

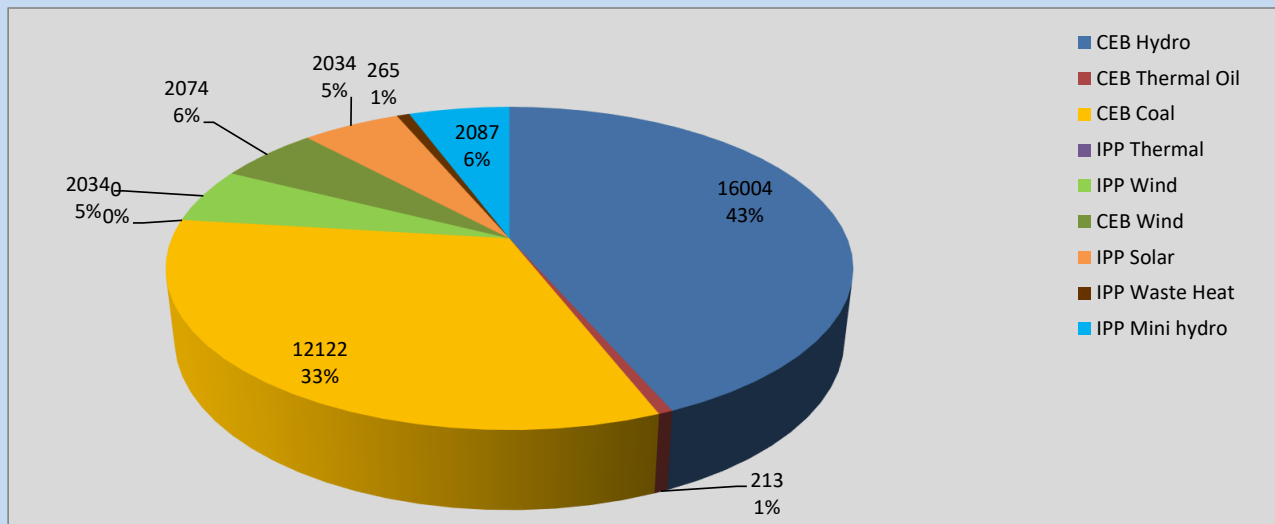
Generation and Reservoirs Statistics

May 11, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation **35,076 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

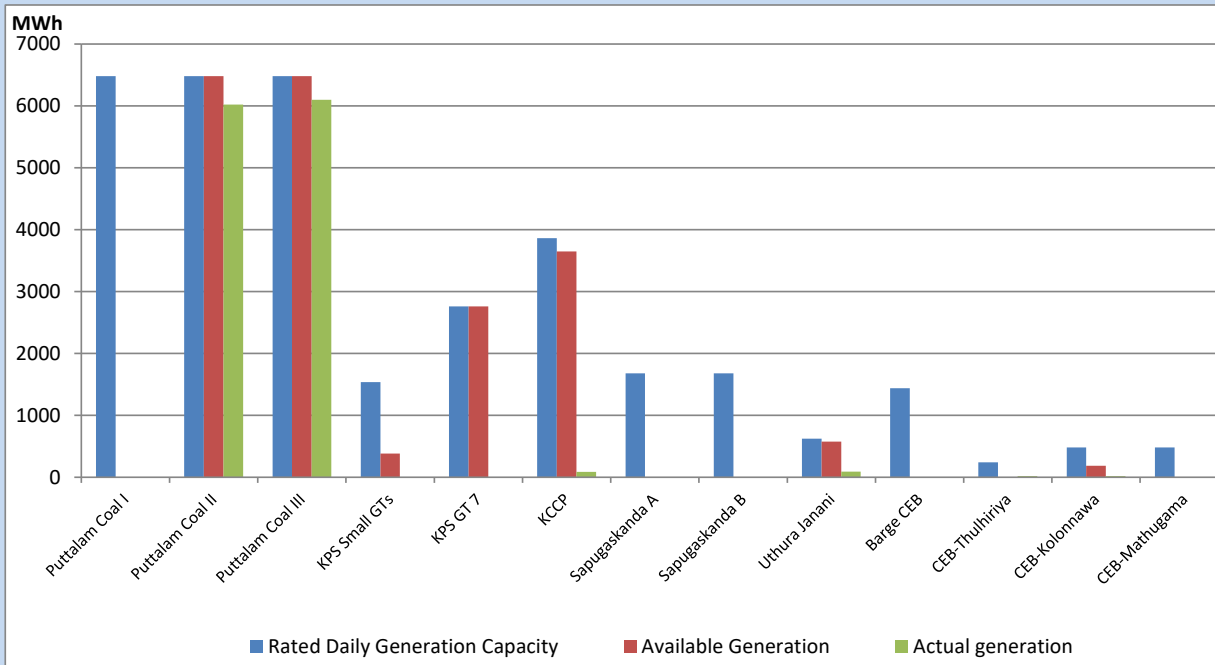
Category	Dispatch (GWh)	
CEB Hydro	125.73	27.84%
CEB Thermal Oil	67.18	14.88%
CEB Coal	151.82	33.62%
IPP Thermal	62.37	13.81%
SPP Wind	12.28	2.72%
CEB Wind	12.18	2.70%
SPP Solar	2.77	0.61%
SPP Solid Waste	2.87	0.64%
Mini Hydro	14.42	3.19%
Total	451.62	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,274.0	23.13%
CEB Thermal Oil	852.7	15.48%
CEB Coal	2,272.2	41.26%
IPP Thermal	790.6	14.36%
SPP Wind	63.3	1.15%
CEB Wind	77.8	1.41%
SPP Solar	34.1	0.62%
SPP Solid Waste	26.7	0.48%
Mini Hydro	116.5	2.11%
Total	5,507.6	

