

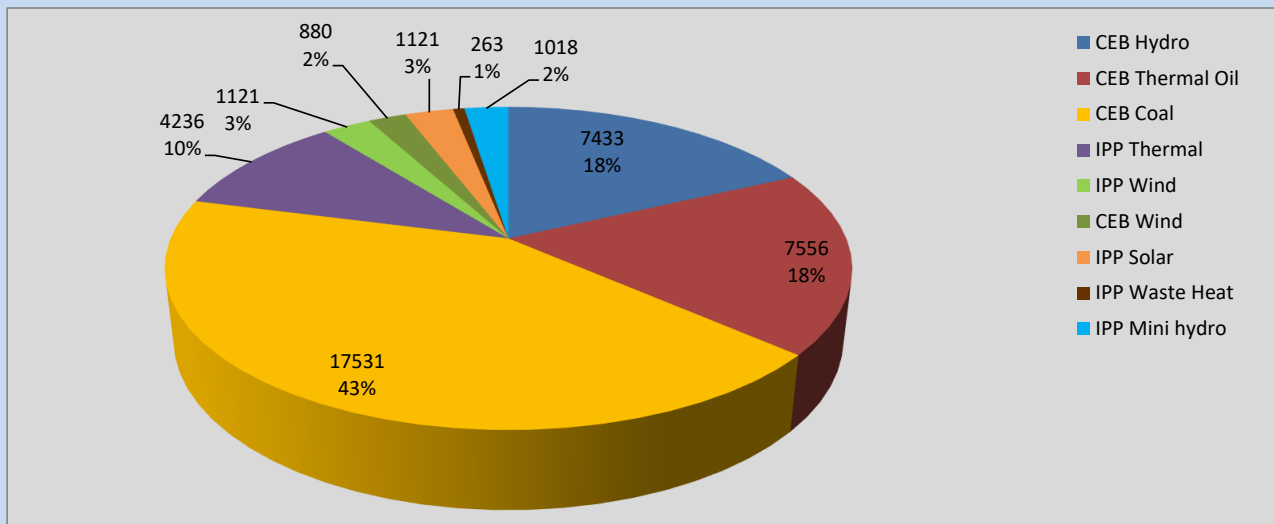
Generation and Reservoirs Statistics

May 2, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation

40,331 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

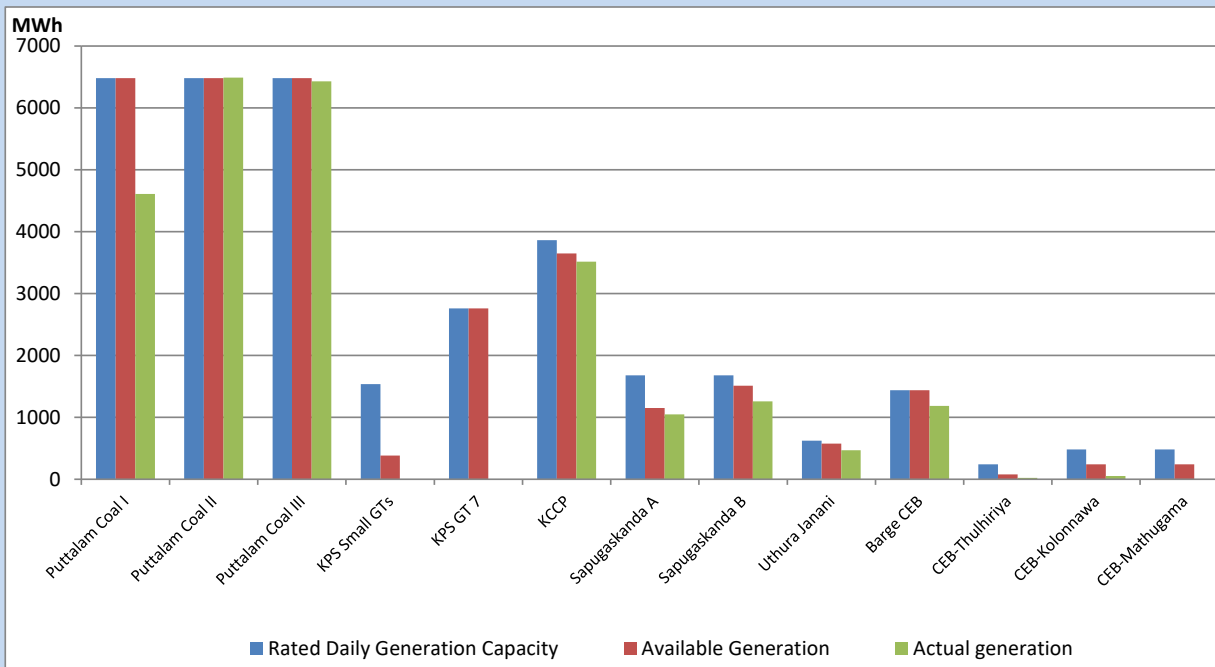
Category	Dispatch (GWh)	Percentage
CEB Hydro	13.45	17.03%
CEB Thermal Oil	15.02	19.01%
CEB Coal	35.36	44.76%
IPP Thermal	7.06	8.94%
SPP Wind	2.39	3.03%
CEB Wind	2.48	3.14%
SPP Solar	0.52	0.66%
SPP Solid Waste	0.53	0.67%
Mini Hydro	2.19	2.77%
Total	79.00	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,161.7	22.62%
CEB Thermal Oil	800.5	15.59%
CEB Coal	2,155.7	41.98%
IPP Thermal	735.3	14.32%
SPP Wind	53.4	1.04%
CEB Wind	68.1	1.33%
SPP Solar	31.8	0.62%
SPP Solid Waste	24.3	0.47%
Mini Hydro	104.3	2.03%
Total	5,134.9	

