

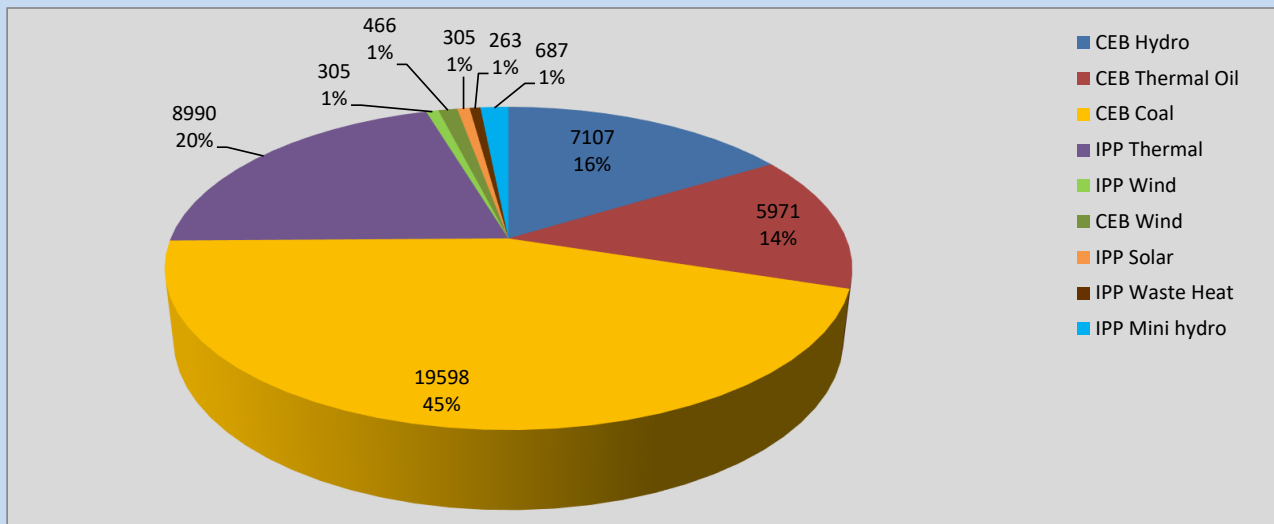
# Generation and Reservoirs Statistics

March 18, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **43,582 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

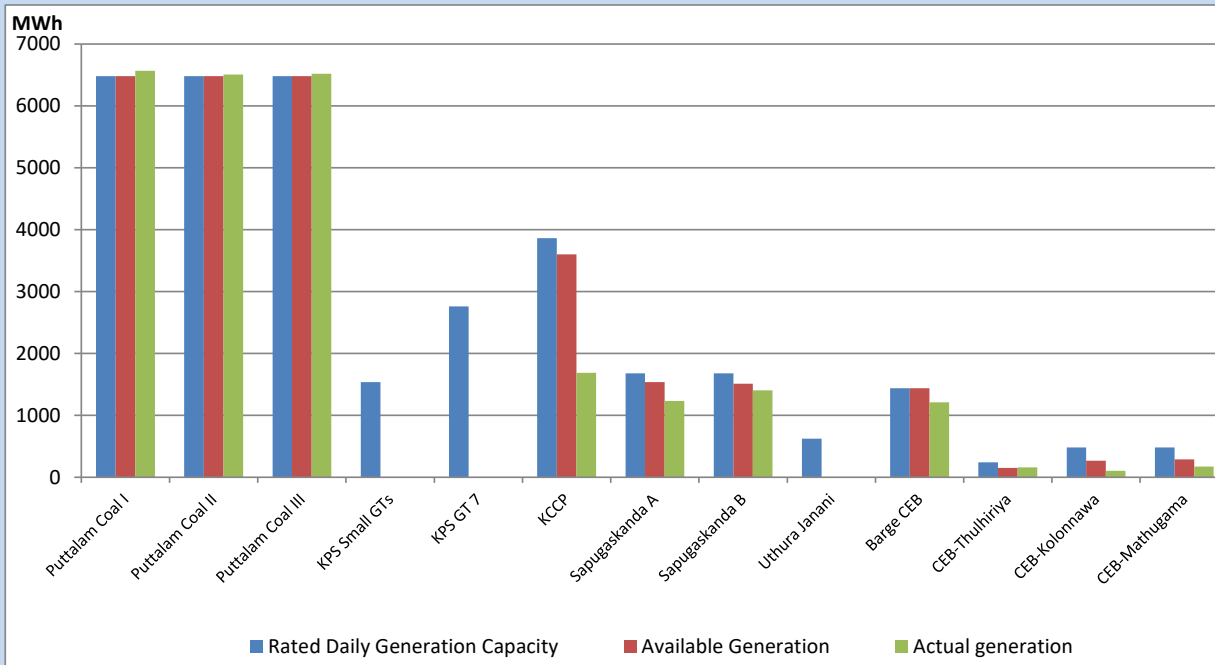
Category	Dispatch (GWh)	Percentage
CEB Hydro	147.96	18.73%
CEB Thermal Oil	120.74	15.29%
CEB Coal	352.73	44.66%
IPP Thermal	130.51	16.52%
SPP Wind	8.07	1.02%
CEB Wind	11.32	1.43%
SPP Solar	4.40	0.56%
SPP Solid Waste	4.15	0.53%
Mini Hydro	9.95	1.26%
<b>Total</b>	<b>789.83</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	825.8	24.63%
CEB Thermal Oil	533.0	15.89%
CEB Coal	1,296.3	38.66%
IPP Thermal	521.9	15.57%
SPP Wind	36.2	1.08%
CEB Wind	45.6	1.36%
SPP Solar	19.7	0.59%
SPP Solid Waste	15.3	0.45%
Mini Hydro	59.7	1.78%
<b>Total</b>	<b>3,353.1</b>	