CEB owned Thermal Plant Dispatch

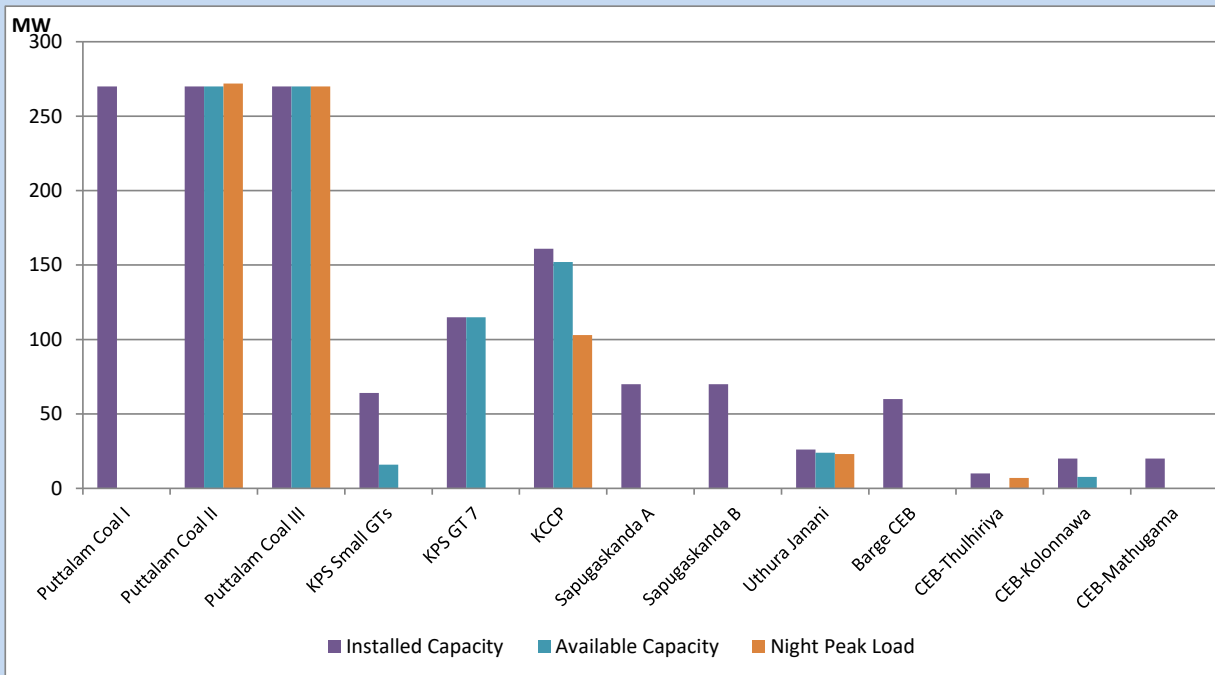
May 11, 2022



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

May 12, 2022

CEB owned Thermal Plant Loading at the Night Peak



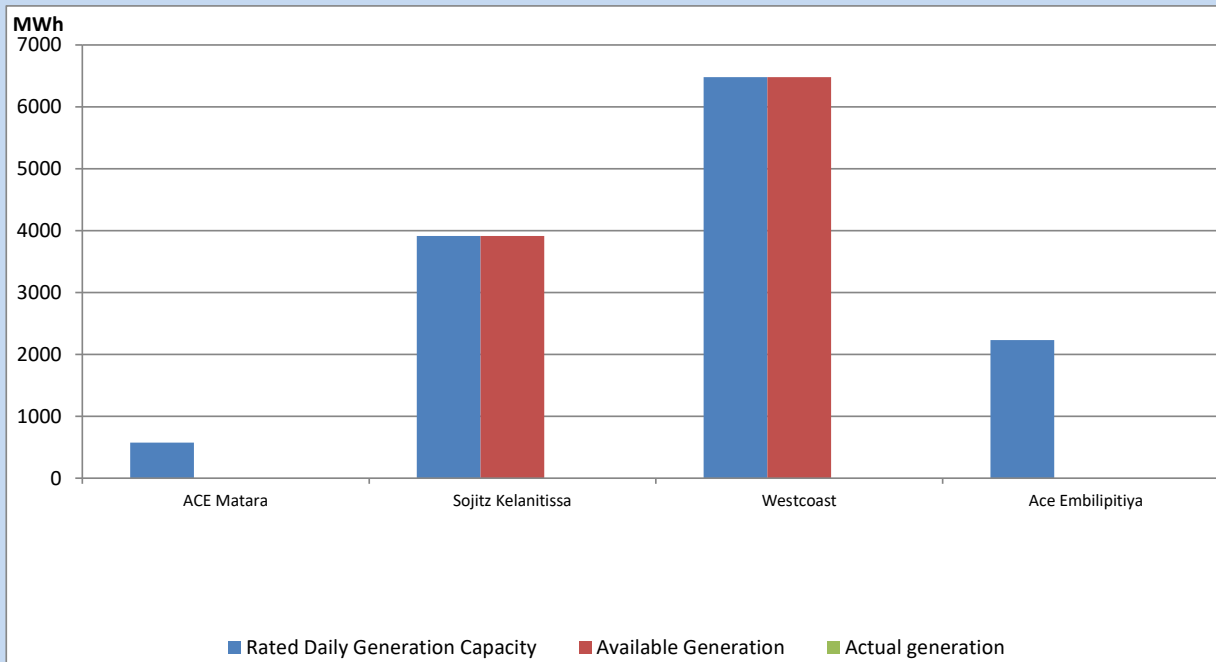
Note- Plant availability is recorded at 6.00 am on

May 12, 2022

IPP owned Thermal Plant Dispatch

May 11, 2022

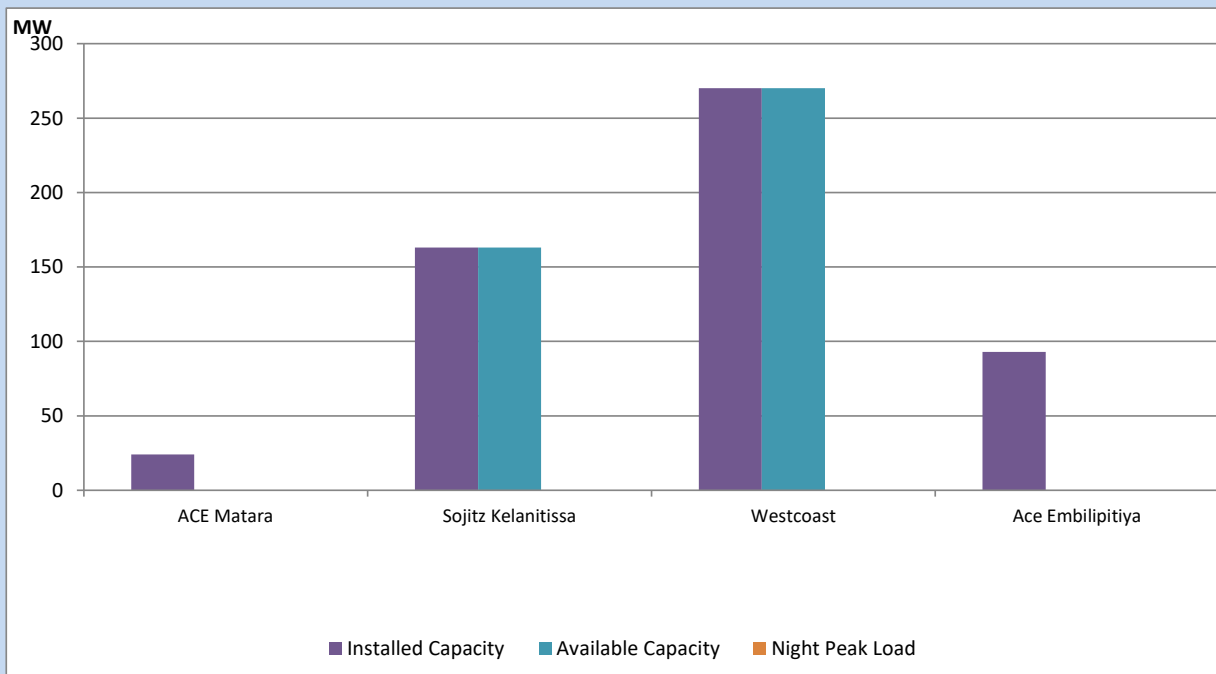
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 12, 2022