CEB owned Thermal Plant Dispatch

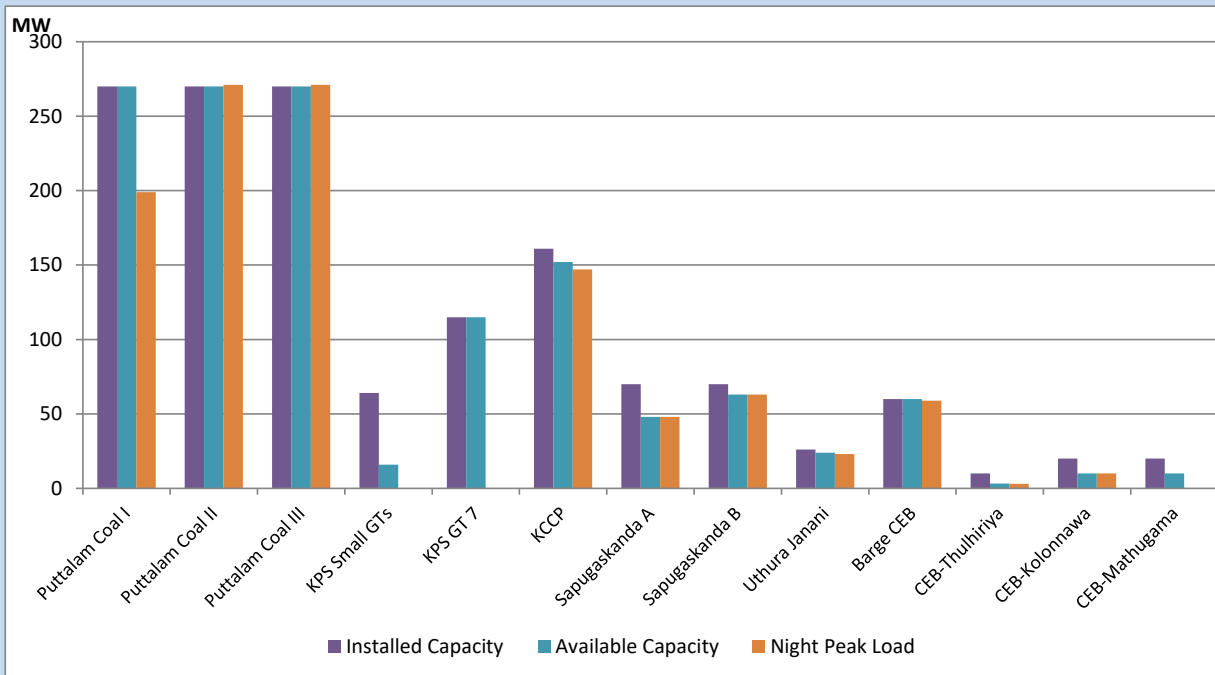
May 2, 2022



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

May 3, 2022

CEB owned Thermal Plant Loading at the Night Peak



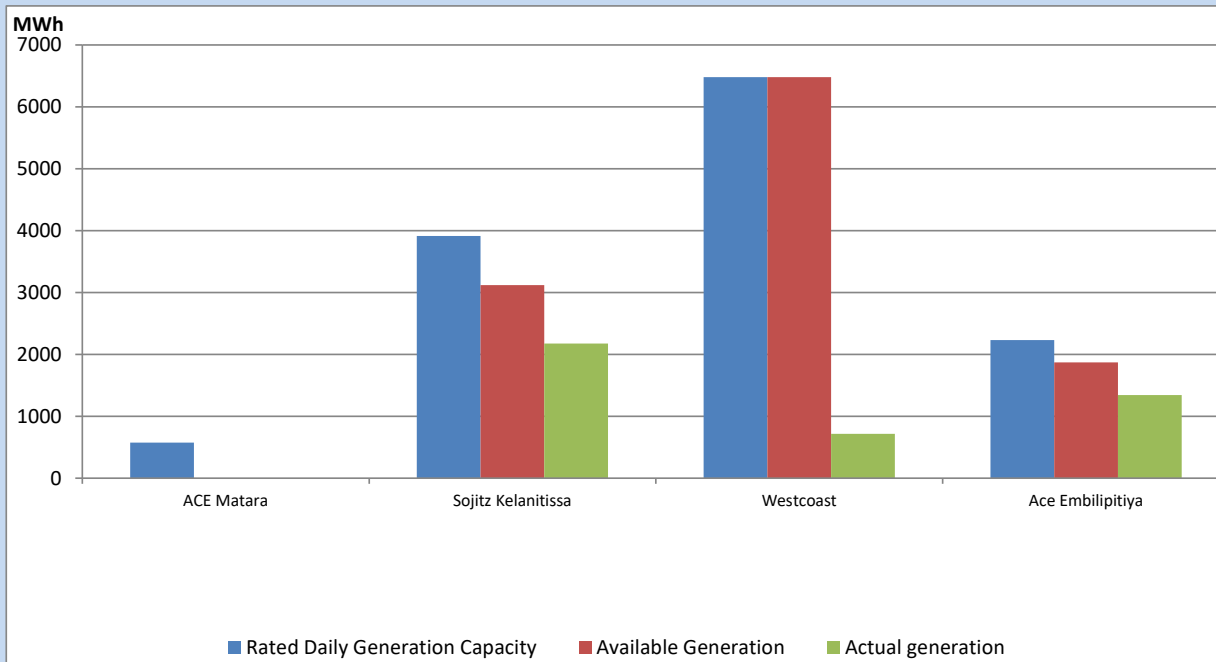
Note- Plant availability is recorded at 6.00 am on

May 3, 2022

IPP owned Thermal Plant Dispatch

May 2, 2022

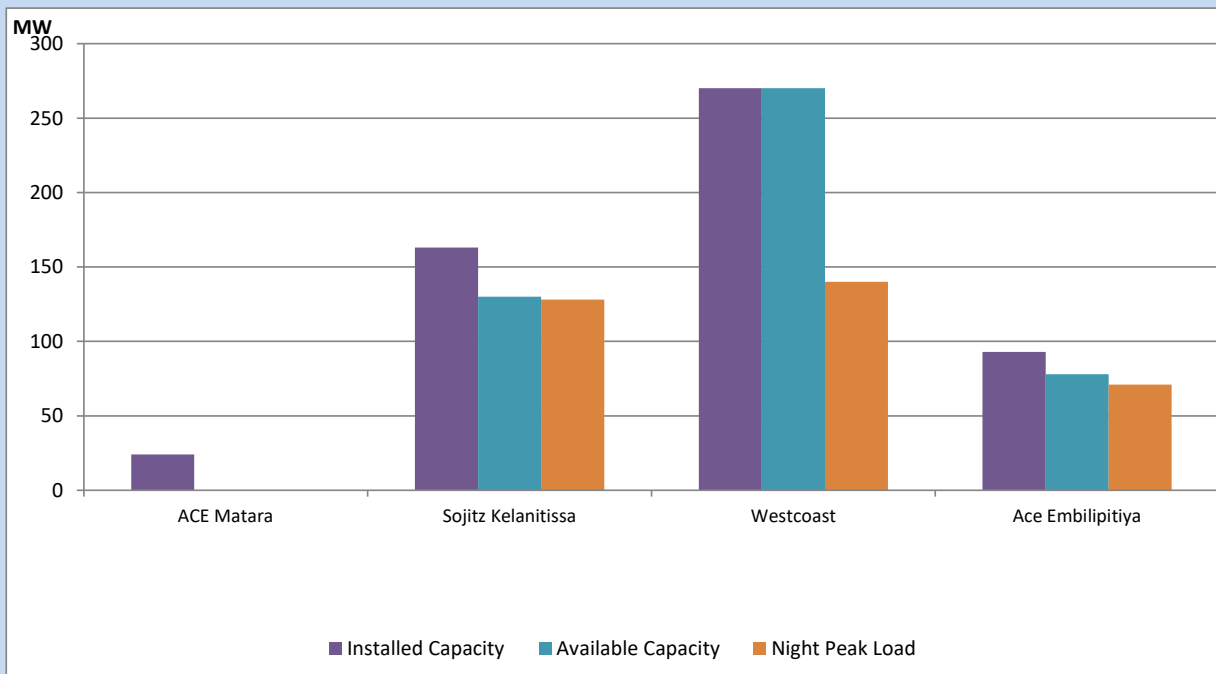
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 3, 2022