## CEB owned Thermal Plant Dispatch

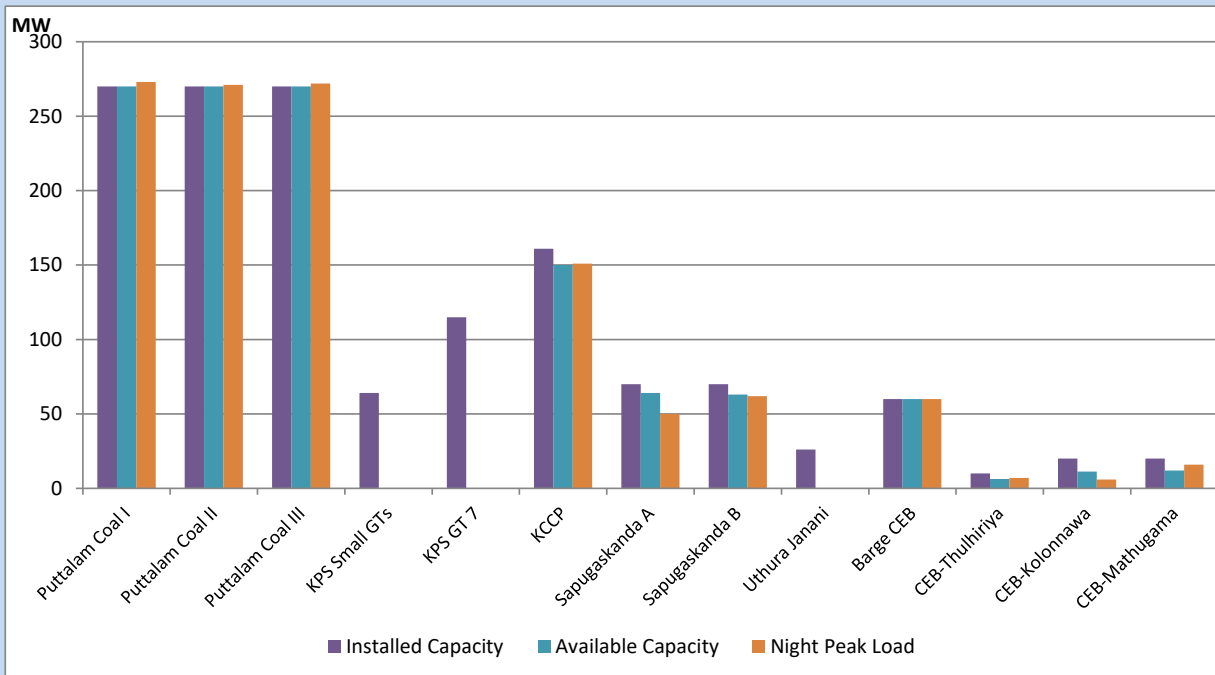
March 18, 2022



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

March 19, 2022

## CEB owned Thermal Plant Loading at the Night Peak



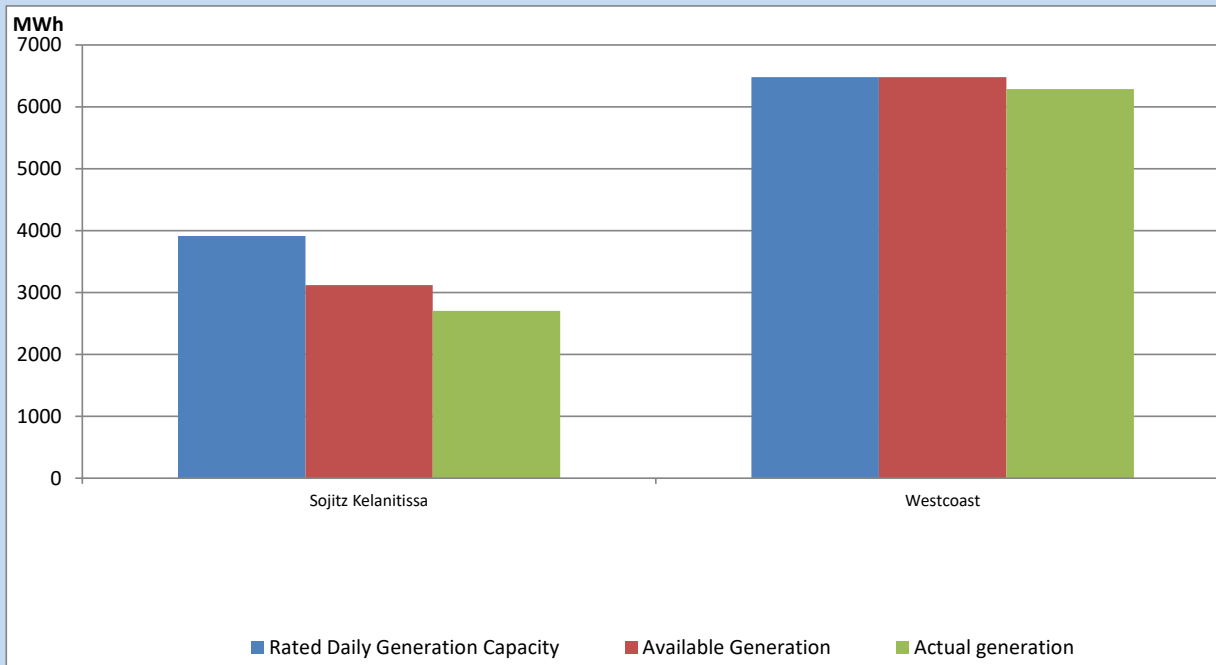
Note- Plant availability is recorded at 6.00 am on

March 19, 2022

## IPP owned Thermal Plant Dispatch

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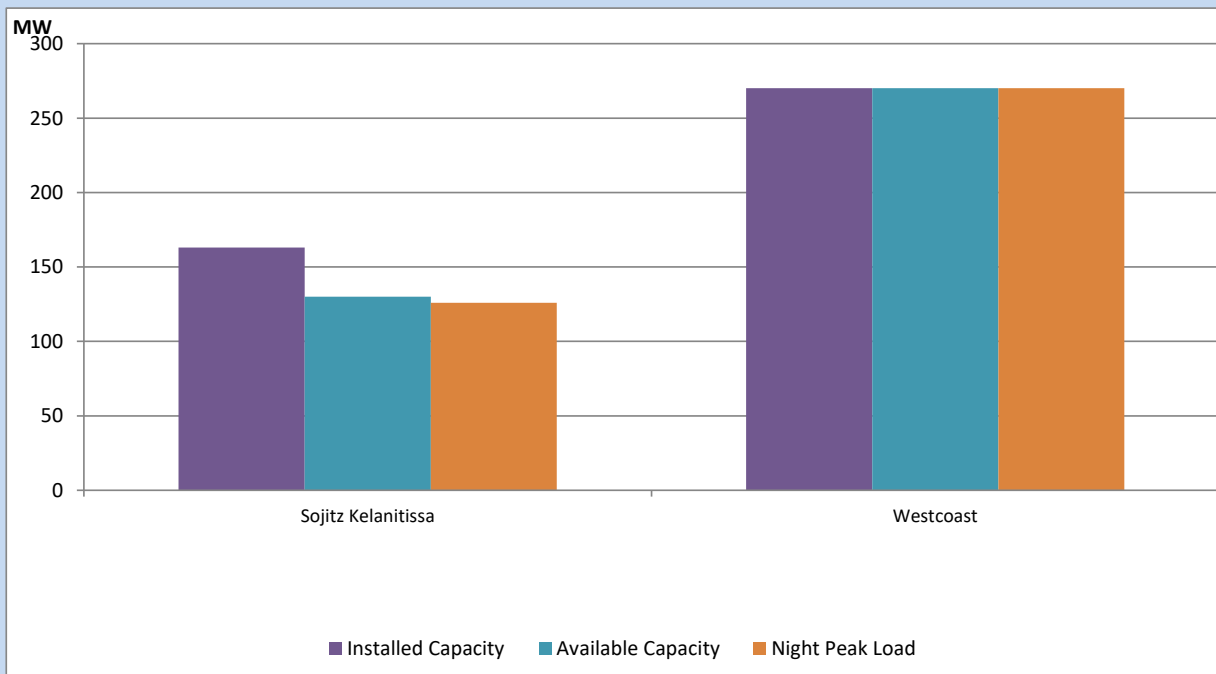
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 19, 2022

