

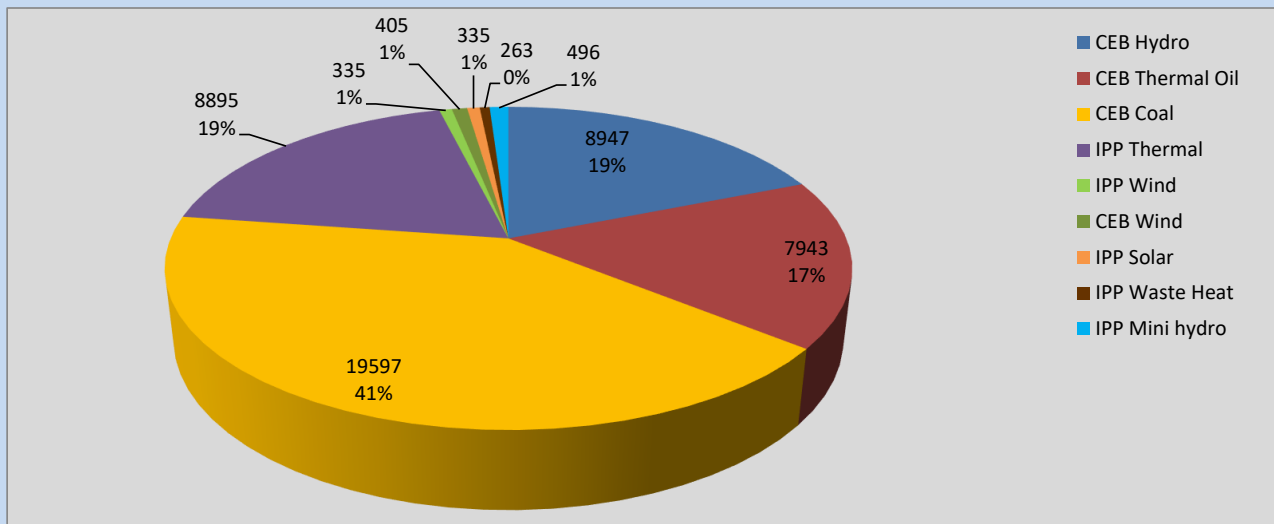
# Generation and Reservoirs Statistics

March 10, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **47,221 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

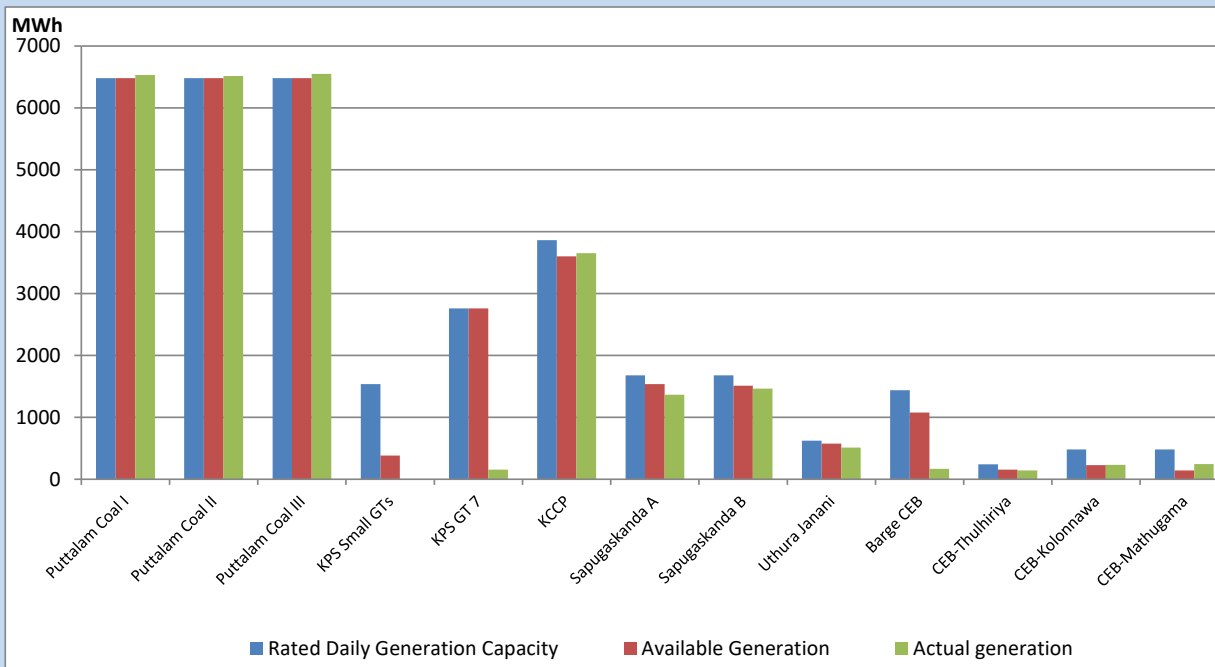
Category	Dispatch (GWh)	Percentage
CEB Hydro	83.21	19.00%
CEB Thermal Oil	66.24	15.12%
CEB Coal	195.83	44.71%
IPP Thermal	68.90	15.73%
SPP Wind	5.56	1.27%
CEB Wind	8.10	1.85%
SPP Solar	2.60	0.59%
SPP Solid Waste	2.06	0.47%
Mini Hydro	5.51	1.26%
<b>Total</b>	<b>438.01</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	761.0	25.36%
CEB Thermal Oil	478.5	15.94%
CEB Coal	1,139.4	37.96%
IPP Thermal	460.3	15.34%
SPP Wind	33.7	1.12%
CEB Wind	42.4	1.41%
SPP Solar	17.9	0.60%
SPP Solid Waste	13.2	0.44%
Mini Hydro	55.2	1.84%
<b>Total</b>	<b>3,001.2</b>	