IPP owned Thermal Plant Loading at the Night Peak

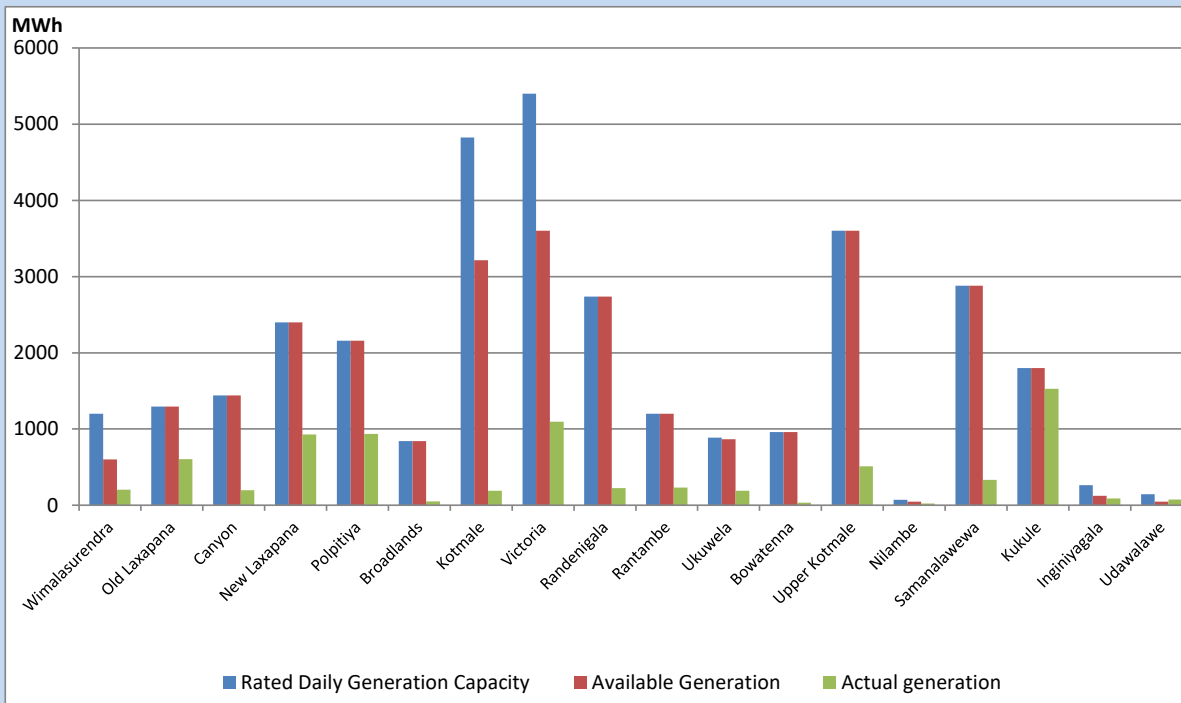


Note- Plant availability is recorded at 6.00 am on

May 3, 2022

Major Hydro Plant Dispatch

May 2, 2022

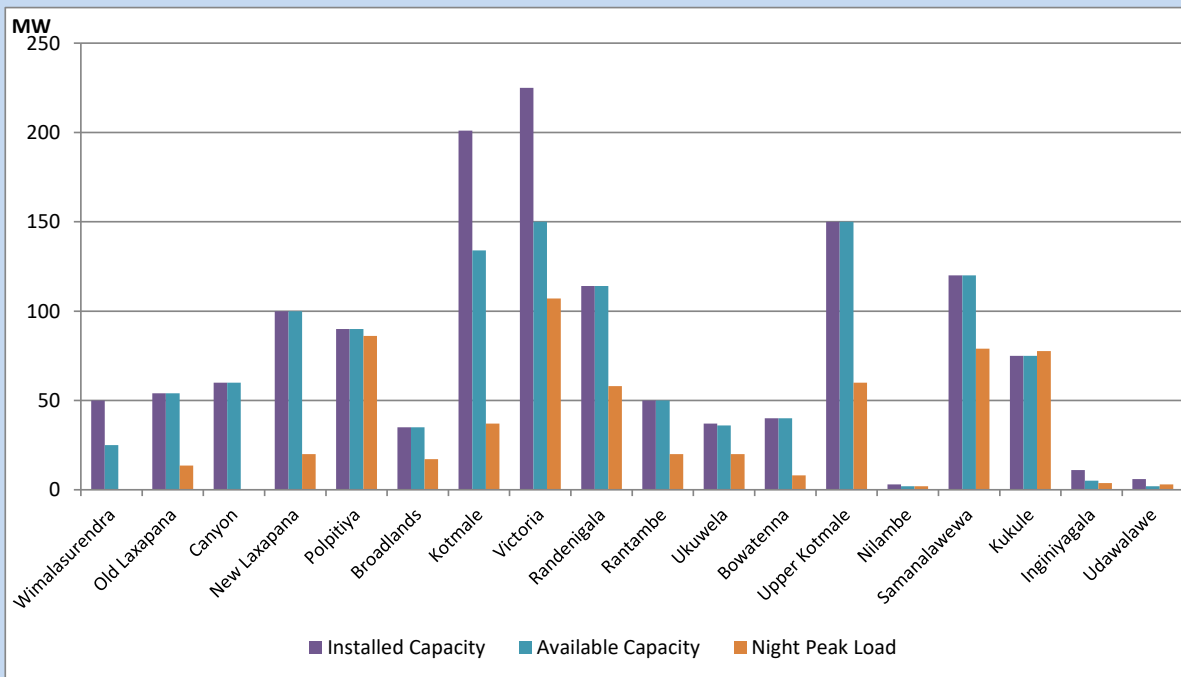


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

May 3, 2022

Major Hydro Plant Loading at Night Peak

May 2, 2022



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

May 3, 2022

Summary of Major Plant performance

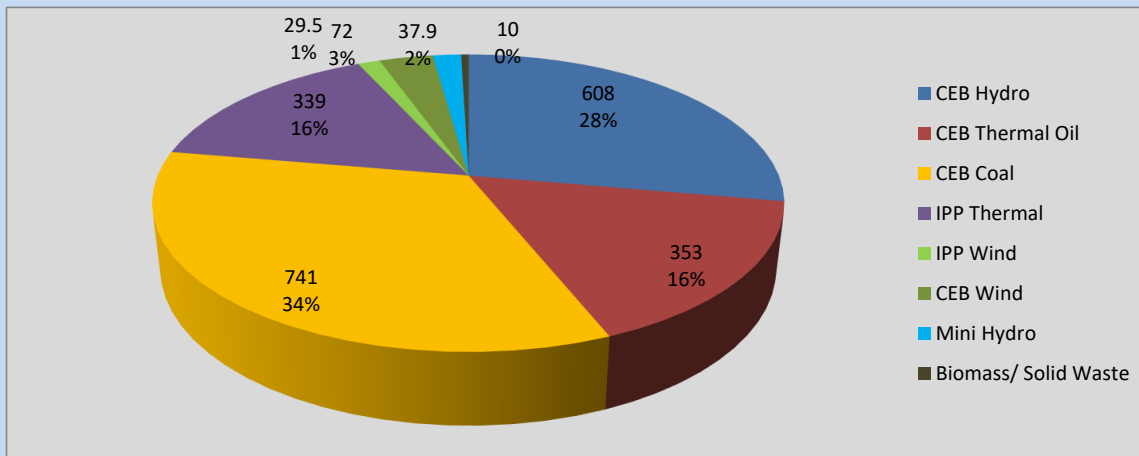
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	203
Old Laxapana	54	54	14	604
Canyon	60	60	0	198
New Laxapana	100	100	20	927
Polpitiya	90	90	86	934
Broadlands	35	35	17	50
Kotmale	201	134	37	190
Victoria	225	150	107	1,096
Randenigala	114	114	58	224
Rantambe	50	50	20	230
Ukuwela	37	36	20	190
Bowatenna	40	40	8	34
Upper Kotmale	150	150	60	509
Nilambe	3	2	2	23
Samanalawewa	120	120	79	332
Kukule	75	75	78	1,528