## IPP owned Thermal Plant Loading at the Night Peak

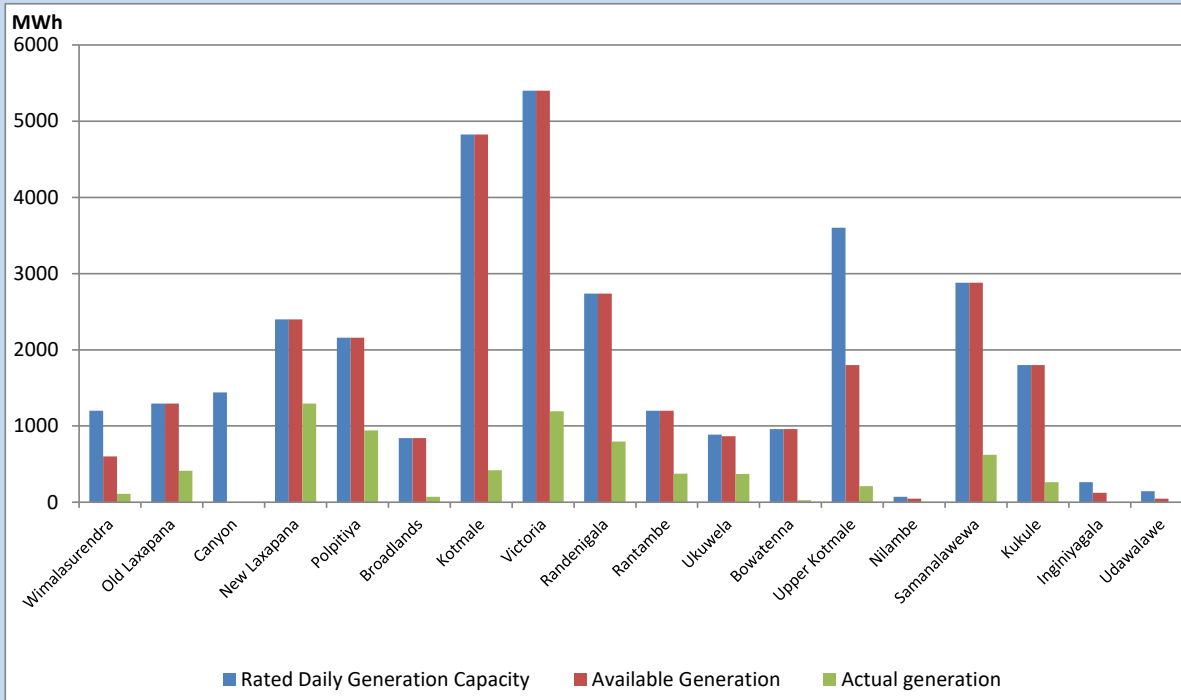


Note- Plant availability is recorded at 6.00 am on

March 19, 2022

## Major Hydro Plant Dispatch

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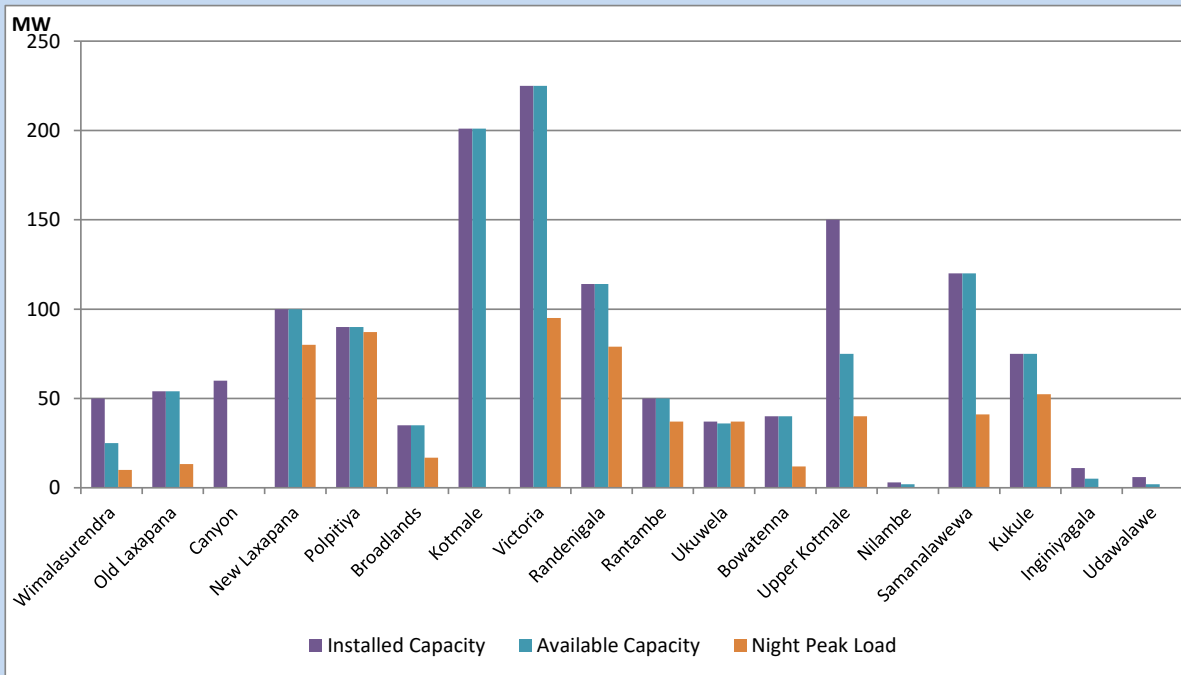


