

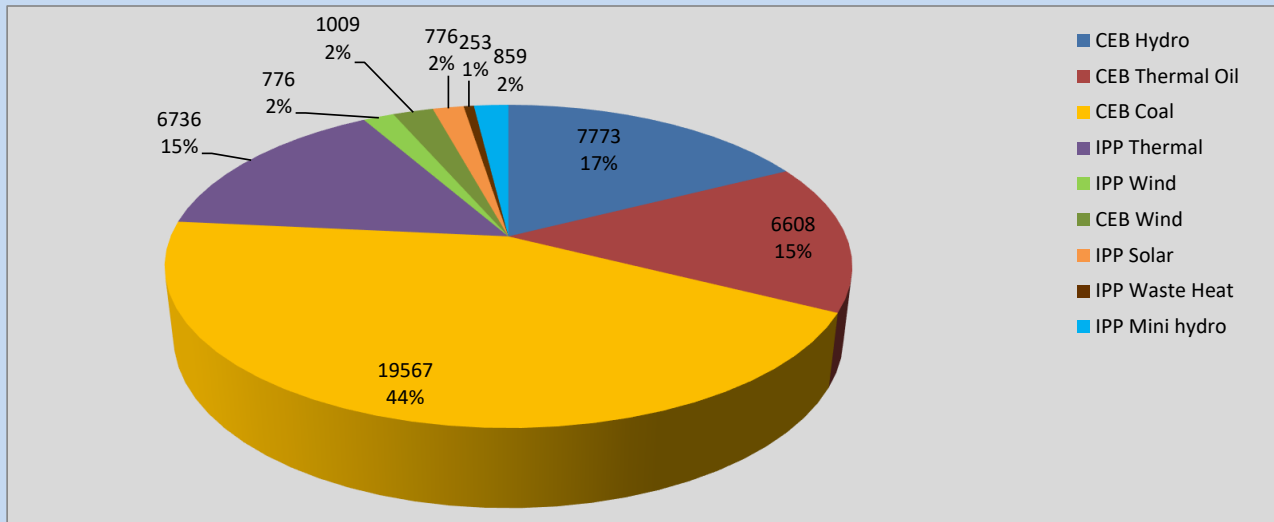
# Generation and Reservoirs Statistics

March 19, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation 43,902 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

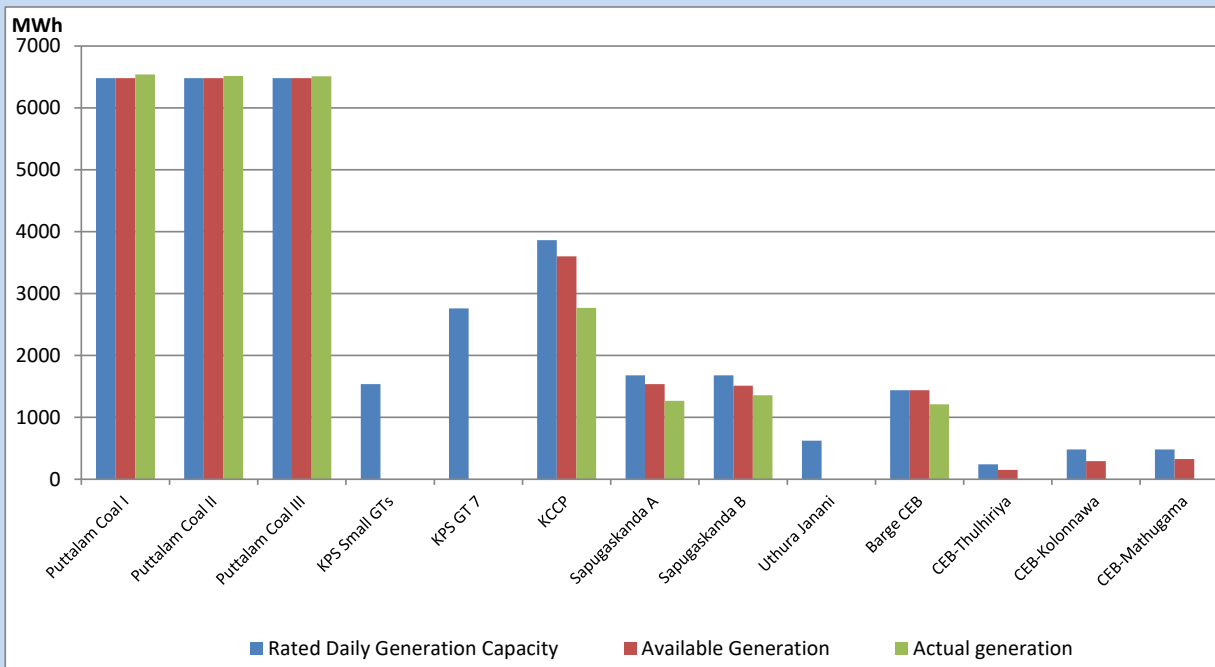
Category	Dispatch (GWh)	Percentage
CEB Hydro	155.73	18.68%
CEB Thermal Oil	127.35	15.27%
CEB Coal	372.30	44.65%
IPP Thermal	137.25	16.46%
SPP Wind	8.85	1.06%
CEB Wind	12.33	1.48%
SPP Solar	4.72	0.57%
SPP Solid Waste	4.40	0.53%
Mini Hydro	10.81	1.30%
<b>Total</b>	<b>833.74</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	833.6	24.54%
CEB Thermal Oil	539.6	15.88%
CEB Coal	1,315.9	38.74%
IPP Thermal	528.7	15.56%
SPP Wind	37.0	1.09%
CEB Wind	46.6	1.37%
SPP Solar	20.0	0.59%
SPP Solid Waste	15.5	0.46%
Mini Hydro	60.5	1.78%
<b>Total</b>	<b>3,397.0</b>	

