

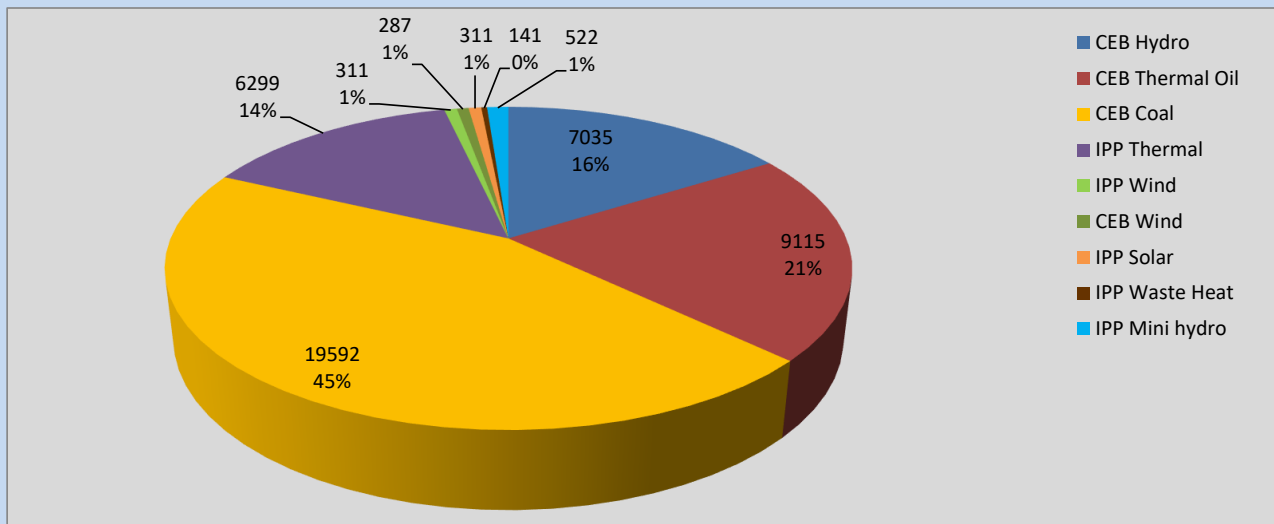
# Generation and Reservoirs Statistics

March 7, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **43,599 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

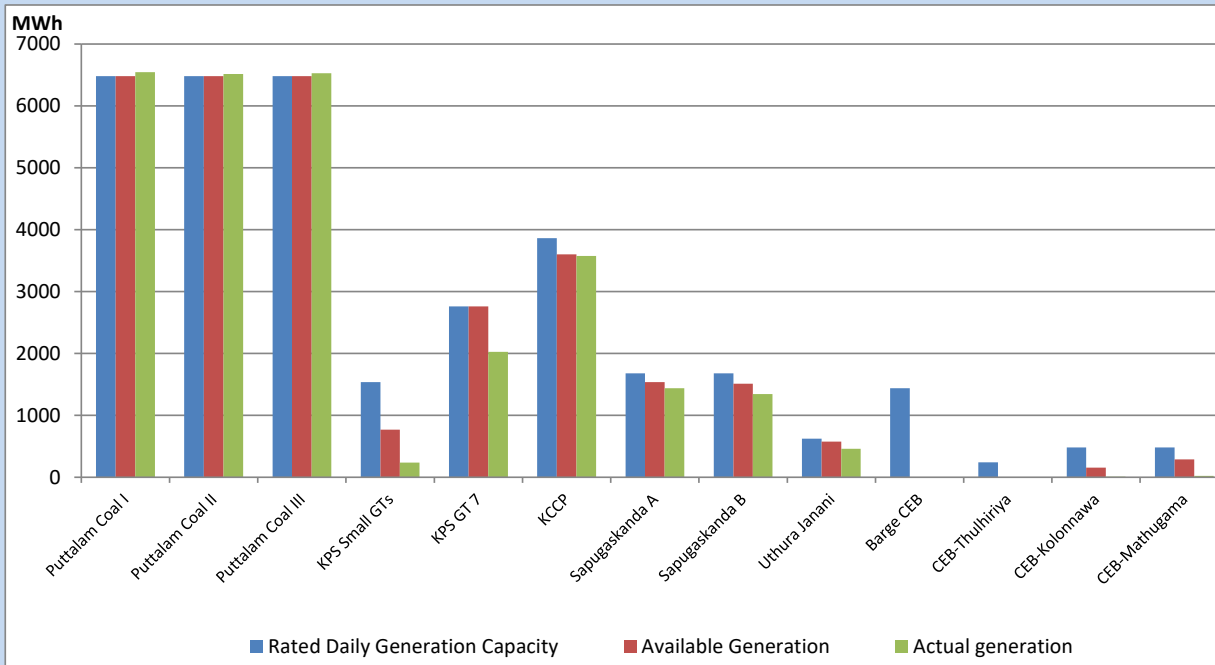
Category	Dispatch (GWh)	Percentage
CEB Hydro	59.80	19.99%
CEB Thermal Oil	40.61	13.57%
CEB Coal	136.95	45.77%
IPP Thermal	44.05	14.72%
SPP Wind	4.59	1.53%
CEB Wind	6.40	2.14%
SPP Solar	1.61	0.54%
SPP Solid Waste	1.43	0.48%
Mini Hydro	3.76	1.26%
<b>Total</b>	<b>299.20</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	737.6	25.77%
CEB Thermal Oil	452.8	15.82%
CEB Coal	1,080.5	37.75%
IPP Thermal	435.5	15.21%
SPP Wind	32.7	1.14%
CEB Wind	40.7	1.42%
SPP Solar	16.9	0.59%
SPP Solid Waste	12.5	0.44%
Mini Hydro	53.5	1.87%
<b>Total</b>	<b>2,862.4</b>	

