

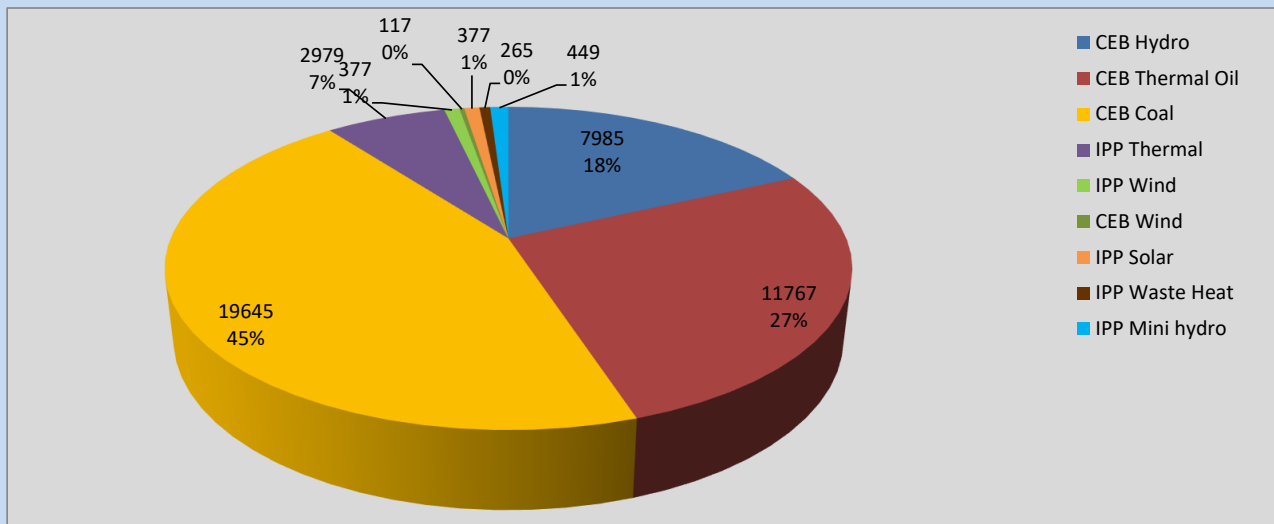
# Generation and Reservoirs Statistics

March 26, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **43,874 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

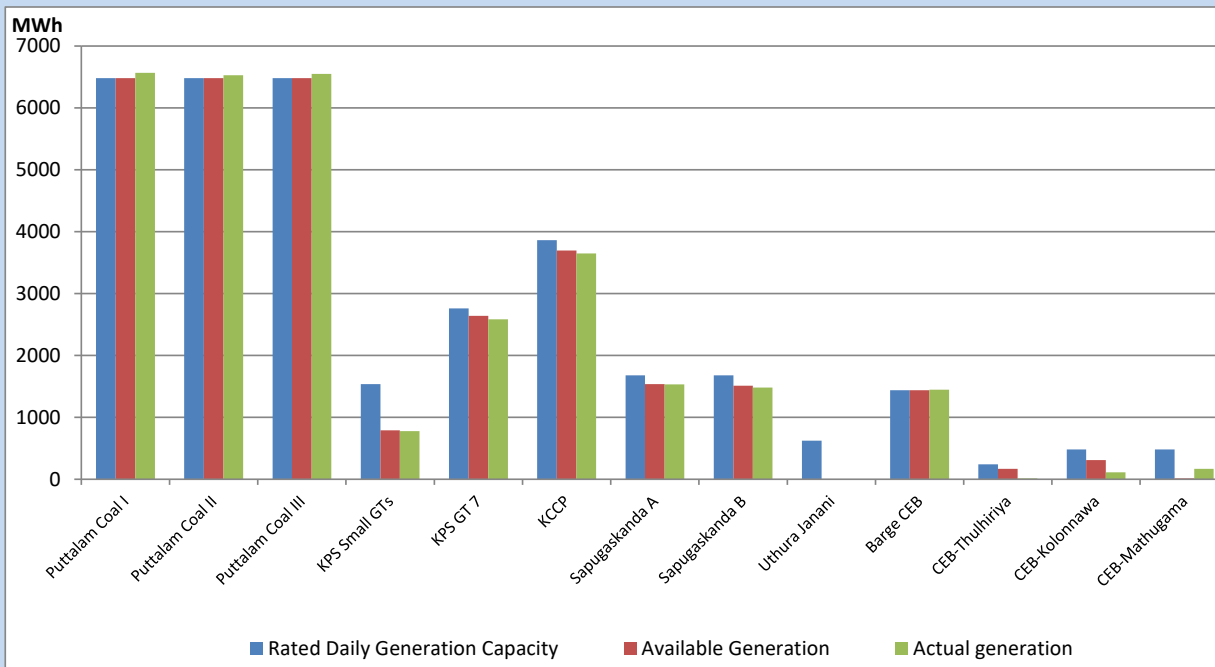
Category	Dispatch (GWh)	Percentage
CEB Hydro	219.07	19.04%
CEB Thermal Oil	189.52	16.47%
CEB Coal	508.90	44.23%
IPP Thermal	176.40	15.33%
SPP Wind	12.85	1.12%
CEB Wind	17.60	1.53%
SPP Solar	6.80	0.59%
SPP Solid Waste	5.62	0.49%
Mini Hydro	13.87	1.21%
<b>Total</b>	<b>1,150.63</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	896.9	24.15%
CEB Thermal Oil	601.7	16.20%
CEB Coal	1,452.5	39.11%
IPP Thermal	567.8	15.29%
SPP Wind	41.0	1.10%
CEB Wind	51.9	1.40%
SPP Solar	22.1	0.60%
SPP Solid Waste	16.7	0.45%
Mini Hydro	63.6	1.71%
<b>Total</b>	<b>3,713.9</b>	