## CEB owned Thermal Plant Dispatch

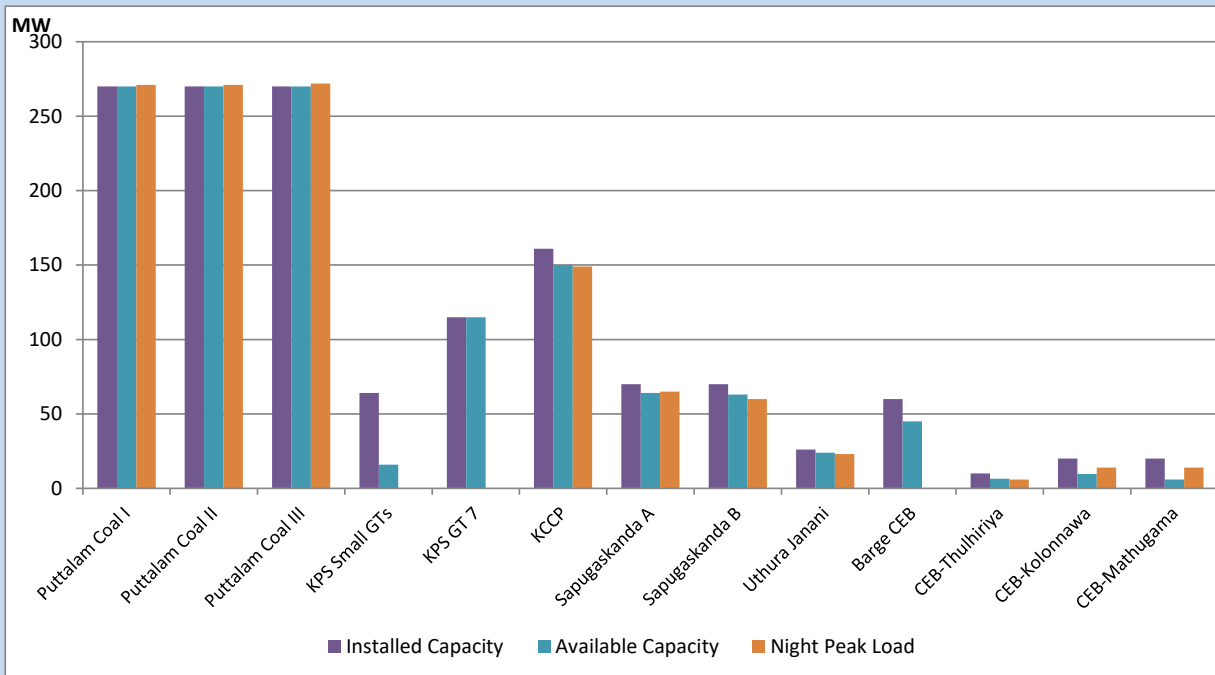
March 10, 2022



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

March 11, 2022

## CEB owned Thermal Plant Loading at the Night Peak



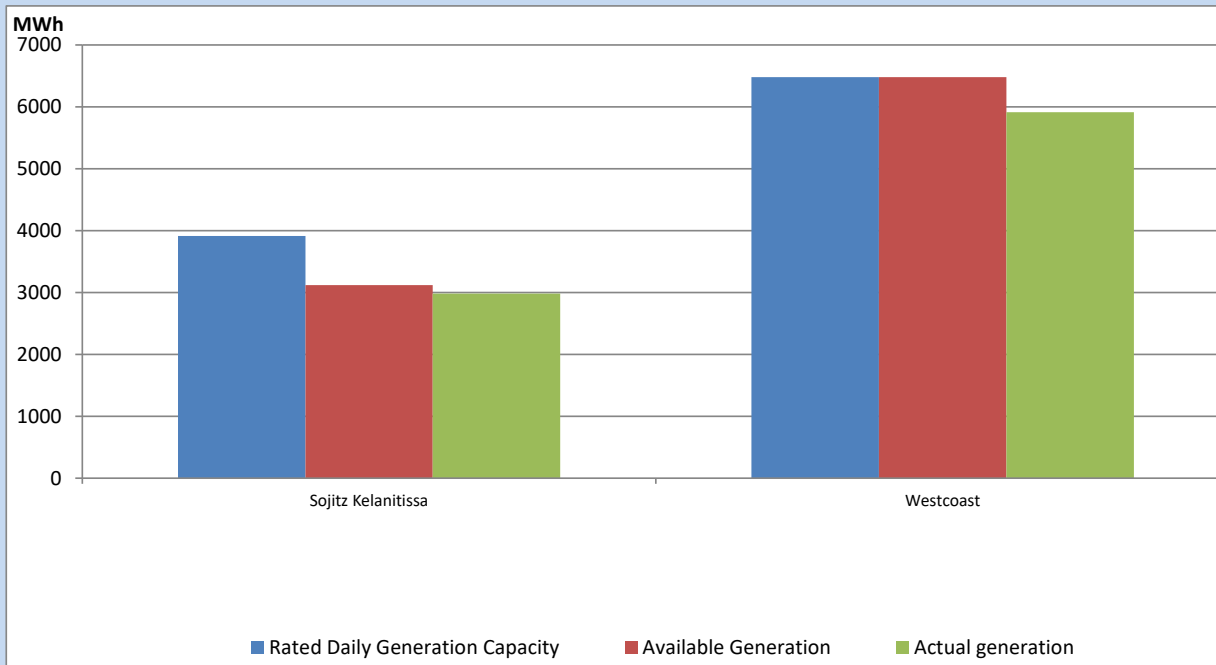
Note- Plant availability is recorded at 6.00 am on

March 11, 2022

## IPP owned Thermal Plant Dispatch

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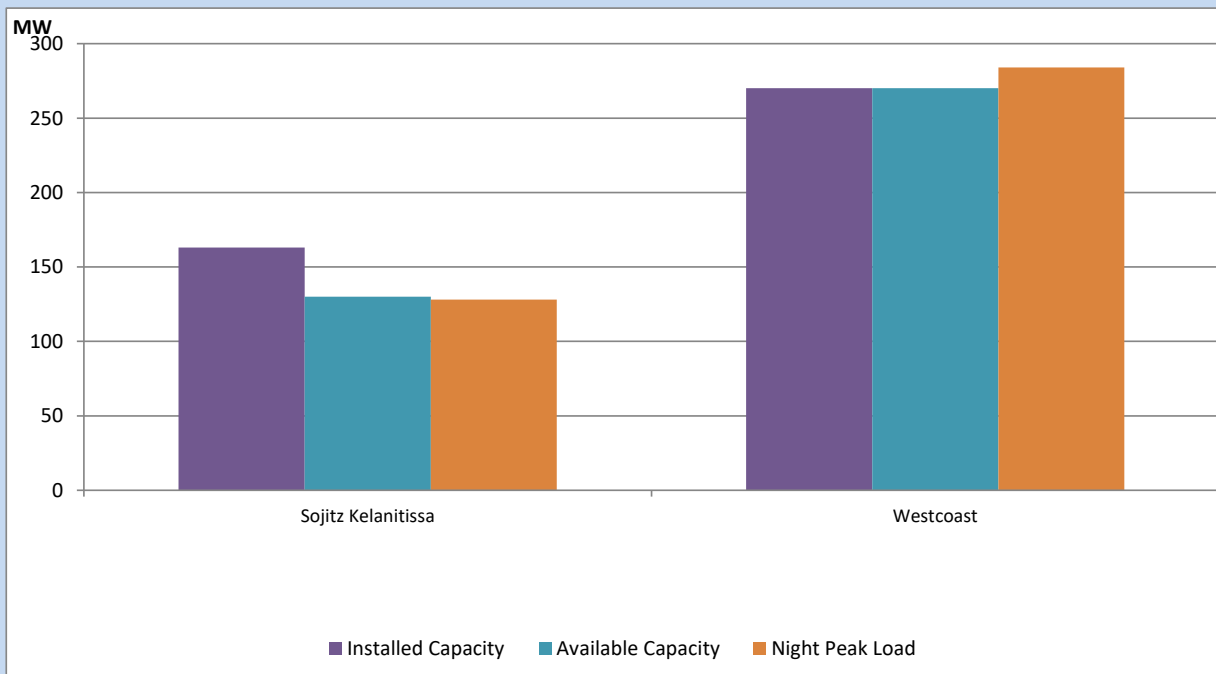
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 11, 2022