## CEB owned Thermal Plant Dispatch

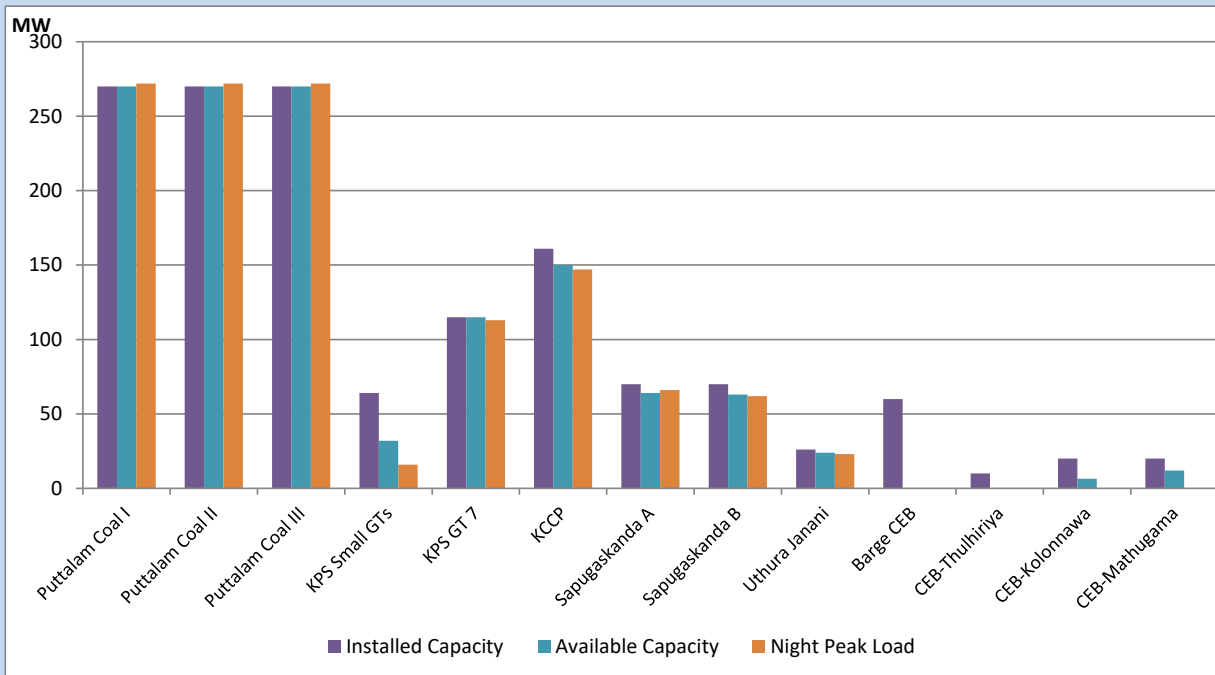
March 7, 2022



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

March 8, 2022

## CEB owned Thermal Plant Loading at the Night Peak



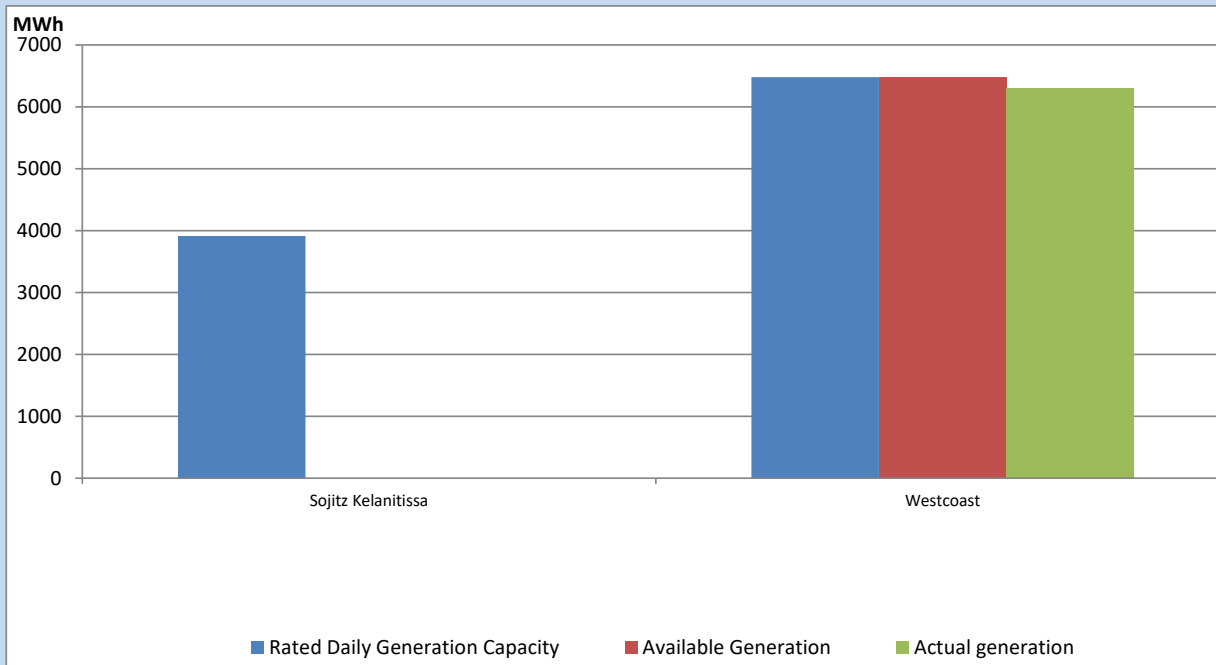
Note- Plant availability is recorded at 6.00 am on