## CEB owned Thermal Plant Dispatch

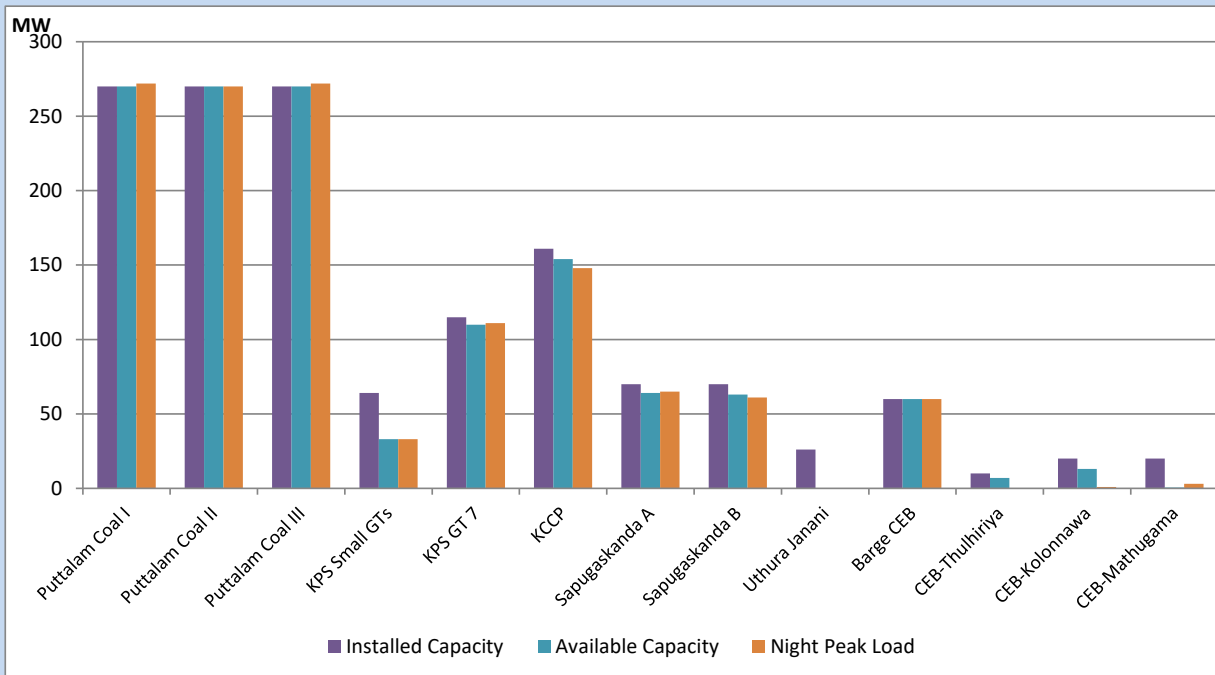
March 26, 2022



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

March 27, 2022

## CEB owned Thermal Plant Loading at the Night Peak



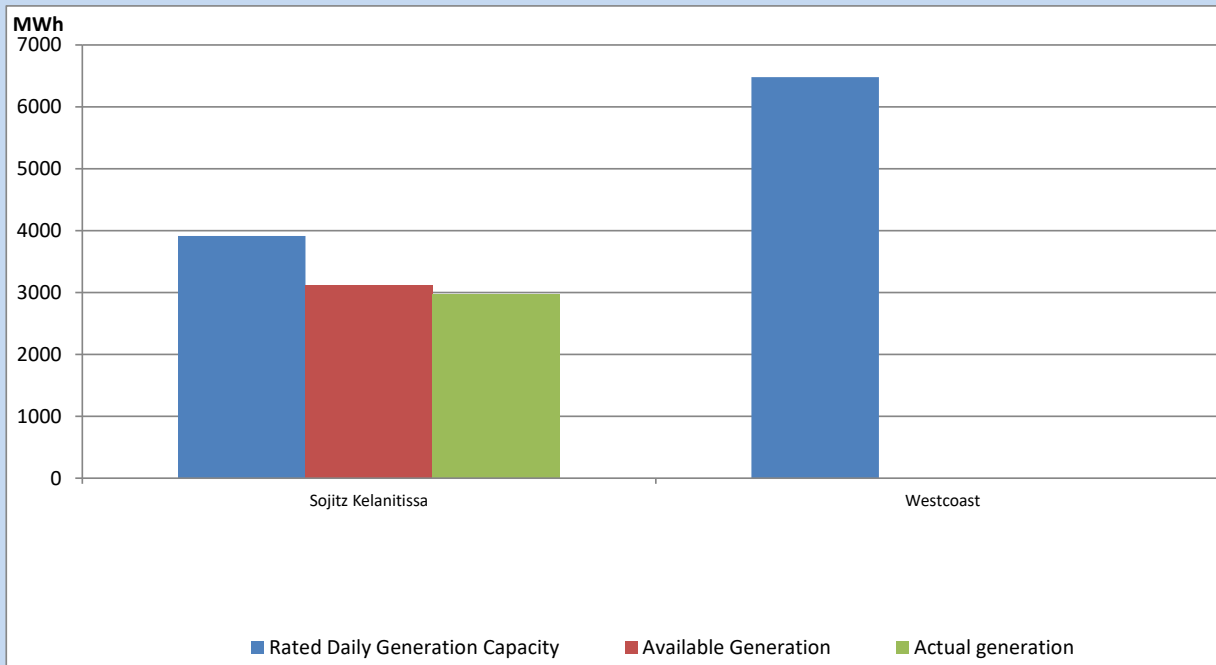
Note- Plant availability is recorded at 6.00 am on

March 27, 2022

## IPP owned Thermal Plant Dispatch

March 26, 2022

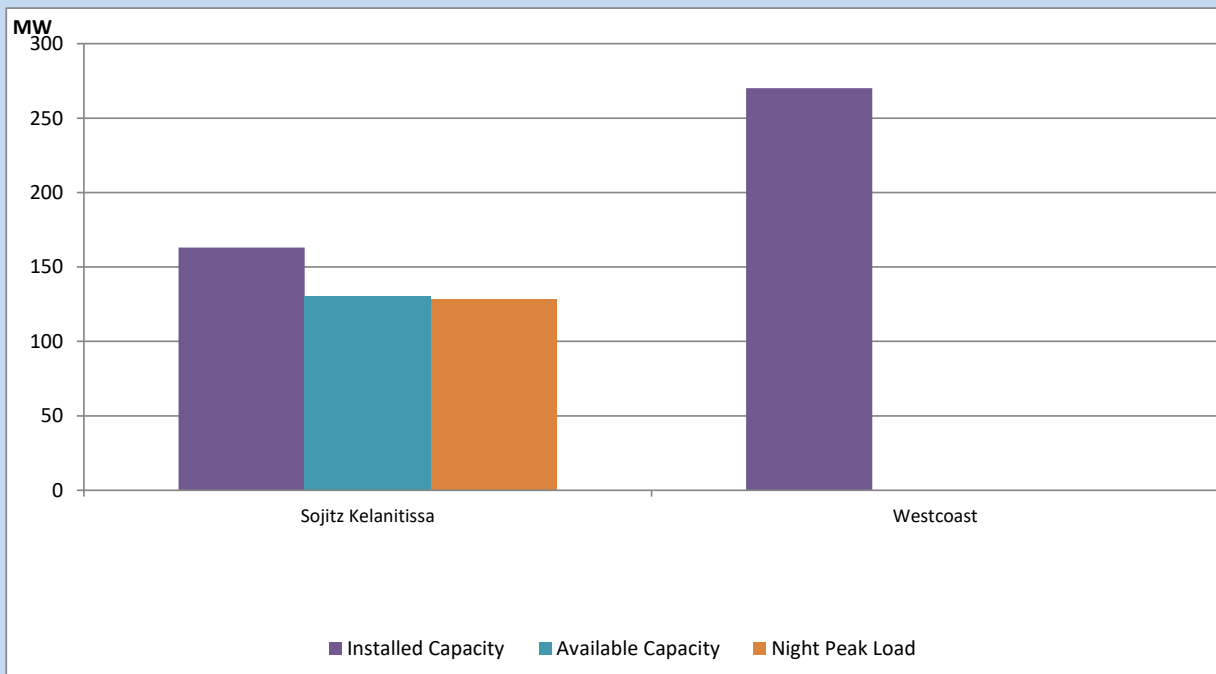
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 27, 2022