## CEB owned Thermal Plant Dispatch

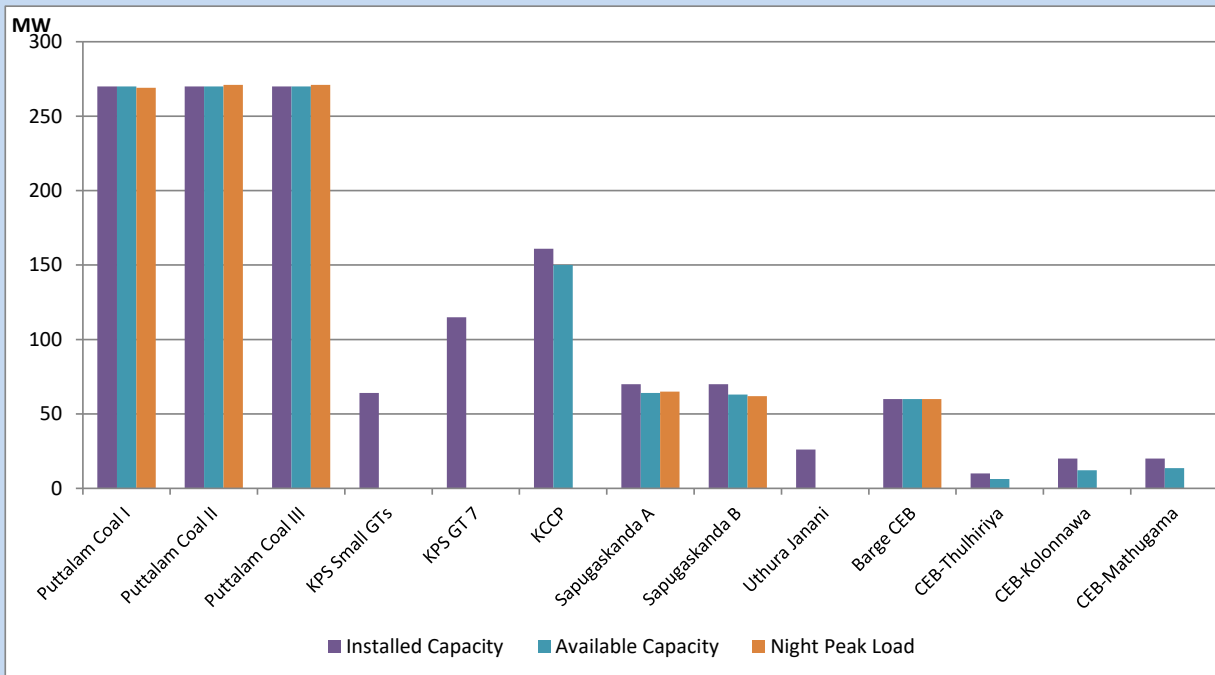
March 19, 2022



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

March 20, 2022

## CEB owned Thermal Plant Loading at the Night Peak



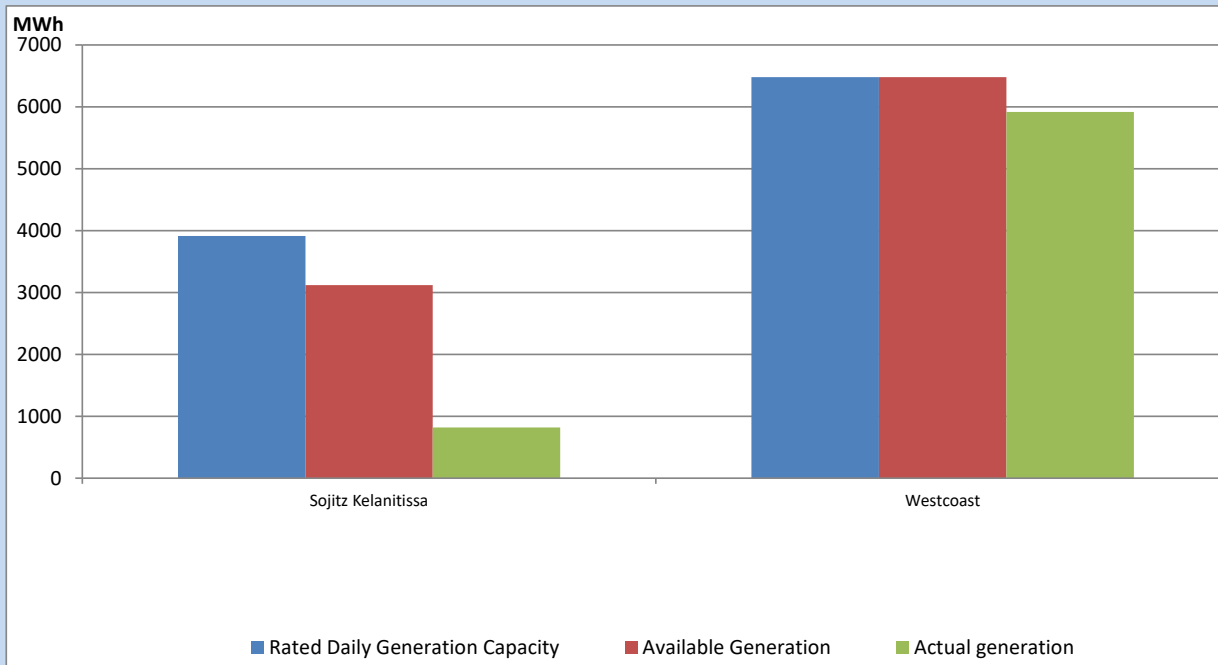
Note- Plant availability is recorded at 6.00 am on

March 20, 2022

## IPP owned Thermal Plant Dispatch

March 19, 2022

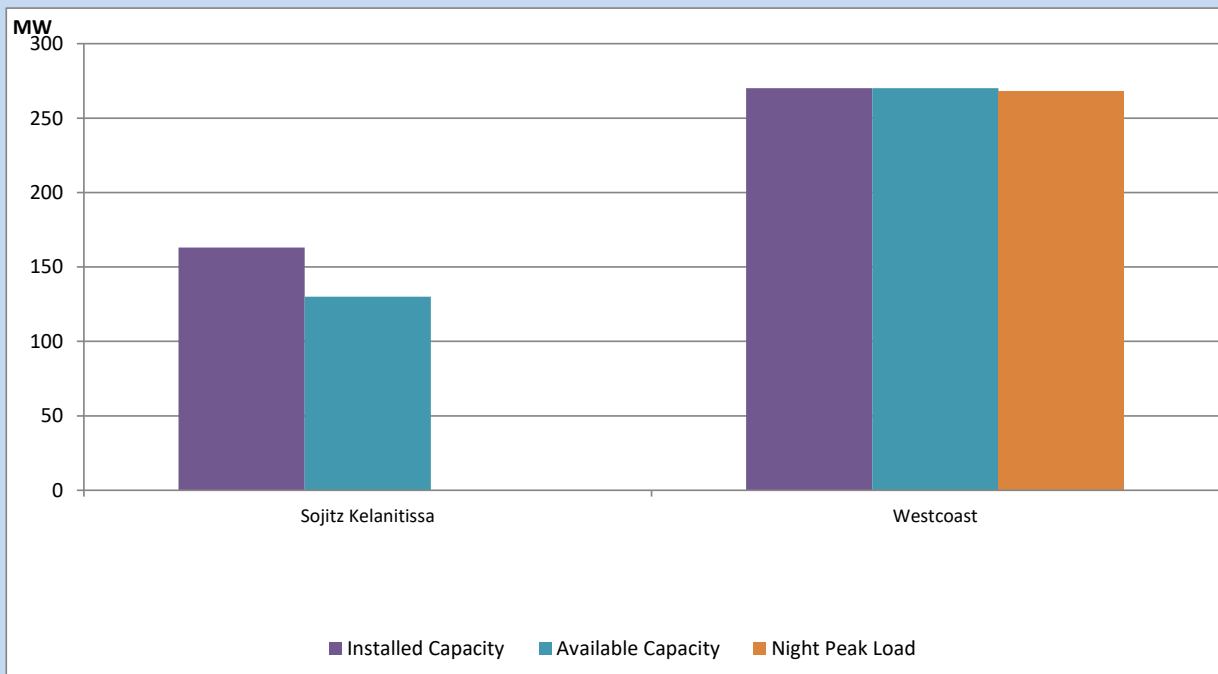
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 20, 2022