## IPP owned Thermal Plant Loading at the Night Peak

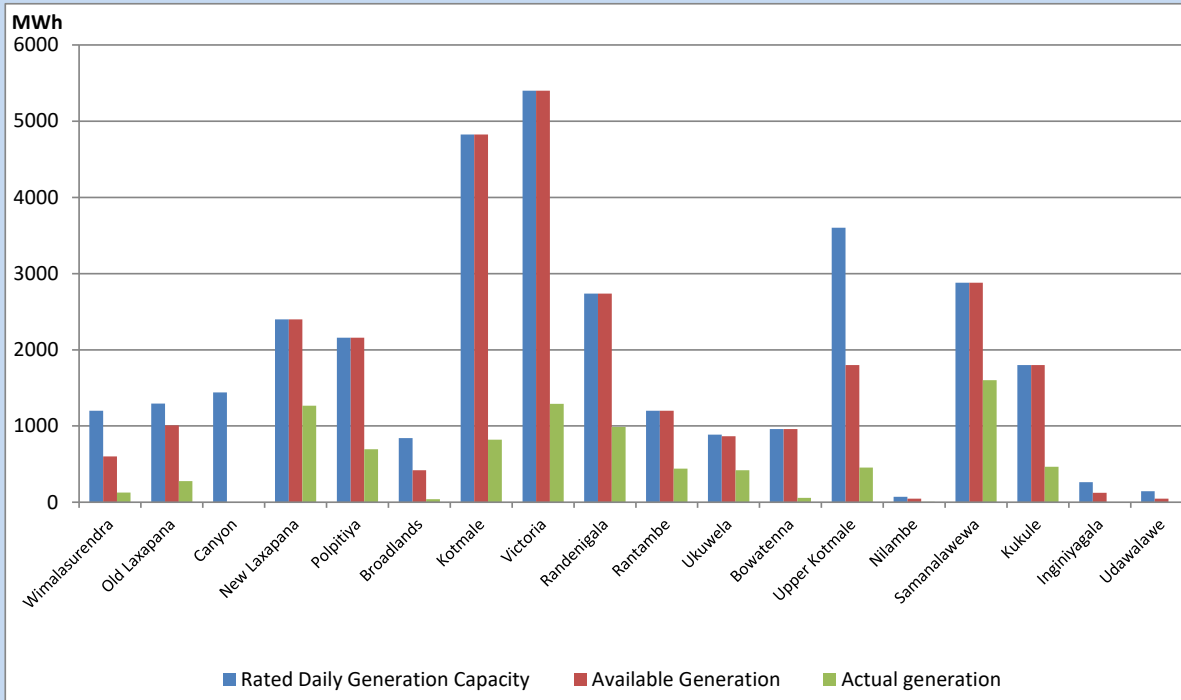


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

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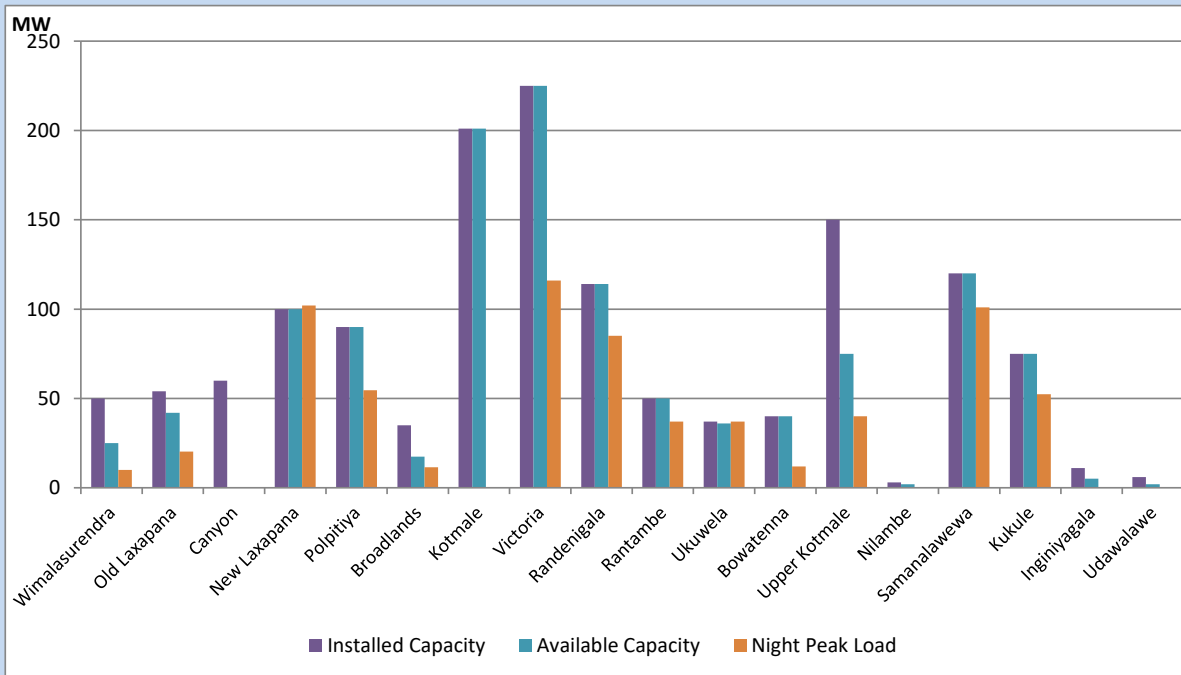


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 11, 2022

## Major Hydro Plant Loading at Night Peak

March 10, 2022



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

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## Summary of Major Plant performance