## IPP owned Thermal Plant Loading at the Night Peak

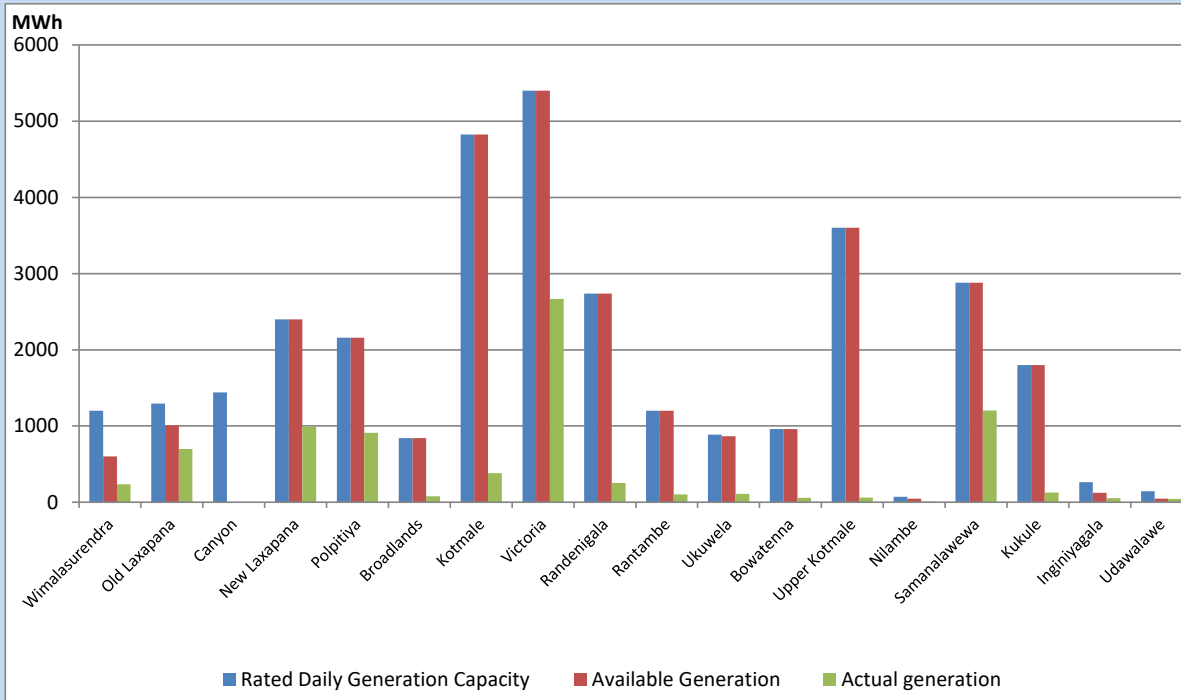


Note- Plant availability is recorded at 6.00 am on

March 27, 2022

## Major Hydro Plant Dispatch

March 26, 2022

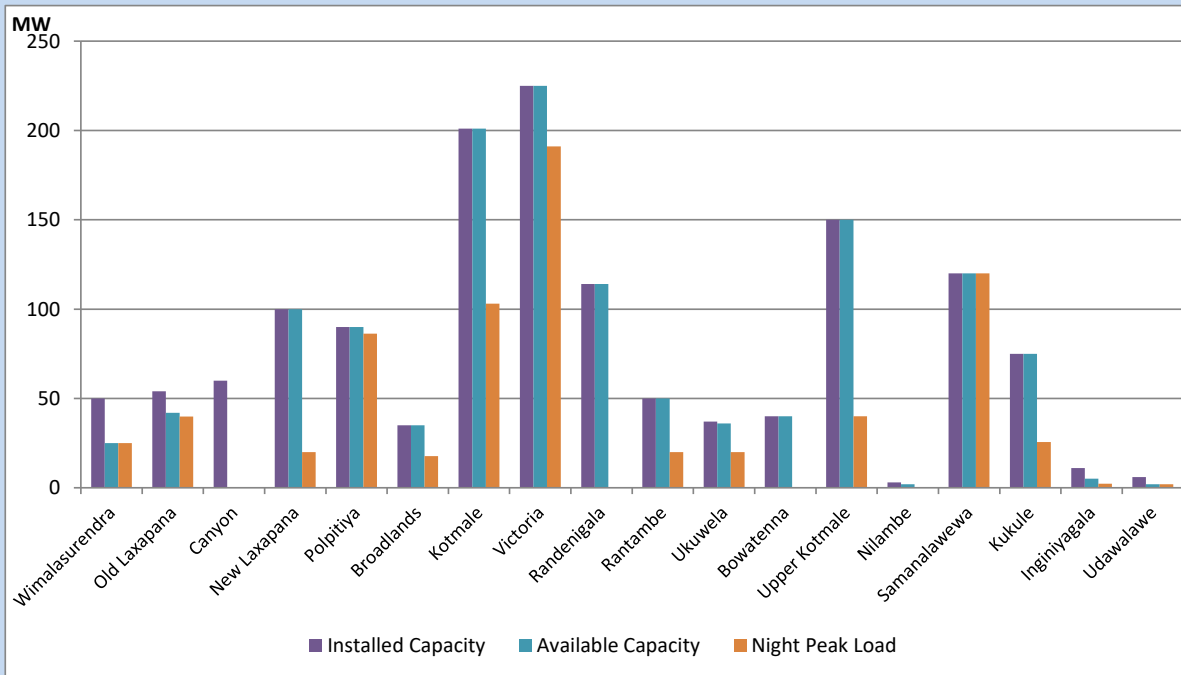


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 27, 2022

## Major Hydro Plant Loading at Night Peak

March 26, 2022



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

March 27, 2022

## Summary of Major Plant performance

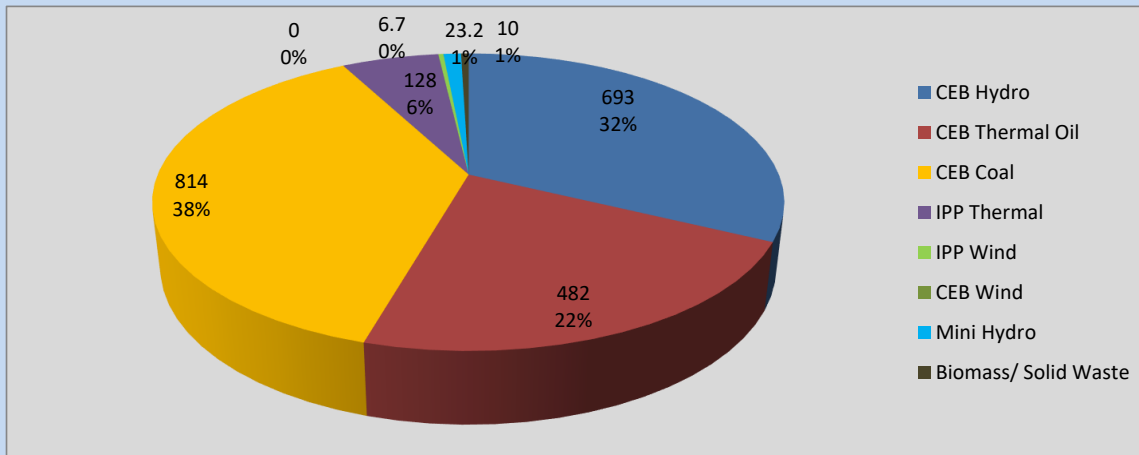
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	235
Old Laxapana	54	42	40	699
Canyon	60	0	0	0
New Laxapana	100	100	20	992
Polpitiya	90	90	86	912
Broadlands	35	35	18	78
Kotmale	201	201	103	380
Victoria	225	225	191	2,667
Randenigala	114	114	0	254
Rantambe	50	50	20	104
Ukuwela	37	36	20	110
Bowatenna	40	40	0	56
Upper Kotmale	150	150	40	62
Nilambe	3	2	0	8
Samanalawewa	120	120	120	1,205
