

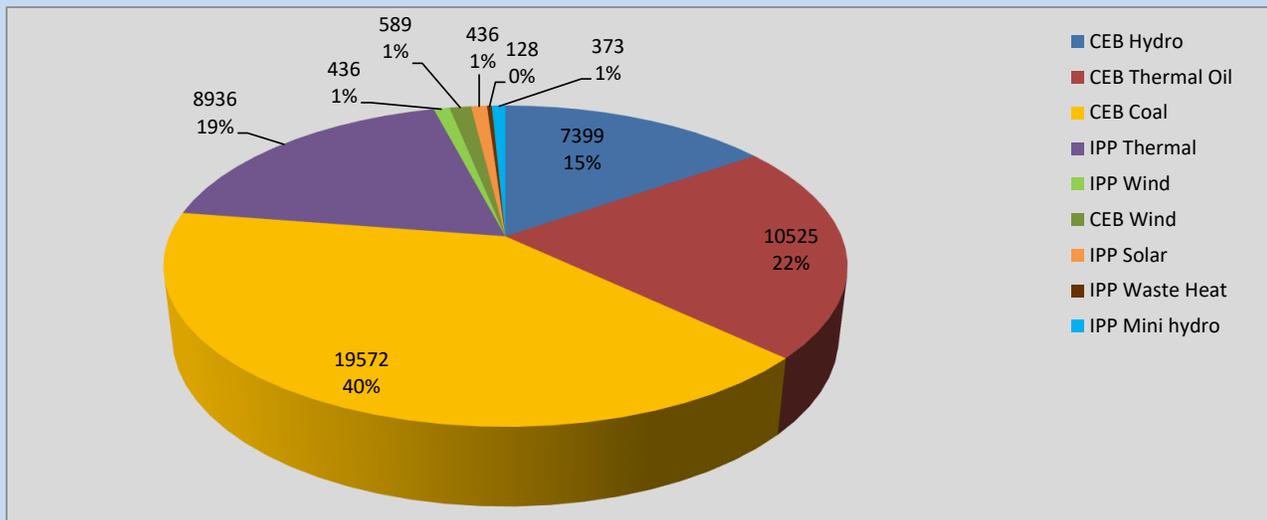
Generation and Reservoirs Statistics

March 23, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation **48,215 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

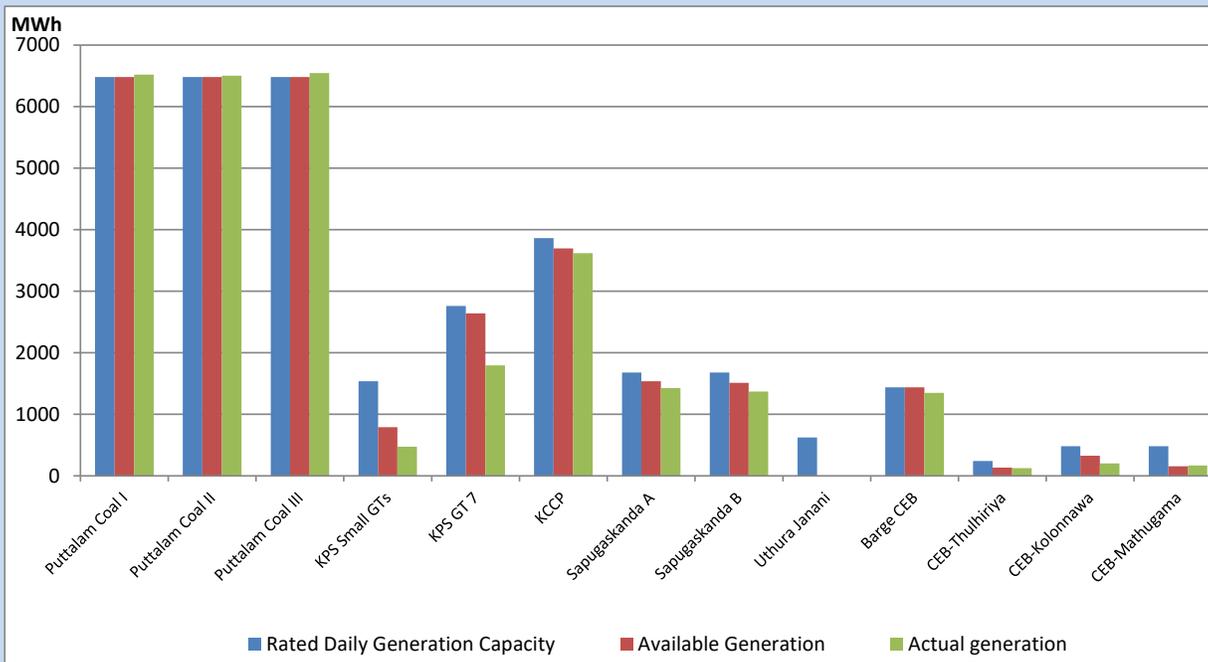
Category	Dispatch (GWh)	Percentage
CEB Hydro	192.28	18.93%
CEB Thermal Oil	154.92	15.25%
CEB Coal	450.06	44.32%
IPP Thermal	165.94	16.34%
SPP Wind	11.93	1.17%
CEB Wind	16.71	1.65%
SPP Solar	5.94	0.58%
SPP Solid Waste	5.07	0.50%
Mini Hydro	12.74	1.25%
Total	1,015.59	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	870.1	24.31%
CEB Thermal Oil	567.1	15.85%
CEB Coal	1,393.6	38.94%
IPP Thermal	557.4	15.57%
SPP Wind	40.1	1.12%
CEB Wind	51.0	1.42%
SPP Solar	21.2	0.59%
SPP Solid Waste	16.2	0.45%
Mini Hydro	62.4	1.74%
Total	3,578.8	

