was carried out from 6:00hrs to 21:00hrs.
- 2) Matugama -Kalutara cct tripped from Matugama end, tripped and A/R from Kalutara end at 05:42hrs on 06.05.2022 due to the operation of distance protection. At the same time Horana- Matugama cct tripped from Horana end ,tripped and A/R from Matugama end due to the operation of distance protection. As a result Matugama , Ambalan GSSs became dead and Kukule Gen 02 tripped due to over frequency. Ambalan GSS restored via New Galle side at 05:49hrs. Matu-Kalutara and Matugama-Horana ccts restored at 05:56hrs. Kukule Gen 02 resumed generation at 06:30hrs.