

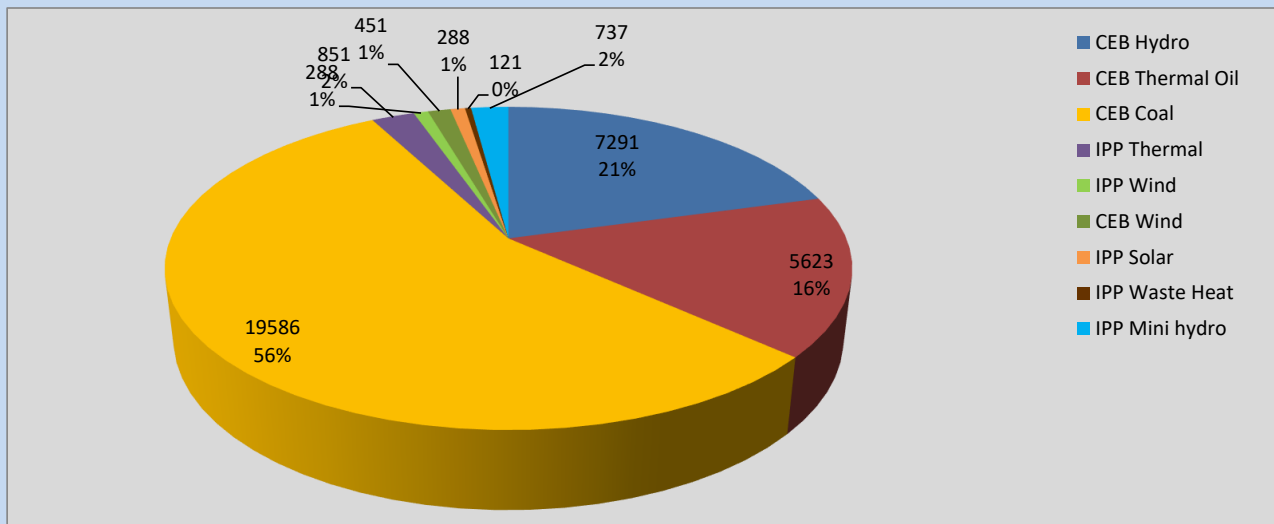
Generation and Reservoirs Statistics

March 31, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation **35,254 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

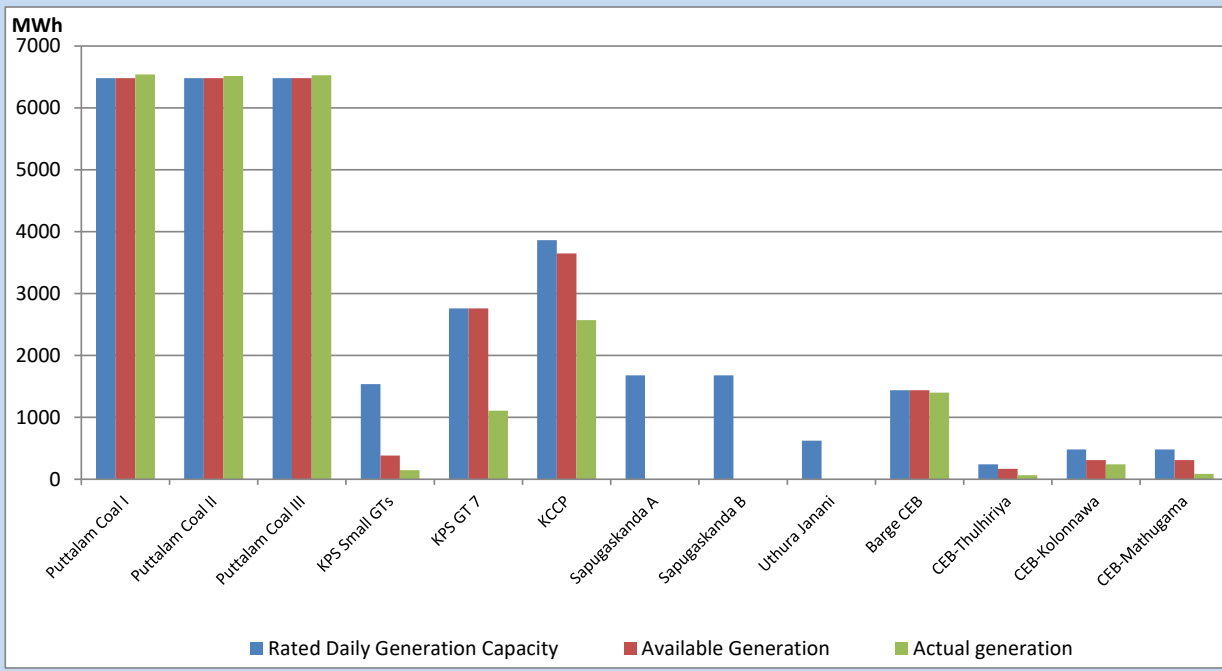
Category	Dispatch (GWh)	Percentage
CEB Hydro	252.09	18.61%
CEB Thermal Oil	228.95	16.90%
CEB Coal	606.92	44.80%
IPP Thermal	201.49	14.87%
SPP Wind	14.27	1.05%
CEB Wind	19.51	1.44%
SPP Solar	8.32	0.61%
SPP Solid Waste	6.62	0.49%
Mini Hydro	16.70	1.23%
Total	1,354.87	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	929.9	23.73%
CEB Thermal Oil	641.2	16.36%
CEB Coal	1,550.5	39.57%
IPP Thermal	592.9	15.13%
SPP Wind	42.4	1.08%
CEB Wind	53.8	1.37%
SPP Solar	23.6	0.60%
SPP Solid Waste	17.7	0.45%
Mini Hydro	66.4	1.69%
Total	3,918.1	