CEB owned Thermal Plant Dispatch

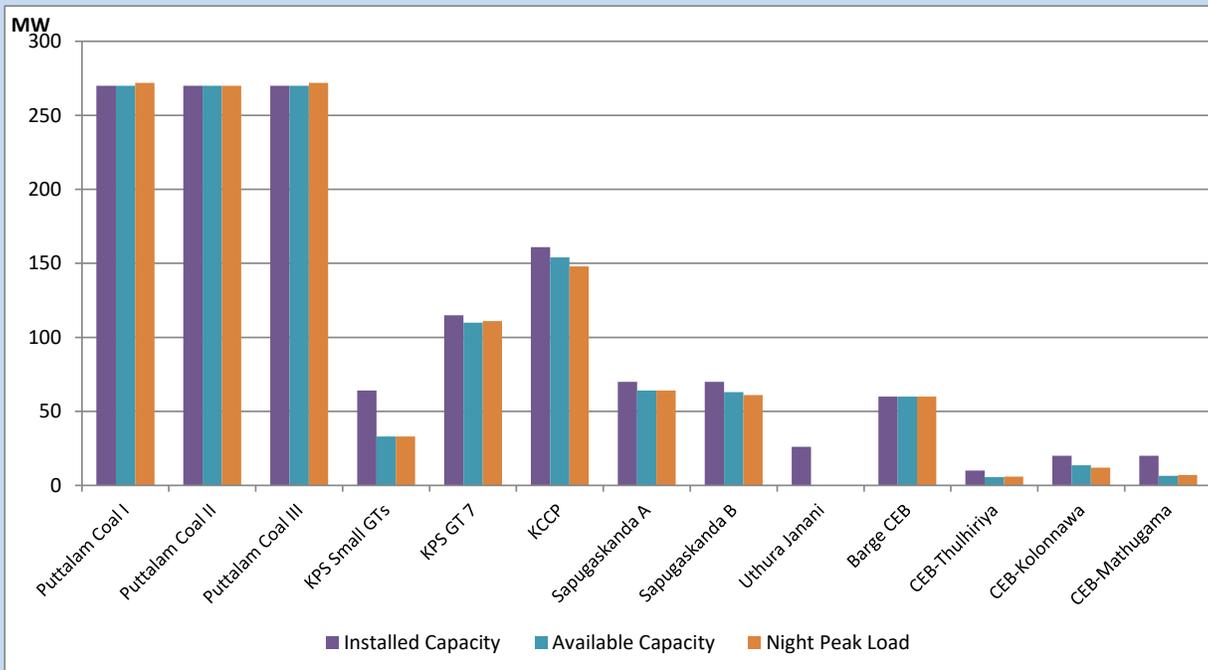
March 23, 2022



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

March 24, 2022

CEB owned Thermal Plant Loading at the Night Peak



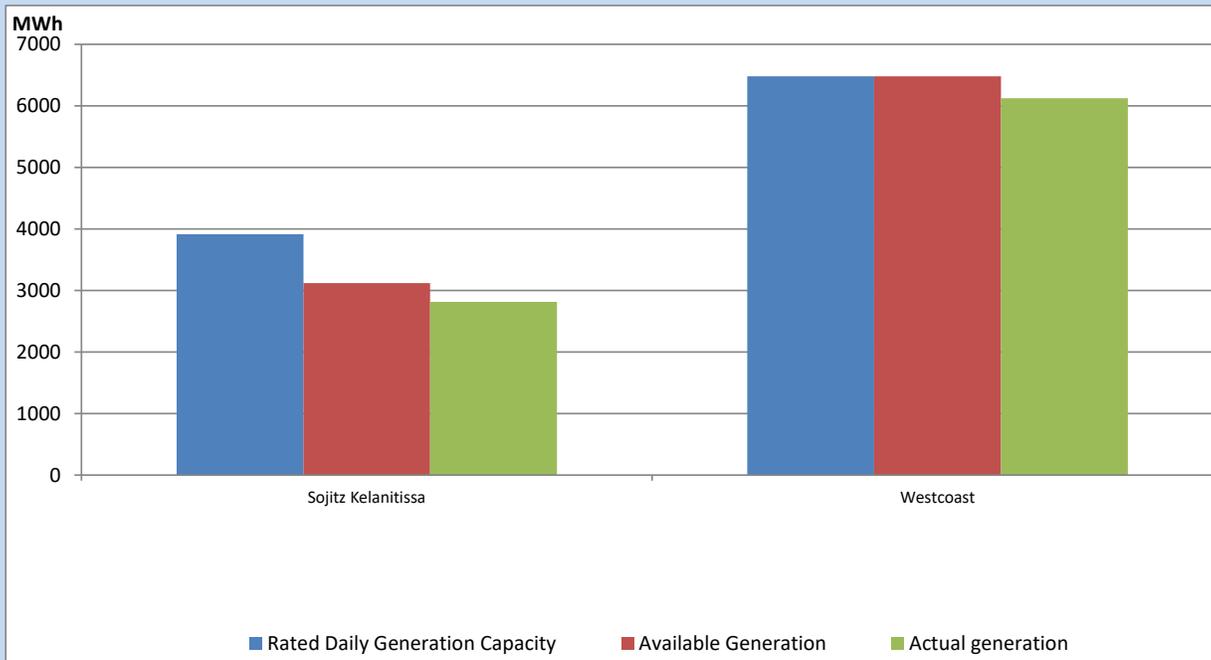
Note- Plant availability is recorded at 6.00 am on

March 24, 2022

IPP owned Thermal Plant Dispatch

March 23, 2022

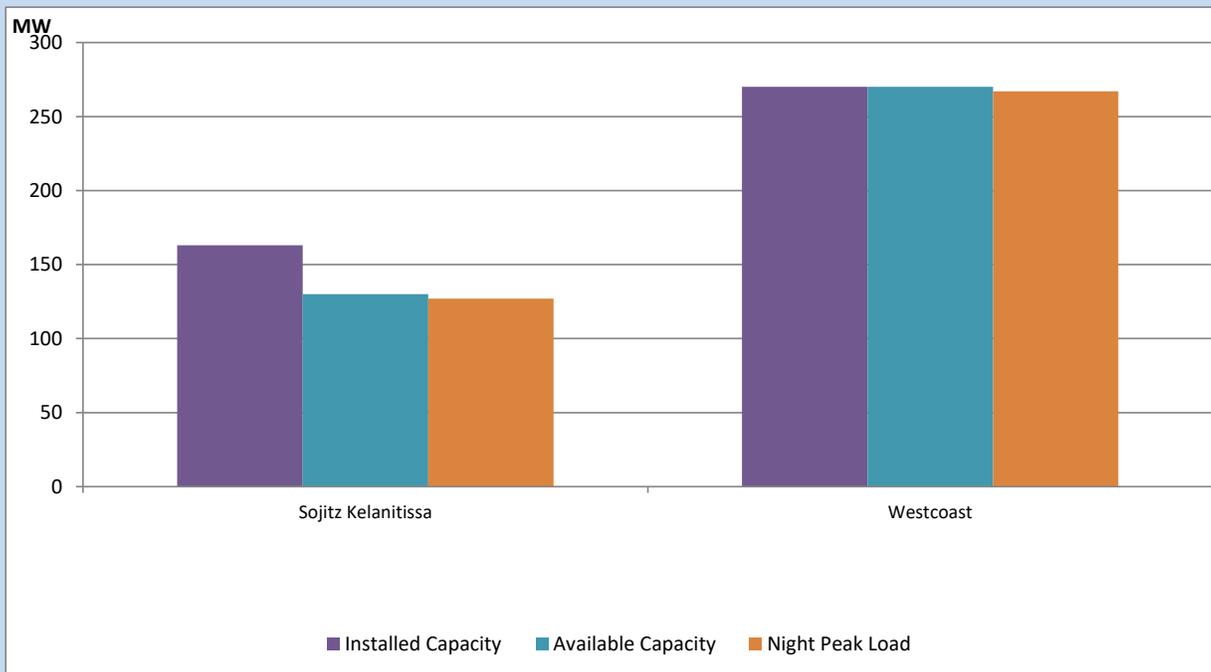
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 24, 2022