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 19, 2022

## Major Hydro Plant Loading at Night Peak

March 18, 2022



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

March 19, 2022

## Summary of Major Plant performance

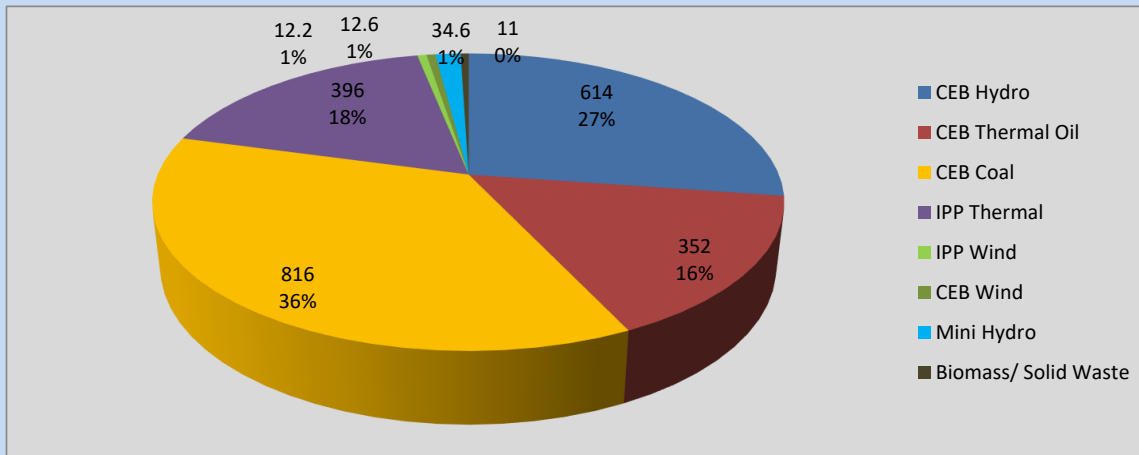
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	110
Old Laxapana	54	54	13	411
Canyon	60	0	0	0
New Laxapana	100	100	80	1,293
Polpitiya	90	90	87	944
Broadlands	35	35	17	70
Kotmale	201	201	0	420
Victoria	225	225	95	1,194
Randenigala	114	114	79	795
Rantambe	50	50	37	375
Ukuwela	37	36	37	371
Bowatenna	40	40	12	25
Upper Kotmale	150	75	40	211
Nilambe	3	2	0	3
Samanalawewa	120	120	41	623
Kukule	75	75	52	262
Inginiyagala	11	5	0	0
Udawalawe	6	2	0	0
Puttalam Coal I	270	270	273	6,569
Puttalam Coal II	270	270	271	6,509
Puttalam Coal III	270	270	272	6,520
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	150	151	1,686
Sapugaskanda A	70	64	50	1,232
Sapugaskanda B	70	63	62	1,404
Uthura Janani	26	0	0	0
Barge CEB	60	60	60	1,212
CEB-Thulhiriya	10	6	7	158
CEB-Kolonnawa	20	11	6	105
CEB-Mathugama	20	12	16	174
Sojitz Kelanitissa	163	130	126	2,703
West Coast	270	270	270	6,287
<b>Total</b>	<b>3,280</b>	<b>2,826</b>	<b>2,235</b>	<b>43,582</b>

Plant availability is the availability recorded at 6 am on

March 19, 2022

## Contribution to the Night Peak in MW

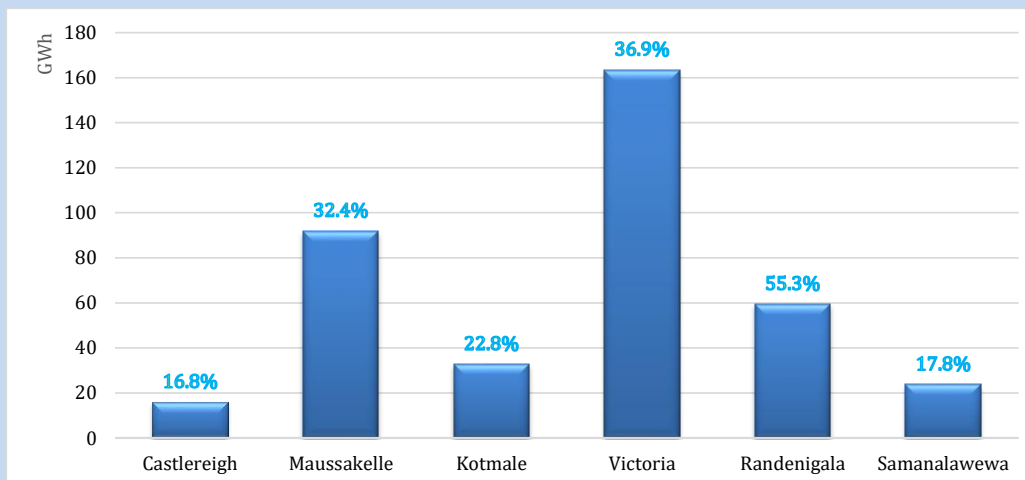
March 18, 2022



Night Peak*	2,248.2 MW
Day Peak	2,003.7 MW
Minimum Demand	1,395.5 MW

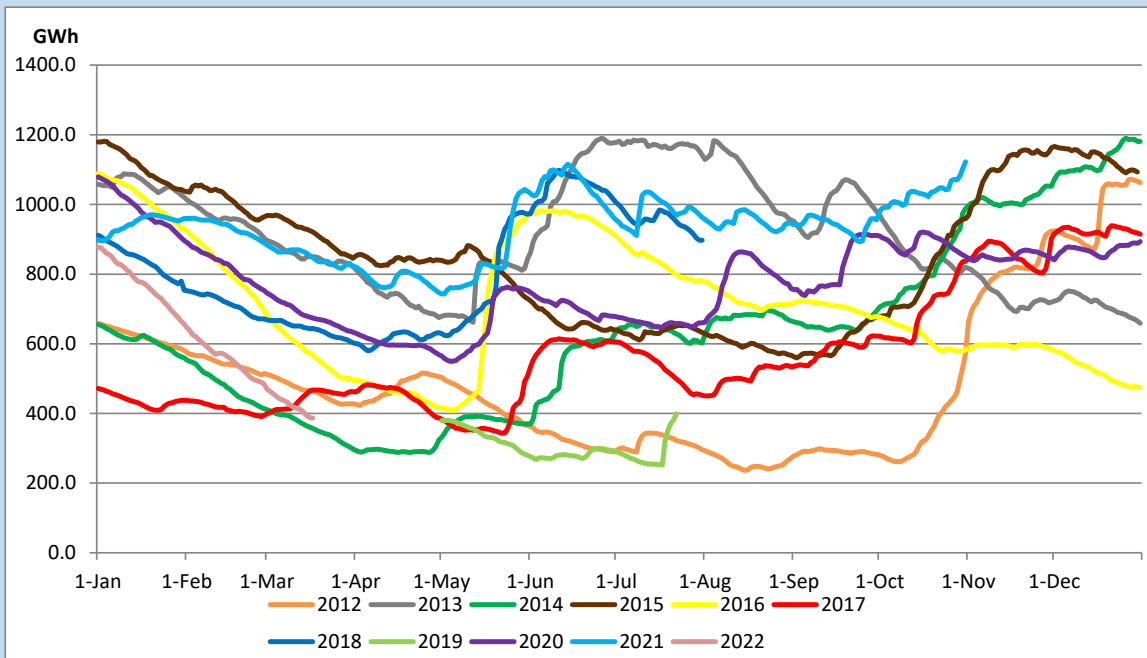
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on March 19, 2022