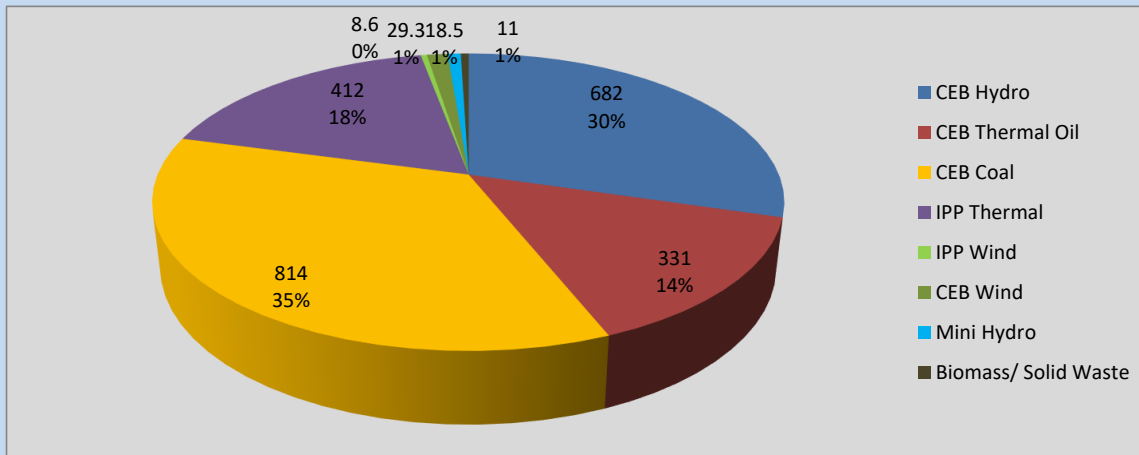
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	127
Old Laxapana	54	42	20	278
Canyon	60	0	0	0
New Laxapana	100	100	102	1,266
Polpitiya	90	90	55	694
Broadlands	35	18	12	40
Kotmale	201	201	0	820
Victoria	225	225	116	1,290
Randenigala	114	114	85	988
Rantambe	50	50	37	439
Ukuwela	37	36	37	418
Bowatenna	40	40	12	58
Upper Kotmale	150	75	40	456
Nilambe	3	2	0	6
Samanalawewa	120	120	101	1,601
Kukule	75	75	52	466
Inginiyagala	11	5	0	0
Udawalawe	6	2	0	0
Puttalam Coal I	270	270	271	6,531
Puttalam Coal II	270	270	271	6,514
Puttalam Coal III	270	270	272	6,552
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	157
KCCP	161	150	149	3,653
Sapugaskanda A	70	64	65	1,367
Sapugaskanda B	70	63	60	1,465
Uthura Janani	26	24	23	510
Barge CEB	60	45	0	168
CEB-Thulhiriya	10	6	6	144
CEB-Kolonnawa	20	10	14	232
CEB-Mathugama	20	6	14	247
Sojitz Kelanitissa	163	130	128	2,982
West Coast	270	270	284	5,913
<b>Total</b>	<b>3,280</b>	<b>2,929</b>	<b>2,303</b>	<b>47,221</b>

Plant availability is the availability recorded at 6 am on

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## Contribution to the Night Peak in MW

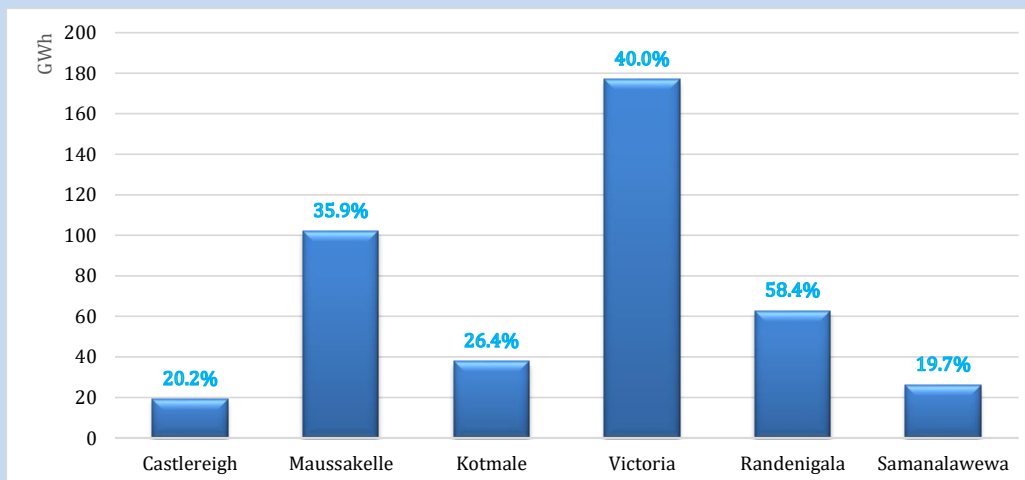
March 10, 2022



Night Peak*	2,306.1 MW
Day Peak	2,188.1 MW
Minimum Demand	1,526.7 MW

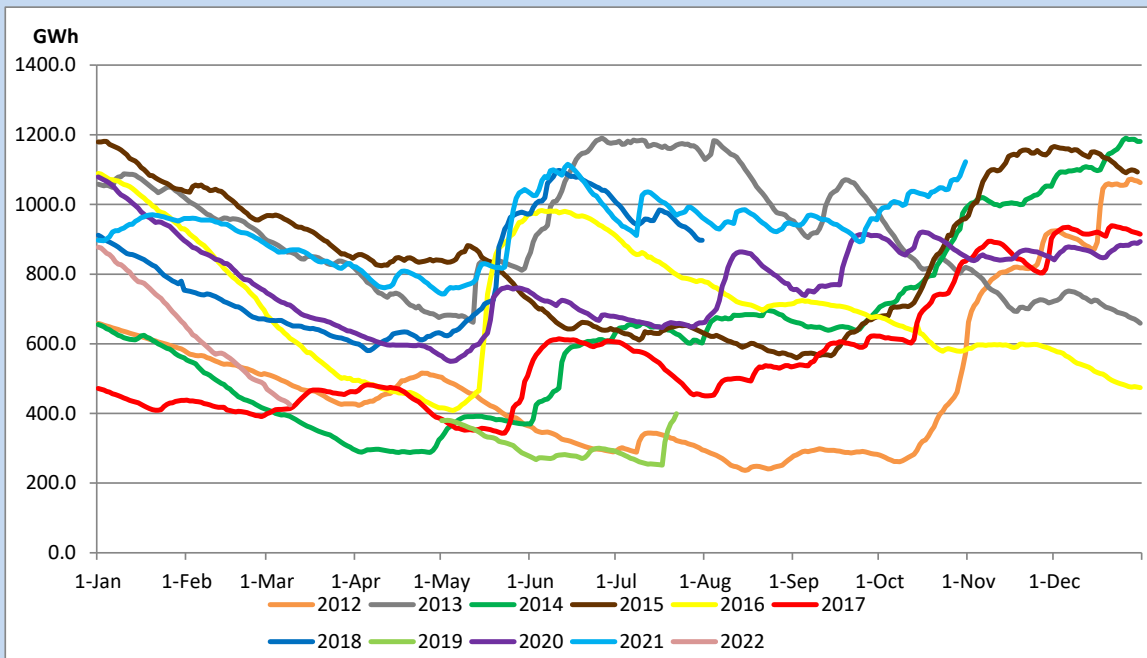
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on March 11, 2022