March 8, 2022

## IPP owned Thermal Plant Dispatch

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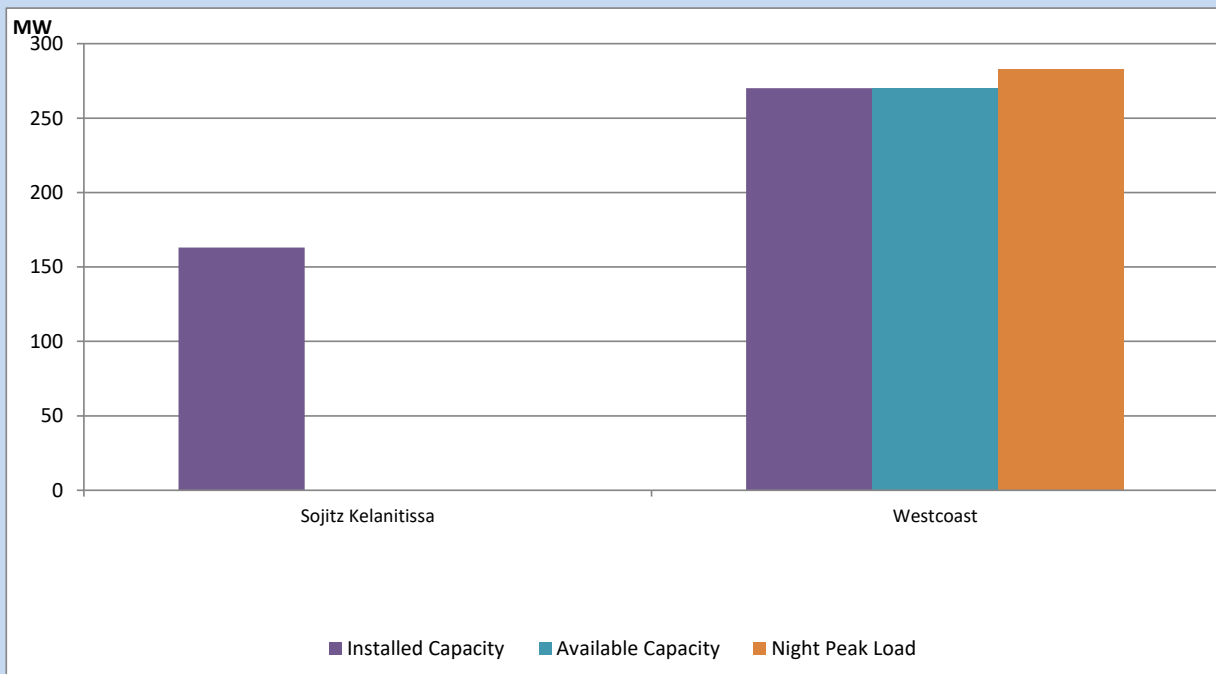
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 8, 2022