Inginiyagala	11	5	4	88
Udawalawe	6	2	3	73
Puttalam Coal I	270	270	199	4,611
Puttalam Coal II	270	270	271	6,488
Puttalam Coal III	270	270	271	6,432
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	147	3,517
Sapugaskanda A	70	48	48	1,049
Sapugaskanda B	70	63	63	1,259
Uthura Janani	26	24	23	467
Barge CEB	60	60	59	1,186
CEB-Thulhiriya	10	3	3	22
CEB-Kolonnawa	20	10	10	54
CEB-Mathugama	20	10	0	2
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	130	128	2,176
West Coast	270	270	140	716
ACE Embilipitiya	93	78	71	1,344
Total	3,397	3,031	2,195	40,331

Plant availability is the availability recorded at 6 am on

May 3, 2022

Contribution to the Night Peak in MW

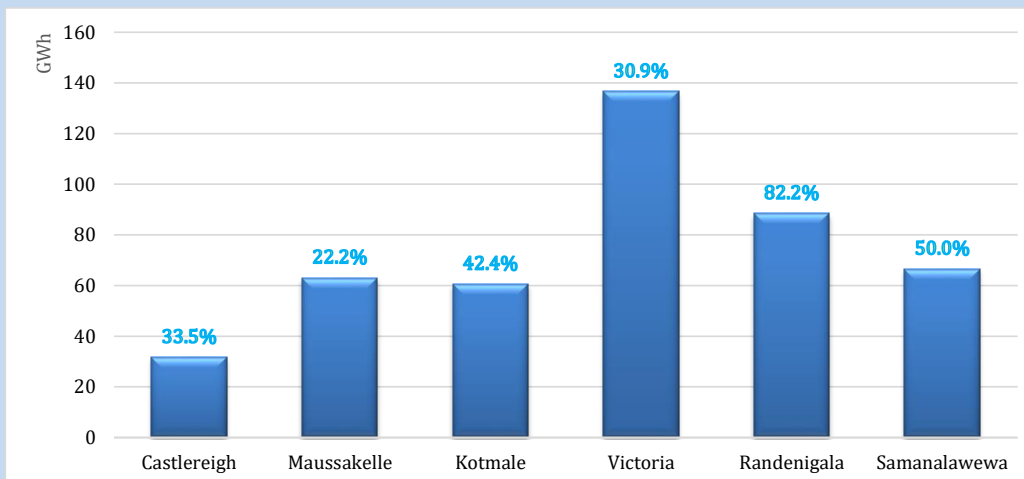
May 2, 2022



Night Peak*	2,190.7 MW
Day Peak	1,815.6 MW
Minimum Demand	1,228.7 MW

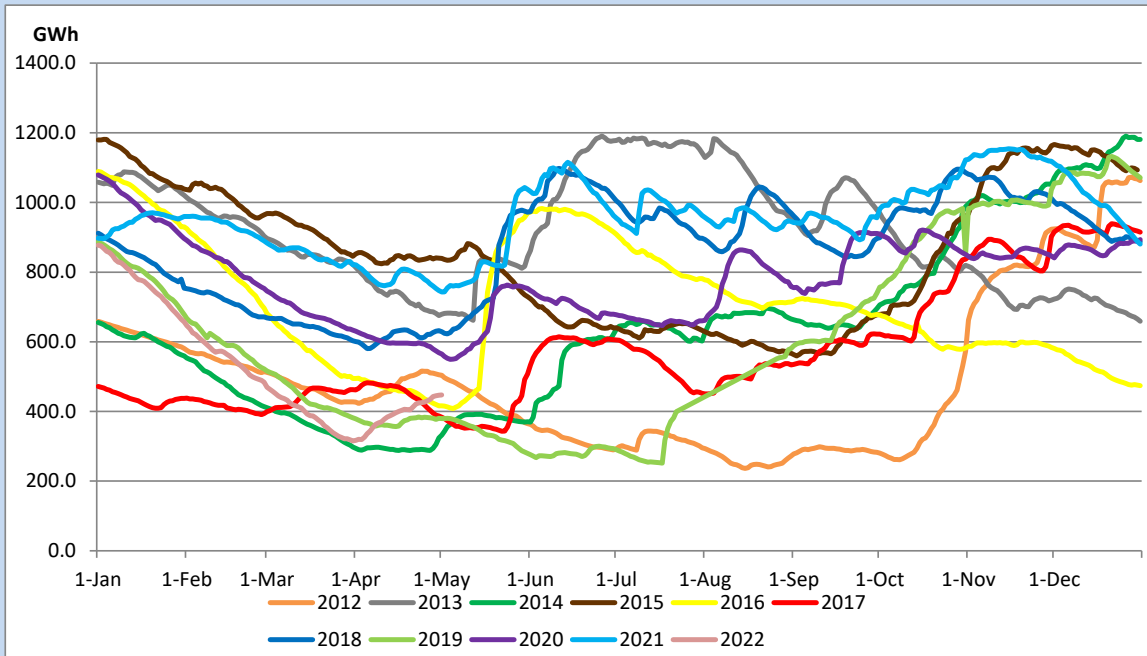
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Reservoir Levels - as at 06.00 Hr on May 3, 2022