CEB owned Thermal Plant Dispatch

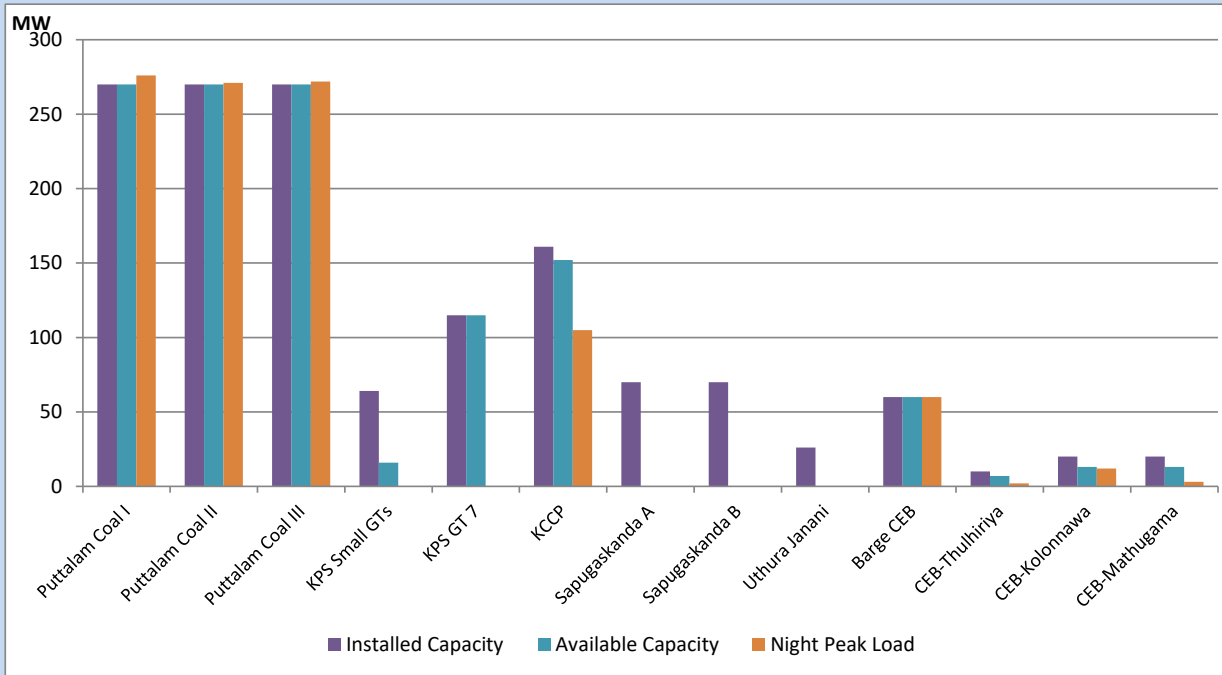
March 31, 2022



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

April 1, 2022

CEB owned Thermal Plant Loading at the Night Peak



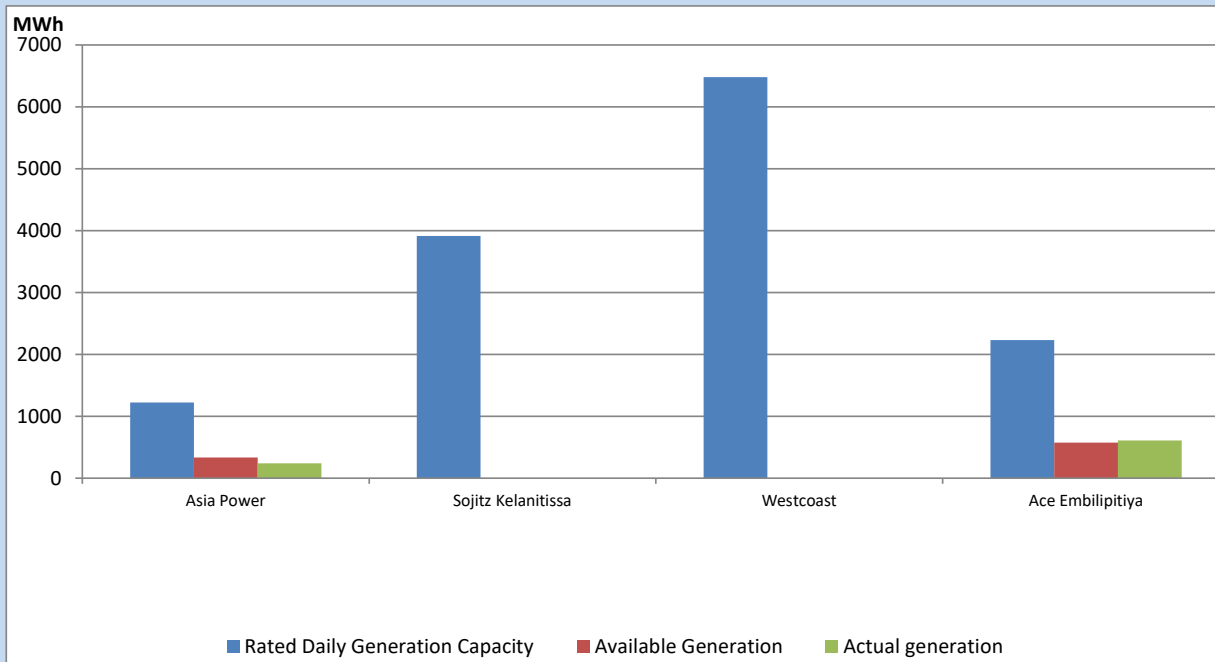
Note- Plant availability is recorded at 6.00 am on

April 1, 2022

IPP owned Thermal Plant Dispatch

March 31, 2022

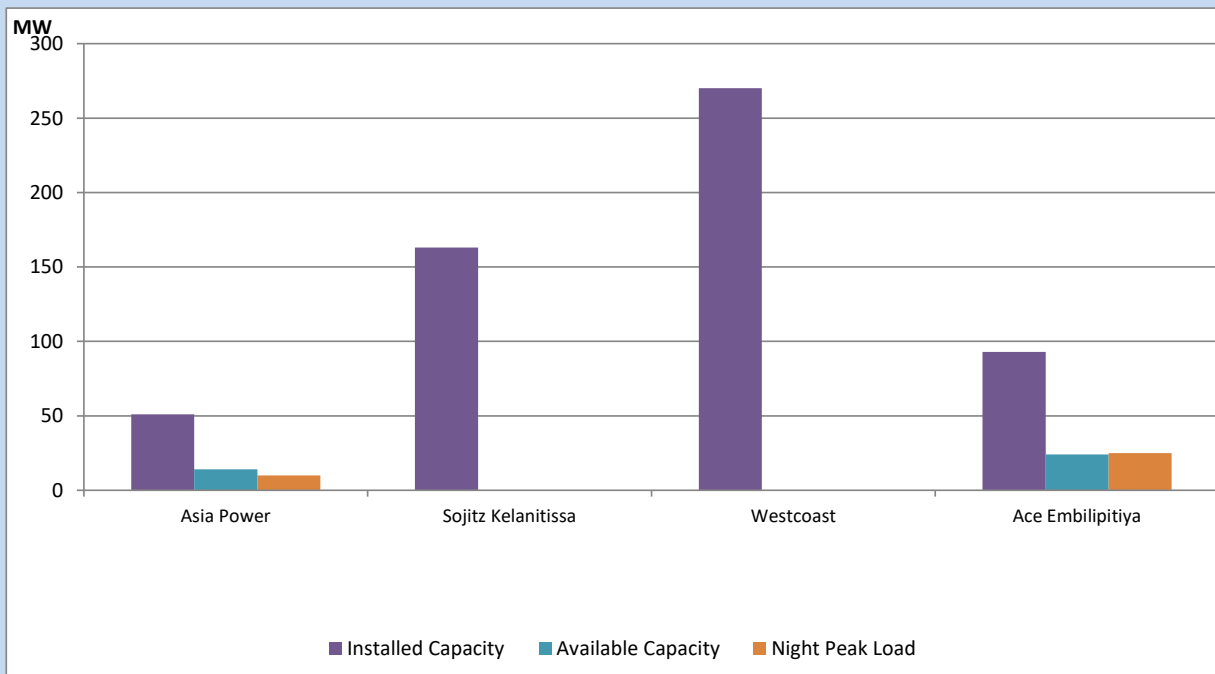
ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