## IPP owned Thermal Plant Loading at the Night Peak

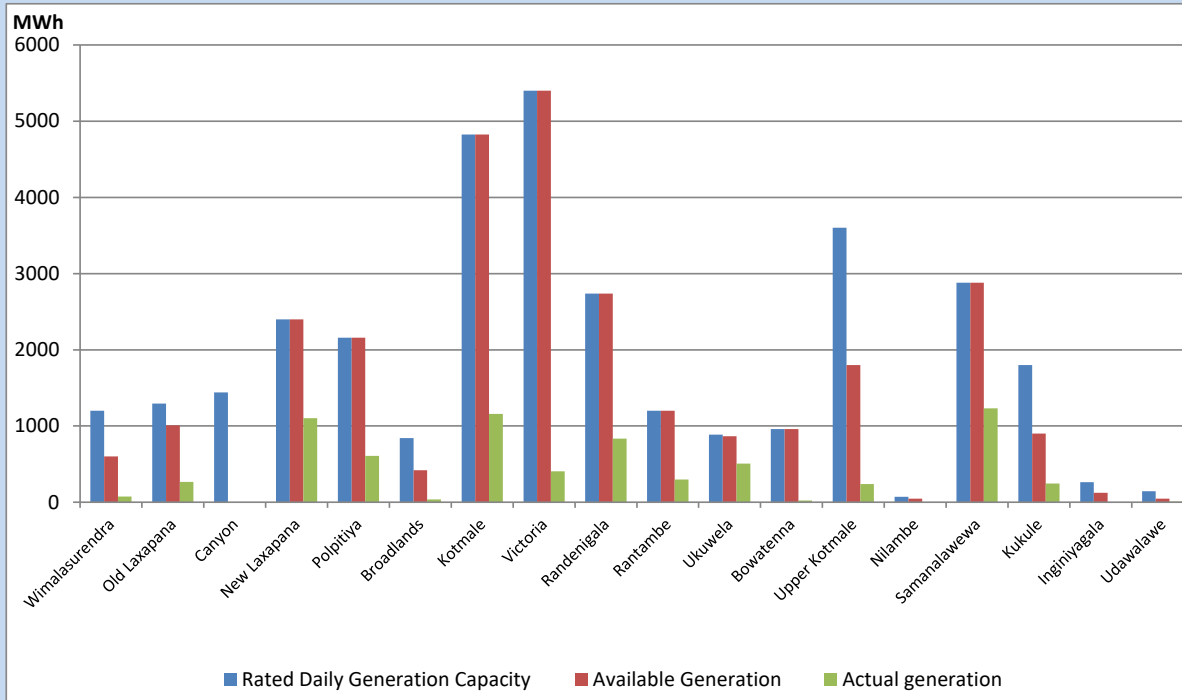


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

March 7, 2022

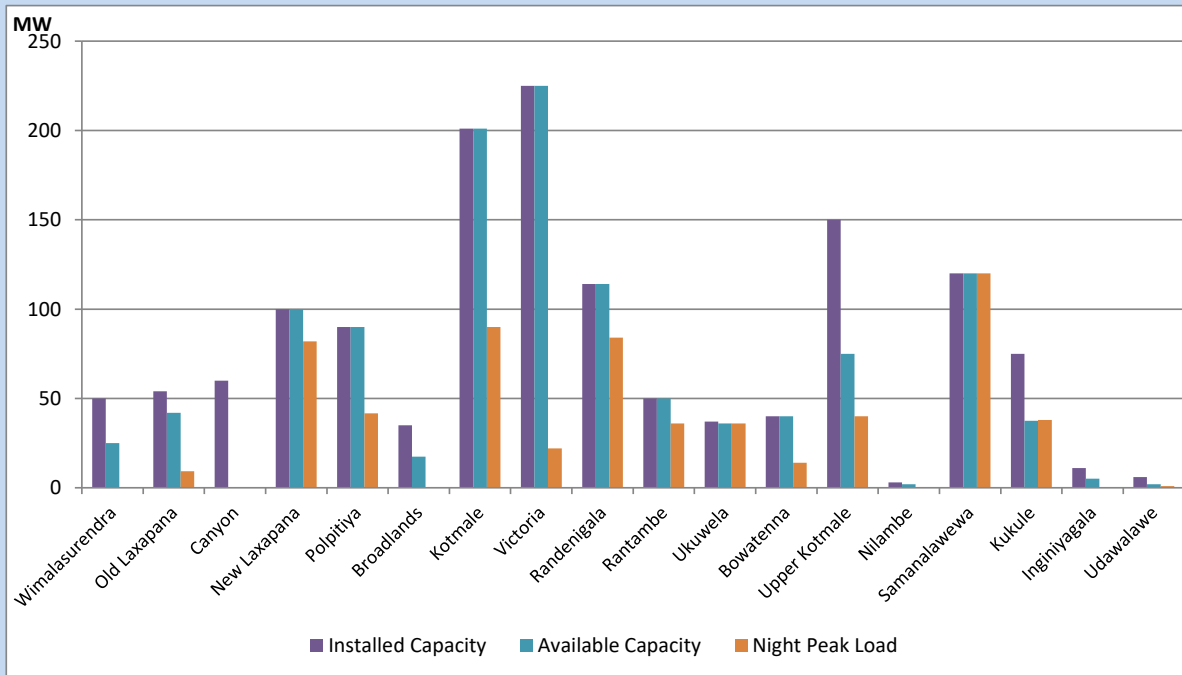


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 8, 2022

## Major Hydro Plant Loading at Night Peak

March 7, 2022



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

March 8, 2022

## Summary of Major Plant performance

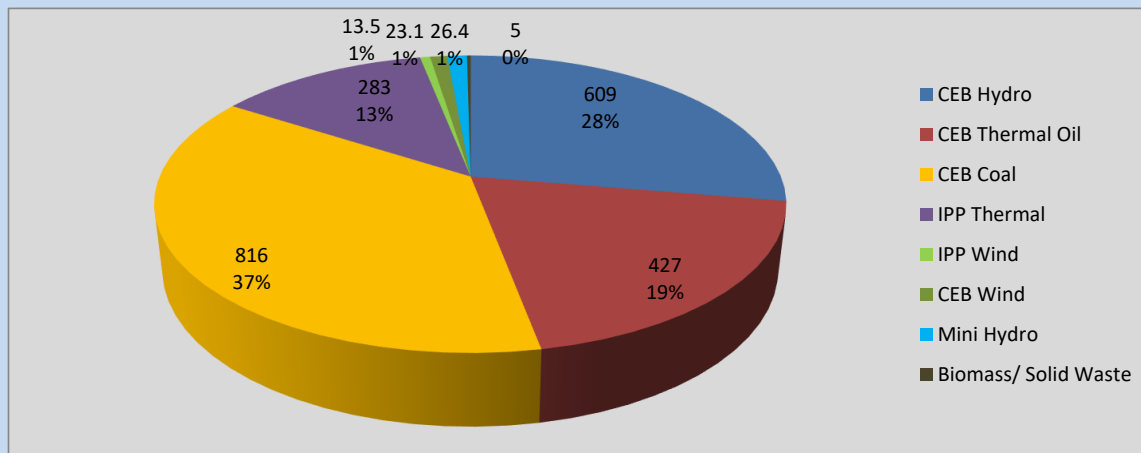
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	75
Old Laxapana	54	42	9	267
Canyon	60	0	0	0
New Laxapana	100	100	82	1,101
Polpitiya	90	90	42	608
Broadlands	35	18	0	35
Kotmale	201	201	90	1,160
Victoria	225	225	22	406
Randenigala	114	114	84	835
Rantambe	50	50	36	296
Ukuwela	37	36	36	507
Bowatenna	40	40	14	22
Upper Kotmale	150	75	40	237
Nilambe	3	2	0	0
Samanalawewa	120	120	120	1,232
Kukule	75	38	38	244
Inginiyagala	11	5	0	0
Udawalawe	6	2	1	10
Puttalam Coal I	270	270	272	6,546
Puttalam Coal II	270	270	272	6,516
Puttalam Coal III	270	270	272	6,530
KPS Small GTs	64	32	16	238
KPS GT 7	115	115	113	2,027
KCCP	161	150	147	3,576
Sapugaskanda A	70	64	66	1,439
Sapugaskanda B	70	63	62	1,344
Uthura Janani	26	24	23	459
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	6	0	9
CEB-Mathugama	20	12	0	23
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	283	6,299
<b>Total</b>	<b>3,280</b>	<b>2,729</b>	<b>2,208</b>	<b>43,599</b>