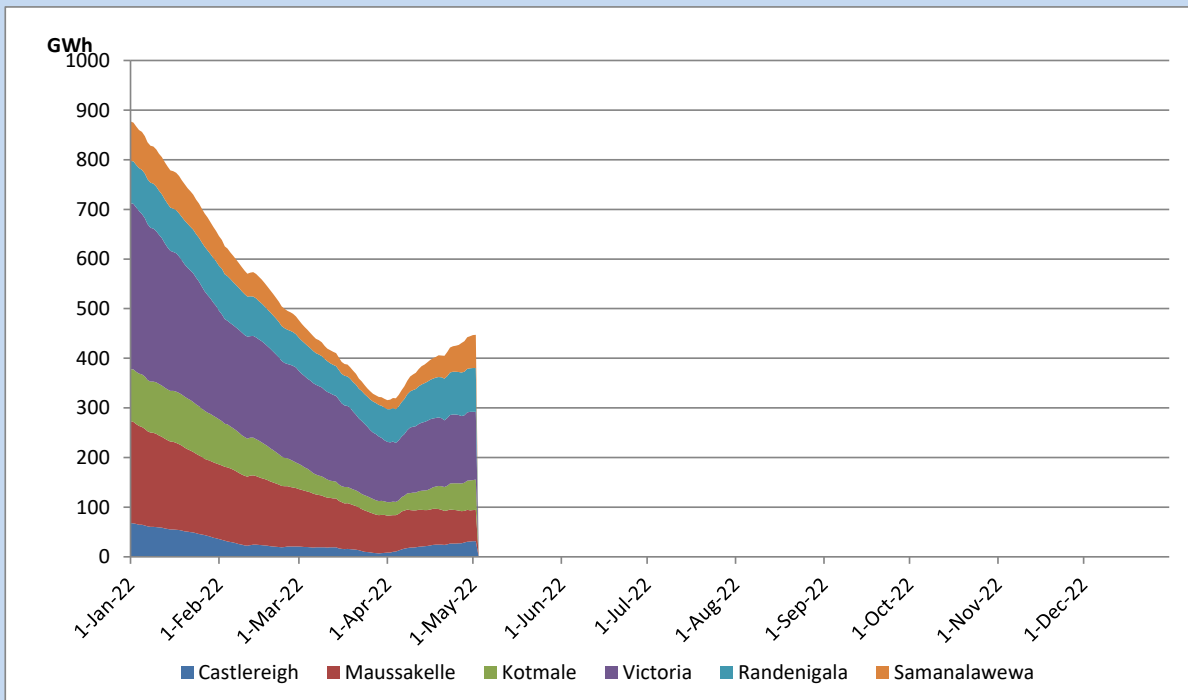
Total Reservoir Level	447.1 GWh
% of Total capacity	43.5%

Comparison of Total Reservoir Storage Levels with Past Years

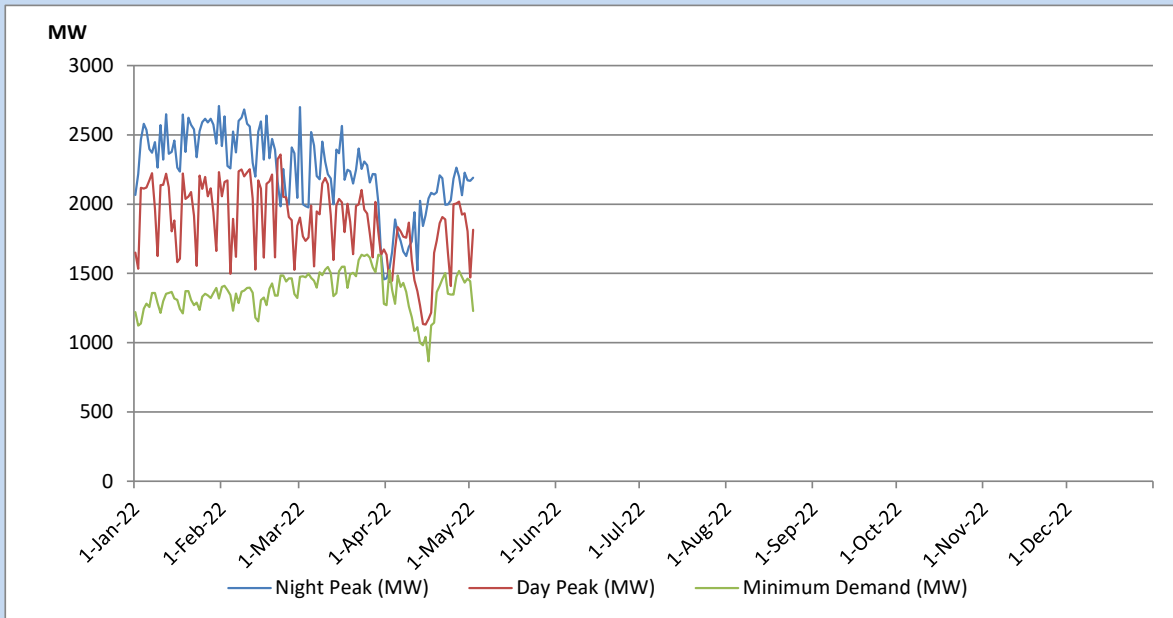


Data for 2018 and 2019 are only available for part of year.