IPP owned Thermal Plant Loading at the Night Peak

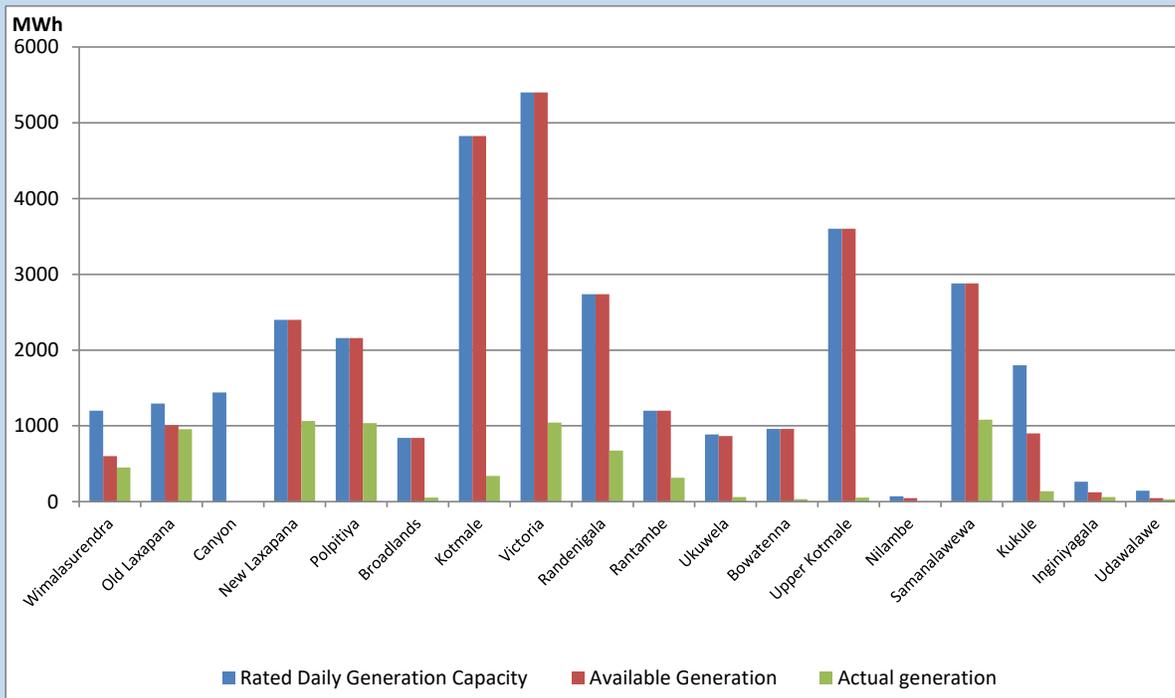


Note- Plant availability is recorded at 6.00 am on

March 24, 2022

Major Hydro Plant Dispatch

March 23, 2022

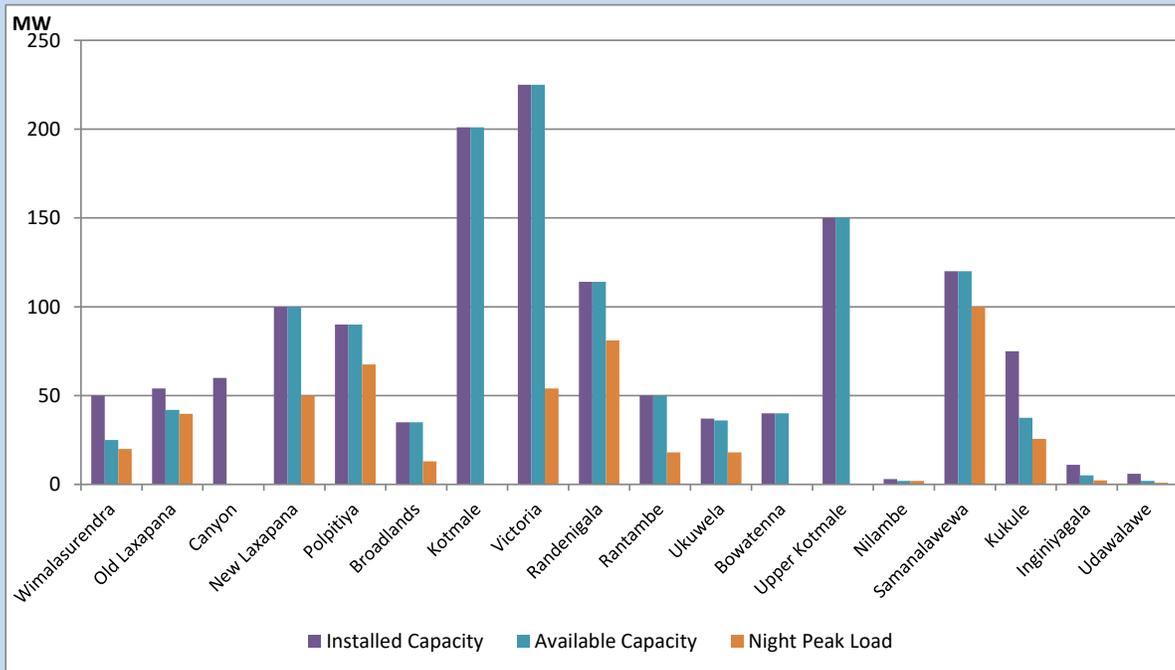


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

March 24, 2022

Major Hydro Plant Loading at Night Peak

March 23, 2022



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

March 24, 2022

Summary of Major Plant performance

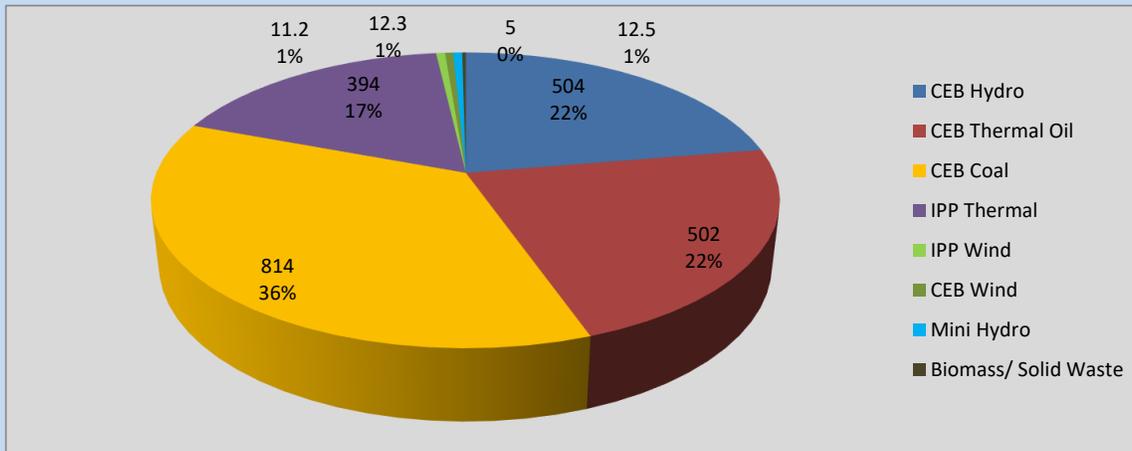
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	20	451
Old Laxapana	54	42	40	956
Canyon	60	0	0	0
New Laxapana	100	100	50	1,064
Polpitiya	90	90	68	1,036
Broadlands	35	35	13	54
Kotmale	201	201	0	340
Victoria	225	225	54	1,045
Randenigala	114	114	81	675
Rantambe	50	50	18	316
Ukuwela	37	36	18	62
Bowatenna	40	40	0	33
Upper Kotmale	150	150	0	52
Nilambe	3	2	2	4
Samanalawewa	120	120	100	1,081