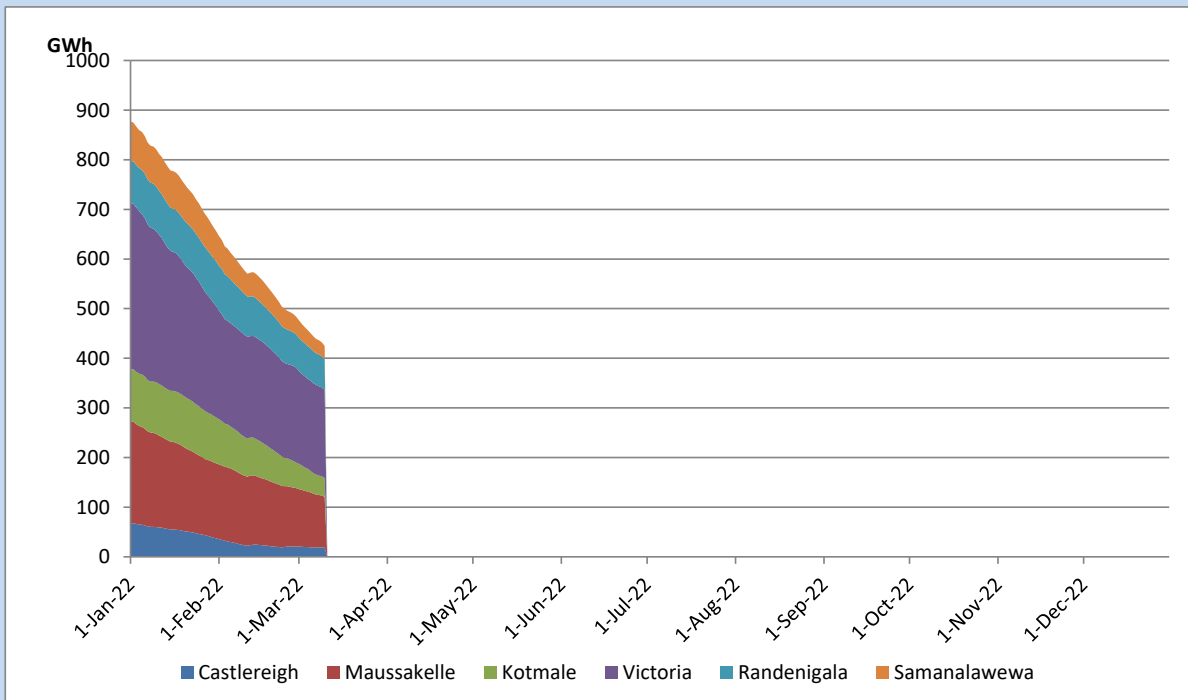
Total Reservoir Level	424.8 GWh
% of Total capacity	33.4%

## Comparison of Total Reservoir Storage Levels with Past Years



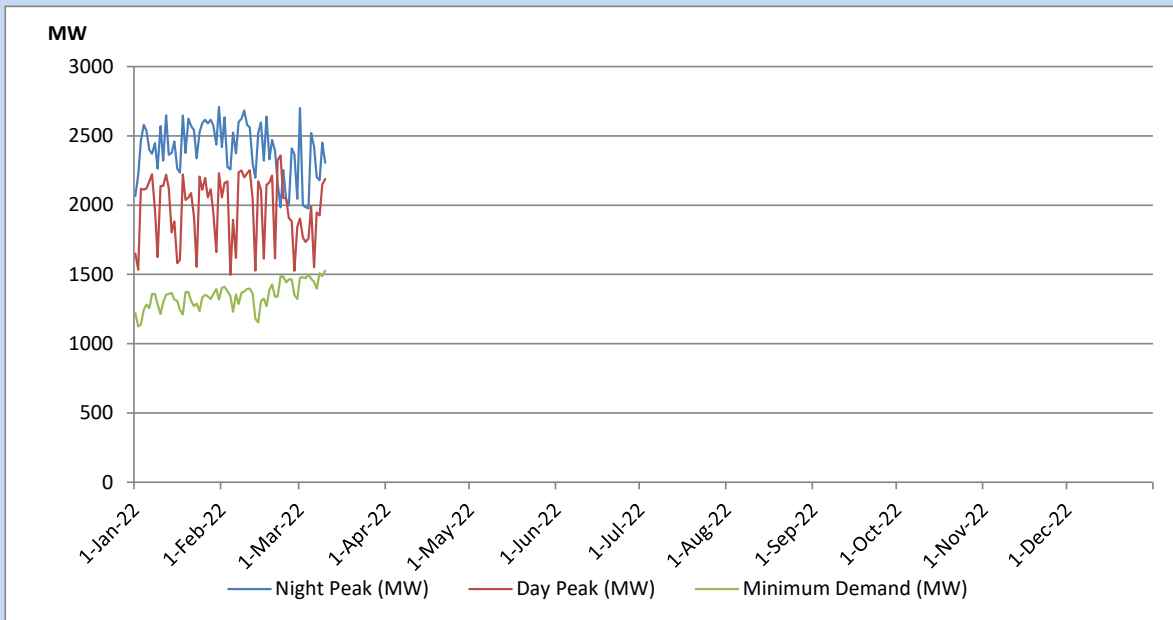
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