Kukule	75	75	26	128
Inginiyagala	11	5	2	52
Udawalawe	6	2	2	43
Puttalam Coal I	270	270	272	6,569
Puttalam Coal II	270	270	270	6,527
Puttalam Coal III	270	270	272	6,549
KPS Small GTs	64	33	33	780
KPS GT 7	115	110	111	2,585
KCCP	161	154	148	3,647
Sapugaskanda A	70	64	65	1,533
Sapugaskanda B	70	63	61	1,482
Uthura Janani	26	0	0	0
Barge CEB	60	60	60	1,448
CEB-Thulhiriya	10	7	0	12
CEB-Kolonnawa	20	13	1	112
CEB-Mathugama	20	1	3	168
Sojitz Kelanitissa	163	130	128	2,979
West Coast	270	0	0	0
<b>Total</b>	<b>3,280</b>	<b>2,757</b>	<b>2,177</b>	<b>43,874</b>

Plant availability is the availability recorded at 6 am on

March 27, 2022

## Contribution to the Night Peak in MW

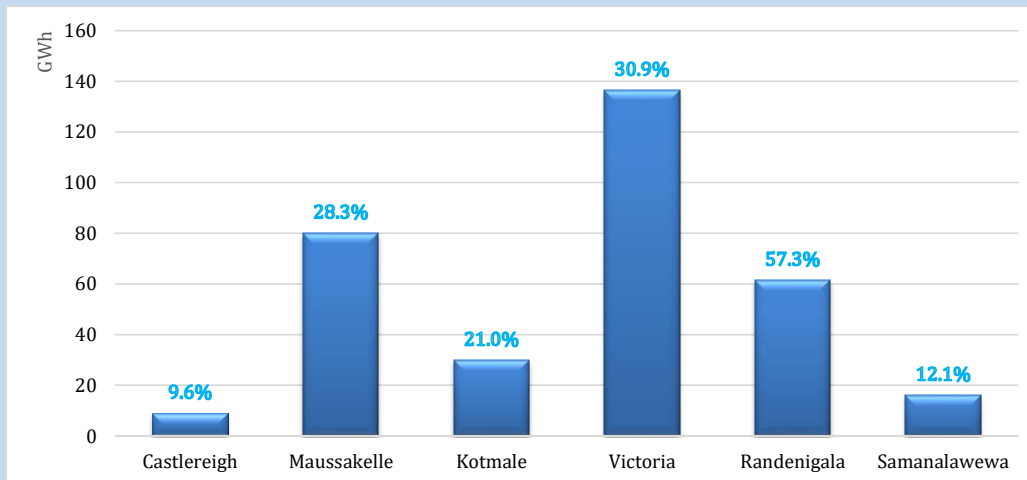
March 26, 2022



Night Peak*	2,156.6 MW
Day Peak	1,785.8 MW
Minimum Demand	1,613.1 MW

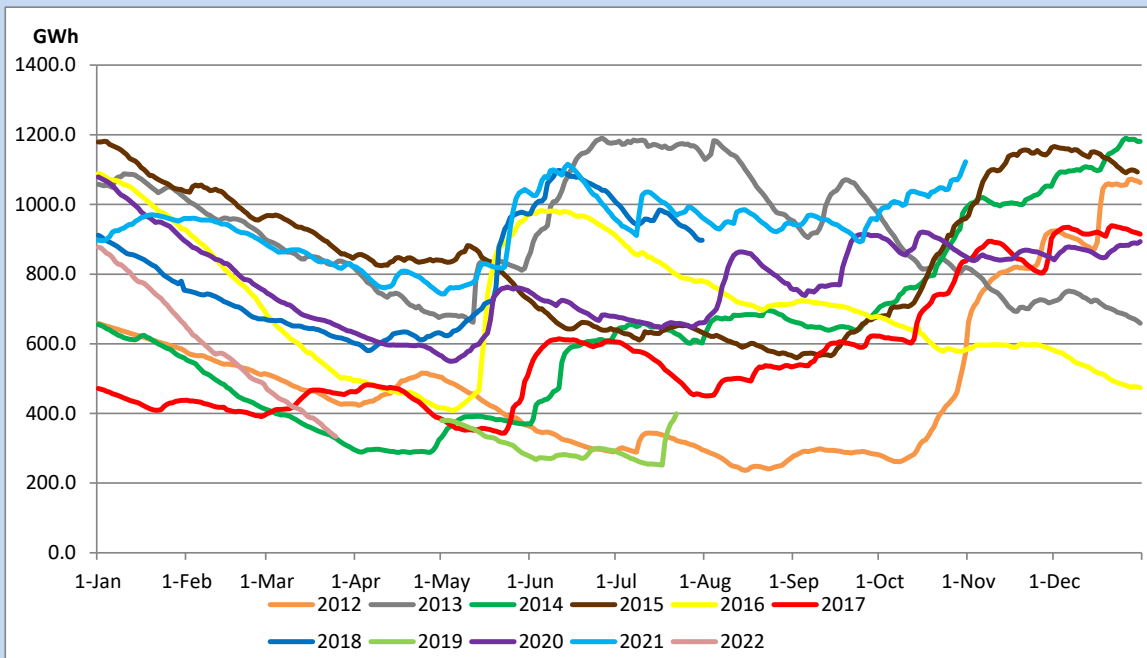
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on March 27, 2022