Plant availability is the availability recorded at 6 am on

March 8, 2022

## Contribution to the Night Peak in MW

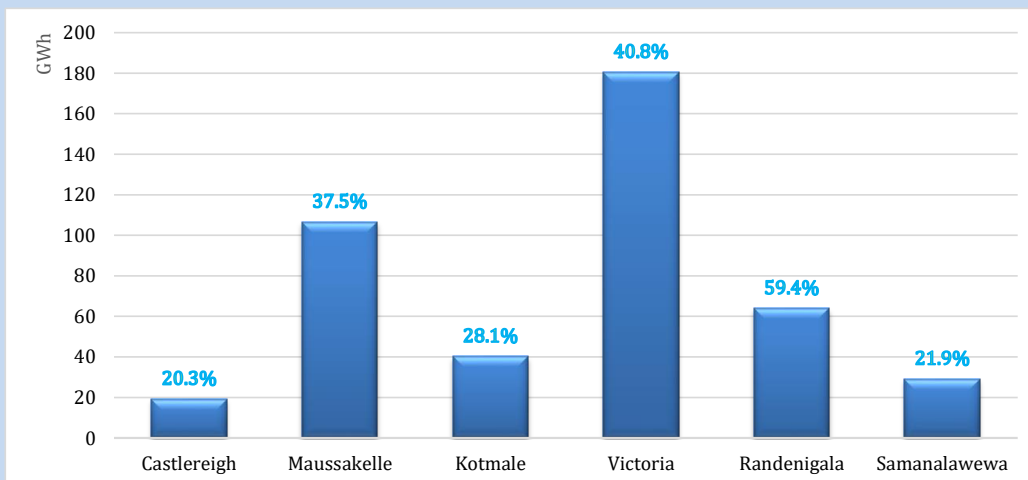
March 7, 2022



Night Peak*	2,202.8 MW
Day Peak	1,947.5 MW
Minimum Demand	1,396.9 MW

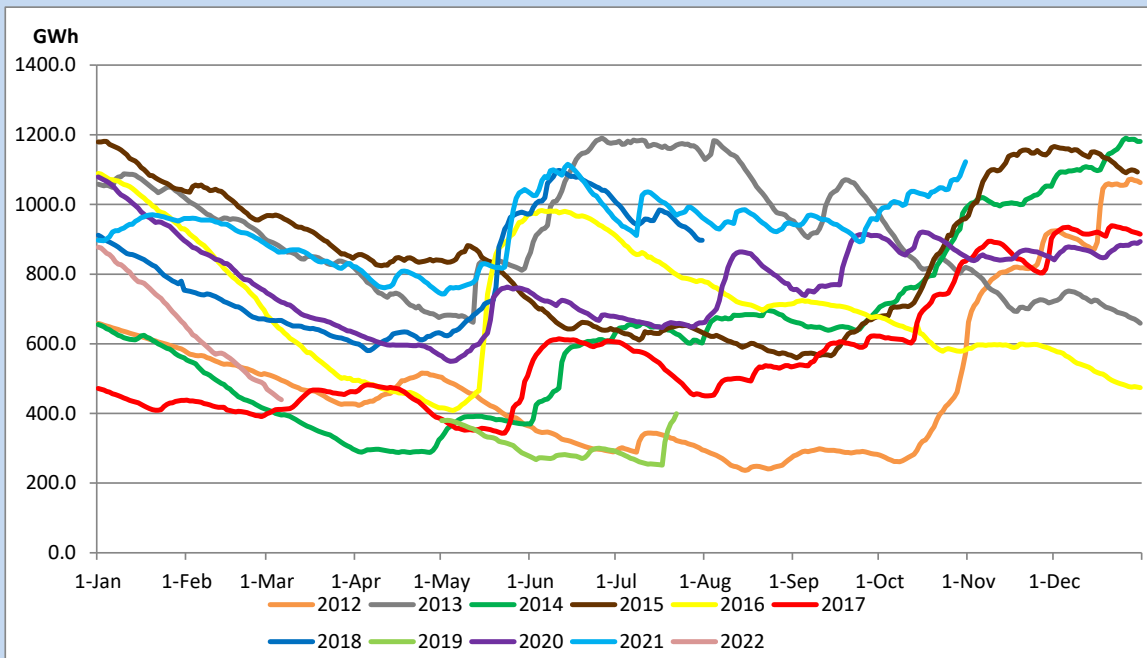
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on March 8, 2022



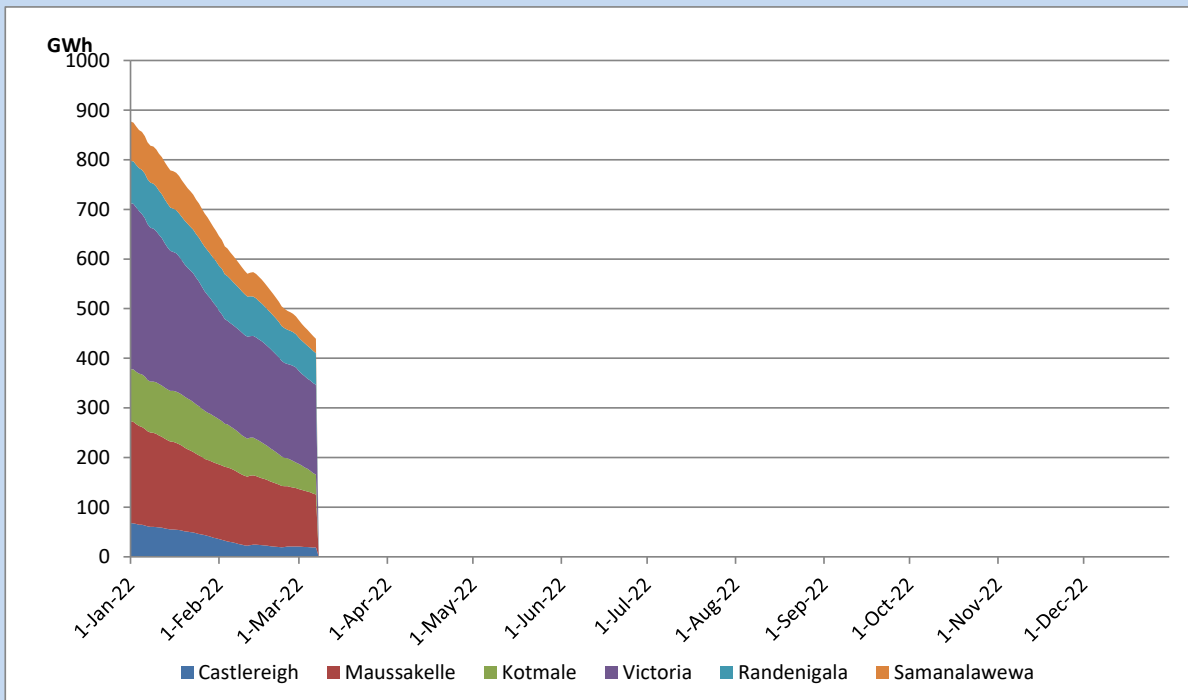
Total Reservoir Level	439.5 GWh
% of Total capacity	34.7%