IPP owned Thermal Plant Loading at the Night Peak

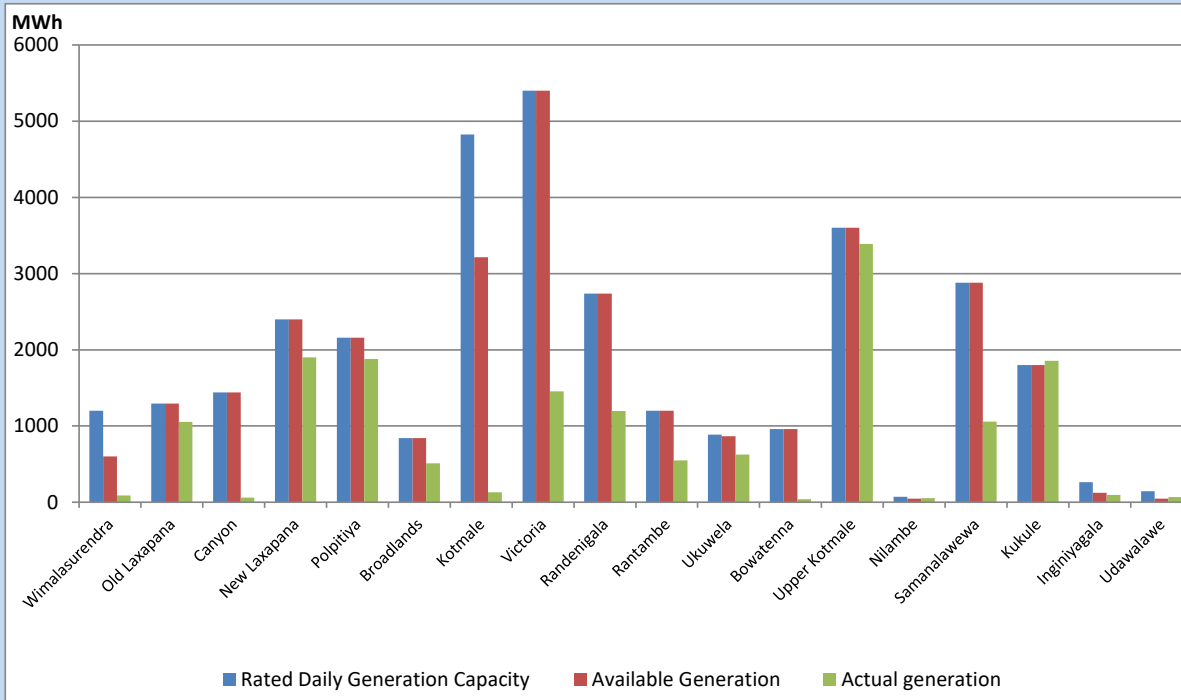


Note- Plant availability is recorded at 6.00 am on

May 12, 2022

Major Hydro Plant Dispatch

May 11, 2022

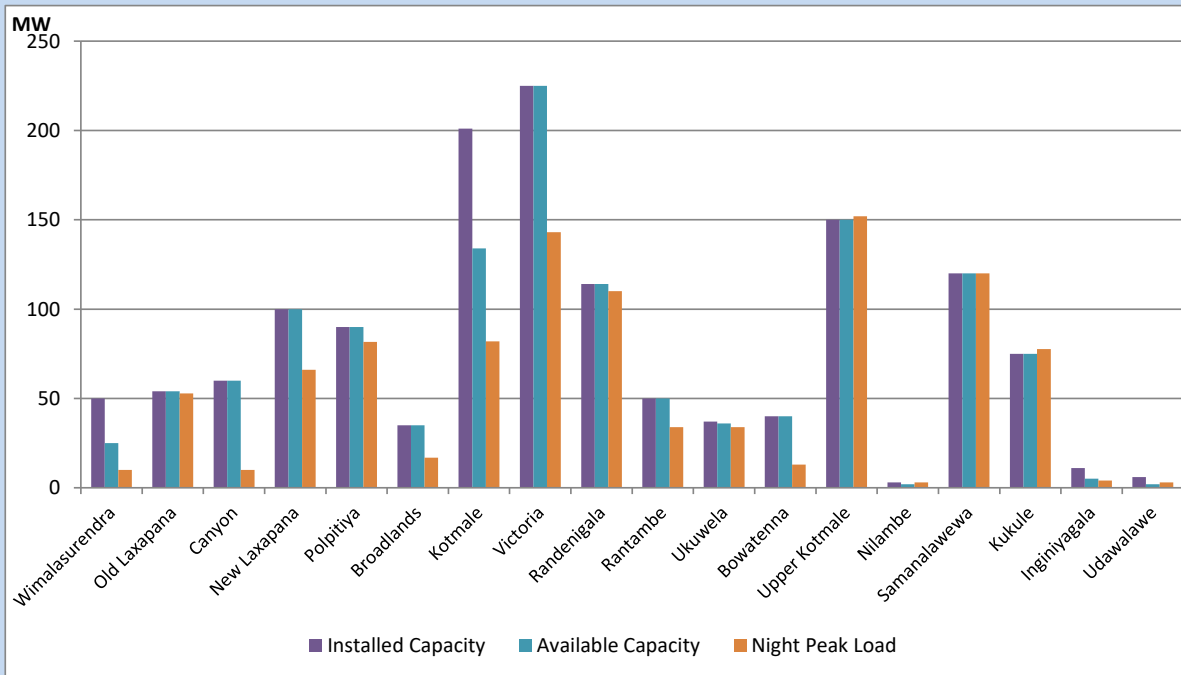


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 12, 2022

Major Hydro Plant Loading at Night Peak

May 11, 2022



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

May 12, 2022

Summary of Major Plant performance

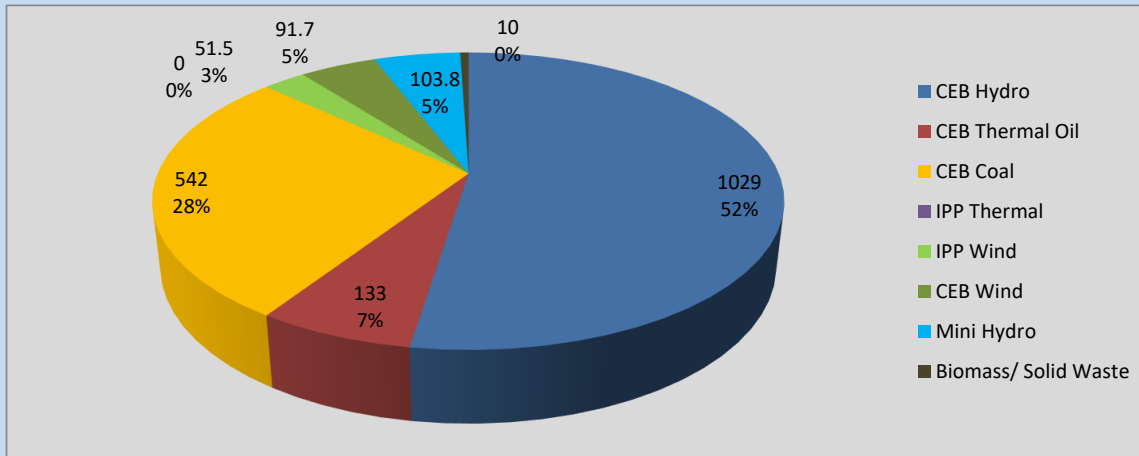
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	87
Old Laxapana	54	54	53	1,055
Canyon	60	60	10	60
New Laxapana	100	100	66	1,902
Polpitiya	90	90	82	1,879
Broadlands	35	35	17	509
Kotmale	201	134	82	130
Victoria	225	225	143	1,456
Randenigala	114	114	110	1,198
Rantambe	50	50	34	547
Ukuwela	37	36	34	624
Bowatenna	40	40	13	39
Upper Kotmale	150	150	152	3,389
Nilambe	3	2	3	55
Samanalawewa	120	120	120	1,056