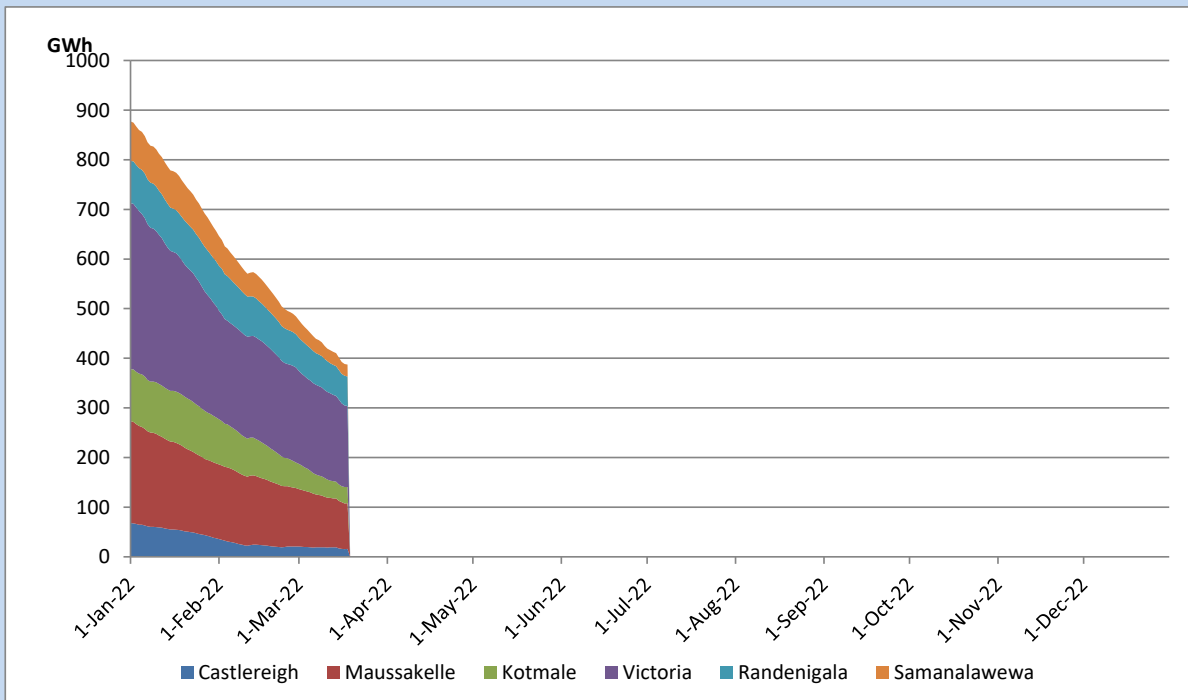
Total Reservoir Level	387.1 GWh
% of Total capacity	30.3%

## Comparison of Total Reservoir Storage Levels with Past Years



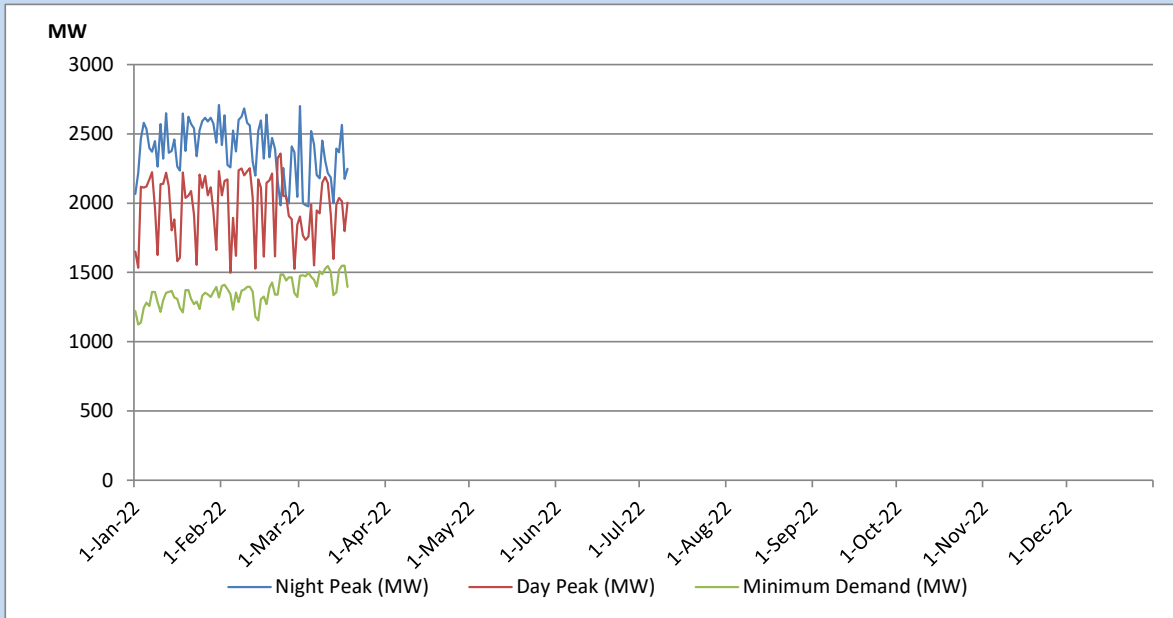
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