## Comparison of Total Reservoir Storage Levels with Past Years



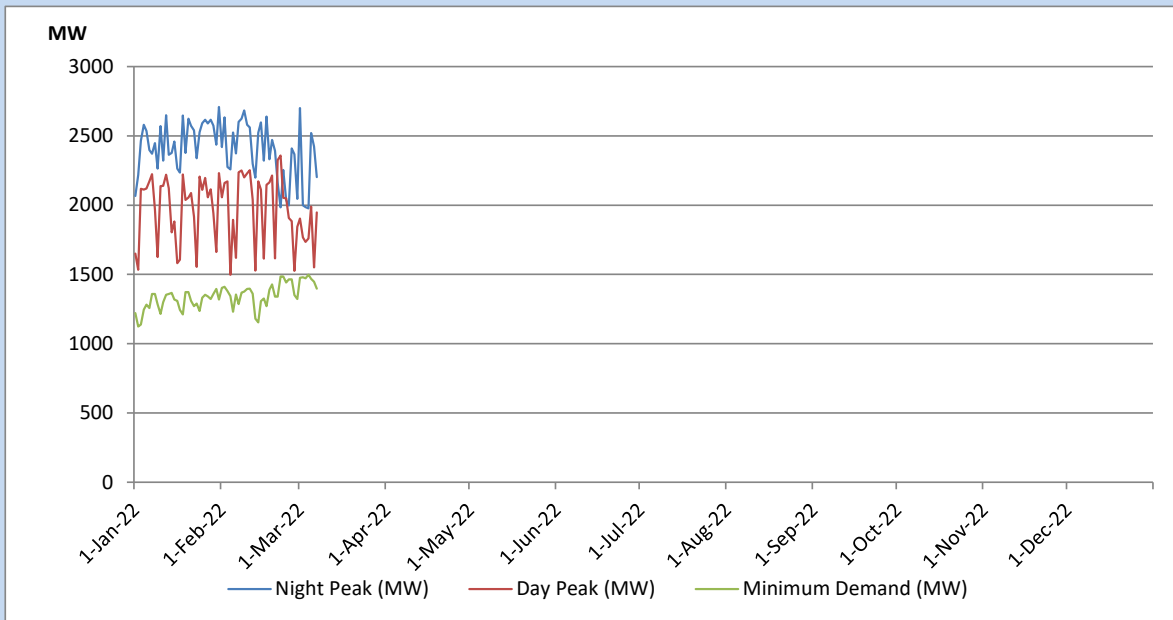
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