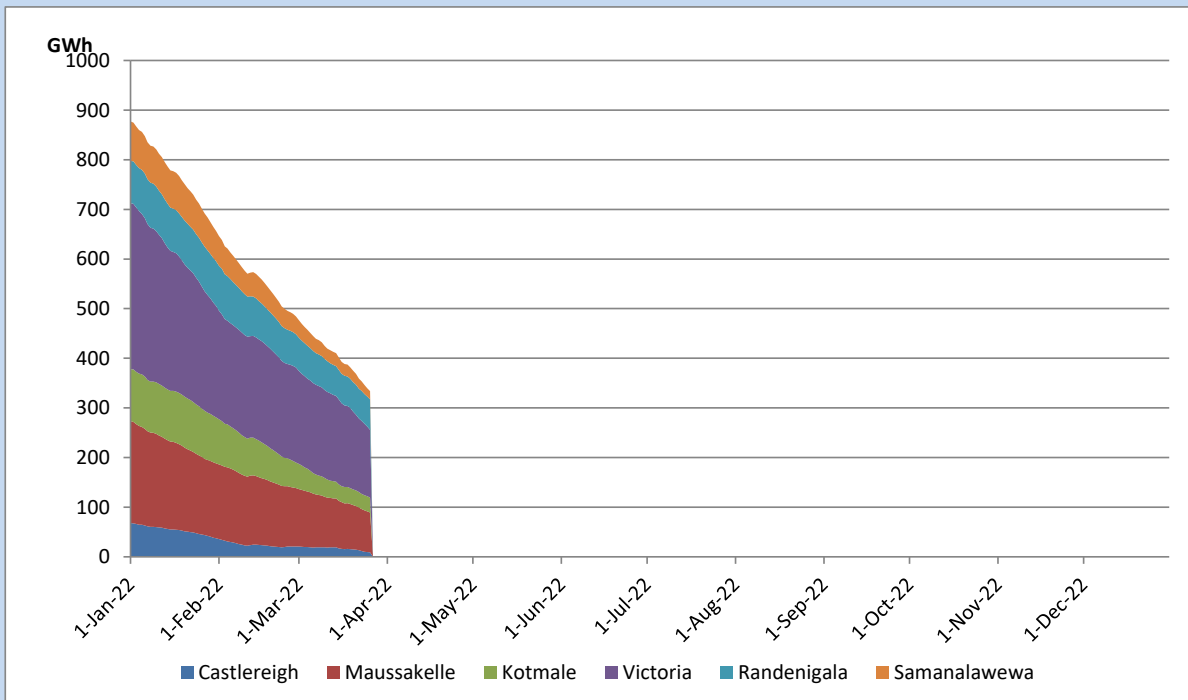
Total Reservoir Level	333.7 GWh
% of Total capacity	26.5%

## Comparison of Total Reservoir Storage Levels with Past Years



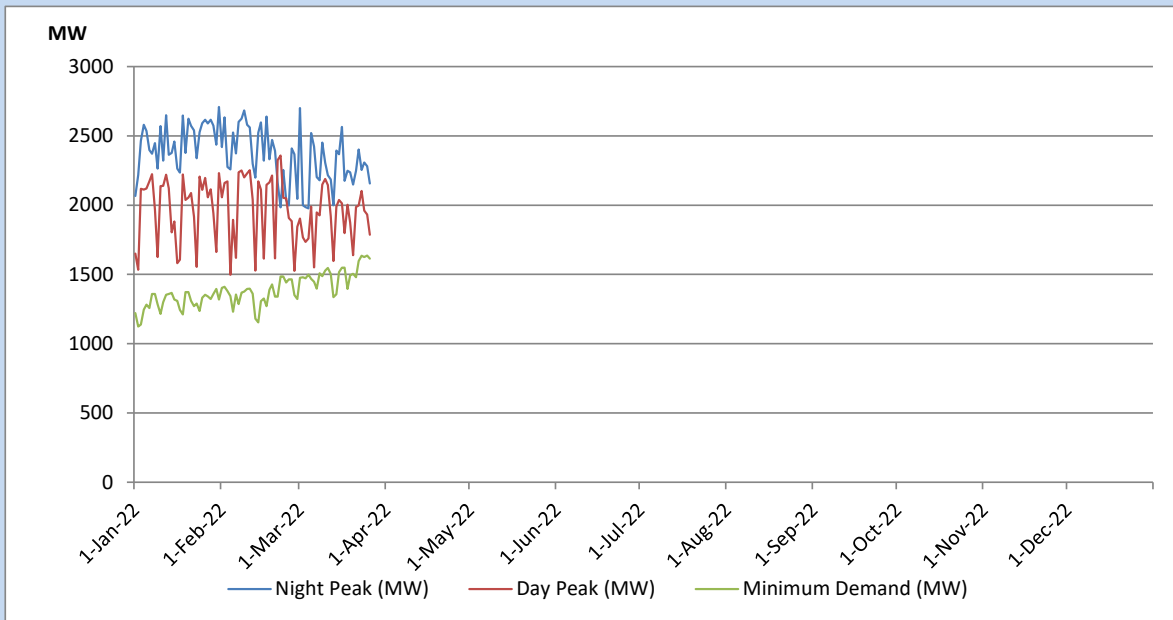
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