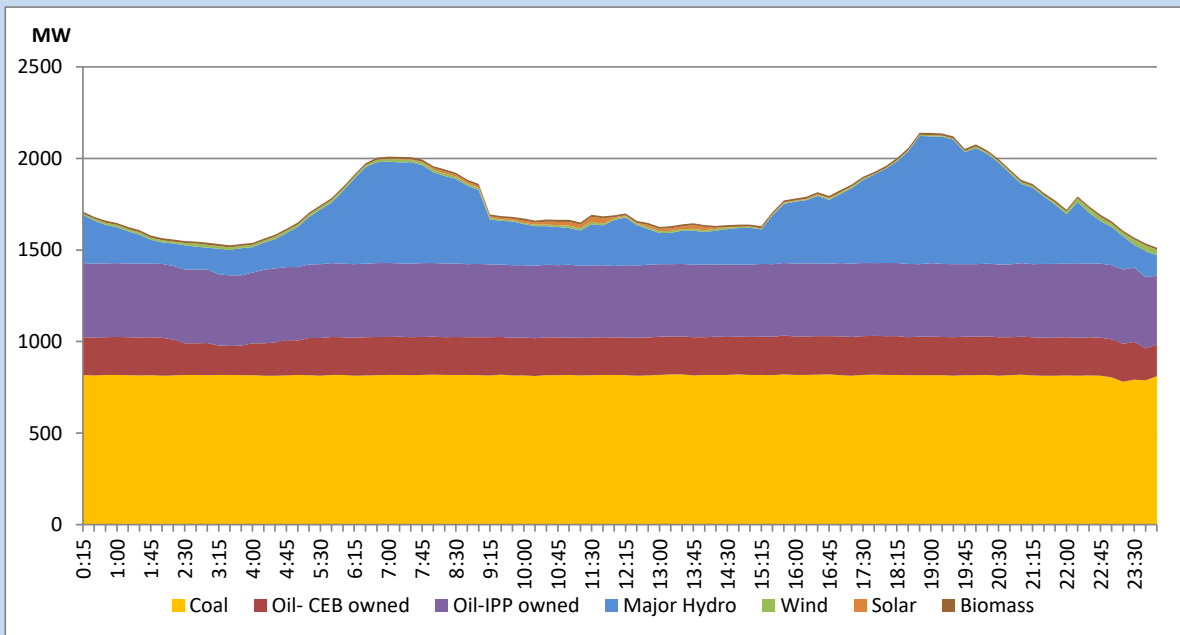


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

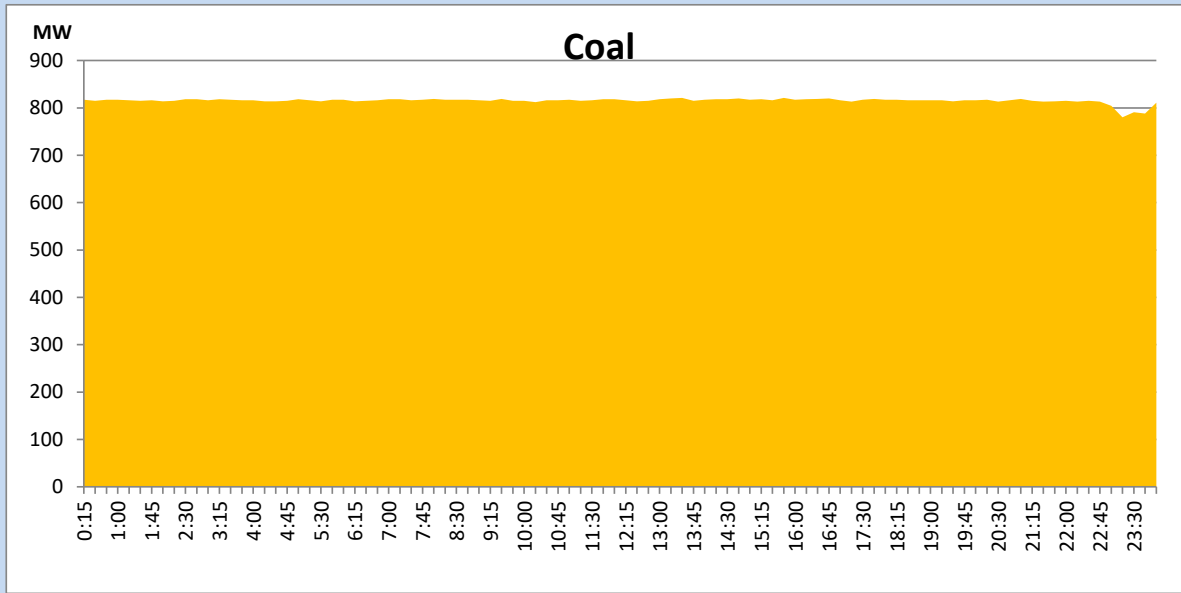
March 17, 2022

Solar and wind data is based on Telemetered Power Stations only



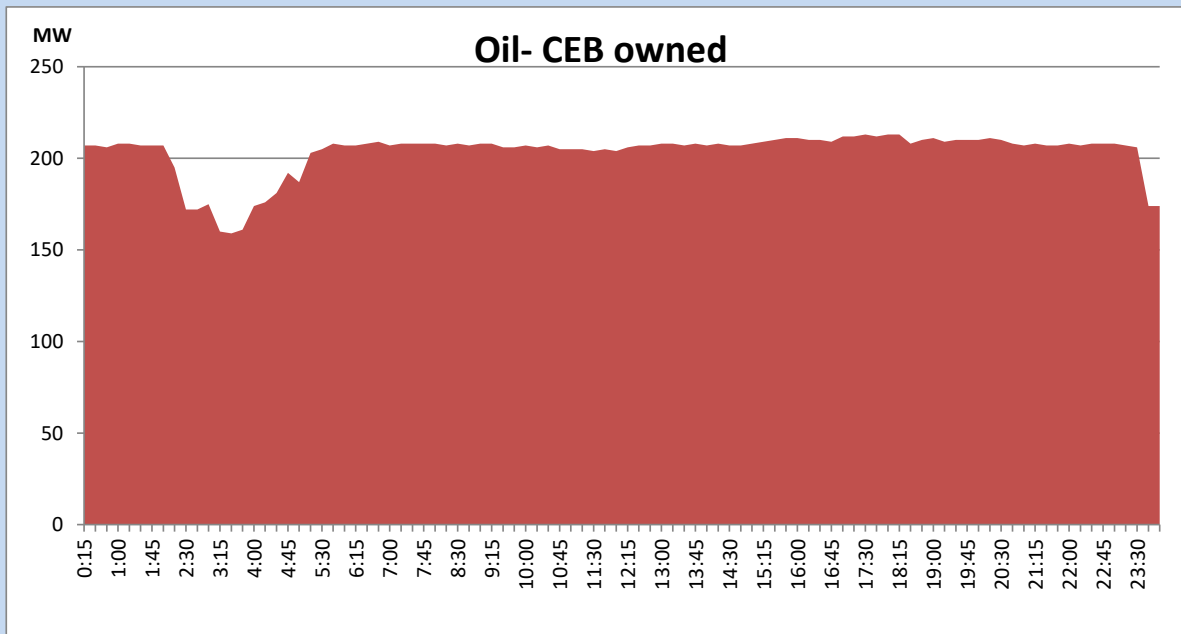
## Coal Generation during the Previous day