April 1, 2022

IPP owned Thermal Plant Loading at the Night Peak

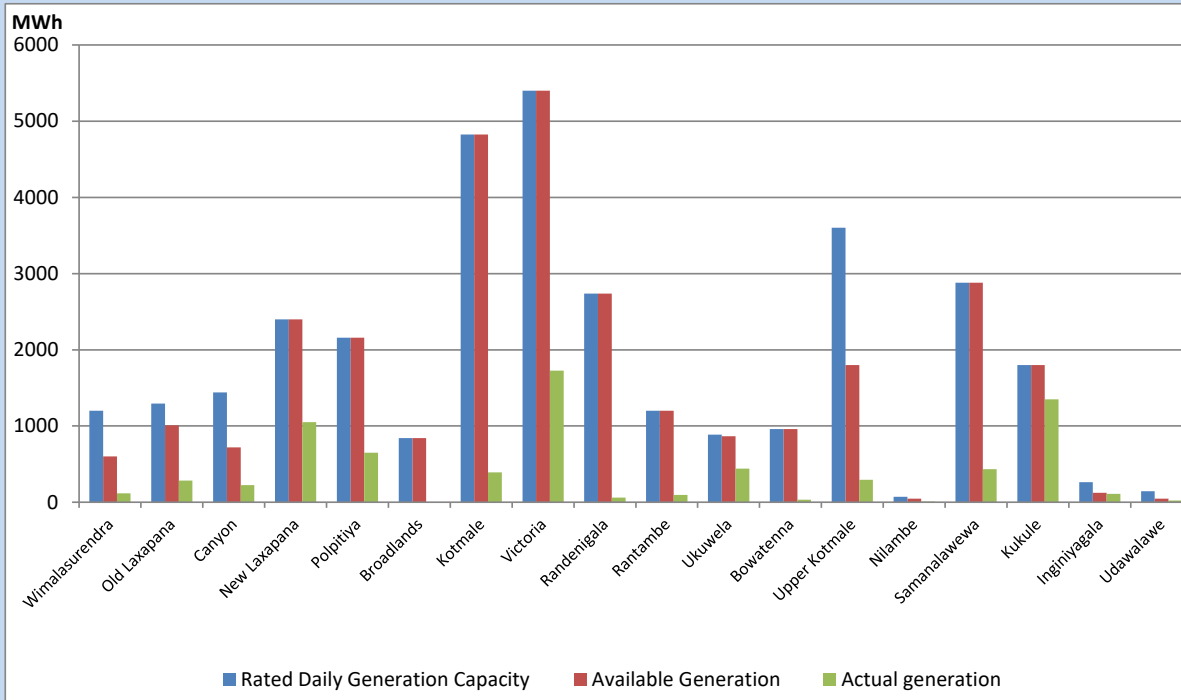


Note- Plant availability is recorded at 6.00 am on

April 1, 2022

Major Hydro Plant Dispatch

March 31, 2022

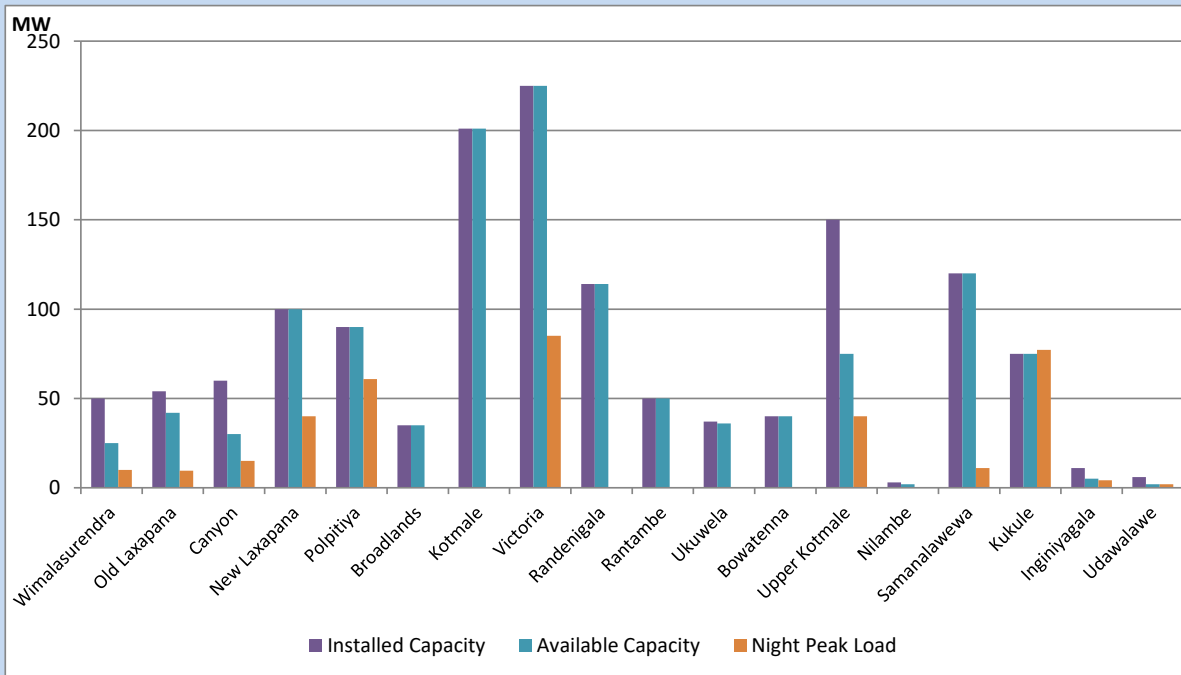


Available Generation is estimated based on plant availability at 6.00am on April 1, 2022
 Broadlands power plant is operating in the Commissioning Stage

April 1, 2022

Major Hydro Plant Loading at Night Peak

March 31, 2022



Note- Plant availability is recorded at 6.00 am on April 1, 2022
 Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