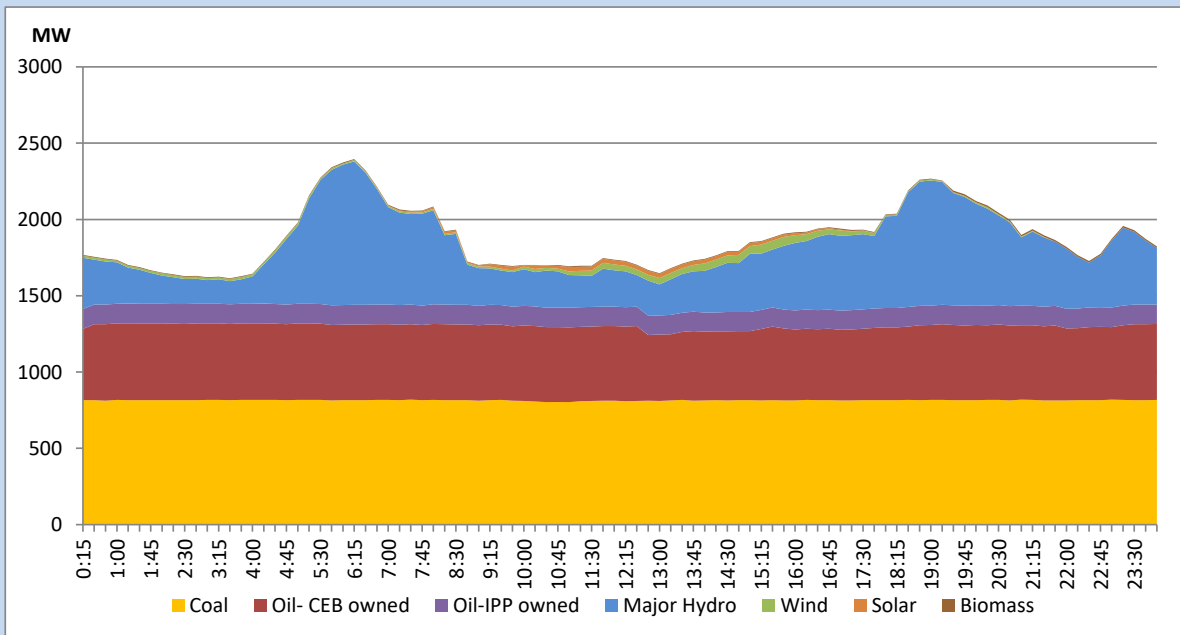


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

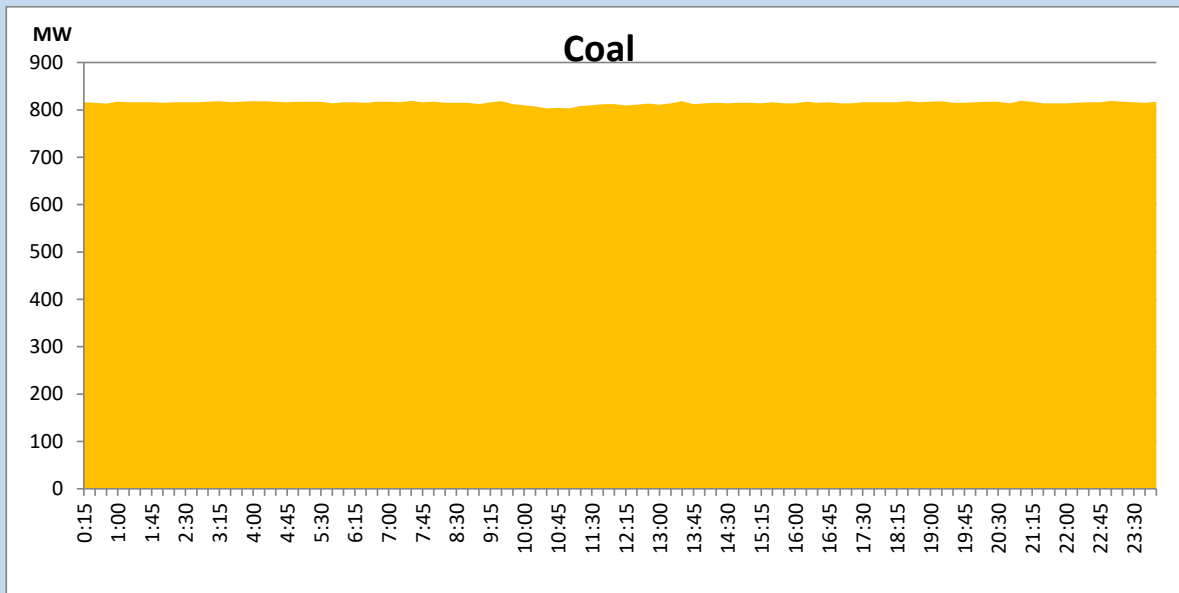
March 25, 2022

Solar and wind data is based on Telemetered Power Stations only



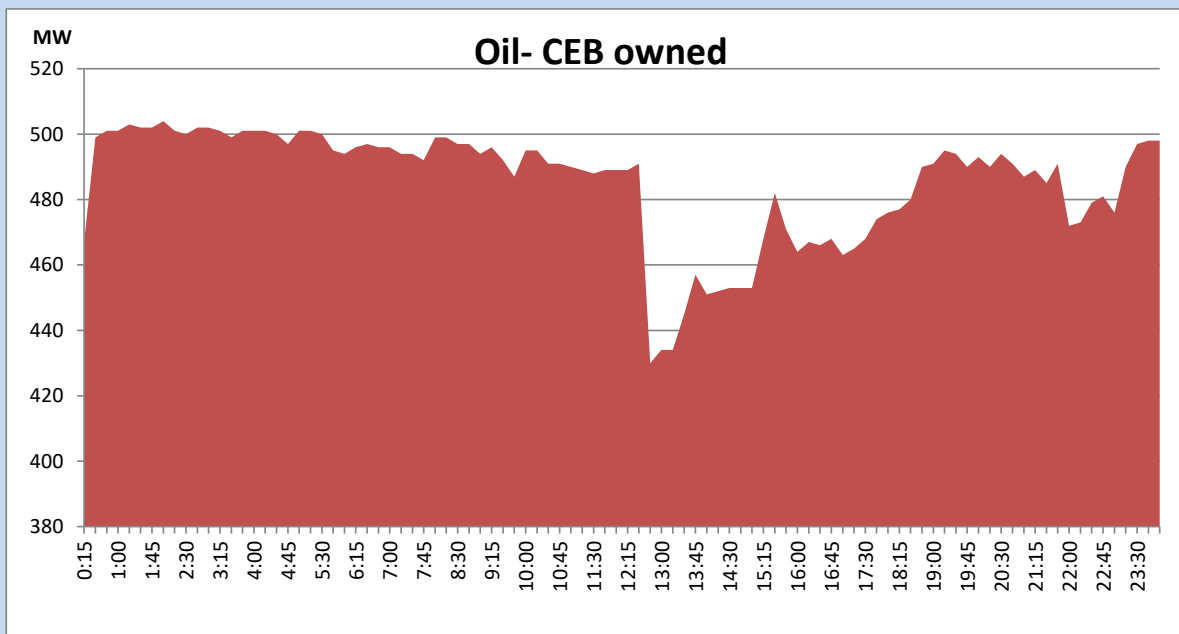
## Coal Generation during the Previous day