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



Variation of Demand during the current year

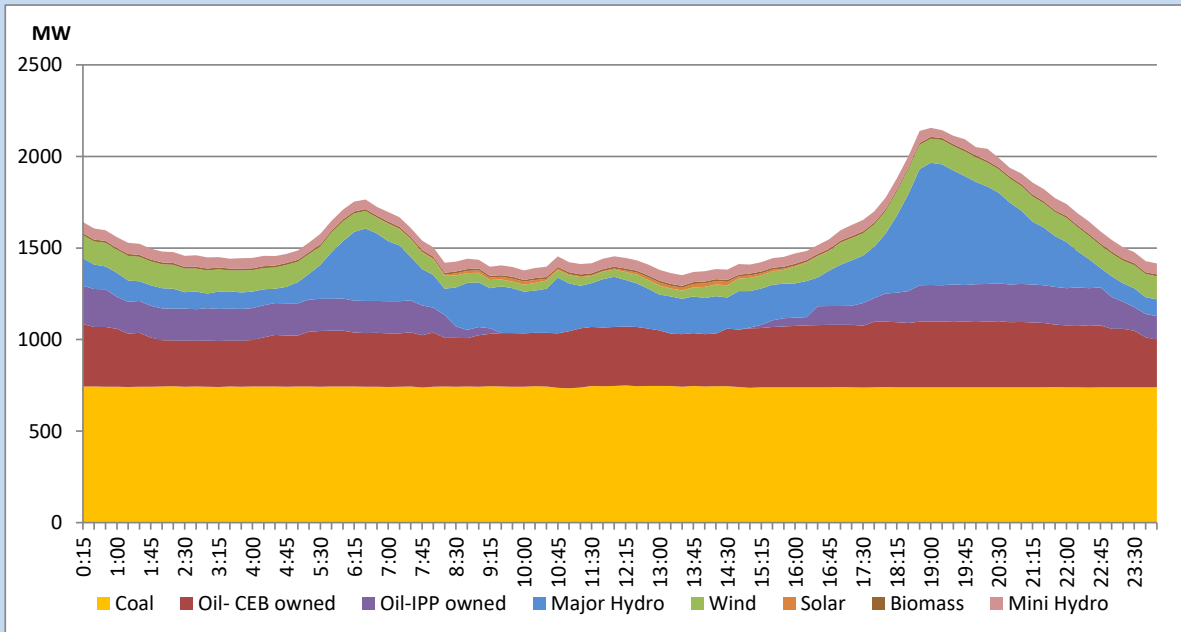


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

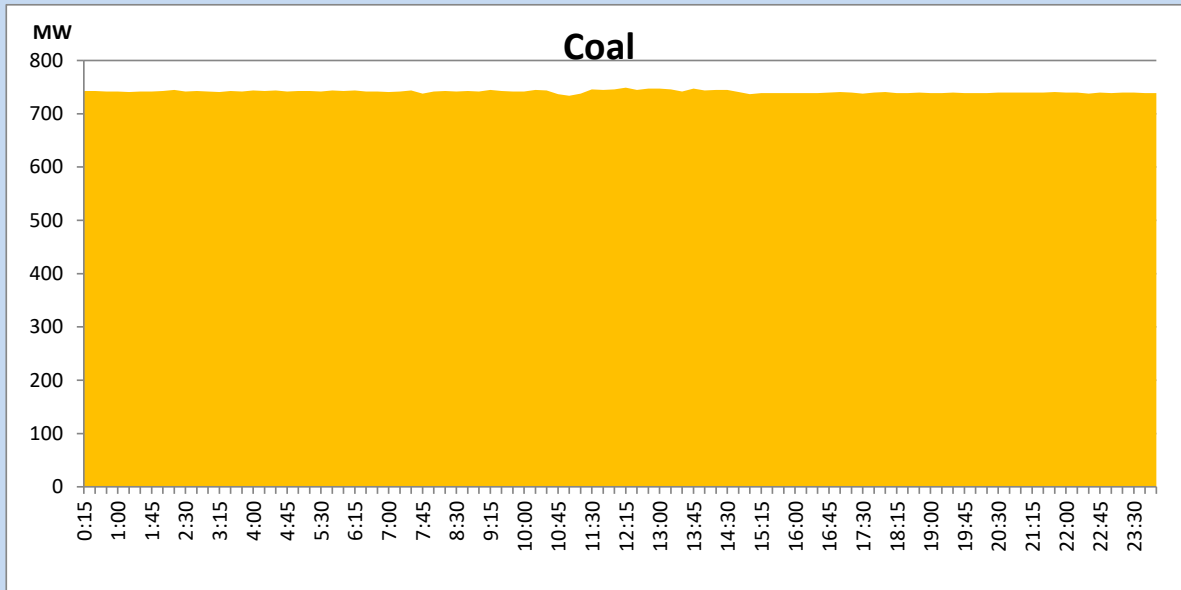
May 1, 2022

Solar and wind data is based on Telemetered Power Stations only