## IPP owned Thermal Plant Loading at the Night Peak

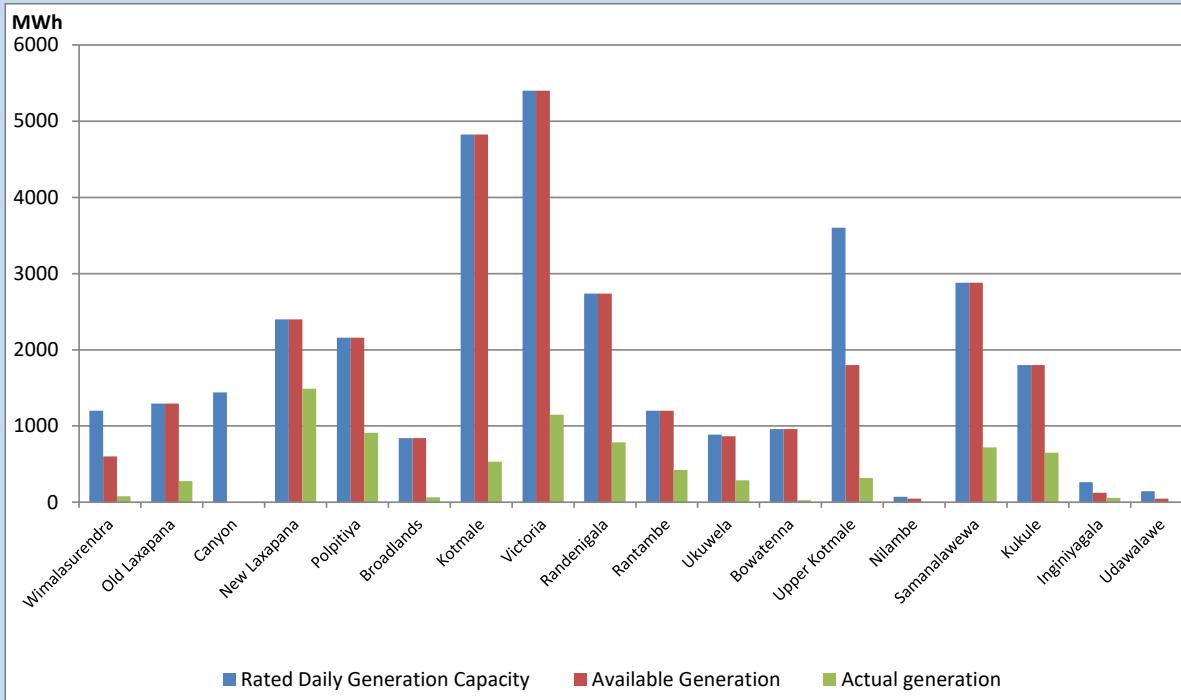


Note- Plant availability is recorded at 6.00 am on

March 20, 2022

## Major Hydro Plant Dispatch

March 19, 2022

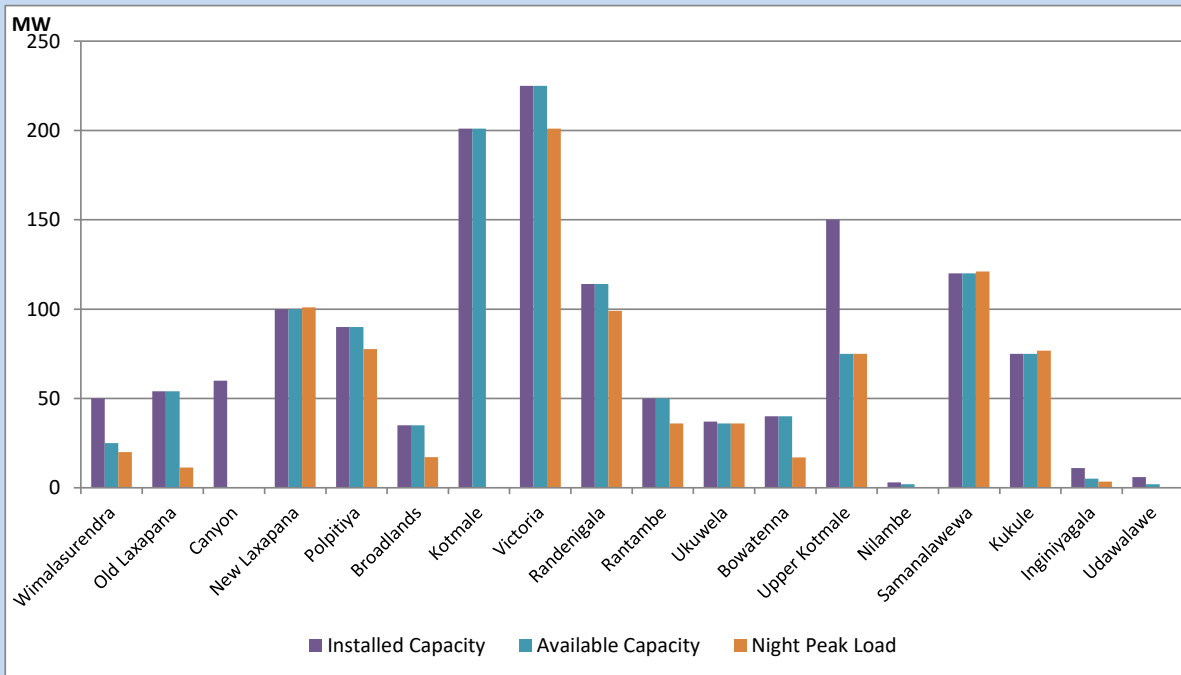


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 20, 2022

## Major Hydro Plant Loading at Night Peak

March 19, 2022



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

March 20, 2022

## Summary of Major Plant performance

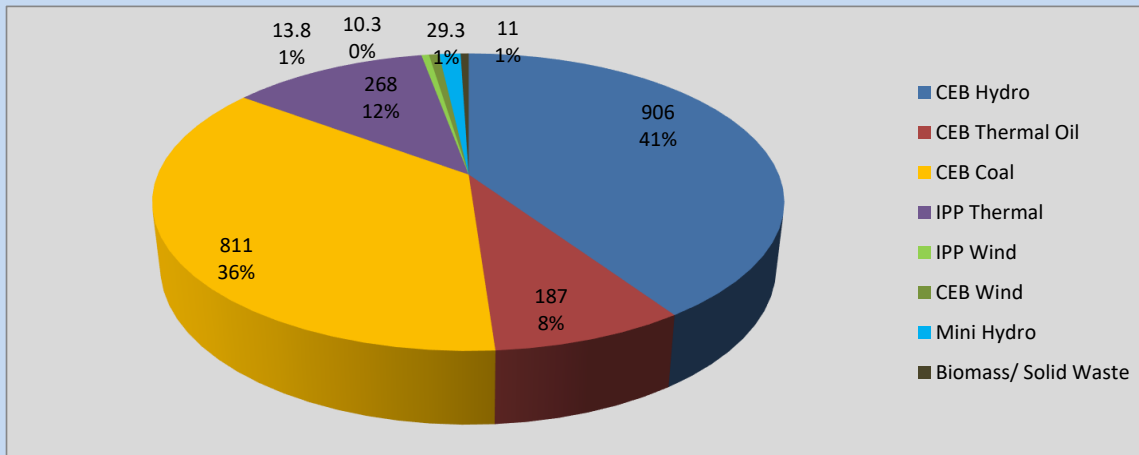
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	20	79
Old Laxapana	54	54	11	277
Canyon	60	0	0	0
New Laxapana	100	100	101	1,489
Polpitiya	90	90	78	911
Broadlands	35	35	17	65
Kotmale	201	201	0	530
Victoria	225	225	201	1,149
Randenigala	114	114	99	786
Rantambe	50	50	36	424
Ukuwela	37	36	36	287
Bowatenna	40	40	17	25
Upper Kotmale	150	75	75	319
Nilambe	3	2	0	5
Samanalawewa	120	120	121	721