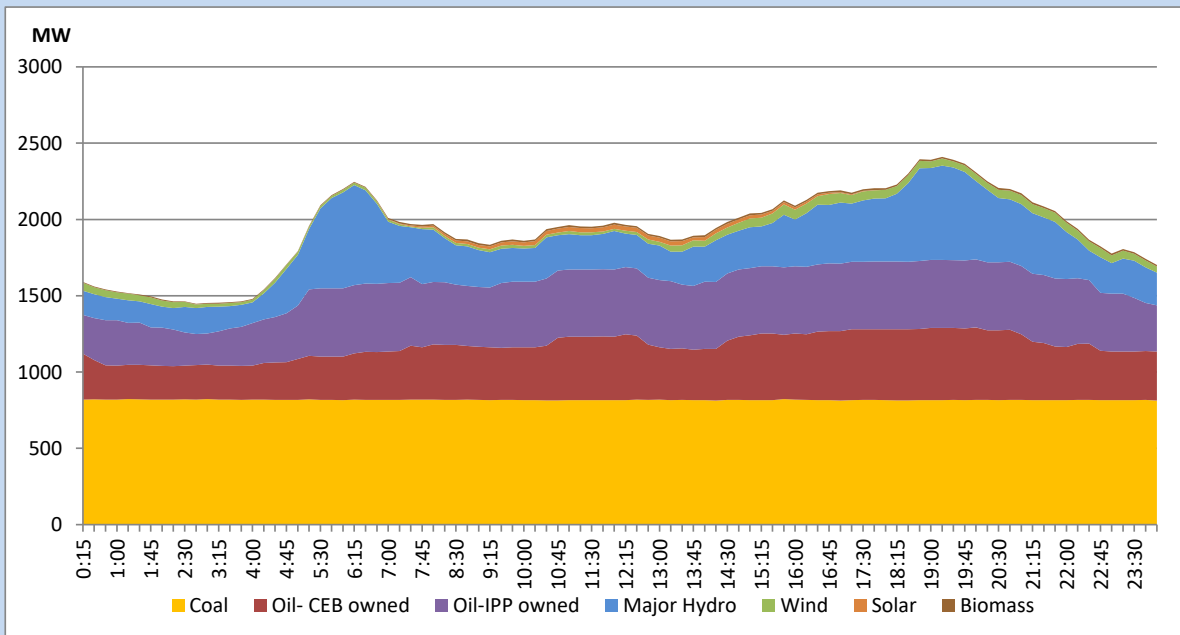


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

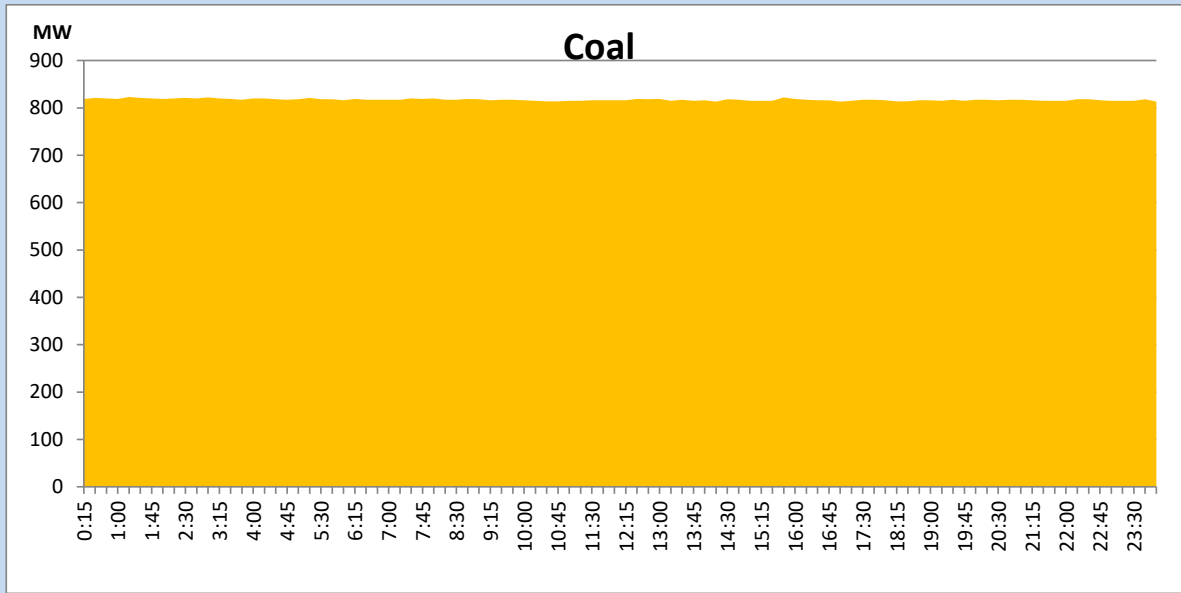
March 9, 2022

Solar and wind data is based on Telemetered Power Stations only



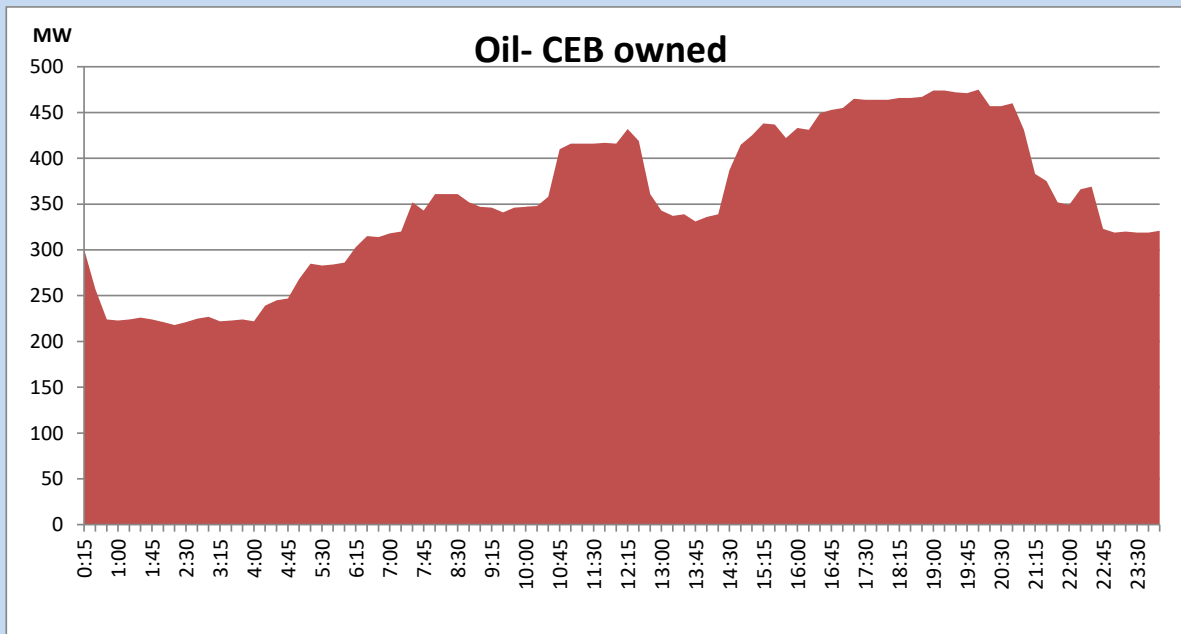
## Coal Generation during the Previous day