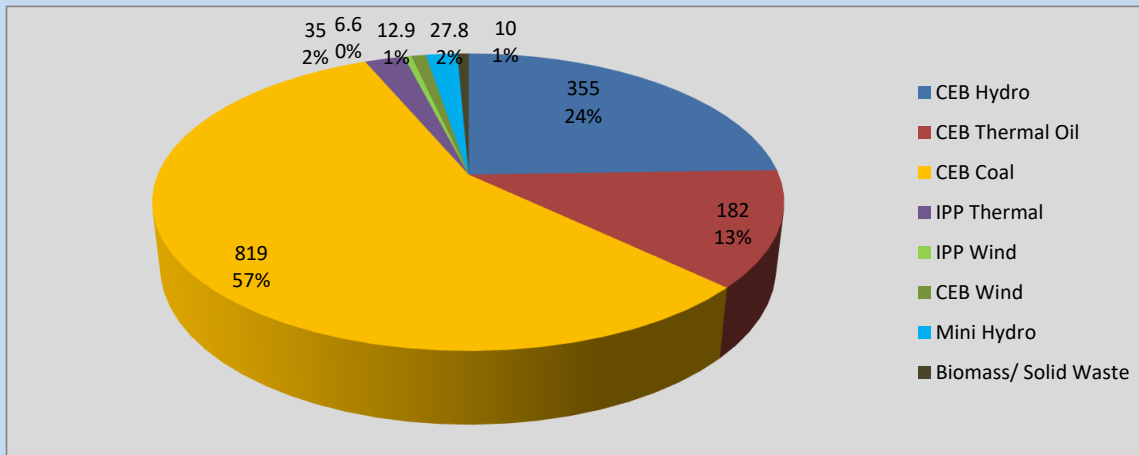
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	117
Old Laxapana	54	42	10	283
Canyon	60	30	15	225
New Laxapana	100	100	40	1,050
Polpitiya	90	90	61	651
Broadlands	35	35	0	0
Kotmale	201	201	0	390
Victoria	225	225	85	1,728
Randenigala	114	114	0	61
Rantambe	50	50	0	97
Ukuwela	37	36	0	439
Bowatenna	40	40	0	31
Upper Kotmale	150	75	40	295
Nilambe	3	2	0	8
Samanalawewa	120	120	11	433
Kukule	75	75	77	1,350
Inginiyagala	11	5	4	111
Udawalawe	6	2	2	22
Puttalam Coal I	270	270	276	6,540
Puttalam Coal II	270	270	271	6,516
Puttalam Coal III	270	270	272	6,530
KPS Small GTs	64	16	0	148
KPS GT 7	115	115	0	1,107
KCCP	161	152	105	2,571
Sapugaskanda A	70	0	0	0
Sapugaskanda B	70	0	0	0
Uthura Janani	26	0	0	0
Barge CEB	60	60	60	1,400
CEB-Thulhiriya	10	7	2	66
CEB-Kolonnawa	20	13	12	243
CEB-Mathugama	20	13	3	88
Asia Power	51	14	10	242
Sojitz Kelanitissa	163	0	0	0
West Coast	270	0	0	0
ACE Embilipitiya	93	24	25	609
Total	3,424	2,491	1,457	35,254

Plant availability is the availability recorded at 6 am on

April 1, 2022

Contribution to the Night Peak in MW

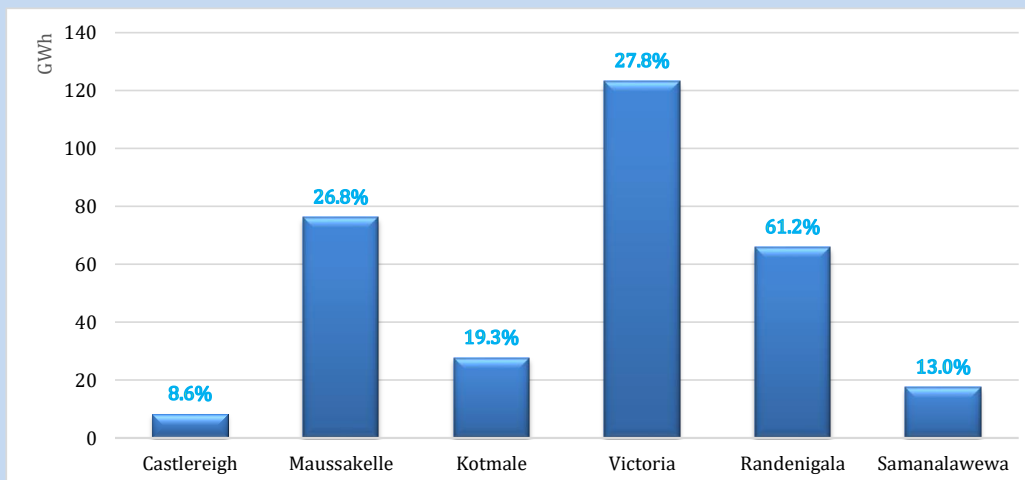
March 31, 2022



Night Peak*	1,456.8 MW
Day Peak	1,673.0 MW
Minimum Demand	1,279.8 MW

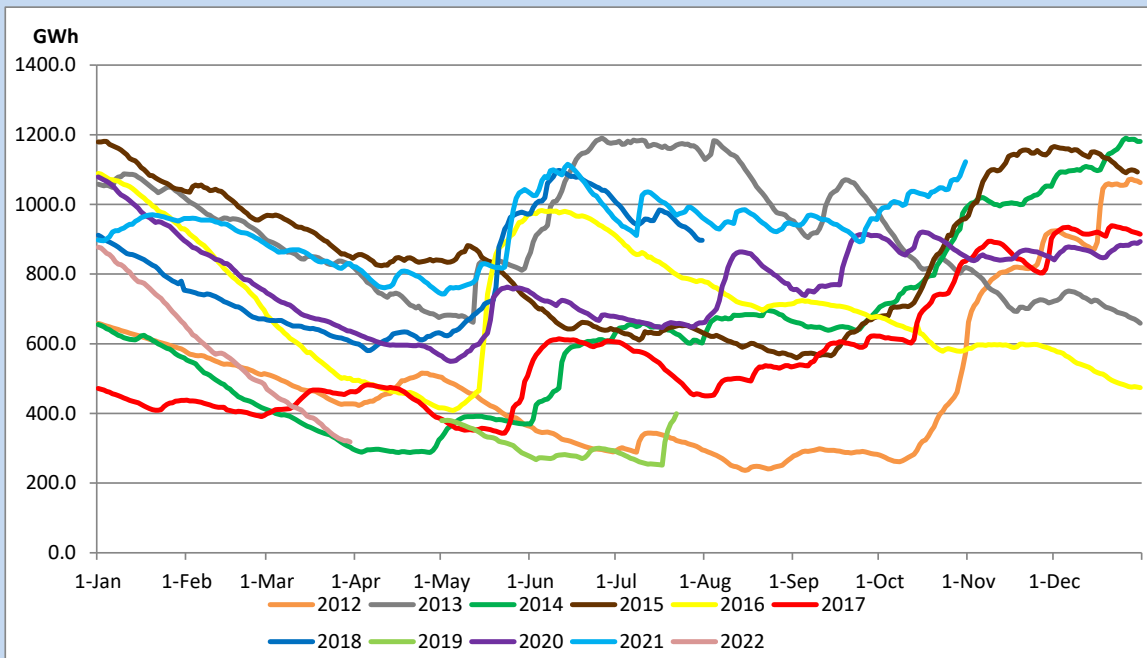
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Reservoir Levels - as at 06.00 Hr on April 1, 2022