Kukule	75	75	78	1,855
Inginiyagala	11	5	4	94
Udawalawe	6	2	3	69
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	272	6,021
Puttalam Coal III	270	270	270	6,101
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	103	86
Sapugaskanda A	70	0	0	0
Sapugaskanda B	70	0	0	0
Uthura Janani	26	24	23	91
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	0	7	19
CEB-Kolonnawa	20	8	0	17
CEB-Mathugama	20	0	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	163	0	0
West Coast	270	270	0	0
ACE Embilipitiya	93	0	0	0
Total	3,397	2,605	1,945	35,076

Plant availability is the availability recorded at 6 am on

May 12, 2022

Contribution to the Night Peak in MW

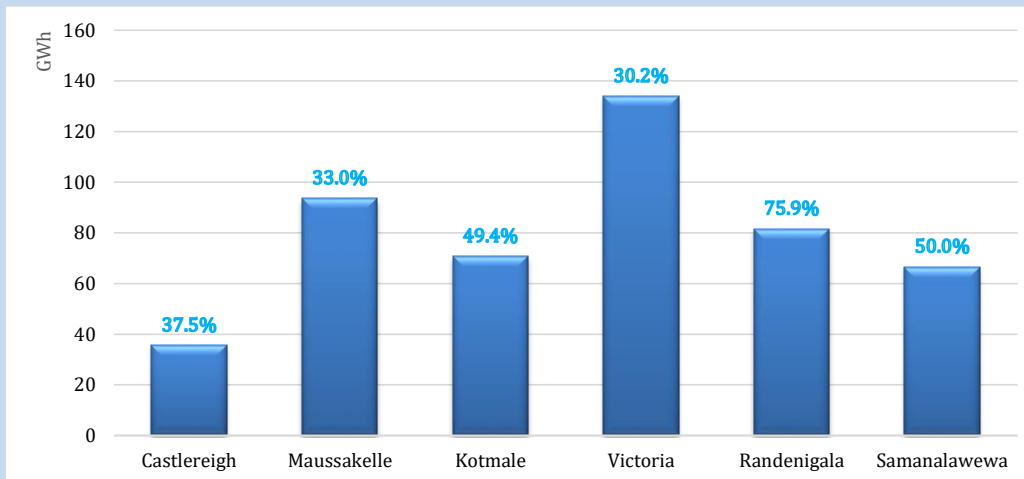
May 11, 2022



Night Peak*	1,961.0 MW
Day Peak	1,406.0 MW
Minimum Demand	1,226.0 MW

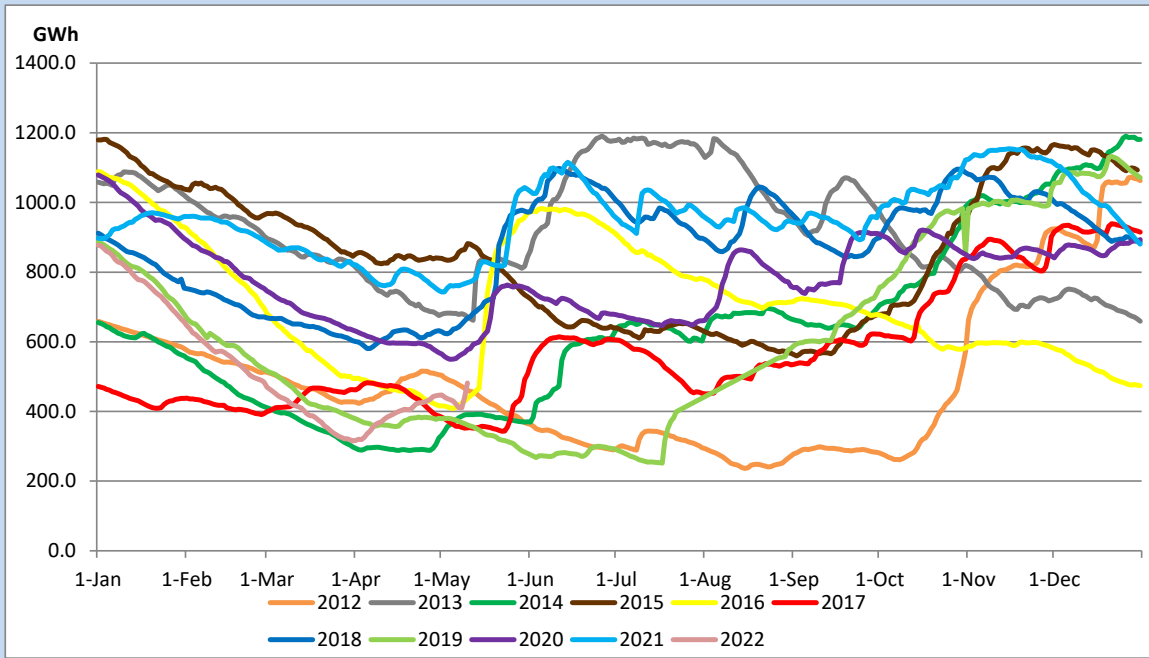
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Reservoir Levels - as at 06.00 Hr on May 12, 2022