Kukule	75	75	77	648
Inginiyagala	11	5	4	58
Udawalawe	6	2	0	0
Puttalam Coal I	270	270	269	6,540
Puttalam Coal II	270	270	271	6,514
Puttalam Coal III	270	270	271	6,513
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	150	0	2,769
Sapugaskanda A	70	64	65	1,267
Sapugaskanda B	70	63	62	1,356
Uthura Janani	26	0	0	0
Barge CEB	60	60	60	1,212
CEB-Thulhiriya	10	6	0	4
CEB-Kolonnawa	20	12	0	0
CEB-Mathugama	20	14	0	0
Sojitz Kelanitissa	163	130	0	819
West Coast	270	270	268	5,917
<b>Total</b>	<b>3,280</b>	<b>2,828</b>	<b>2,223</b>	<b>43,902</b>

Plant availability is the availability recorded at 6 am on

March 20, 2022

## Contribution to the Night Peak in MW

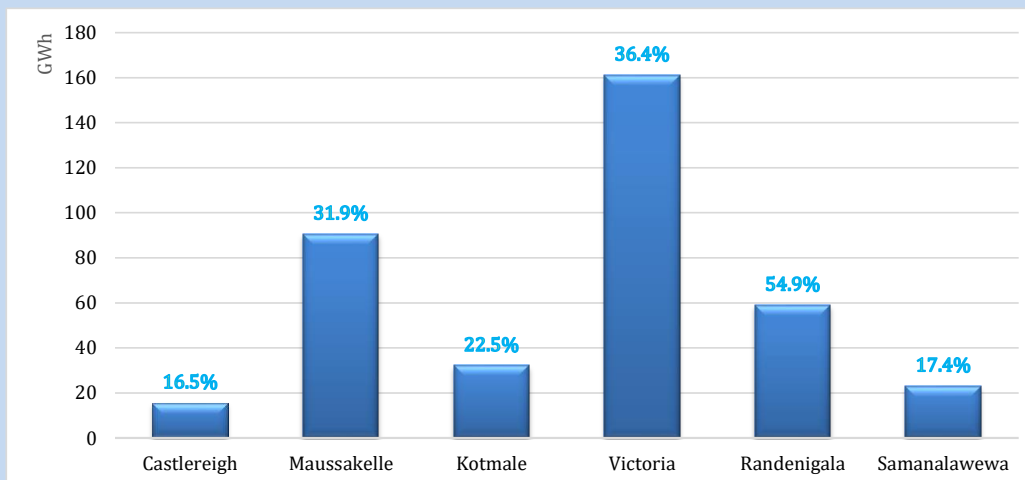
March 19, 2022



Night Peak*	2,236.8 MW
Day Peak	1,874.8 MW
Minimum Demand	1,492.9 MW

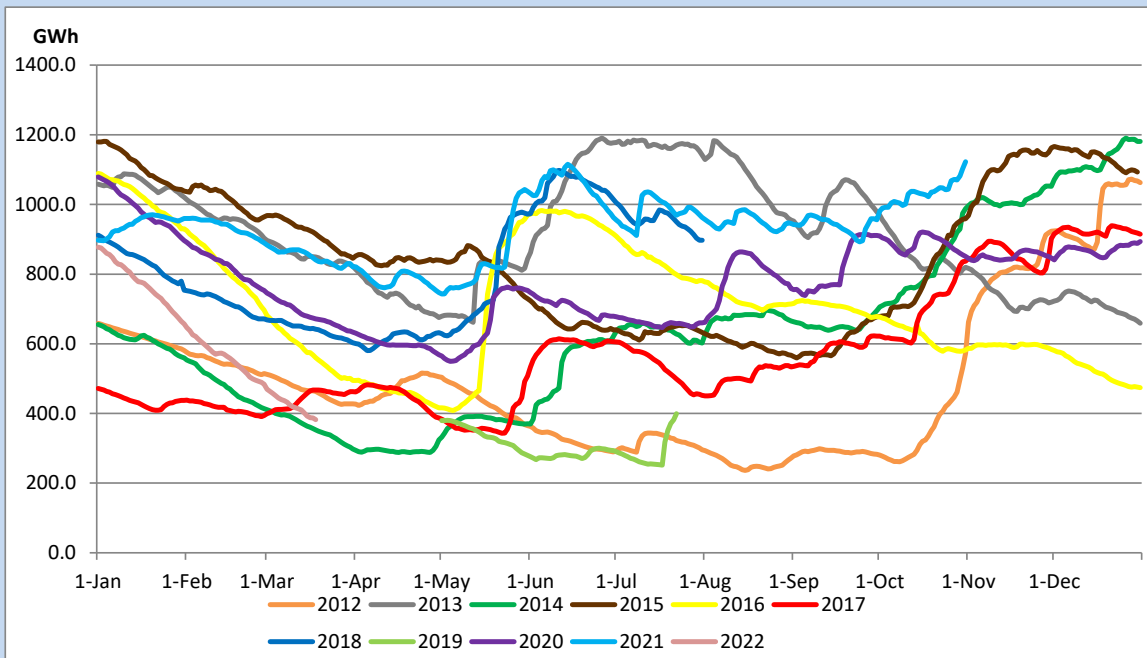
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on March 20, 2022