Kukule	75	38	26	138
Inginiyagala	11	5	2	62
Udawalawe	6	2	1	30
Puttalam Coal I	270	270	272	6,522
Puttalam Coal II	270	270	270	6,503
Puttalam Coal III	270	270	272	6,547
KPS Small GTs	64	33	33	472
KPS GT 7	115	110	111	1,794
KCCP	161	154	148	3,621
Sapugaskanda A	70	64	64	1,425
Sapugaskanda B	70	63	61	1,369
Uthura Janani	26	0	0	0
Barge CEB	60	60	60	1,350
CEB-Thulhiriya	10	6	6	125
CEB-Kolonnawa	20	14	12	201
CEB-Mathugama	20	6	7	168
Sojitz Kelanitissa	163	130	127	2,814
West Coast	270	270	267	6,122
Total	3,280	2,994	2,243	48,215

Plant availability is the availability recorded at 6 am on

March 24, 2022

Contribution to the Night Peak in MW

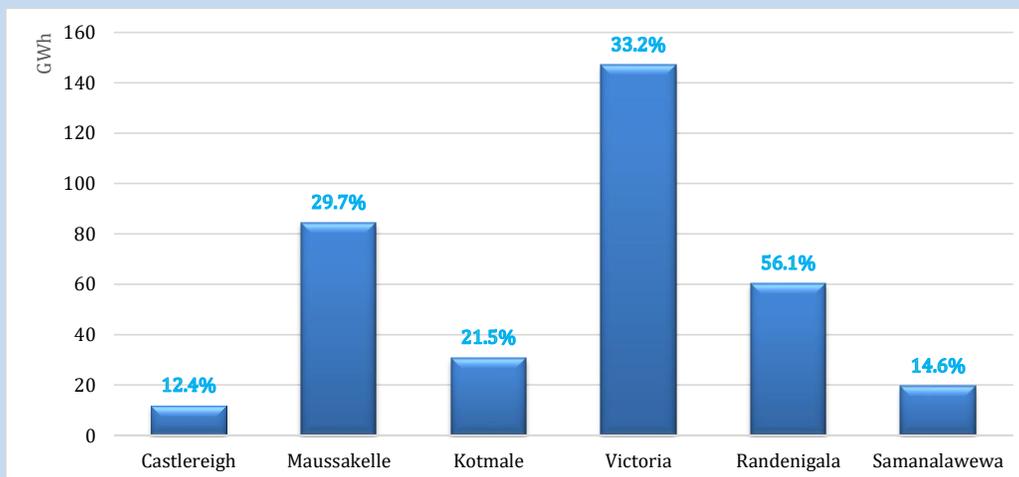
March 23, 2022



Night Peak*	2,254.9 MW
Day Peak	2,101.8 MW
Minimum Demand	1,634.4 MW

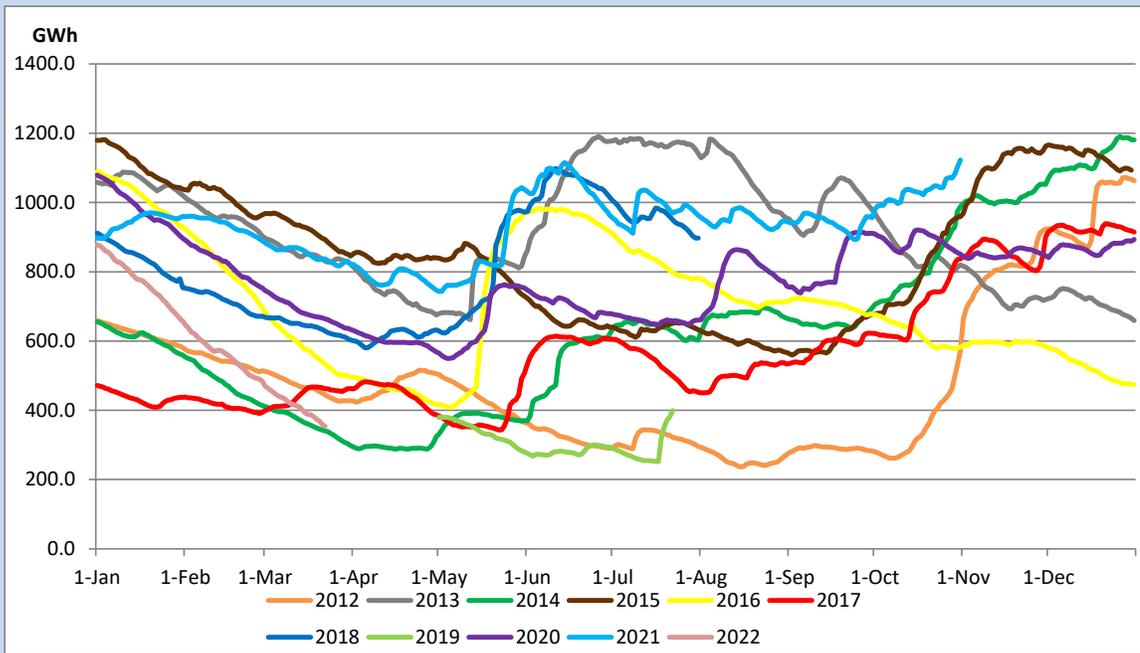
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Reservoir Levels - as at 06.00 Hr on March 24, 2022