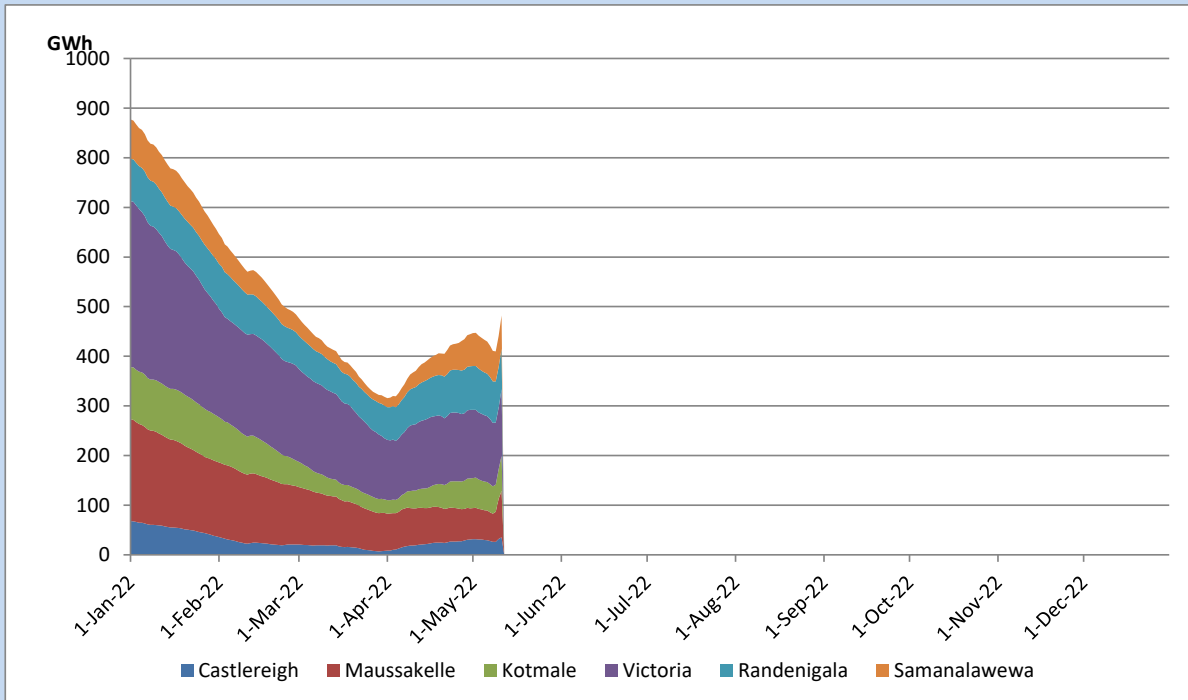
Total Reservoir Level	481.9 GWh
% of Total capacity	46.0%

Comparison of Total Reservoir Storage Levels with Past Years

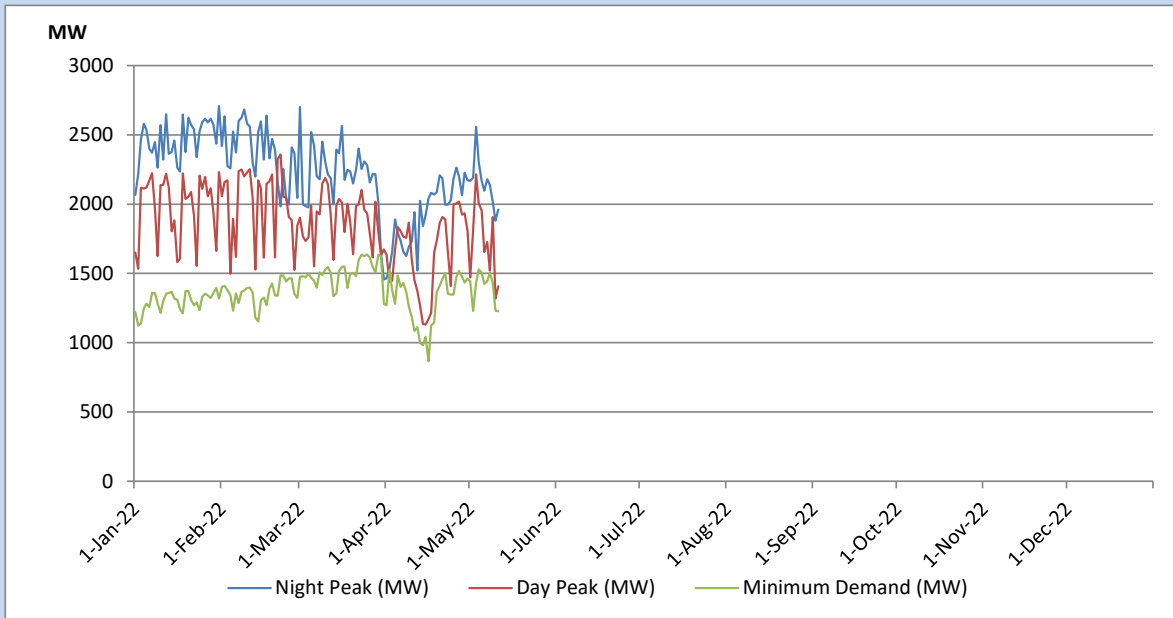


Data for 2018 and 2019 are only available for part of year.