March 25, 2022



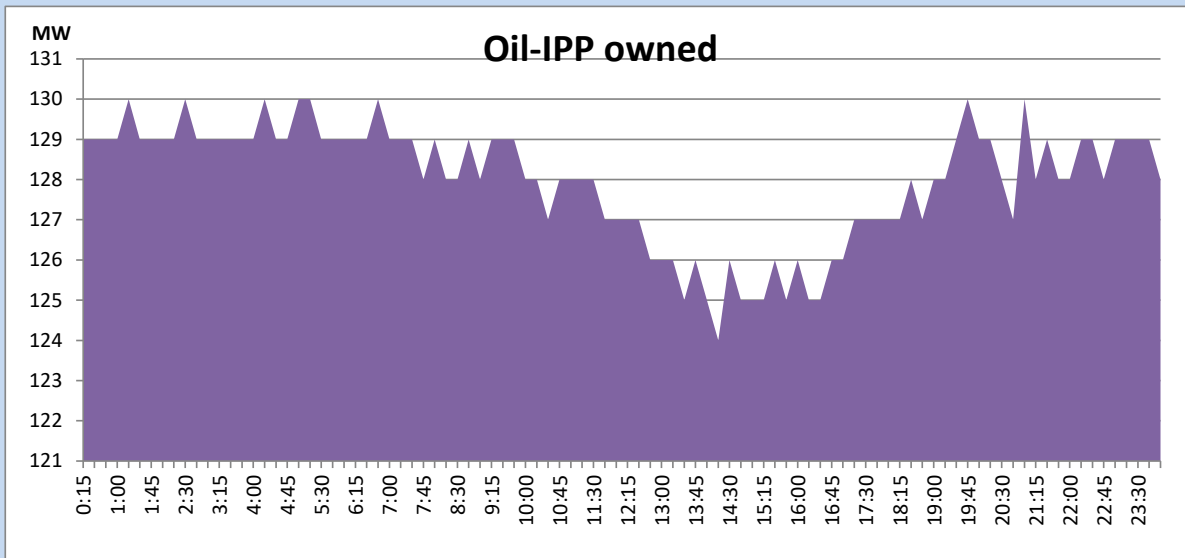
## CEB Oil Plant Generation during the Previous day

March 25, 2022



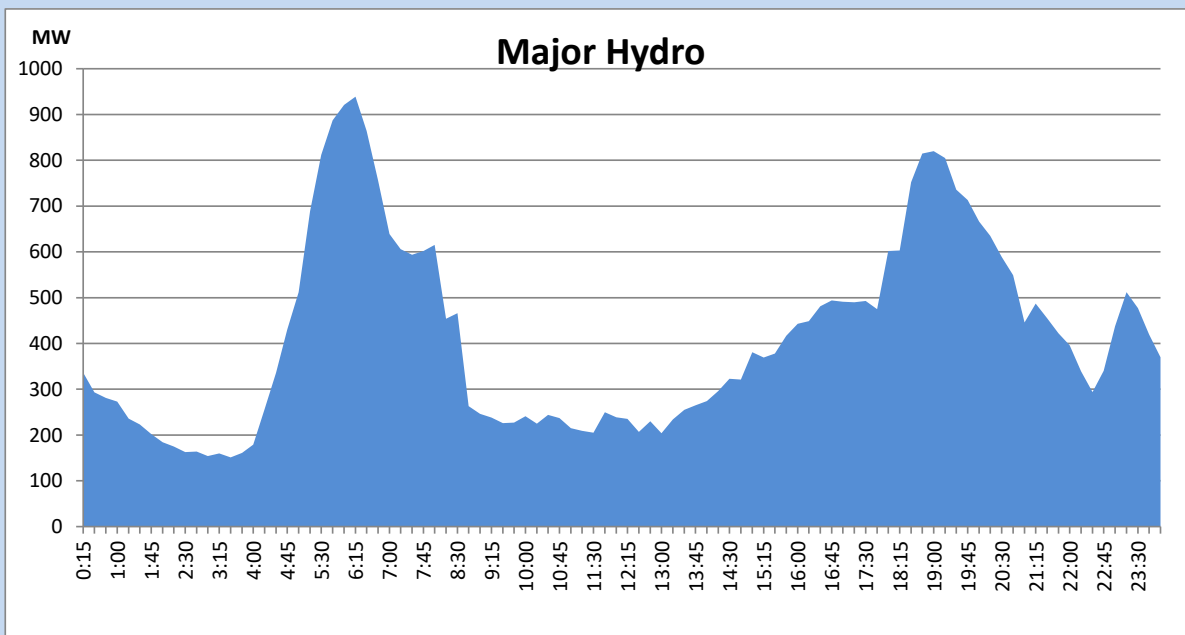
## IPP Oil Plant Generation during the Previous day