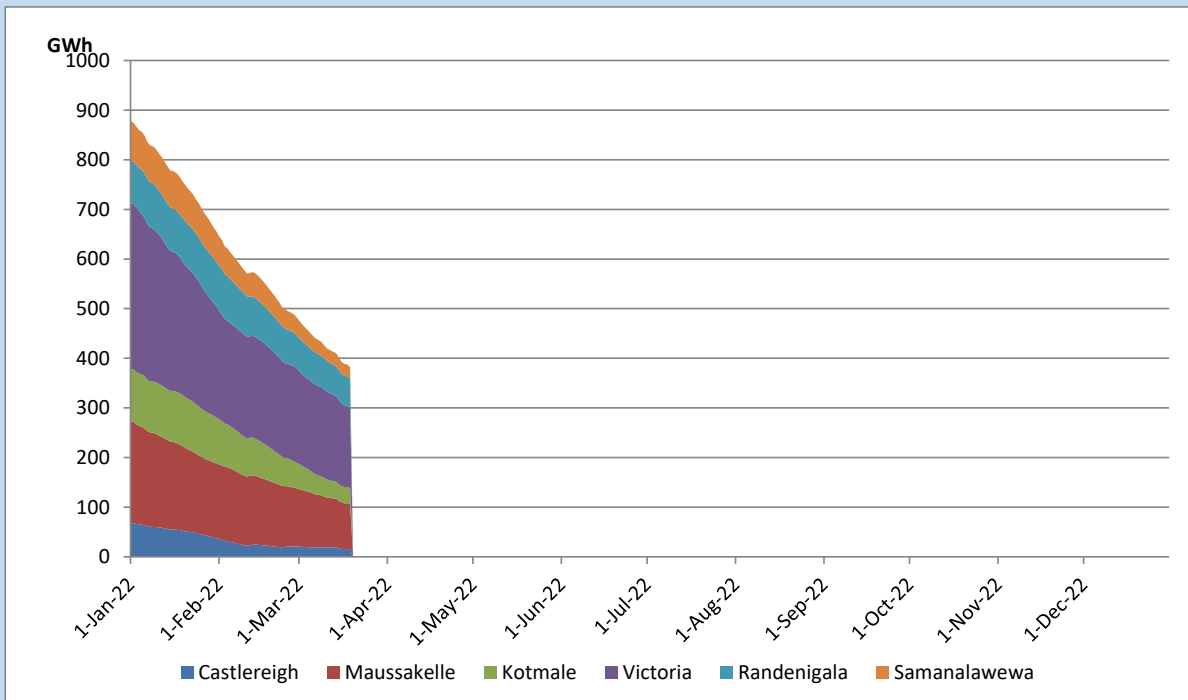
Total Reservoir Level	382.2 GWh
% of Total capacity	29.9%

## Comparison of Total Reservoir Storage Levels with Past Years



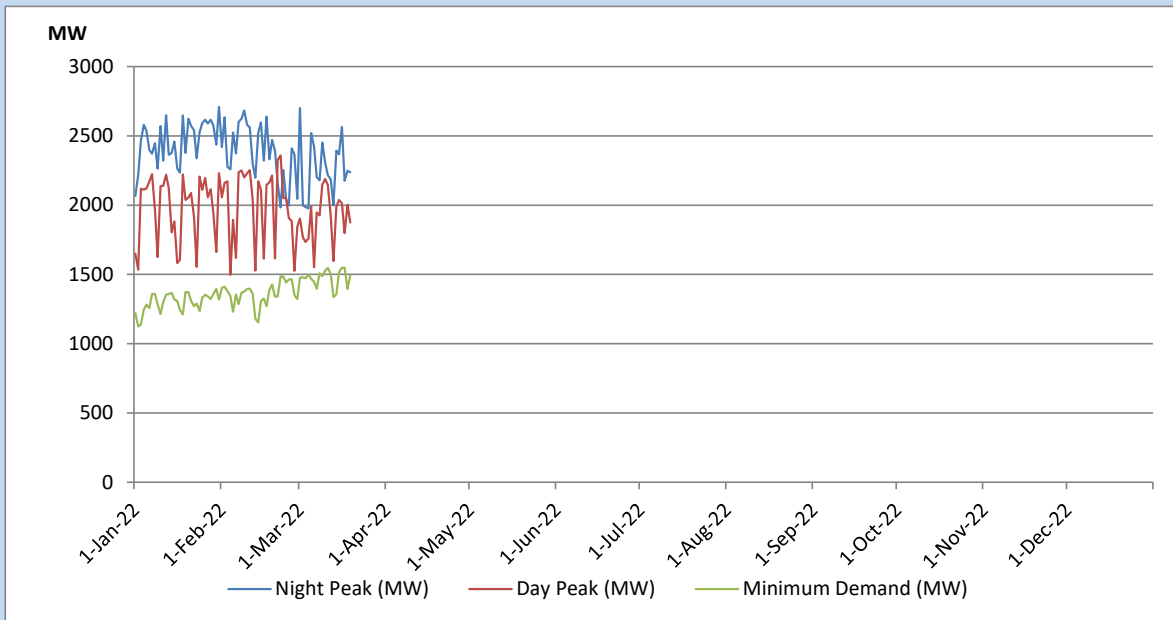
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