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



Variation of Demand during the current year

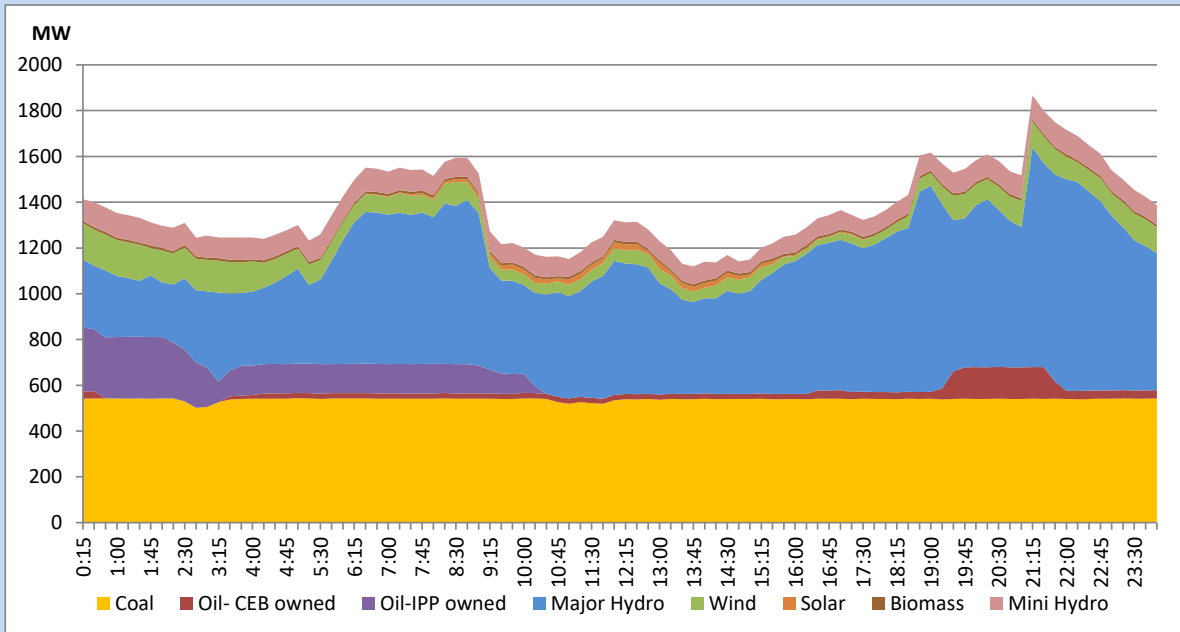


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

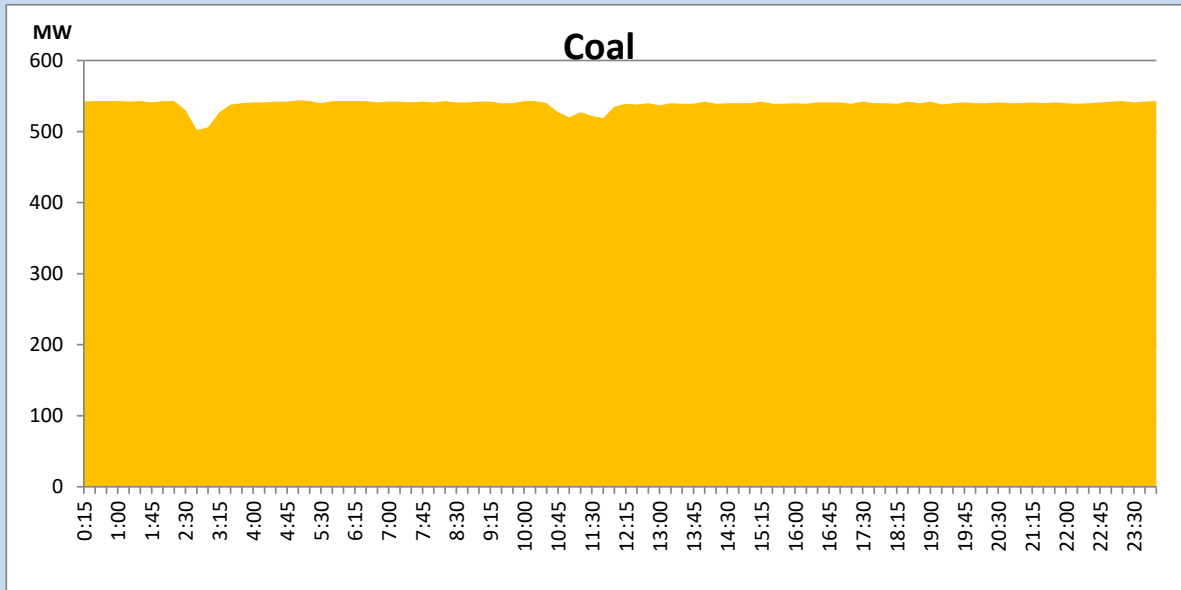
May 10, 2022

Solar and wind data is based on Telemetered Power Stations only