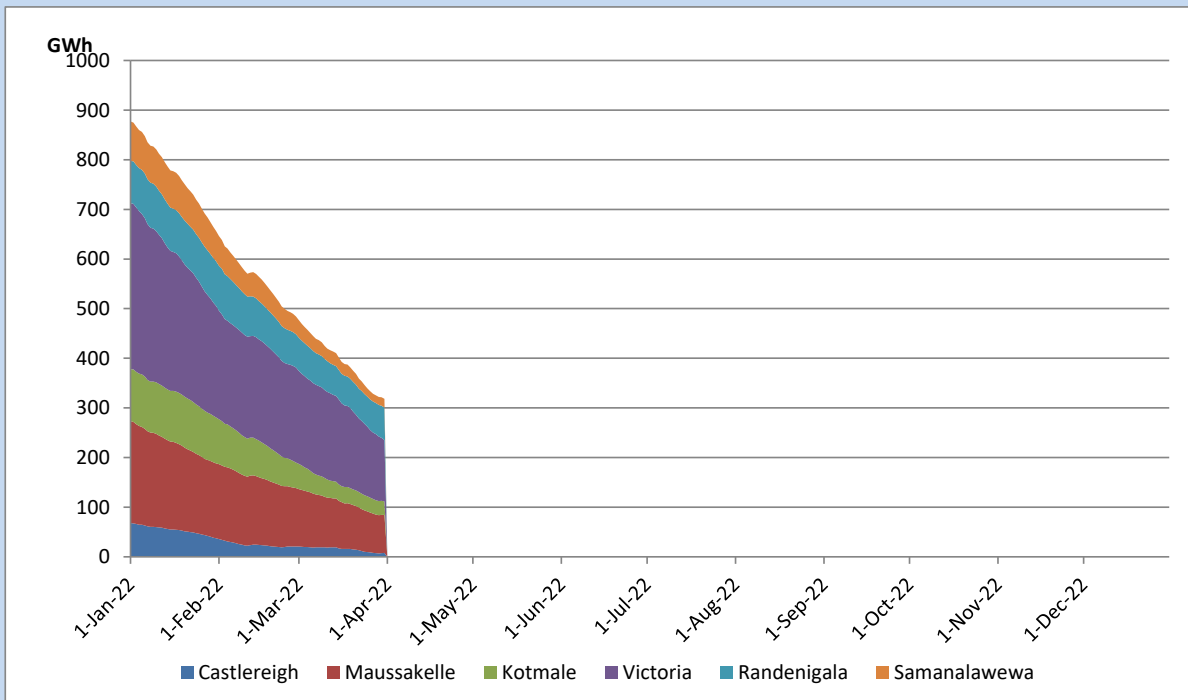
Total Reservoir Level	318.3 GWh
% of Total capacity	26.1%

Comparison of Total Reservoir Storage Levels with Past Years

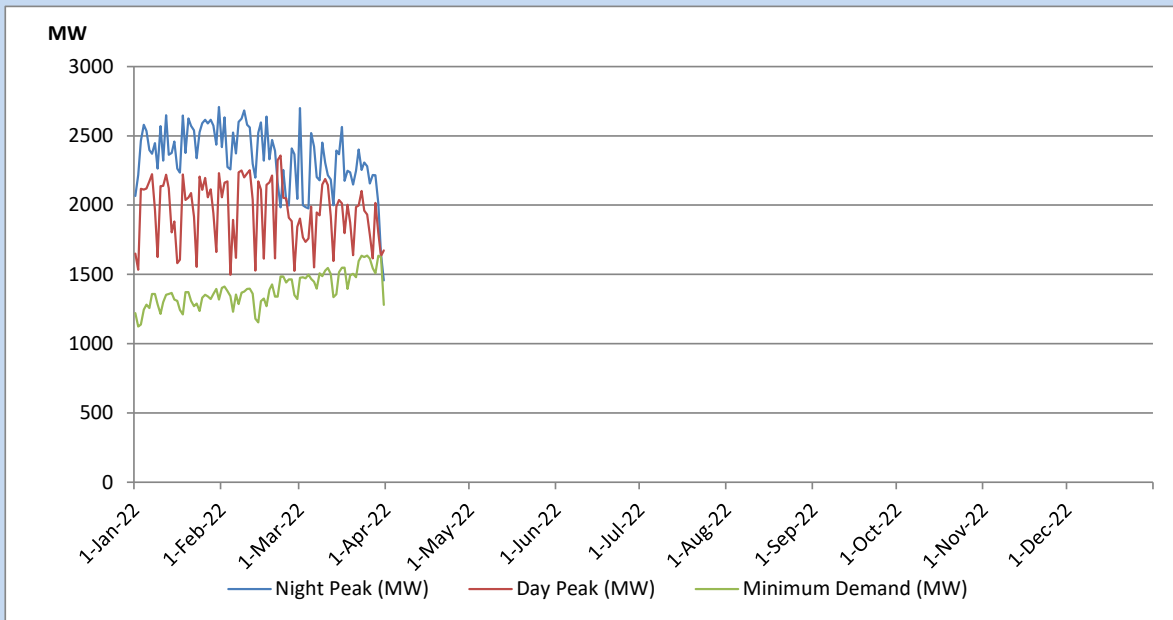


Data for 2018 and 2019 are only available for part of year.