March 9, 2022



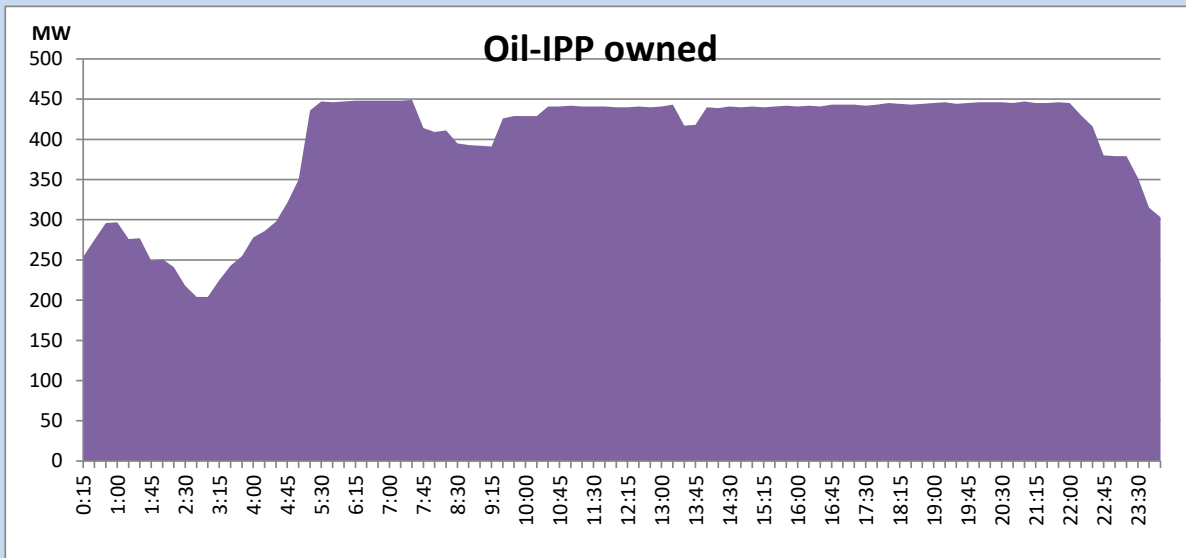
## CEB Oil Plant Generation during the Previous day

March 9, 2022



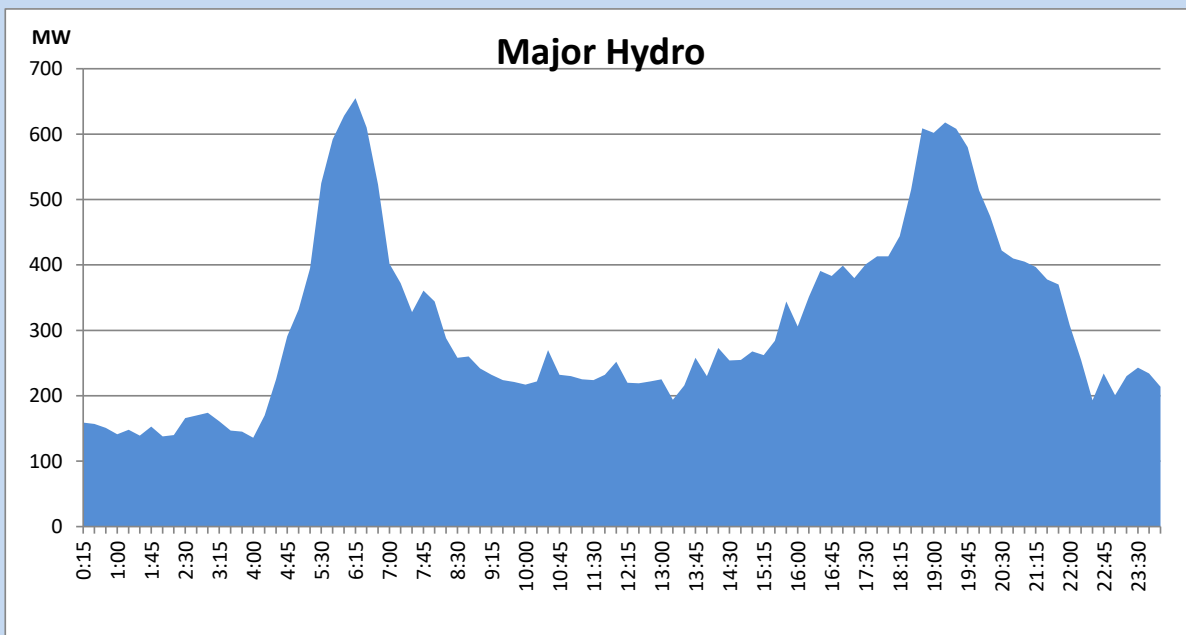
## IPP Oil Plant Generation during the Previous day