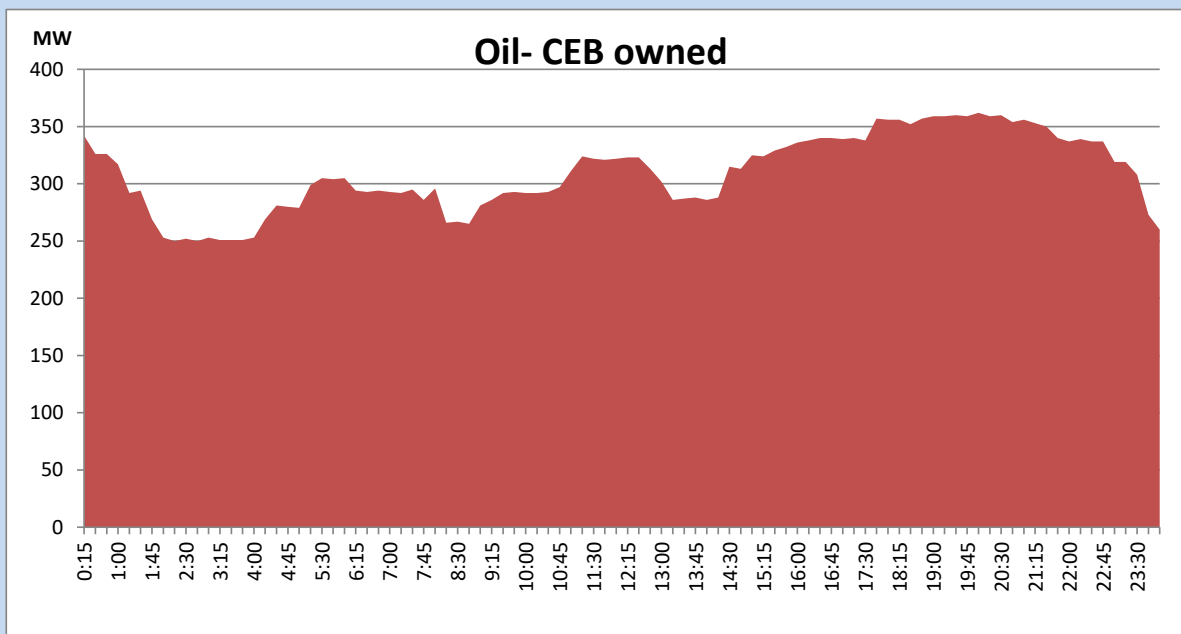
Coal Generation during the Previous day

May 1, 2022



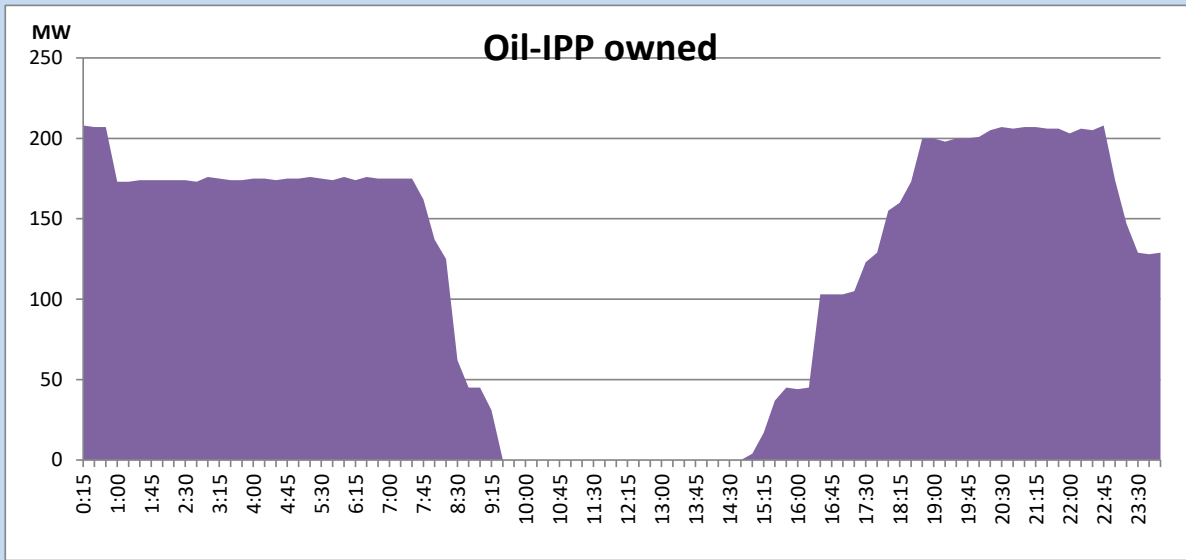
CEB Oil Plant Generation during the Previous day

May 1, 2022



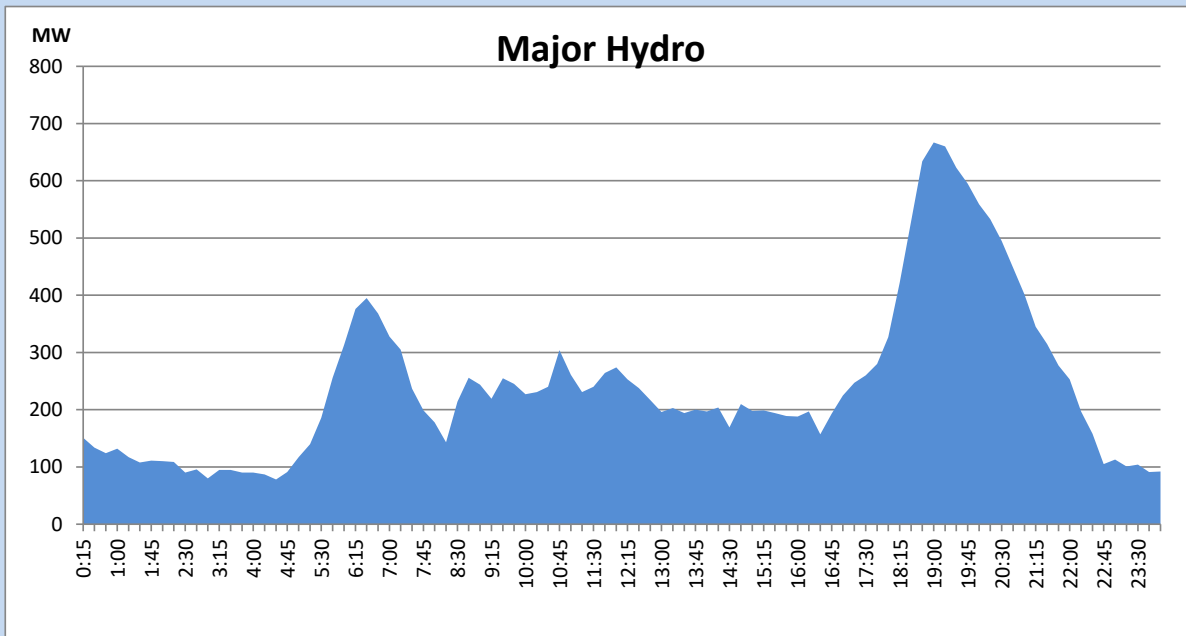
IPP Oil Plant Generation during the Previous day