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



Variation of Demand during the current year

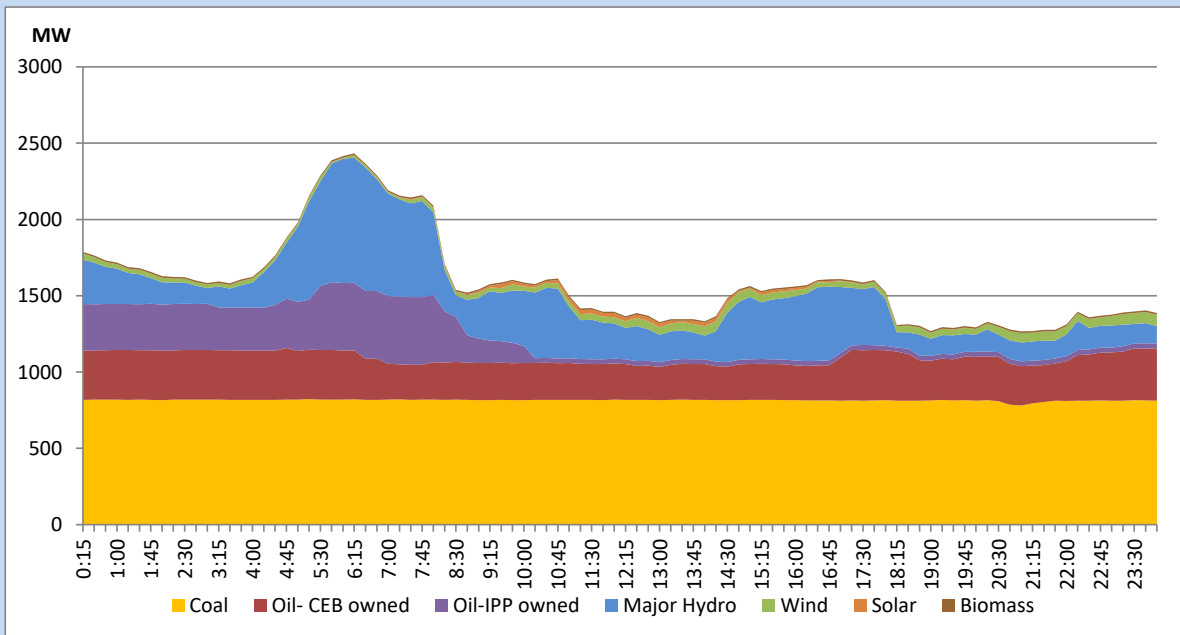


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

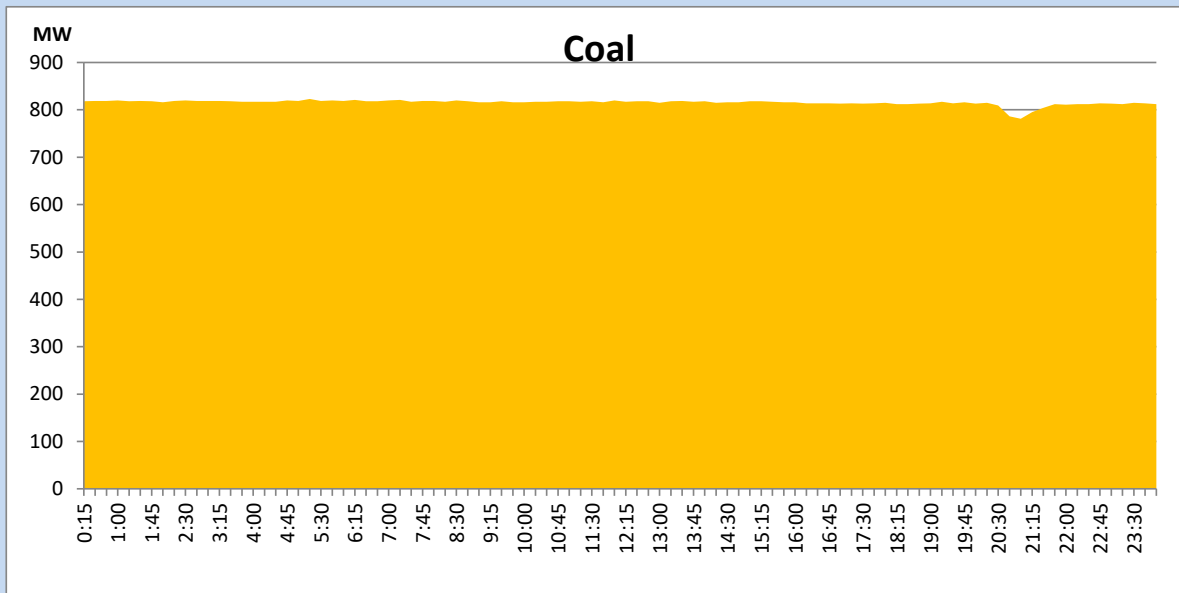
March 30, 2022

Solar and wind data is based on Telemetered Power Stations only