March 9, 2022



## Major Hydro Generation during the Previous day

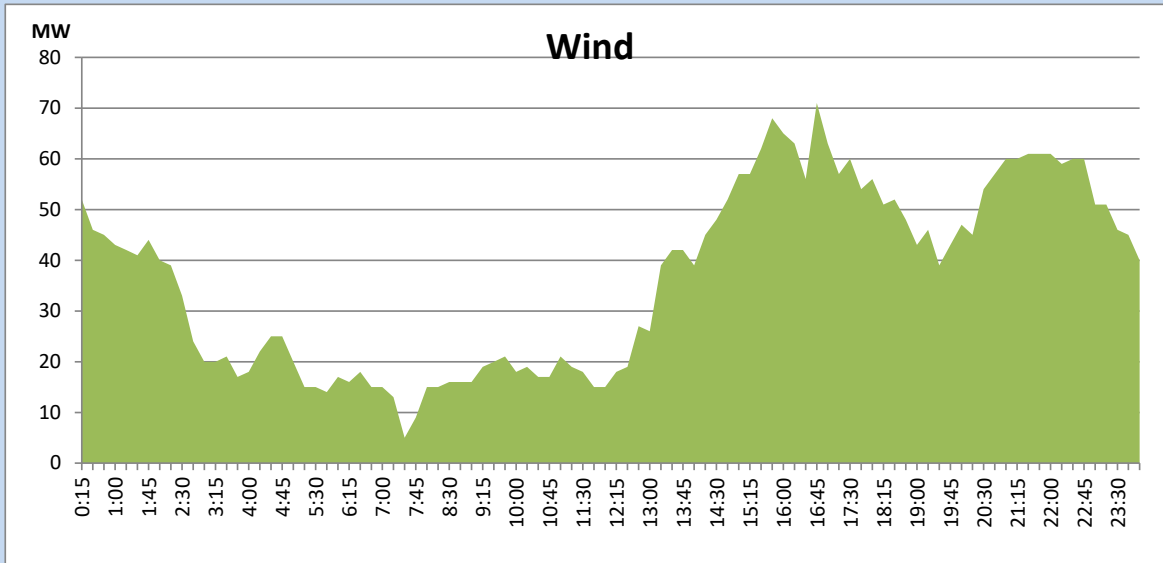
March 9, 2022



## Wind Generation during the Previous day

March 9, 2022

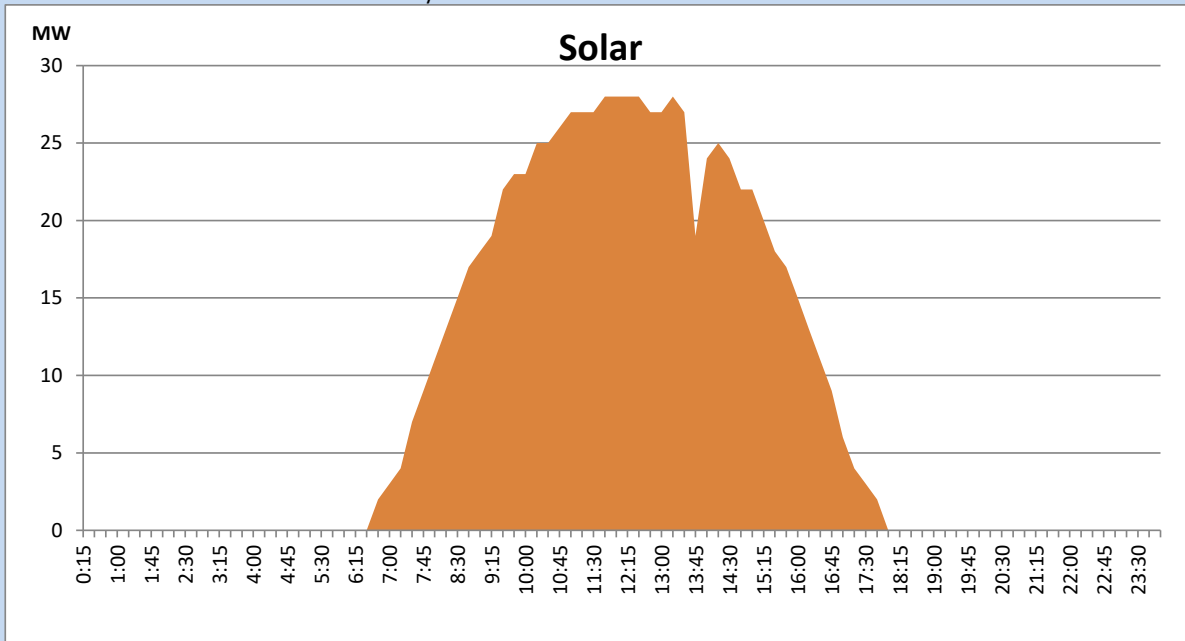
Based on Telemetered Power Stations only



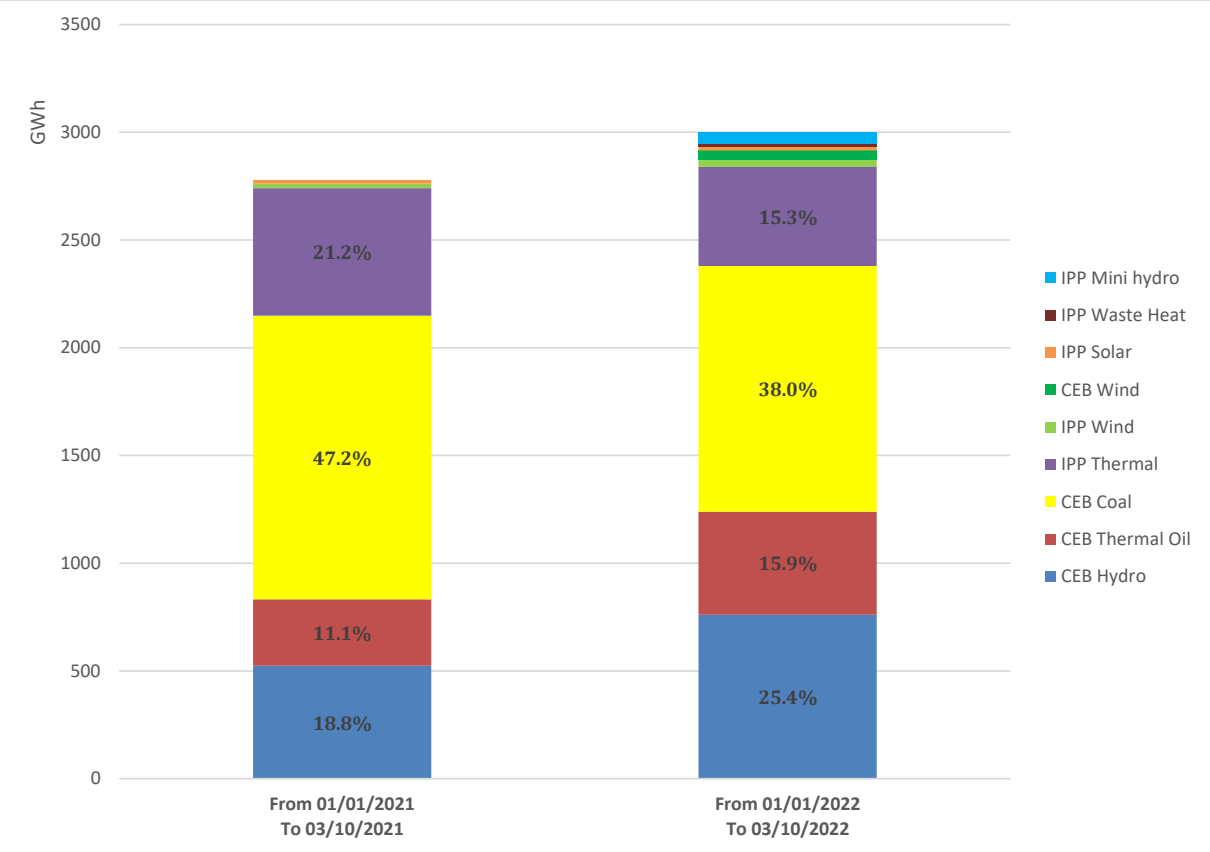
## Solar Generation during the Previous day

March 9, 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	Auto Diesel

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

March 11, 2022

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