May 1, 2022



Major Hydro Generation during the Previous day

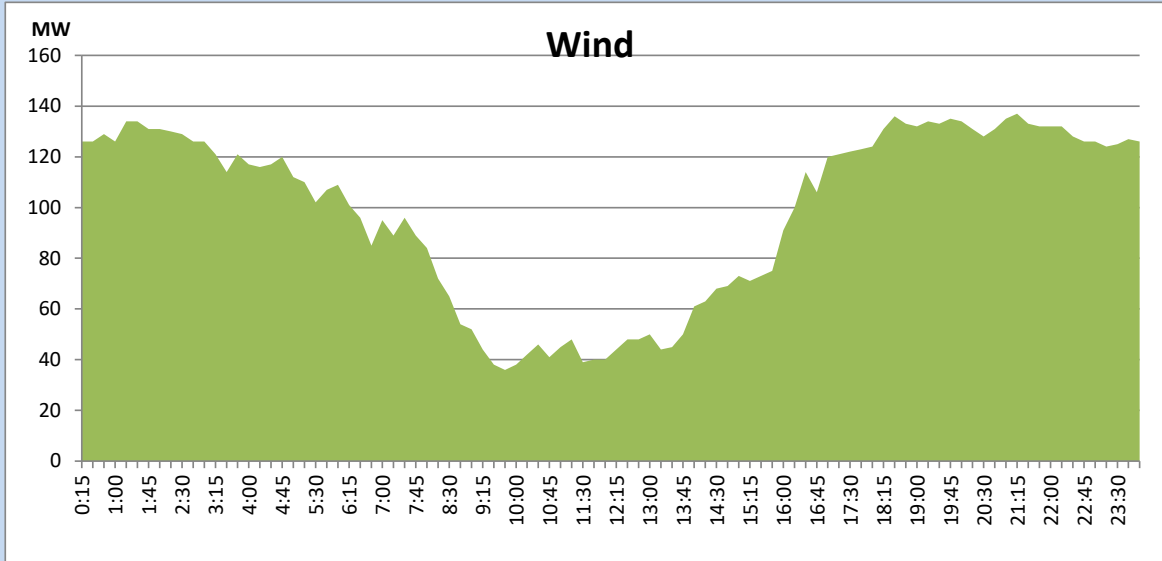
May 1, 2022



Wind Generation during the Previous day

May 1, 2022

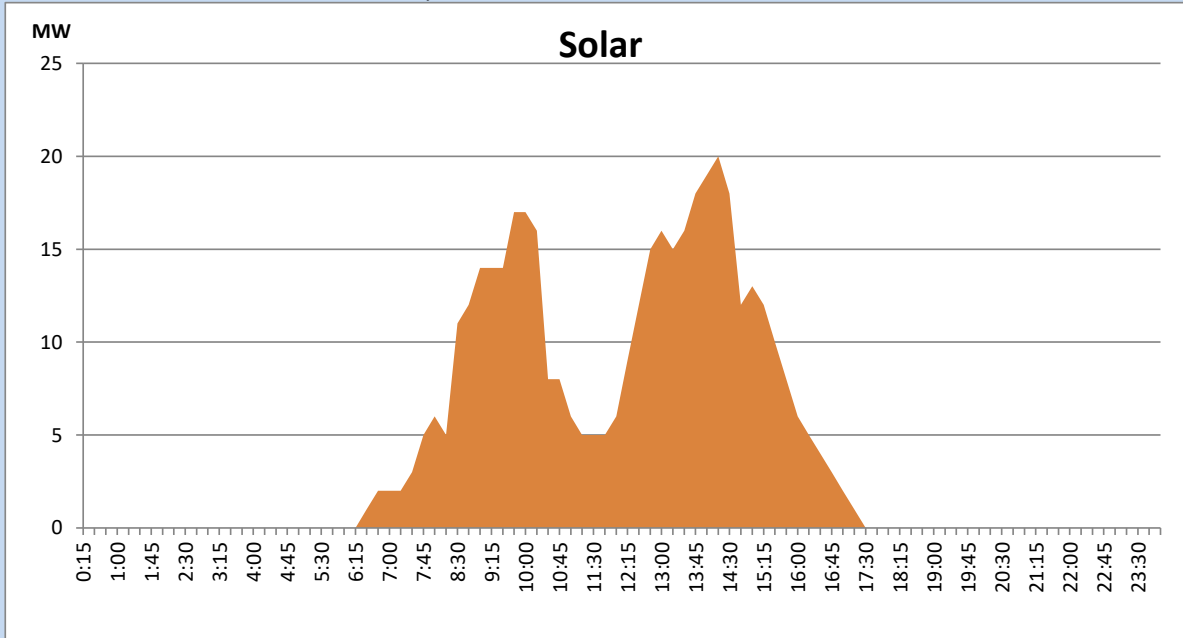
Based on Telemetered Power Stations only



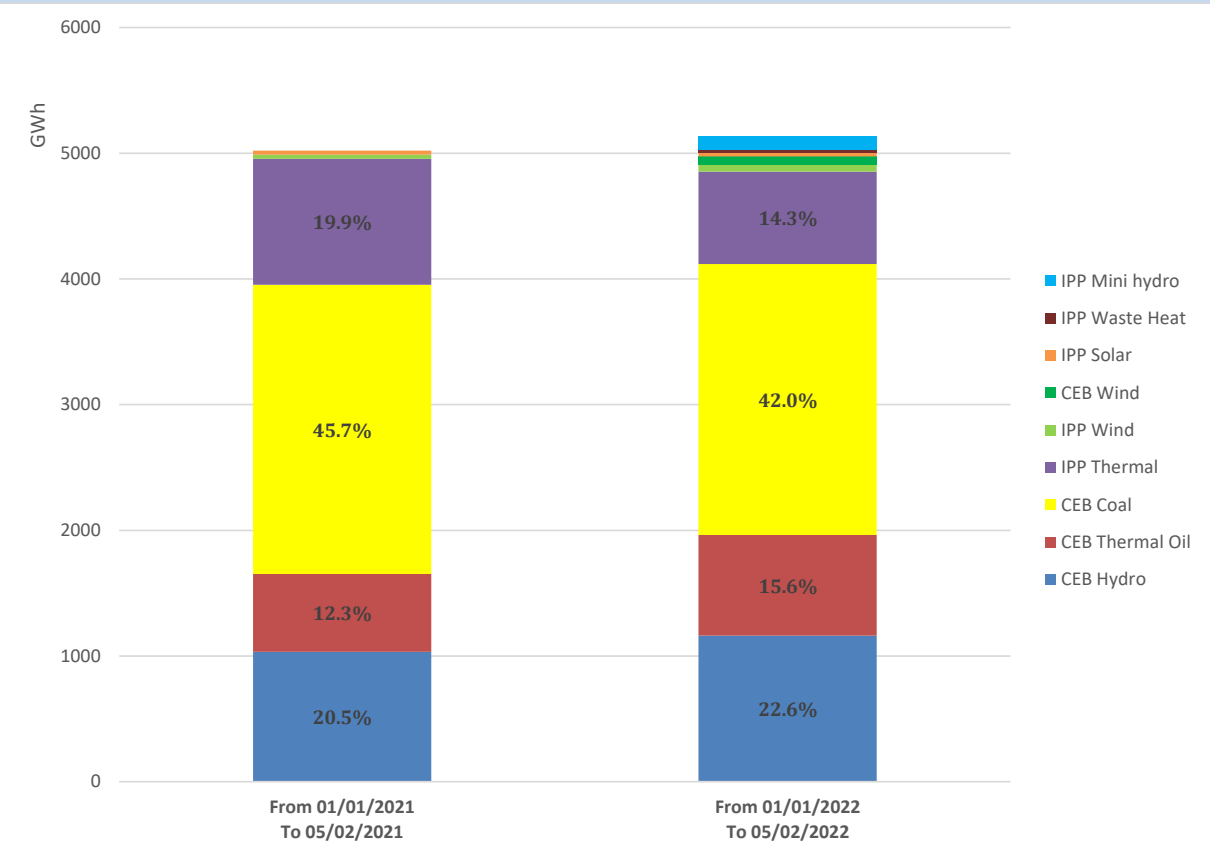
Solar Generation during the Previous day

May 1, 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 3, 2022

- 1) Rotational manual load shedding was carried out from 9:00 hrs to 21:00 hrs.
- 2) Pannipitiya-Sri Jayawardanapura-Kolonnawa cct tripped and auto-reclosed at 9:44 hrs due to the operation of distance protection.
- 3) Lakvijaya unit 01 reduced its generation to 120 MW at 21:50 hrs due to an ID fan trouble. The unit made forced shutdown at 00:24 hrs on 03/05/2022 and is yet to resume generation.
- 4) Panadura 132/33kV T/F 01 and 33kV B/S CB tripped at 3:12 hrs on 03/05/2022 with the O/C indication due to an isolator fault in the 33kV side of the T/F causing 33kV feeders 01 ,02, 03 & 09 to be dead. The 33kV B/S and all affected feeders were normalized by 4:47 hrs and the T/F is yet to normalize.