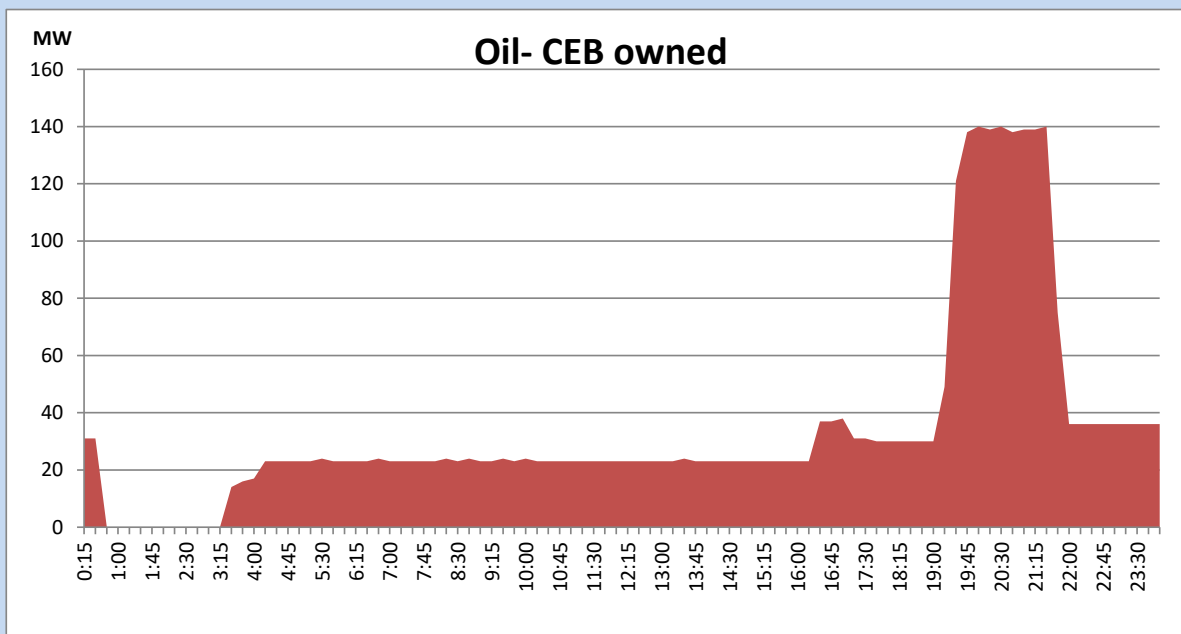
Coal Generation during the Previous day

May 10, 2022



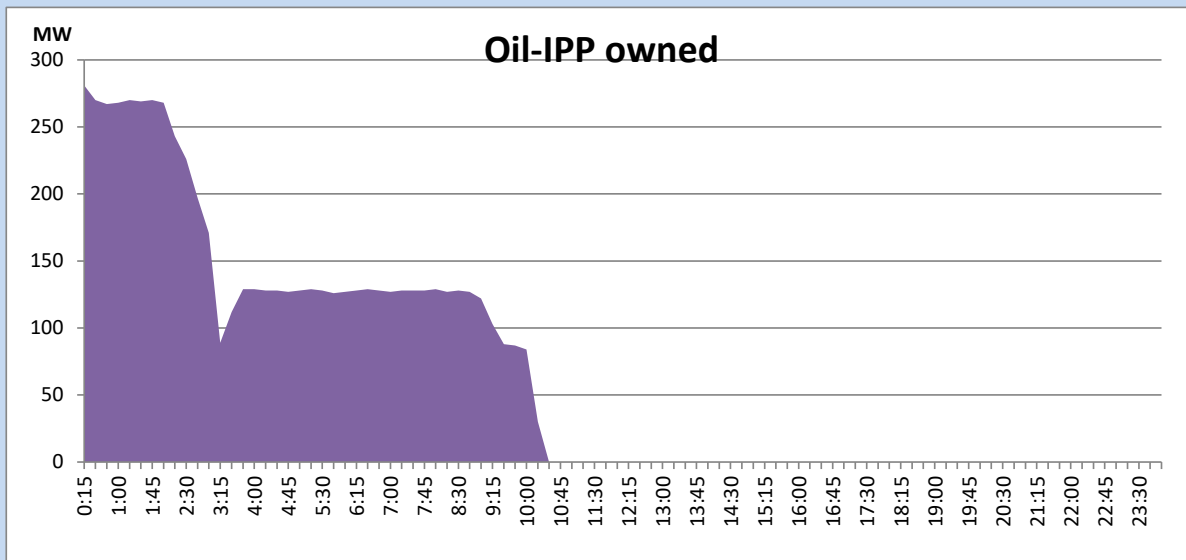
CEB Oil Plant Generation during the Previous day

May 10, 2022



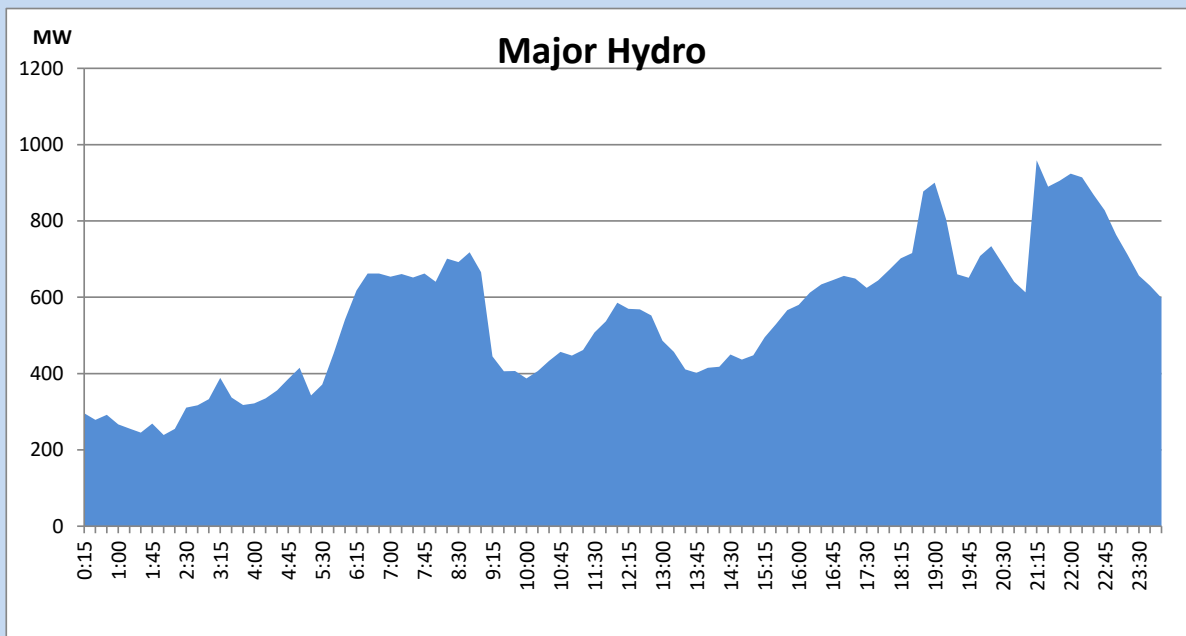
IPP Oil Plant Generation during the Previous day