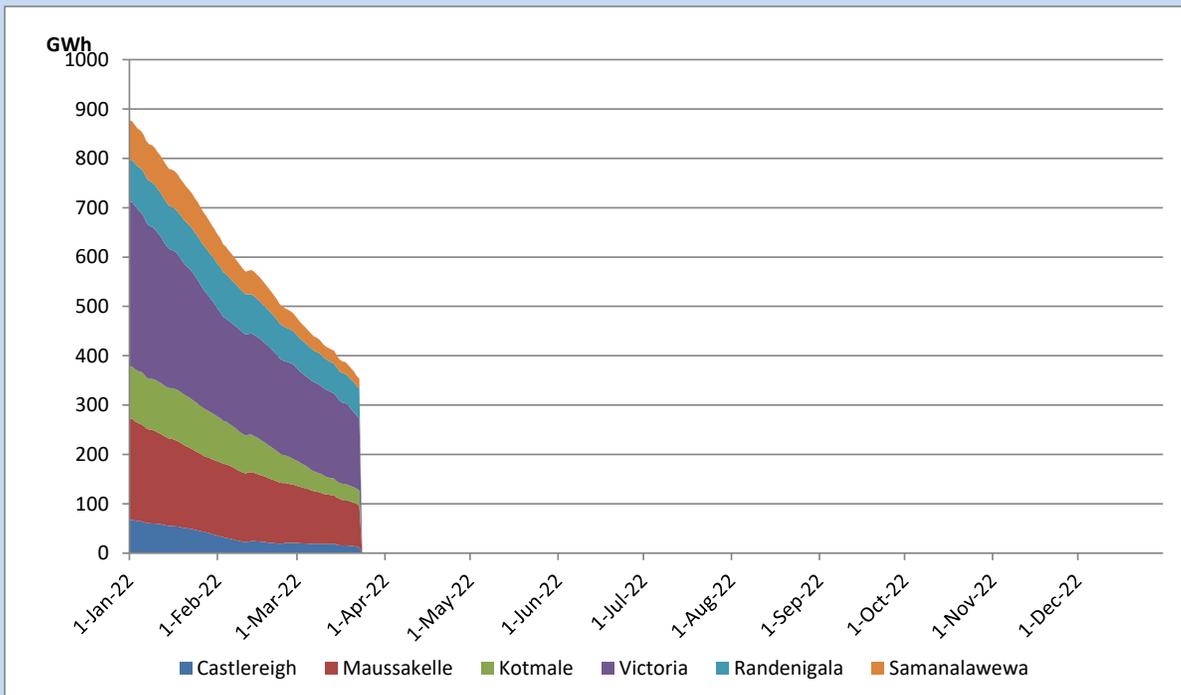
Total Reservoir Level	353.8 GWh
% of Total capacity	27.9%

Comparison of Total Reservoir Storage Levels with Past Years

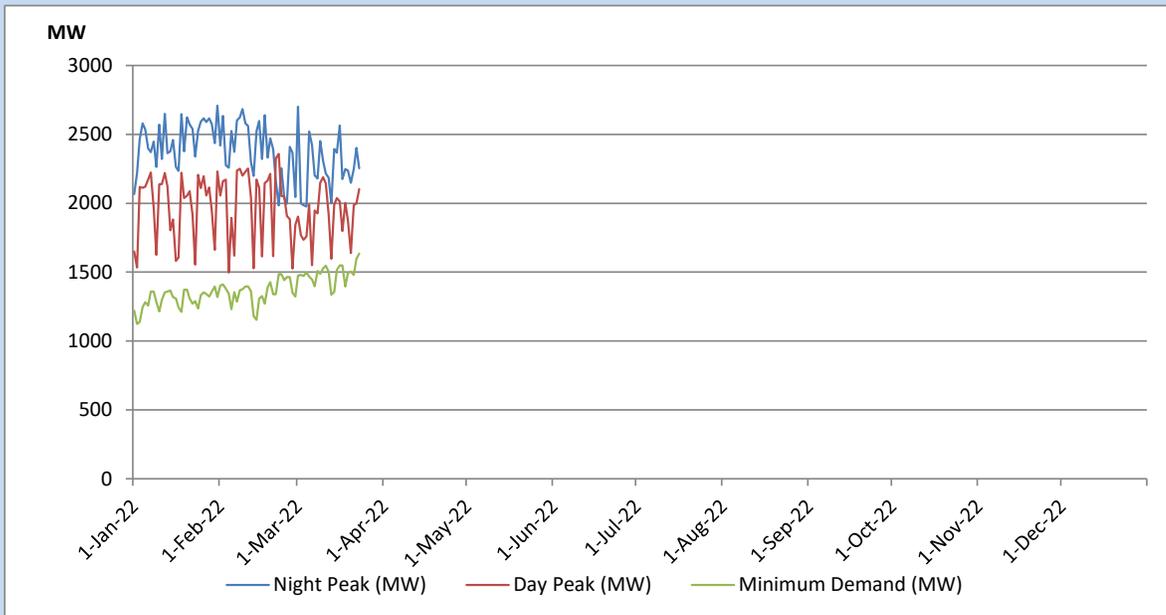


Data for 2018 and 2019 are only available for part of year.