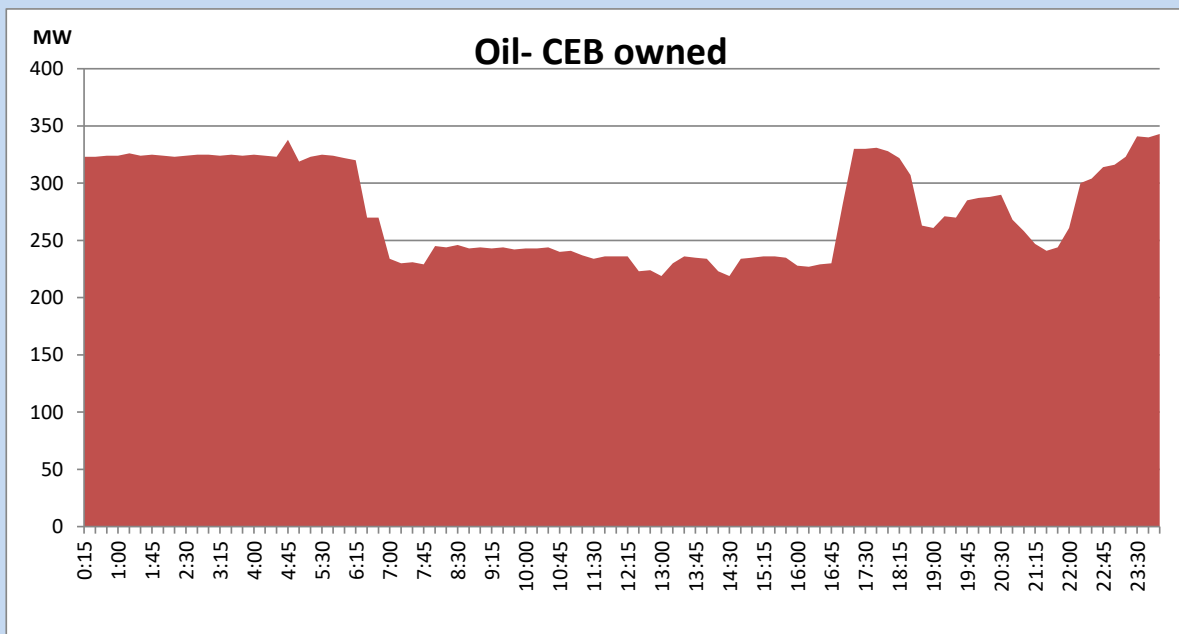
Coal Generation during the Previous day

March 30, 2022



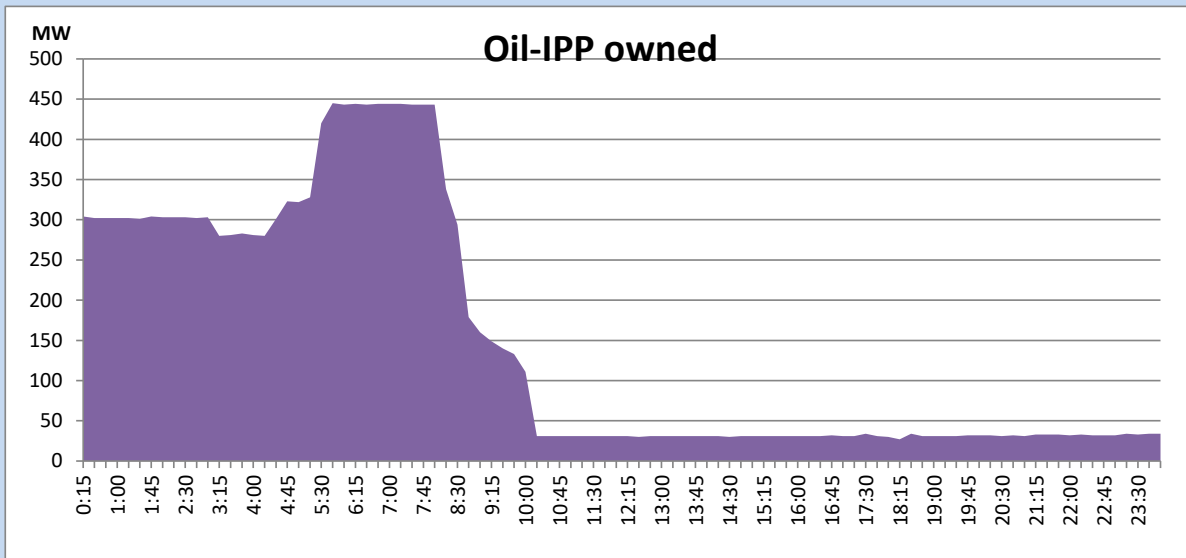
CEB Oil Plant Generation during the Previous day

March 30, 2022



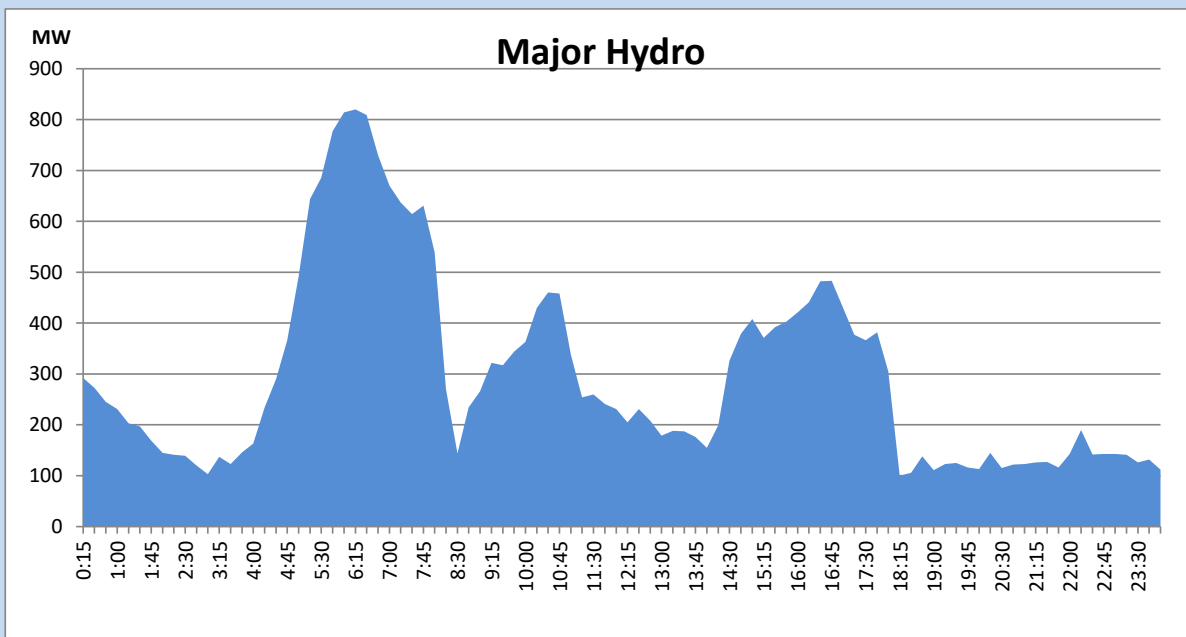
IPP Oil Plant Generation during the Previous day