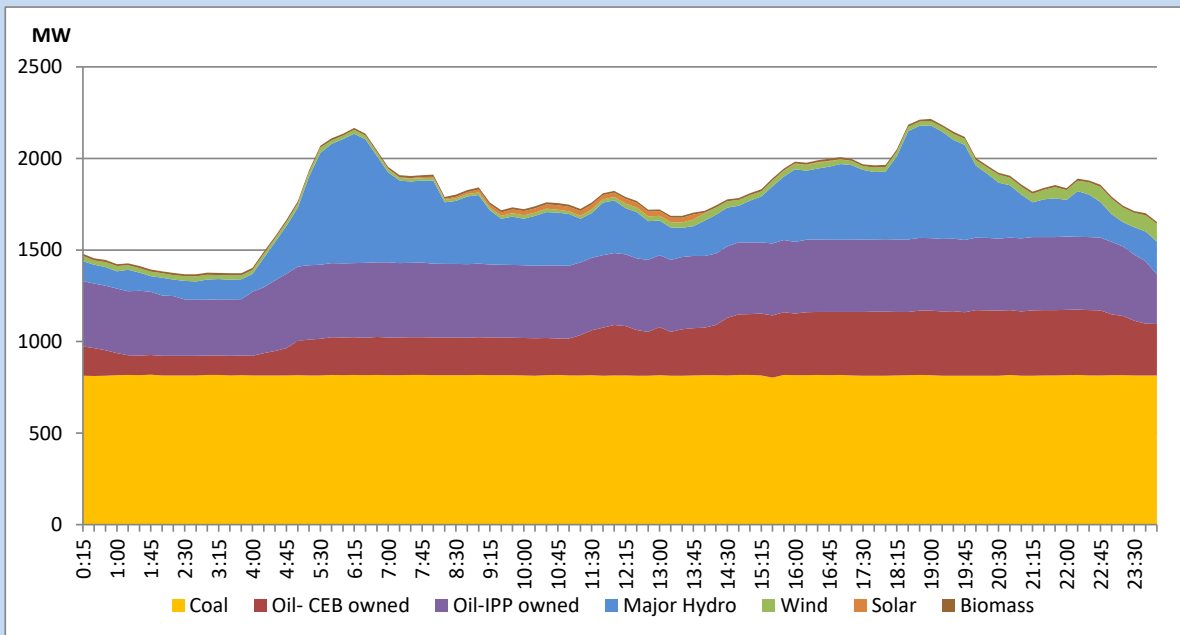


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

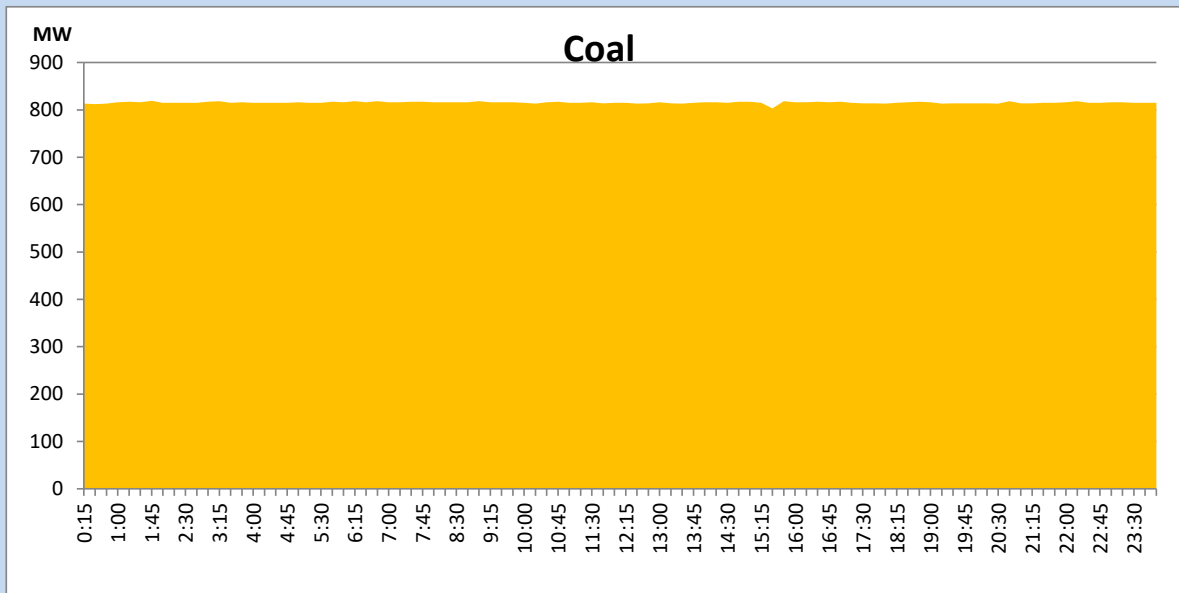
March 18, 2022

Solar and wind data is based on Telemetered Power Stations only



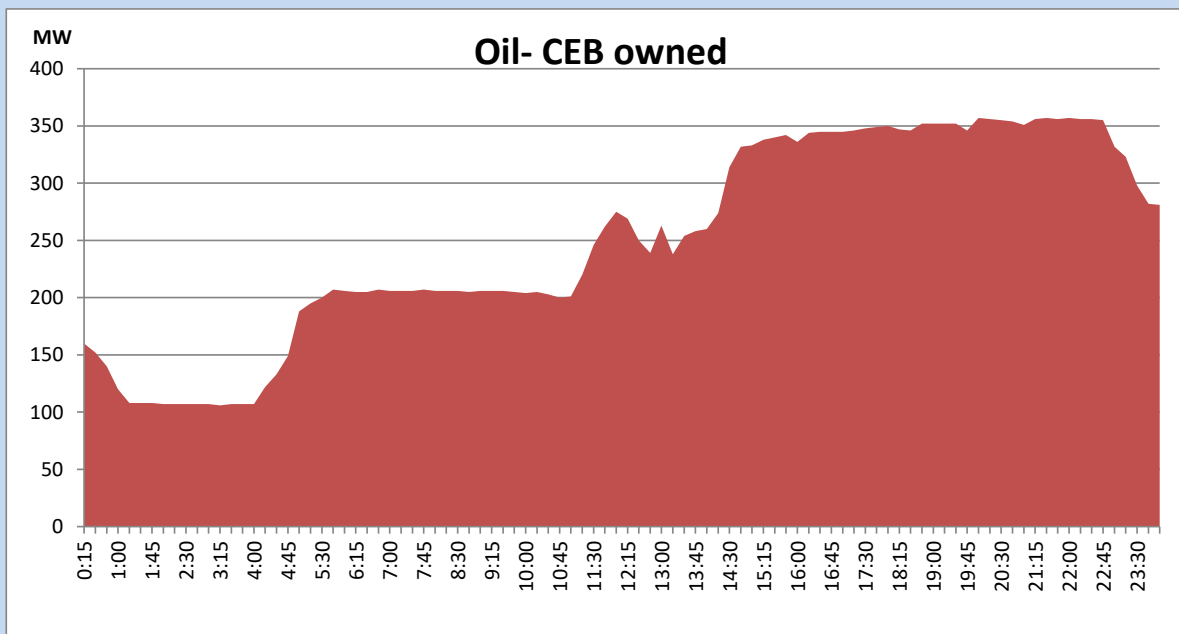
## Coal Generation during the Previous day