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



Variation of Demand during the current year

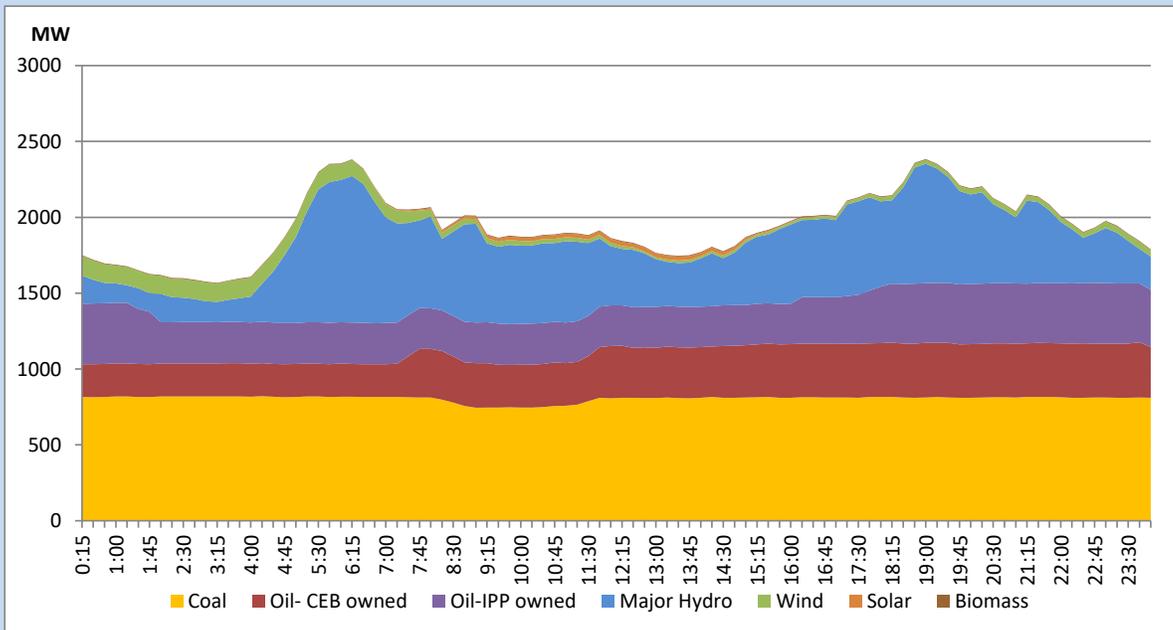


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

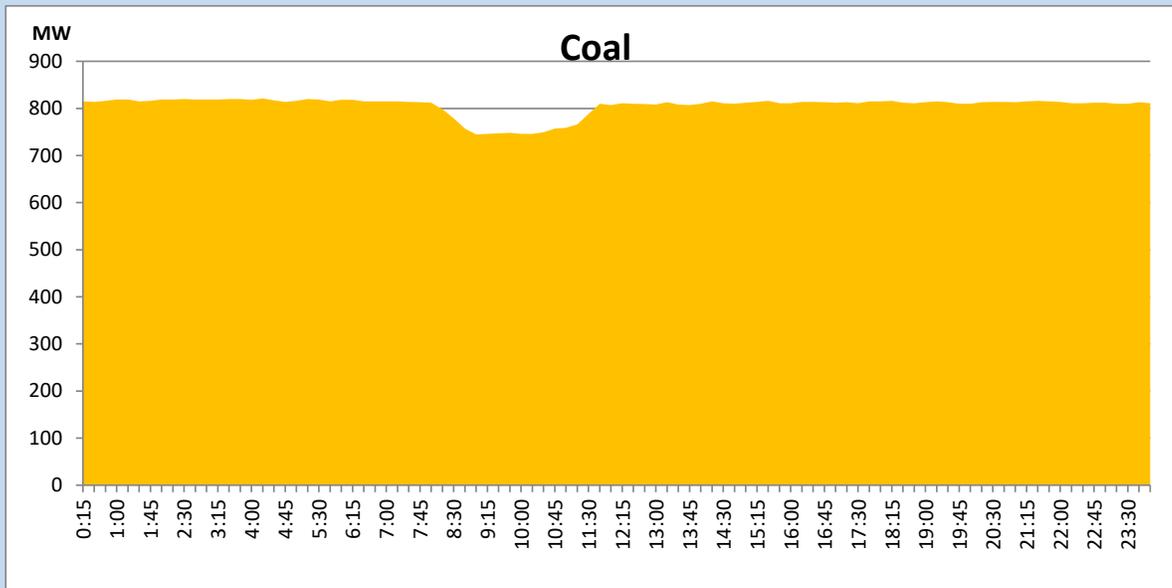
March 22, 2022

Solar and wind data is based on Telemetered Power Stations only