March 17, 2022



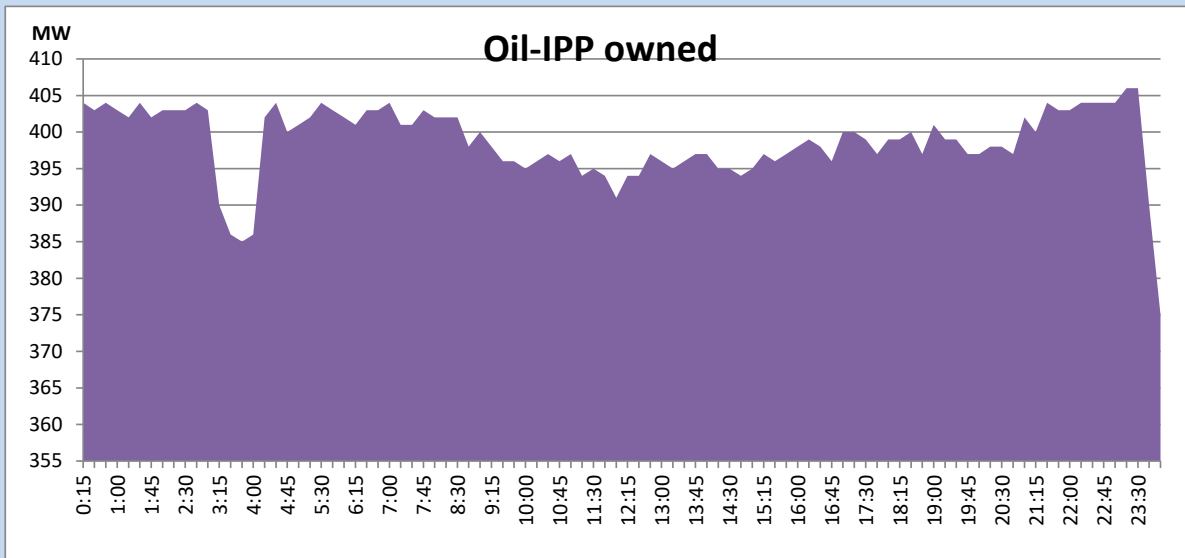
## CEB Oil Plant Generation during the Previous day

March 17, 2022



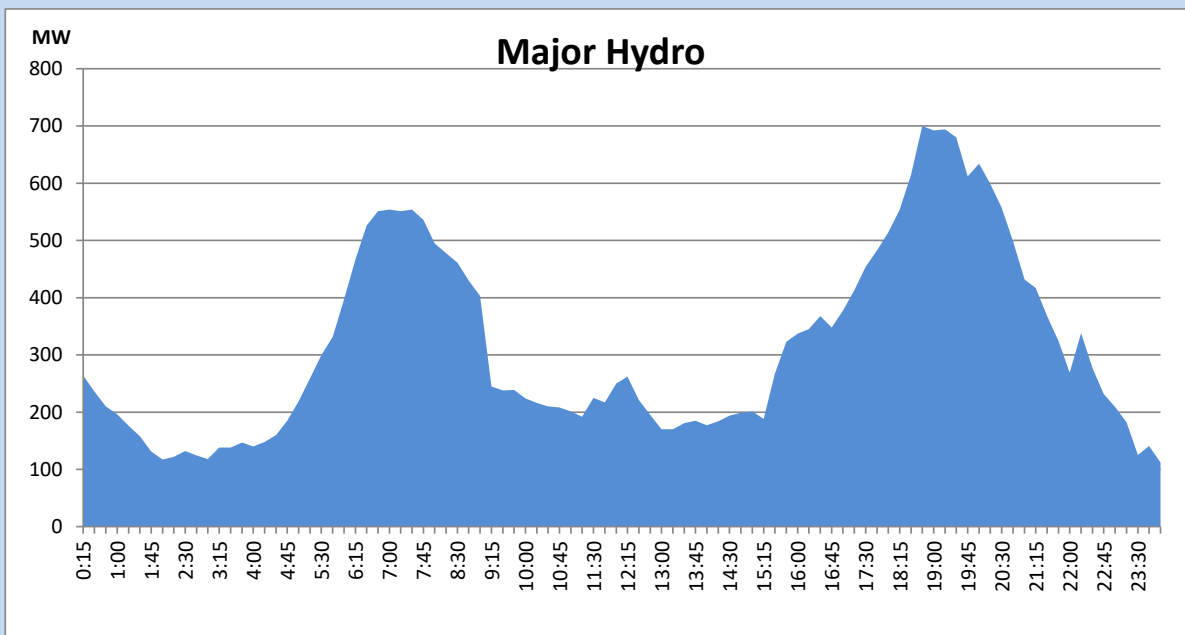
## IPP Oil Plant Generation during the Previous day