March 18, 2022



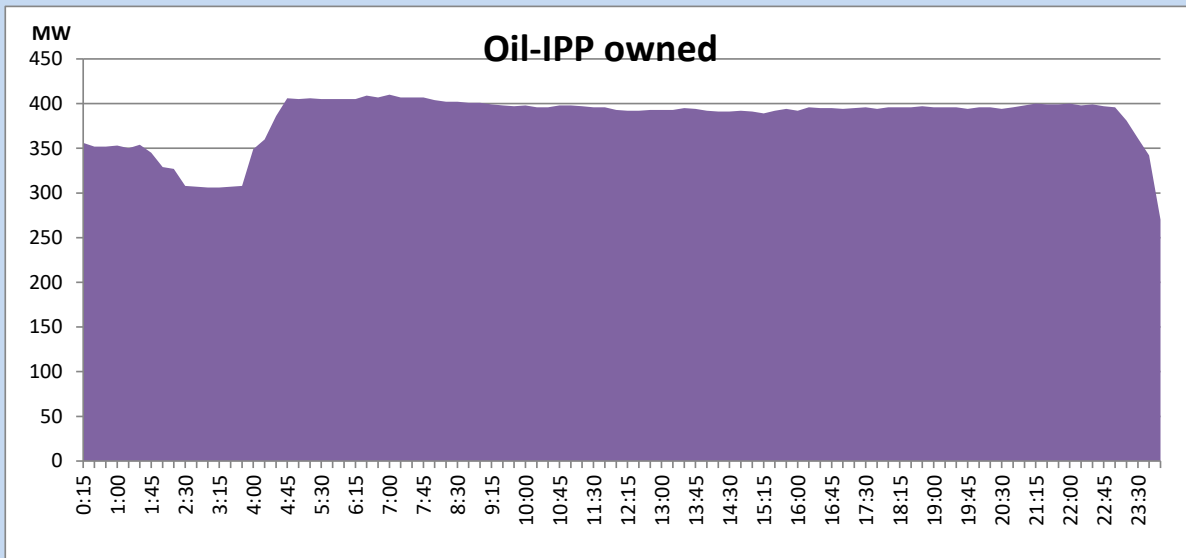
## CEB Oil Plant Generation during the Previous day

March 18, 2022



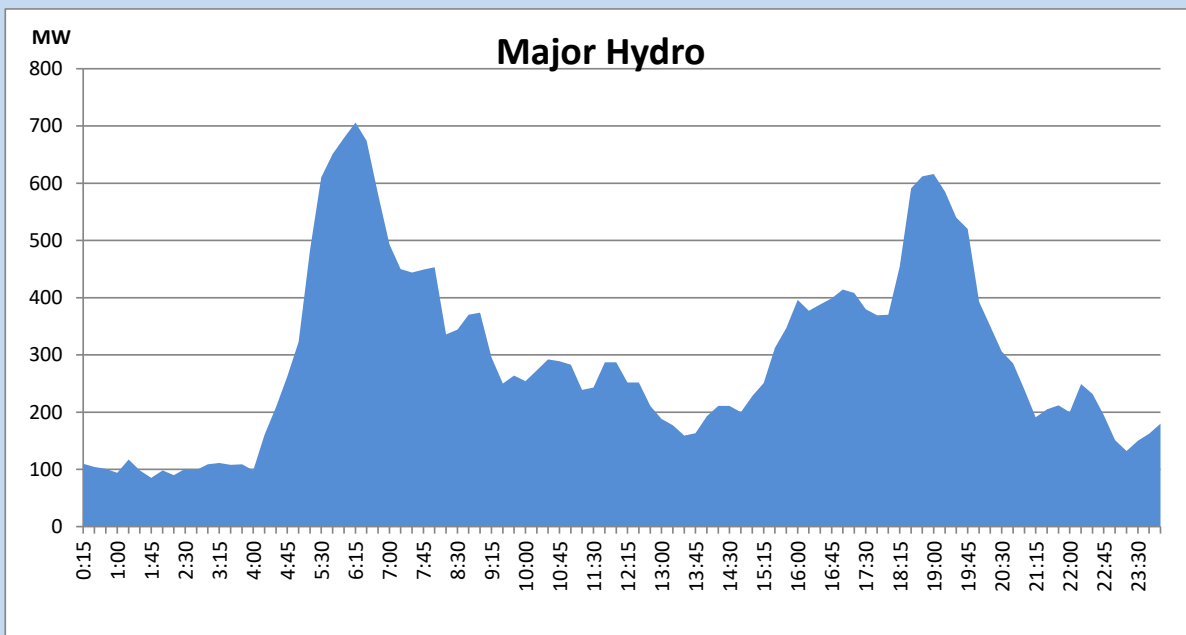
## IPP Oil Plant Generation during the Previous day