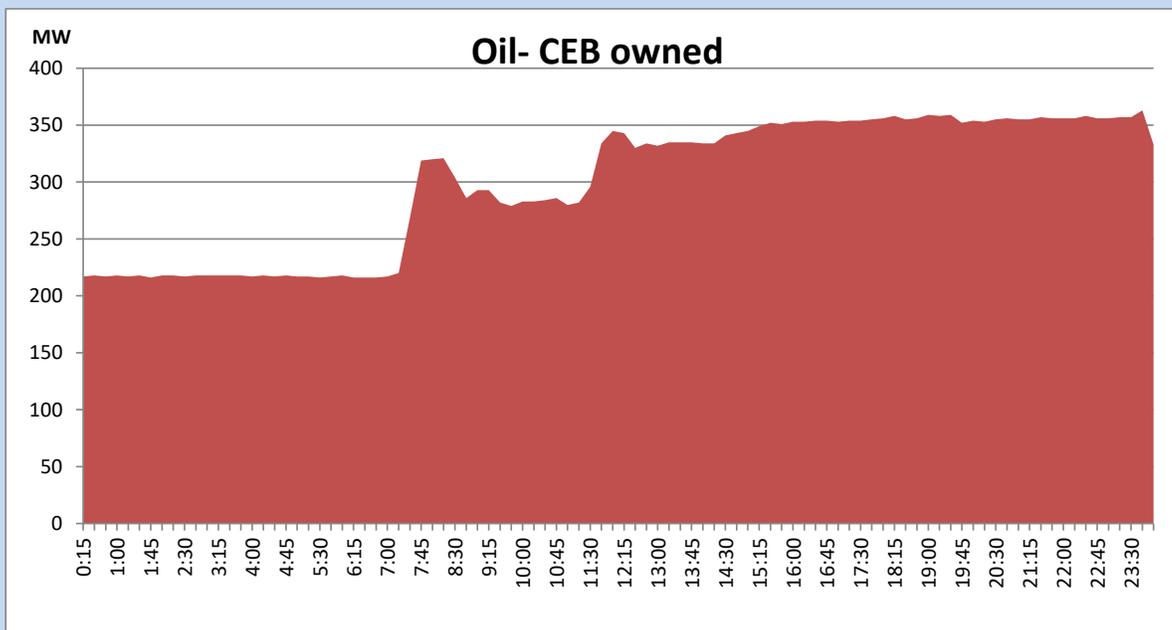
Coal Generation during the Previous day

March 22, 2022



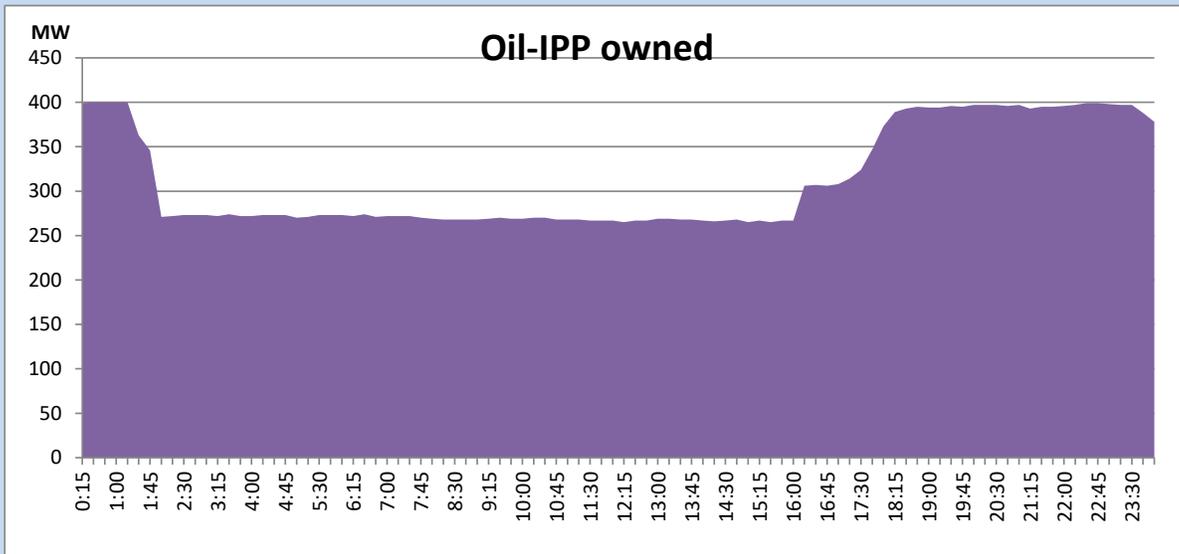
CEB Oil Plant Generation during the Previous day

March 22, 2022



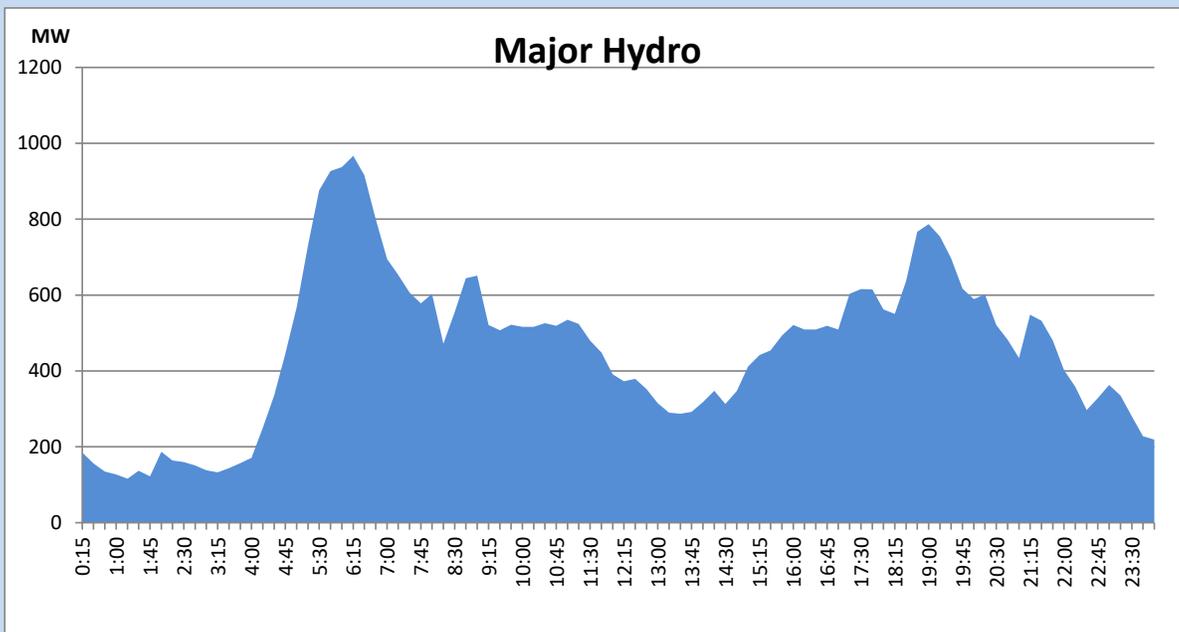
IPP Oil Plant Generation during the Previous day