March 17, 2022



## Major Hydro Generation during the Previous day

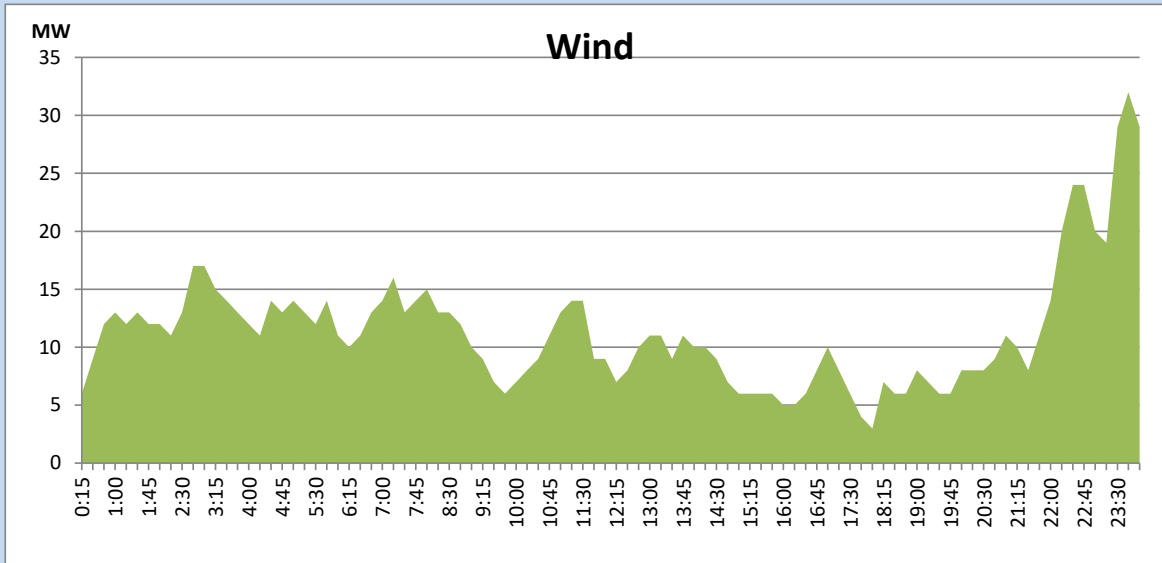
March 17, 2022



## Wind Generation during the Previous day

March 17, 2022

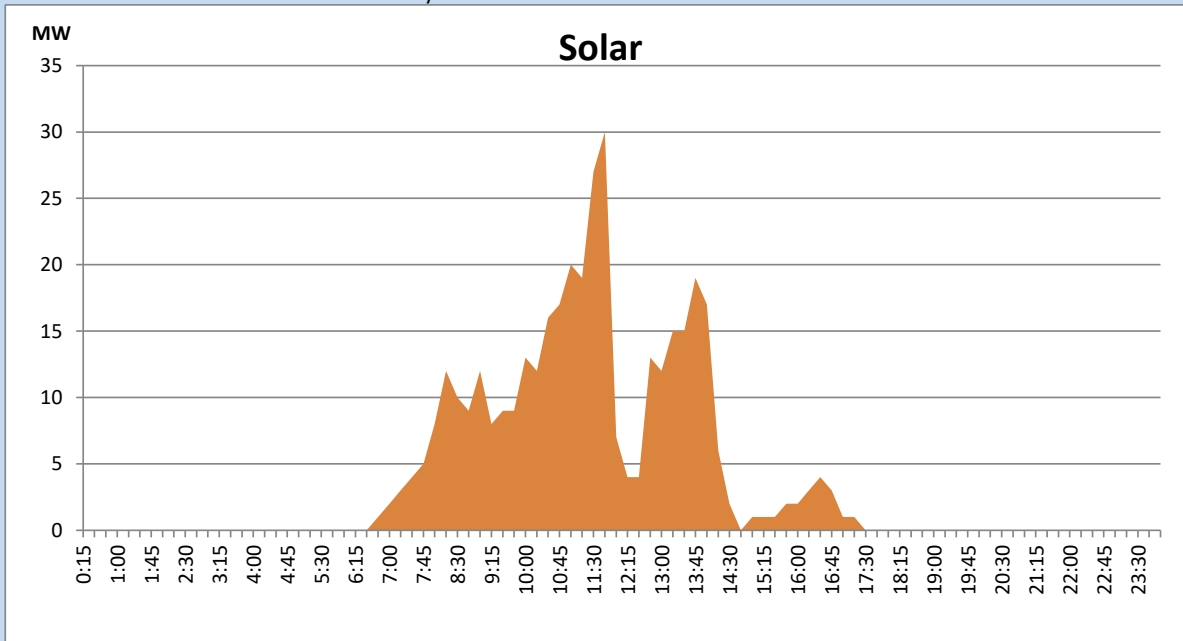
Based on Telemetered Power Stations only



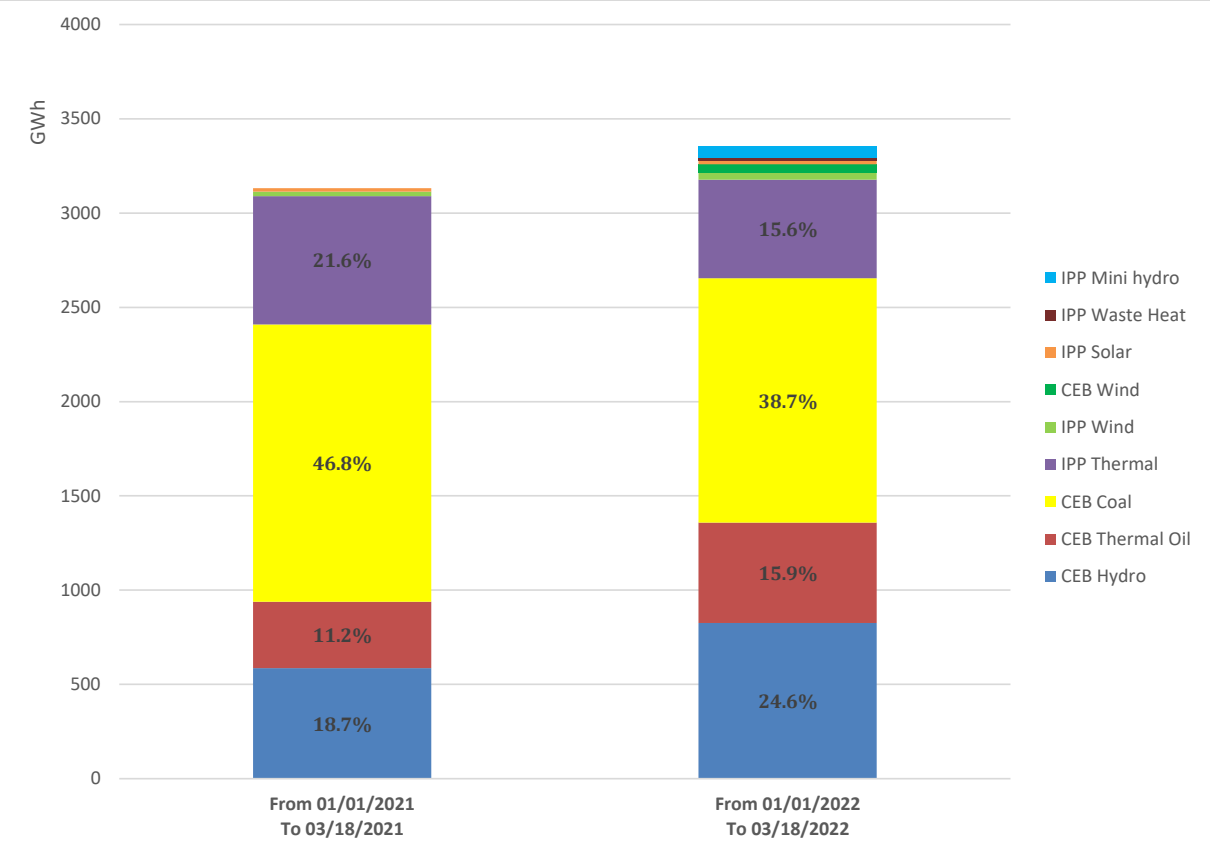
## Solar Generation during the Previous day

March 17, 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 19, 2022

- 1) Rotational manual load shedding was carried out from 08:00hrs to 23:00hrs.
- 2) KCCP GT and ST resumed generation at 11:12hrs and 14:06hrs respectively.
- 3) Sapugaskanda GSS 33kV B/C tripped at 15:29hrs and restored at 15:32hrs.