March 18, 2022



## Major Hydro Generation during the Previous day

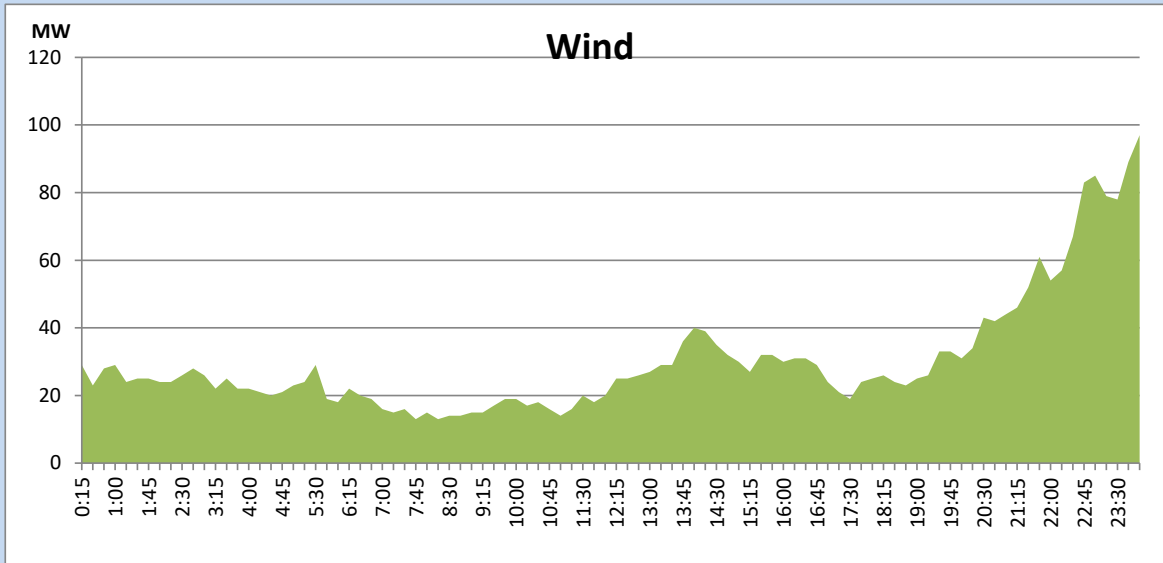
March 18, 2022



## Wind Generation during the Previous day

March 18, 2022

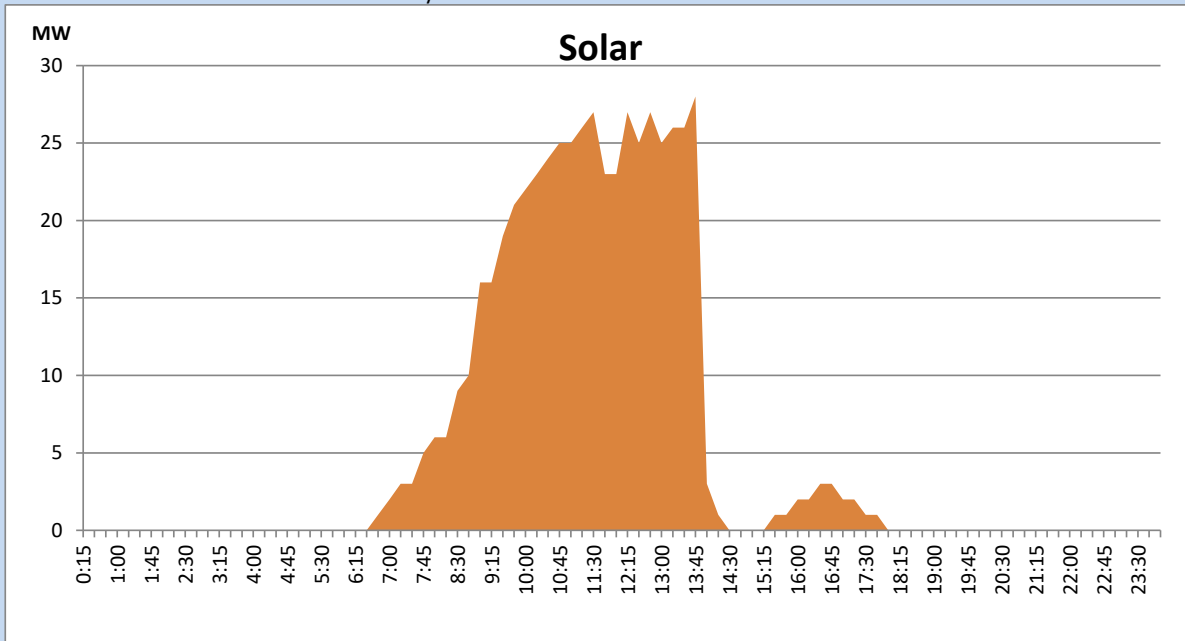
Based on Telemetered Power Stations only



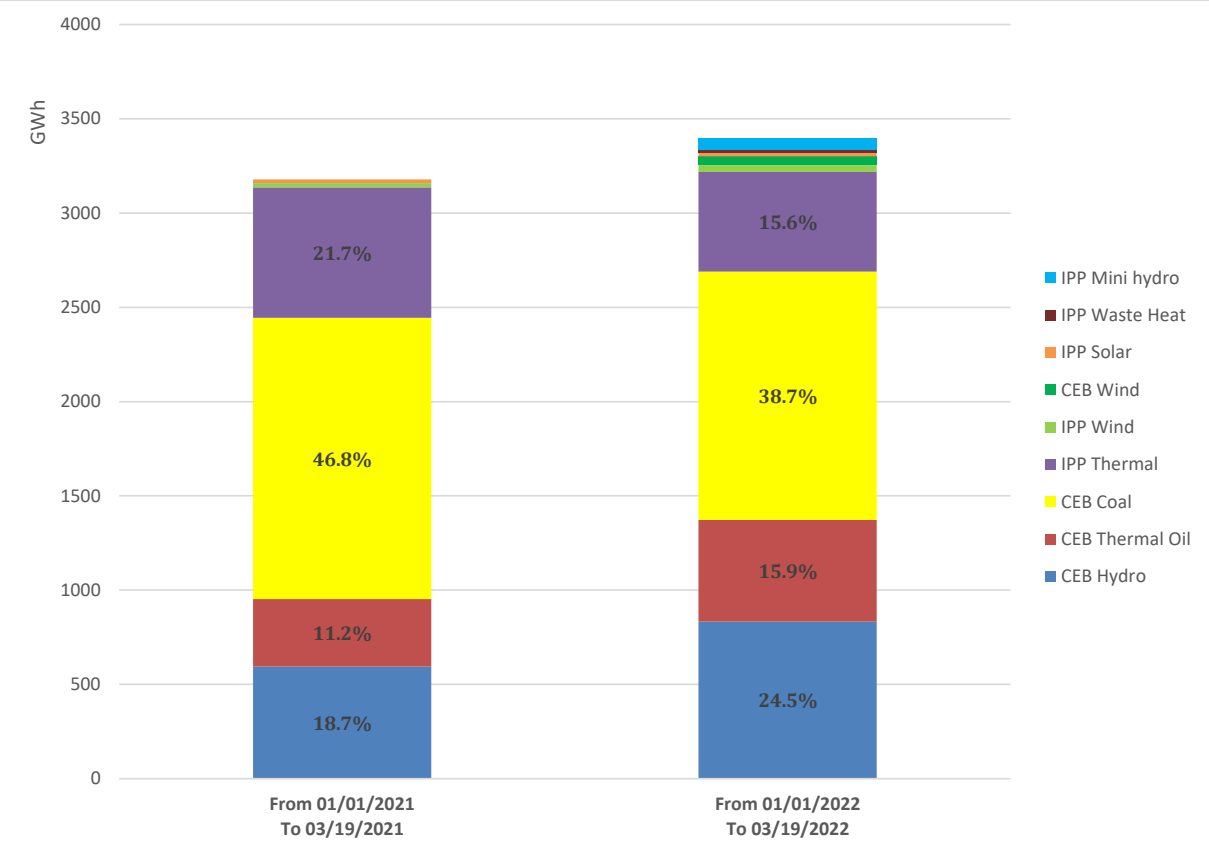
## Solar Generation during the Previous day

March 18, 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 20, 2022

- 1) Rotational manual load shedding was carried out from 08:00hrs to 23:00hrs.
- 2) Sojitz performed a forced shutdown at 12:01hrs due to lack of fuel.
- 3) KCCP performed a forced shutdown at 18:55hrs due to lack of fuel.