May 10, 2022



Major Hydro Generation during the Previous day

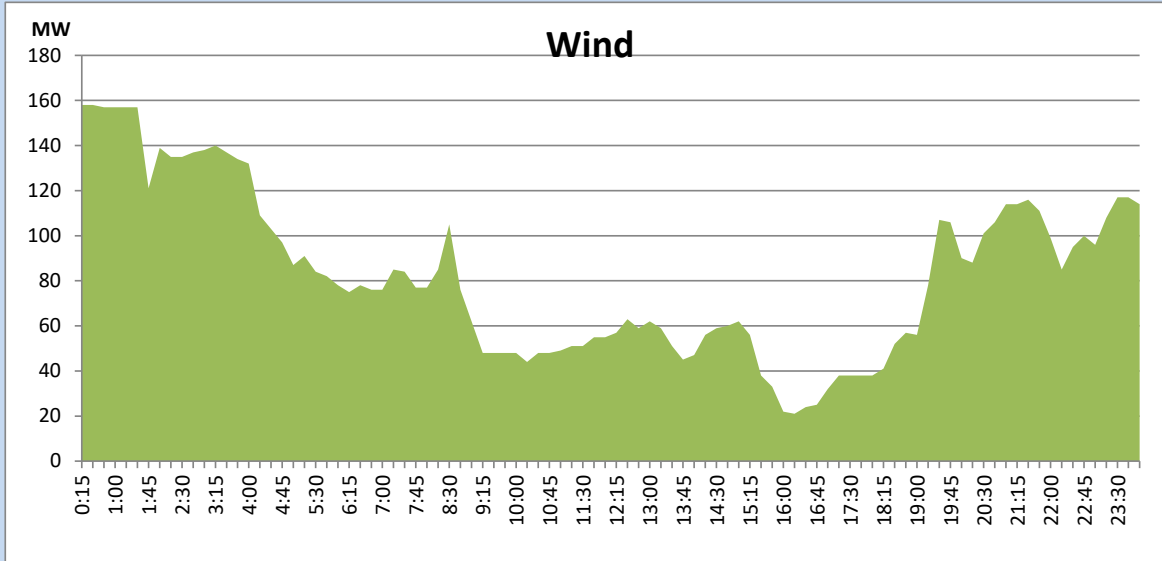
May 10, 2022



Wind Generation during the Previous day

May 10, 2022

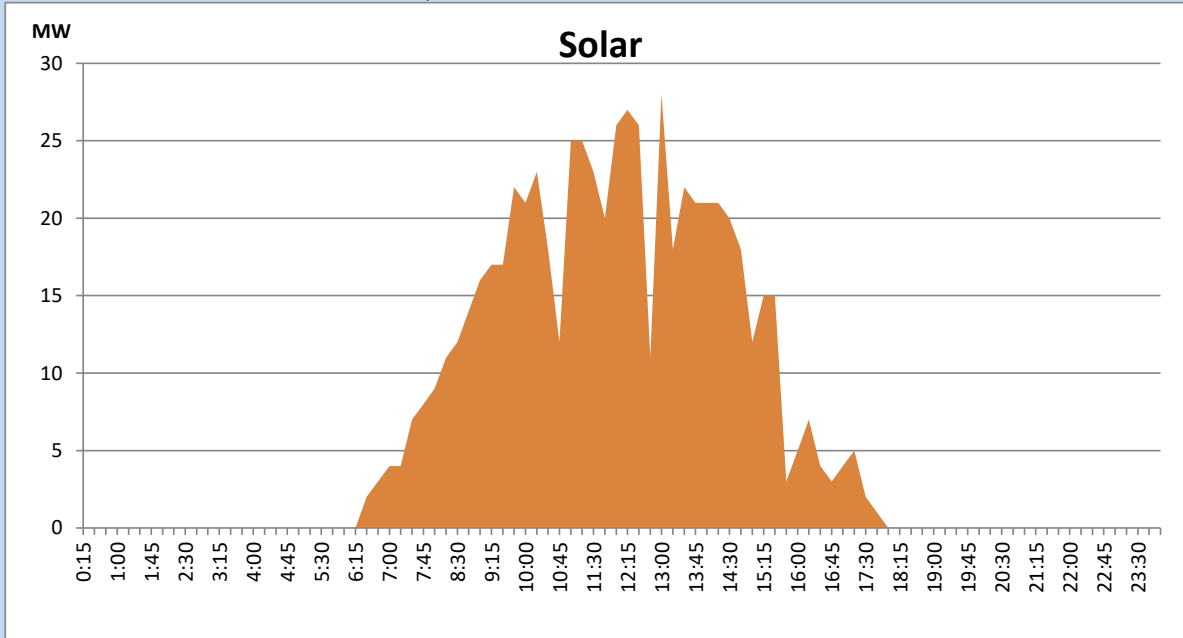
Based on Telemetered Power Stations only



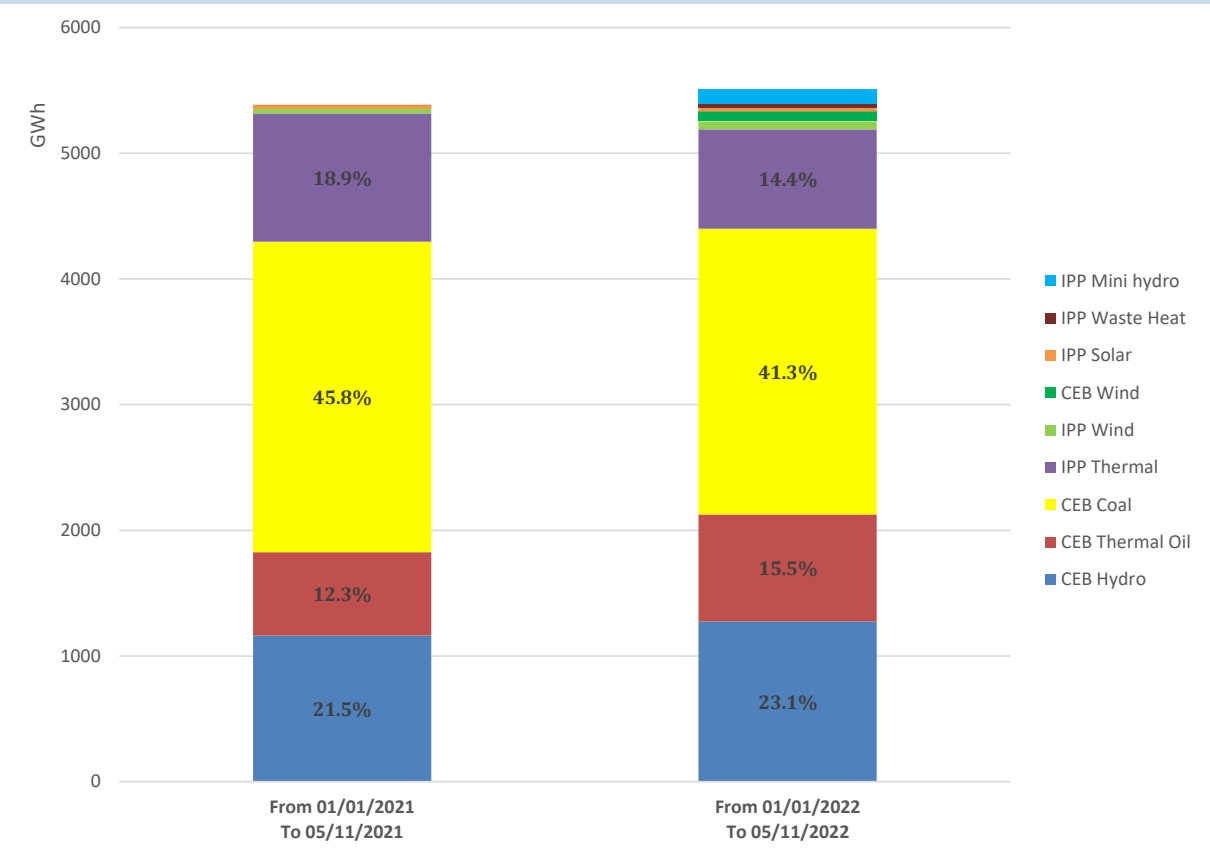
Solar Generation during the Previous day

May 10, 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 12, 2022

1) Rotational manual load shedding was carried out from 5:00hrs to 21:00hrs.

2) N'Lax-Polpitiya cct 02 tripped from N'Lax end and tripped & A/R from Polpitiya end due to the operation of distance protection at 06:37hrs.

At the same time, O'Lax all units and S'wewa both units tripped rejecting 140MW from the system. System recovered with operation of UFLS Stage-III. N'Lax-Polpitiya cct 02 restored at 07:39hrs. S'wewa both units & O'Lax generators restored by 07:35hrs & 11:25hrs, respectively.

3) Ratnapura 33kV Feeder-02 tripped at 14:05hrs due to earth fault. At the same time 52MW of MHP generation rejected from the system and system recovered with operation of UFLS stage-I.

4) Canyon, Norton, Laxapana & U'Kotmale ponds spilling stopped at 4:45hrs, 12:13hrs, 13:50hrs and 16:18hrs, respectively. Kukule spilling continues to present hour.