March 22, 2022



Major Hydro Generation during the Previous day

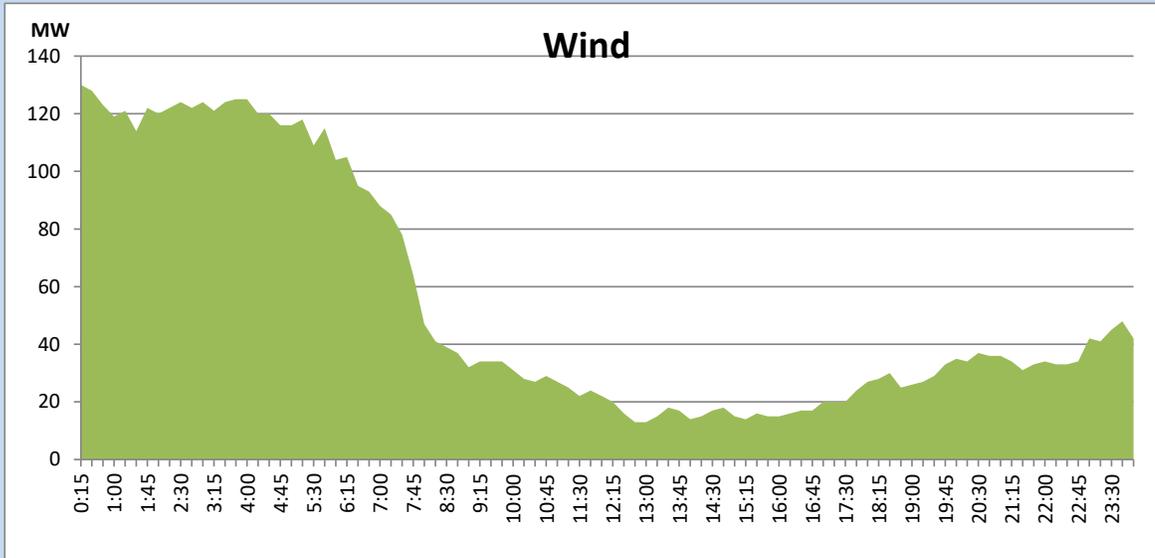
March 22, 2022



Wind Generation during the Previous day

March 22, 2022

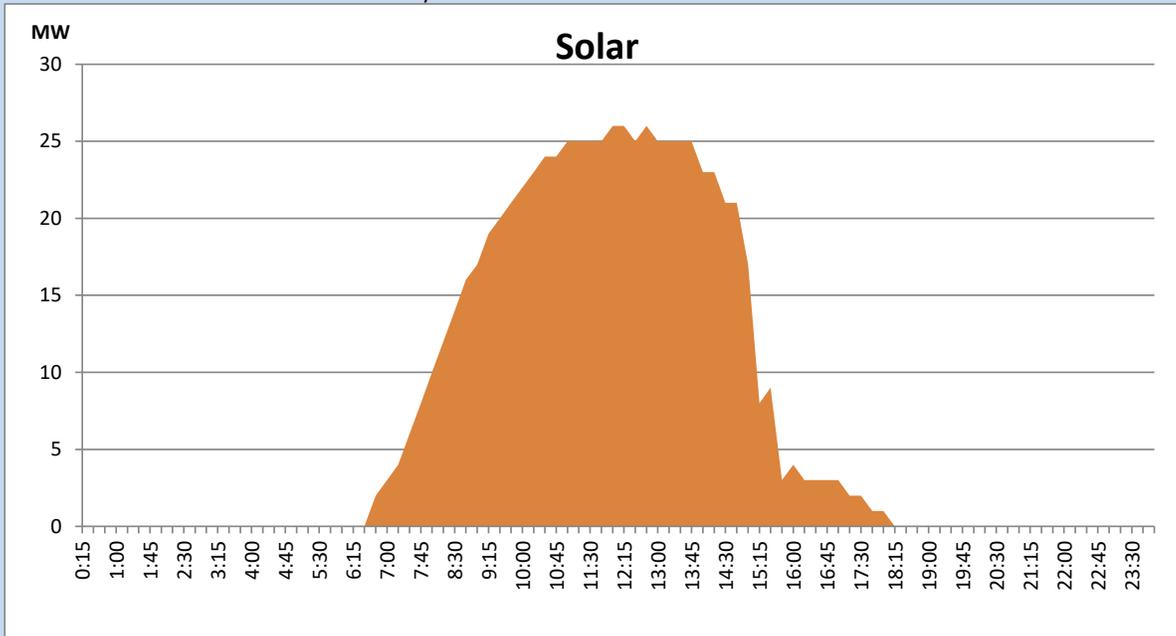
Based on Telemetered Power Stations only



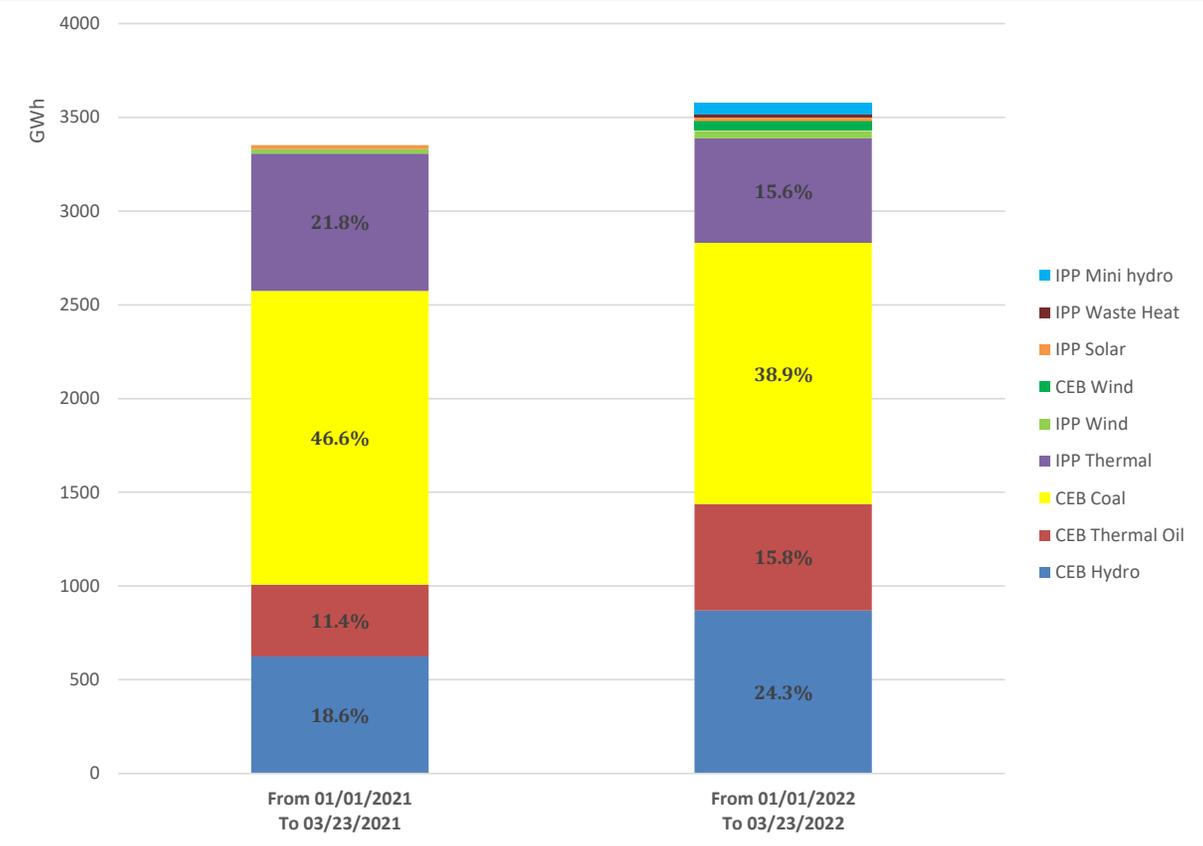
Solar Generation during the Previous day

March 22, 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

March 24, 2022

- 1) Rotational manual load shedding was carried out from 08:00hrs to 23:00hrs.
- 2) Kilinochchi 132/33kV T/F 02, 33kV B/S CB 01 & 02 tripped at 15:14 hrs causing feeders 02, 04 & 08 to be disconnected due to E/F. All affected equipment were normalized by 15:42 hrs.
- 3) Kilinochchi-Vaunia cct 02 tripped and auto-reclosed at 16:22 hrs due to operation of distance protection