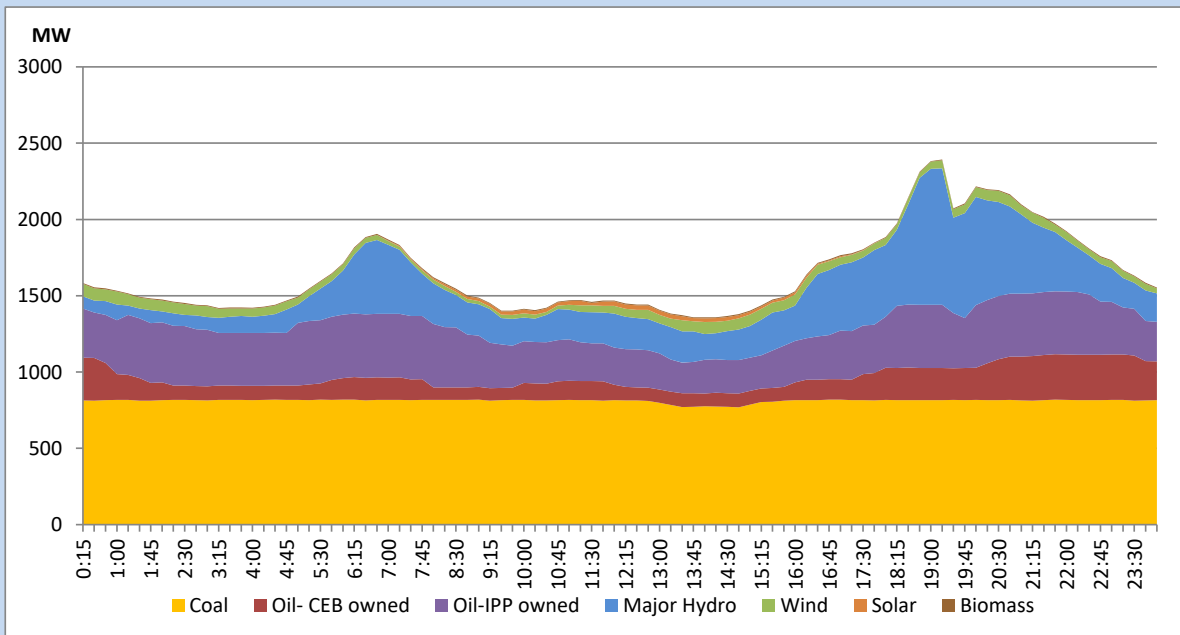


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

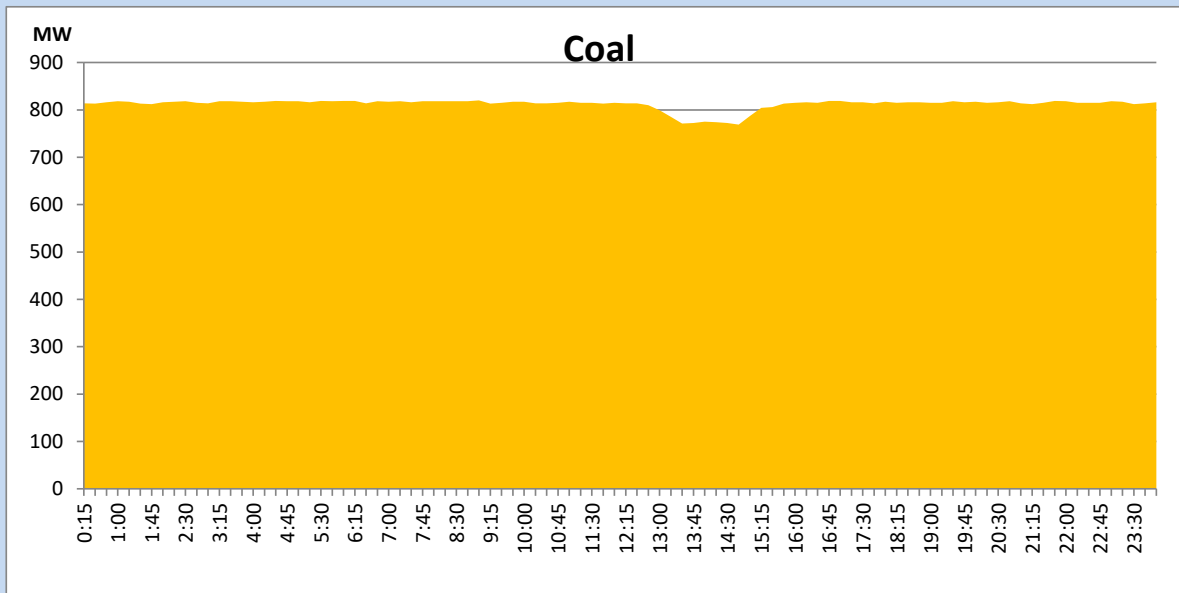
March 6, 2022

Solar and wind data is based on Telemetered Power Stations only



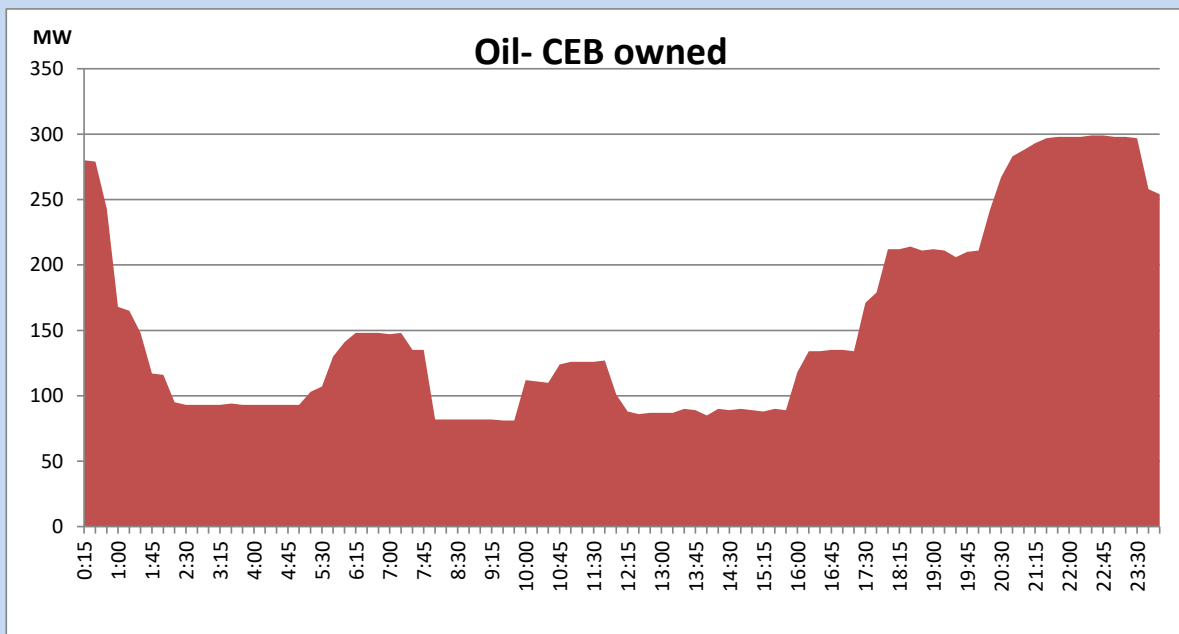
## Coal Generation during the Previous day

March 6, 2022



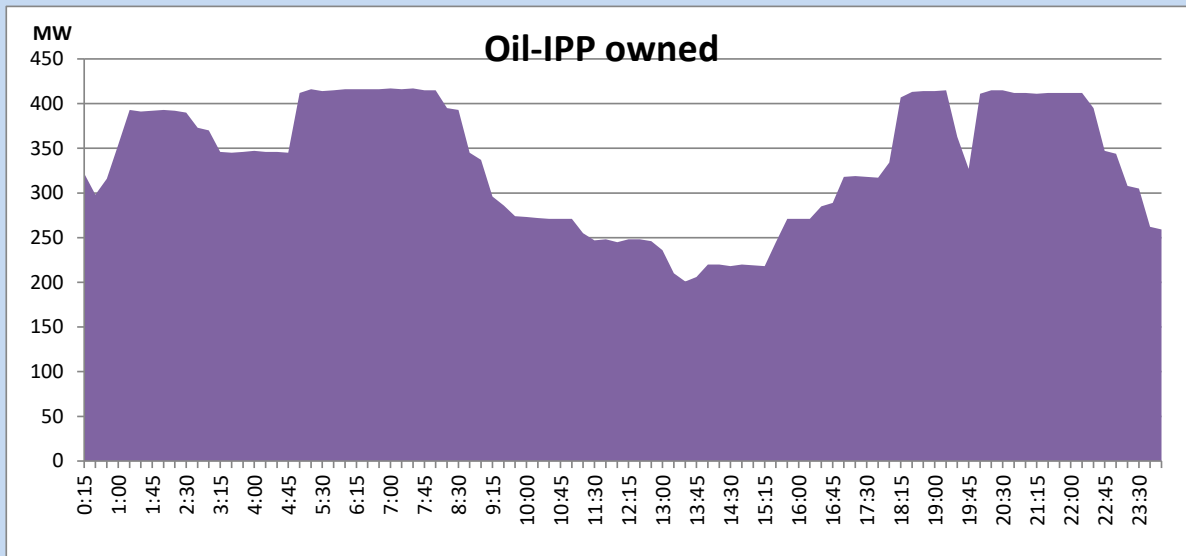
## CEB Oil Plant Generation during the Previous day