March 25, 2022



## Major Hydro Generation during the Previous day

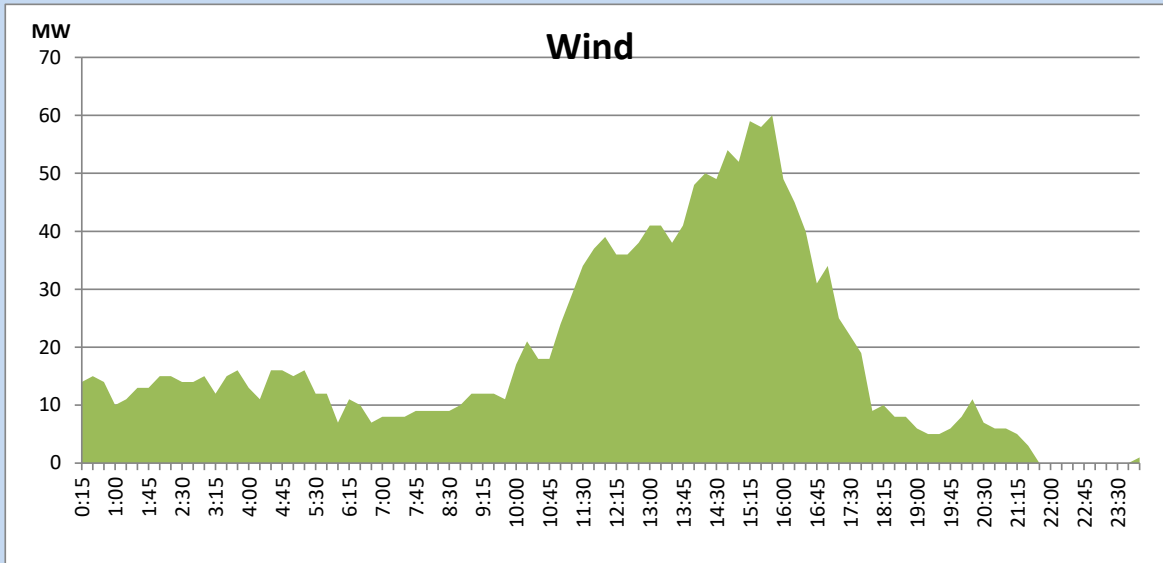
March 25, 2022



## Wind Generation during the Previous day

March 25, 2022

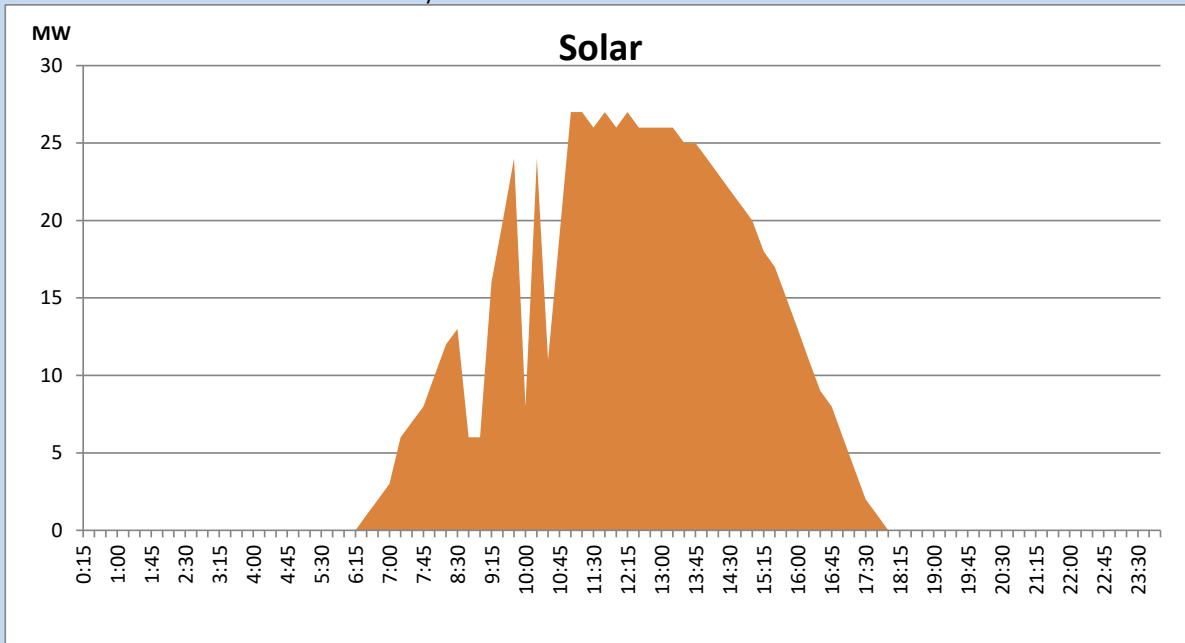
Based on Telemetered Power Stations only



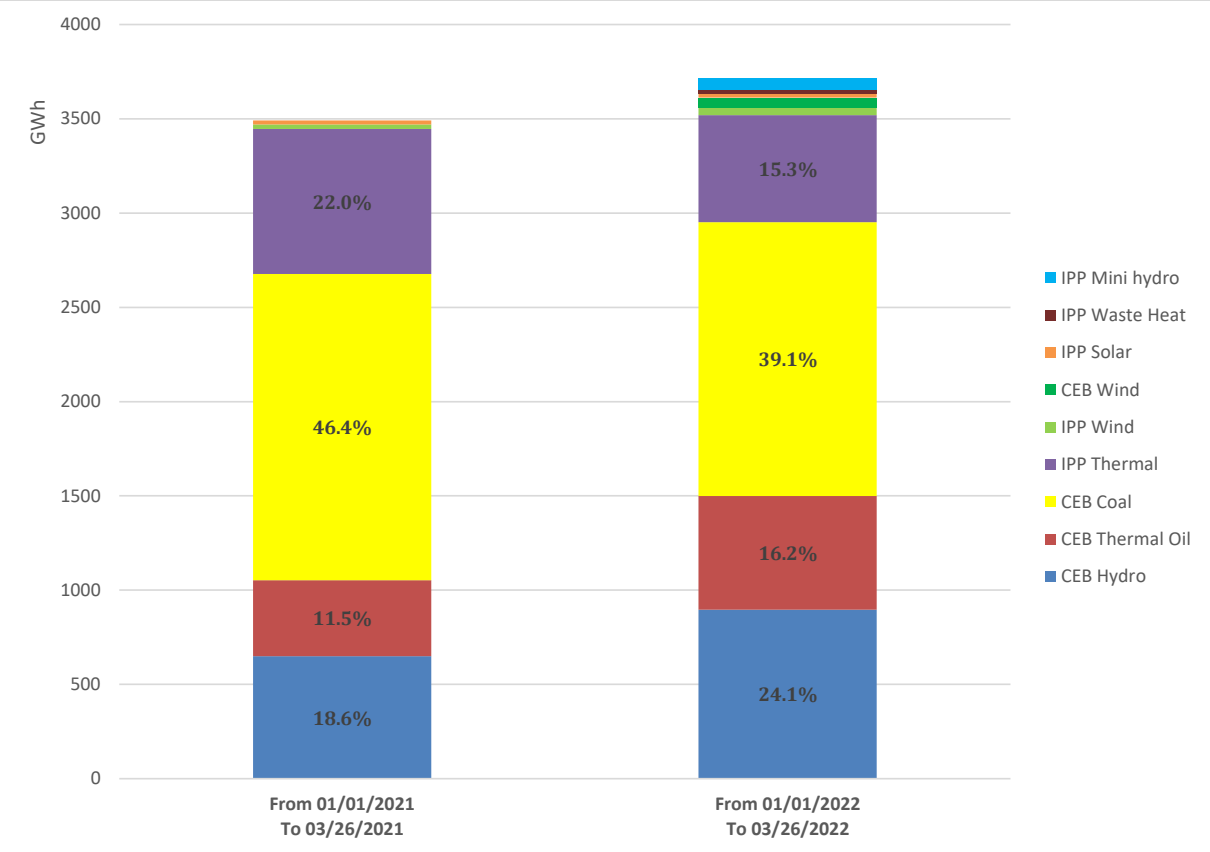
## Solar Generation during the Previous day

March 25, 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 27, 2022

- 1) Rotational manual load shedding was carried out from 08:00hrs to 23:00hrs.