March 30, 2022



Major Hydro Generation during the Previous day

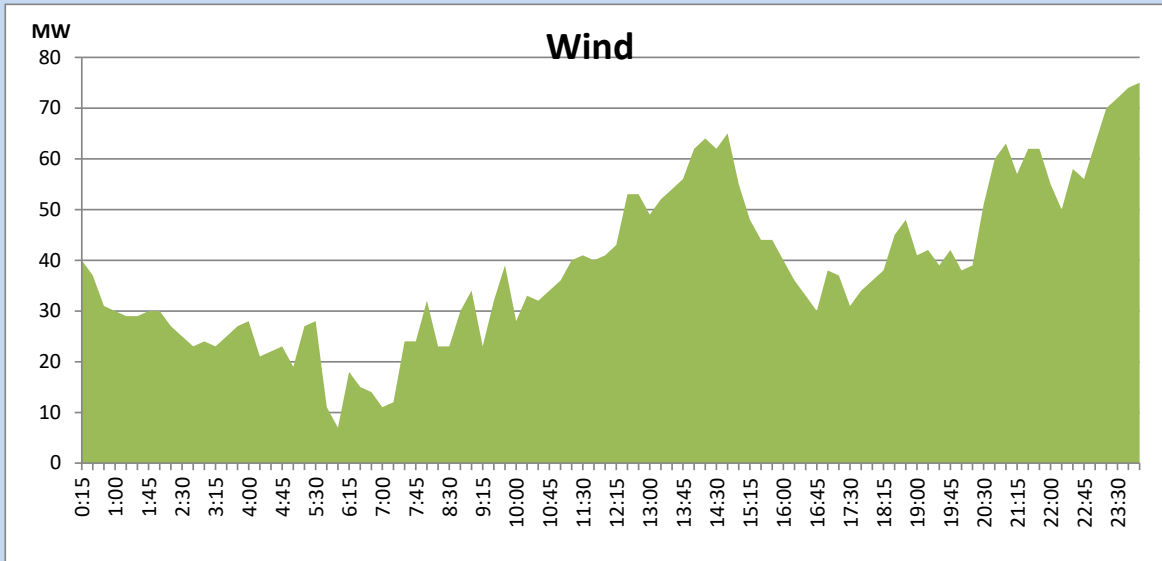
March 30, 2022



Wind Generation during the Previous day

March 30, 2022

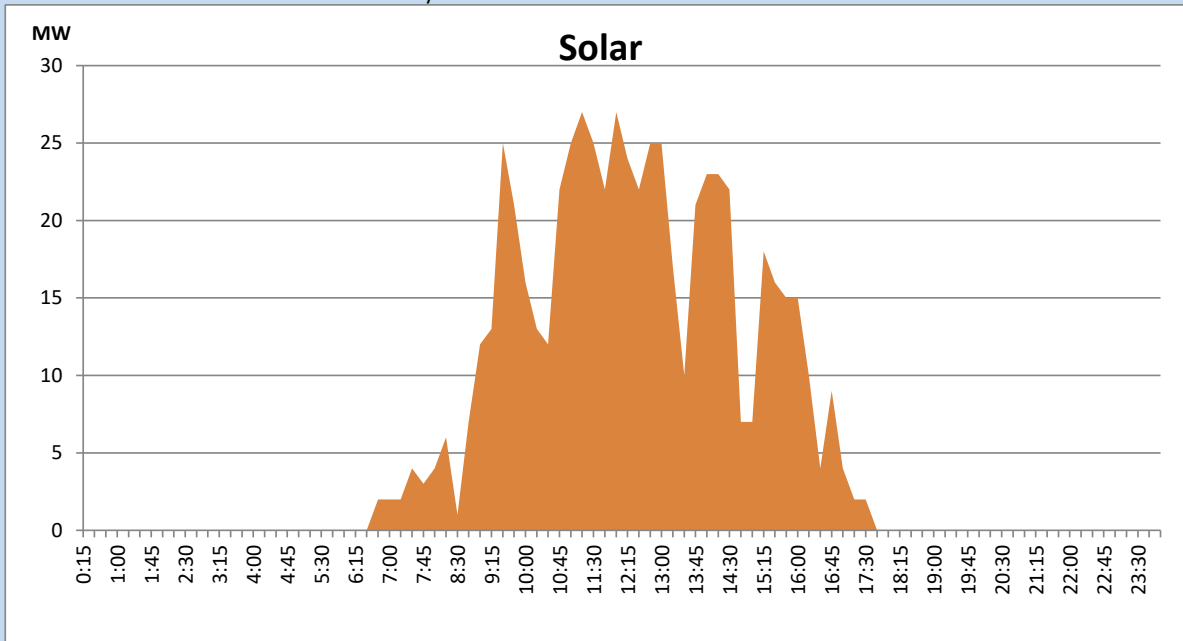
Based on Telemetered Power Stations only



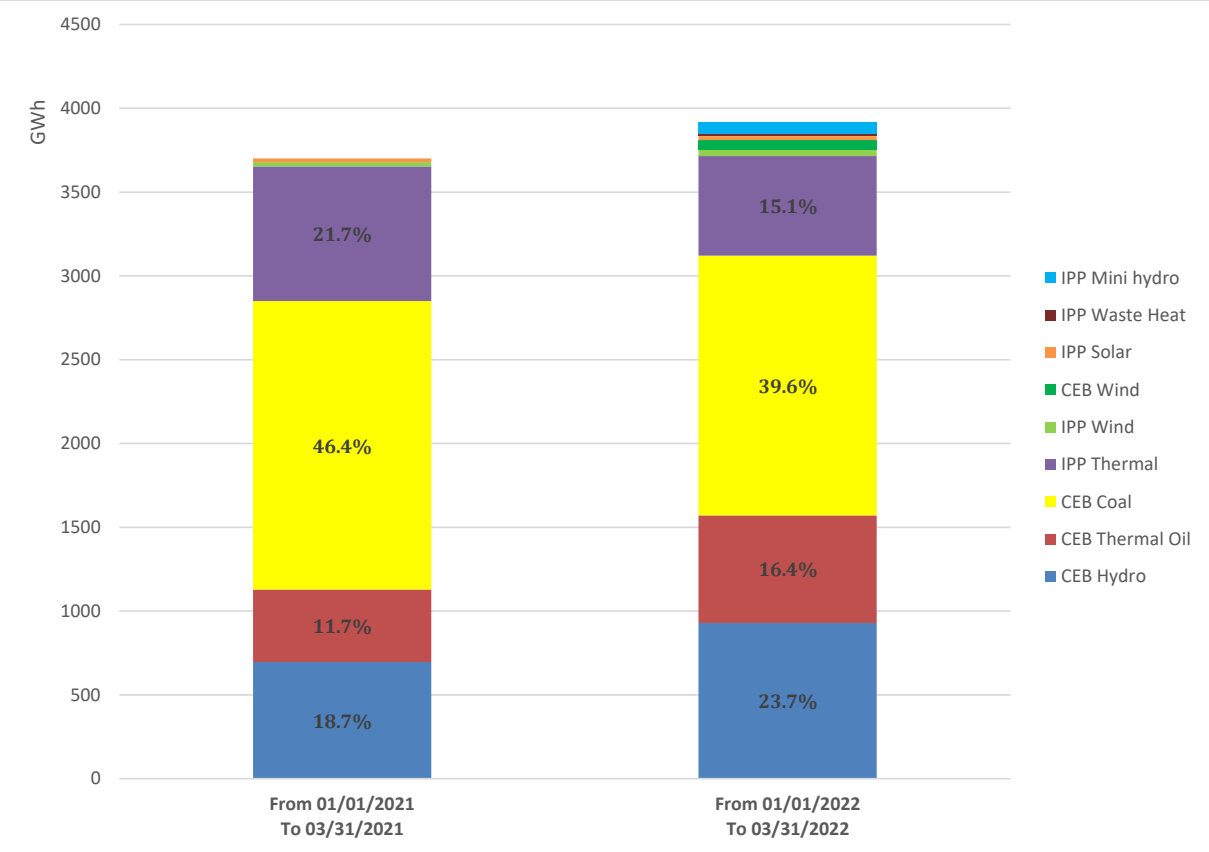
Solar Generation during the Previous day

March 30, 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 & 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

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

April 1, 2022

- 1) Rotational manual load shedding was carried out from 00:00hrs to 24:00hrs.
- 2) Kukule- Matugama cct 01 tripped at 15:07hrs from both ends due to the operation of distance protection. Cct restored at 15:12hrs.
- 3) New Polp - Thul -Athu cct tripped at 17:16hrs from Athu and New Polp ends due to the operation of distance protection. At the same time Polp-Thul -Athu cct tripped from Athu end , tripped and A/R from Polp end. Polp-New Polp cct also tripped from both ends due to operation of direction E/F causing New Polp GSS and Padukka GSS to be dead. All affected GSSs and Ccts were restored by 17:42 hrs.
- 4) KCCP performed a forced shutdown at 17:25hrs due to lack of fuel. KCCP resumed generation at 05:28 hrs on 01/04/2022.
- 5) Canyon unit 02 made available at 15:33hrs after completion of tunnel outage.

Malith Premathunga

System Control Engineer

- (1) - Excluding energy contribution from Roof Top Solar, 1MW solar, certain Mini Hydro plants and Biomass plants
- (2) - Excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants
- (3) - Including data from 26 number of telemetered mini hydro plants (MHP) having total Installed Capacity of 129MW.
- (4) - Randenigala MOL has been revised to 209 masl from 199.5 masl and Samanalawewa Spill level has been revised to 455 masl from 460 masl with effect from 01 st Feb. 2018 considering reservoir operation restrictions.
- (5)- Percentage of the total capacity of Vict and Koth storage is calculated by considering downstream reservoir storage