March 6, 2022



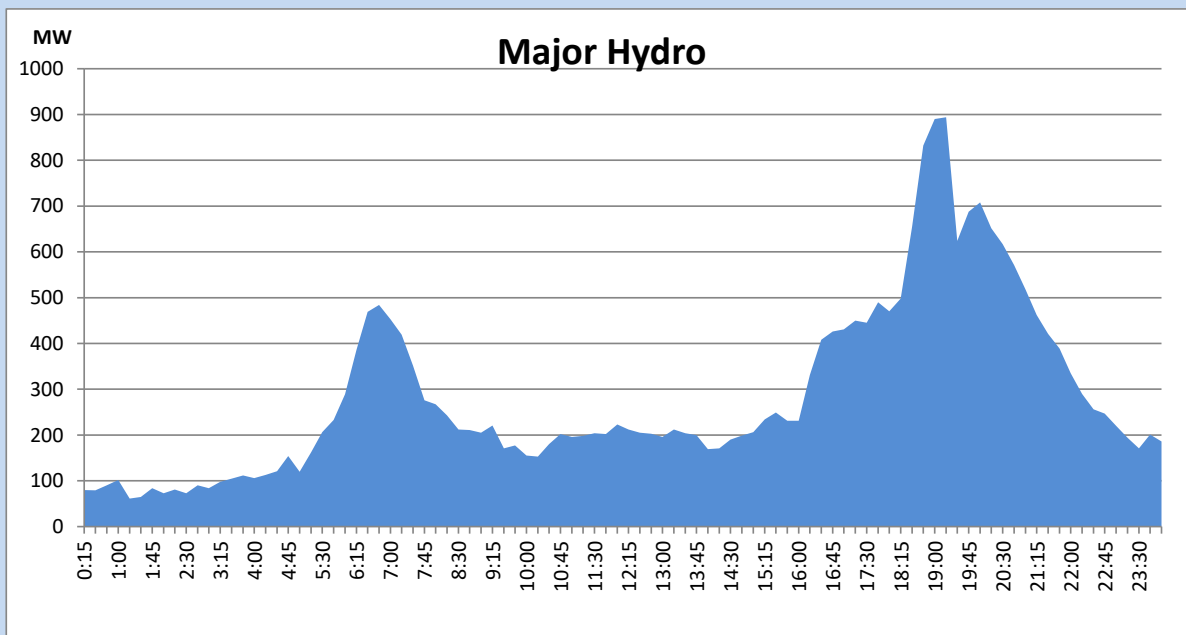
## IPP Oil Plant Generation during the Previous day

March 6, 2022



## Major Hydro Generation during the Previous day

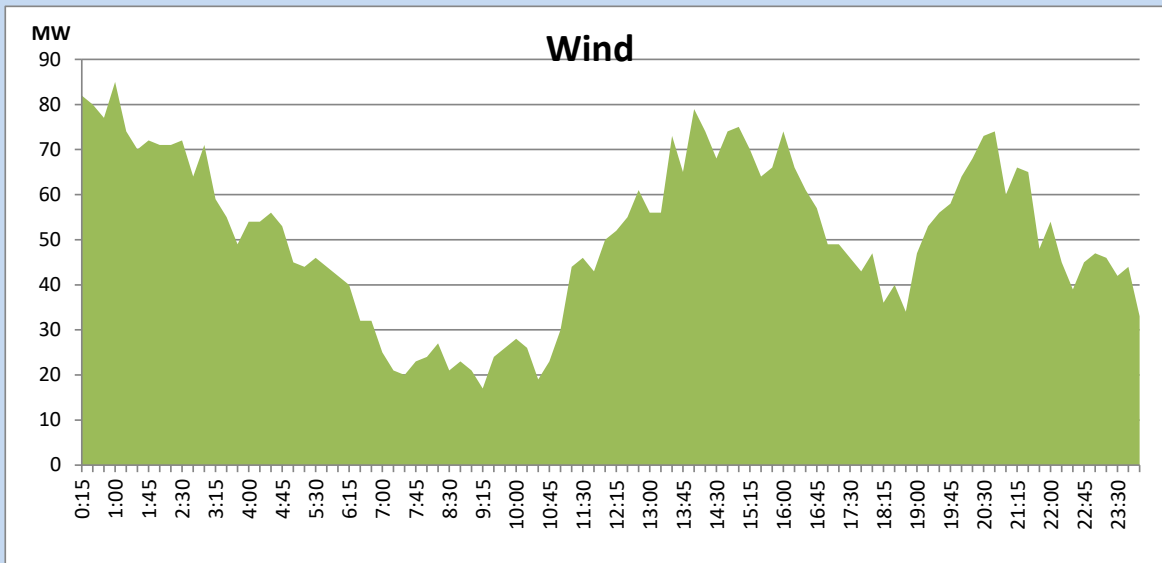
March 6, 2022



## Wind Generation during the Previous day

March 6, 2022

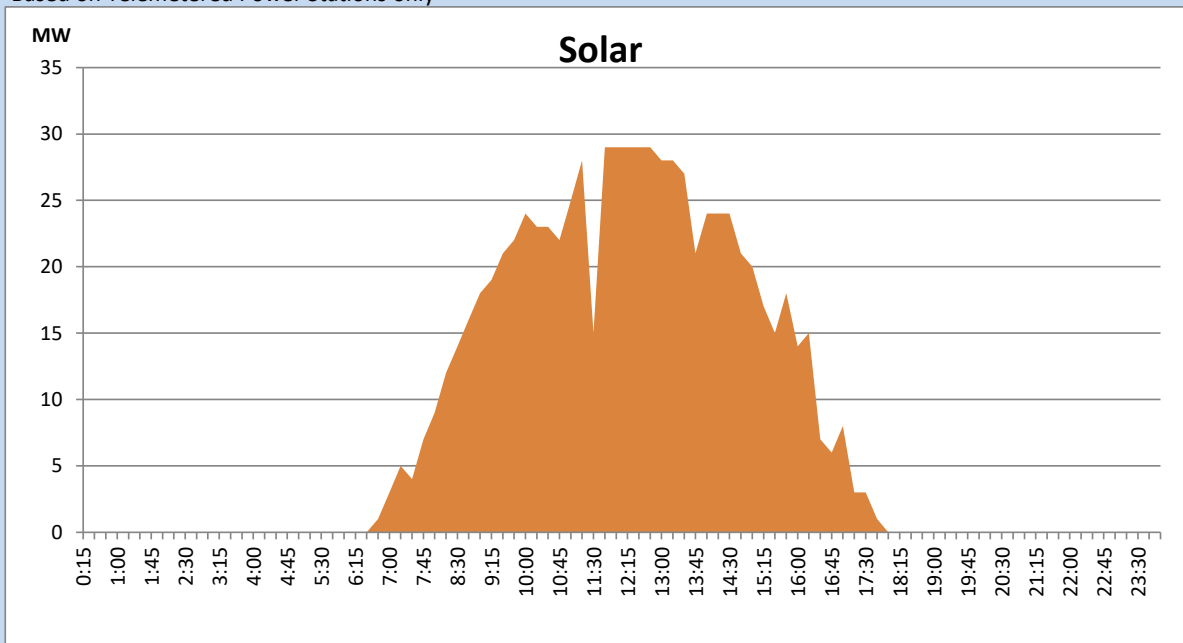
Based on Telemetered Power Stations only



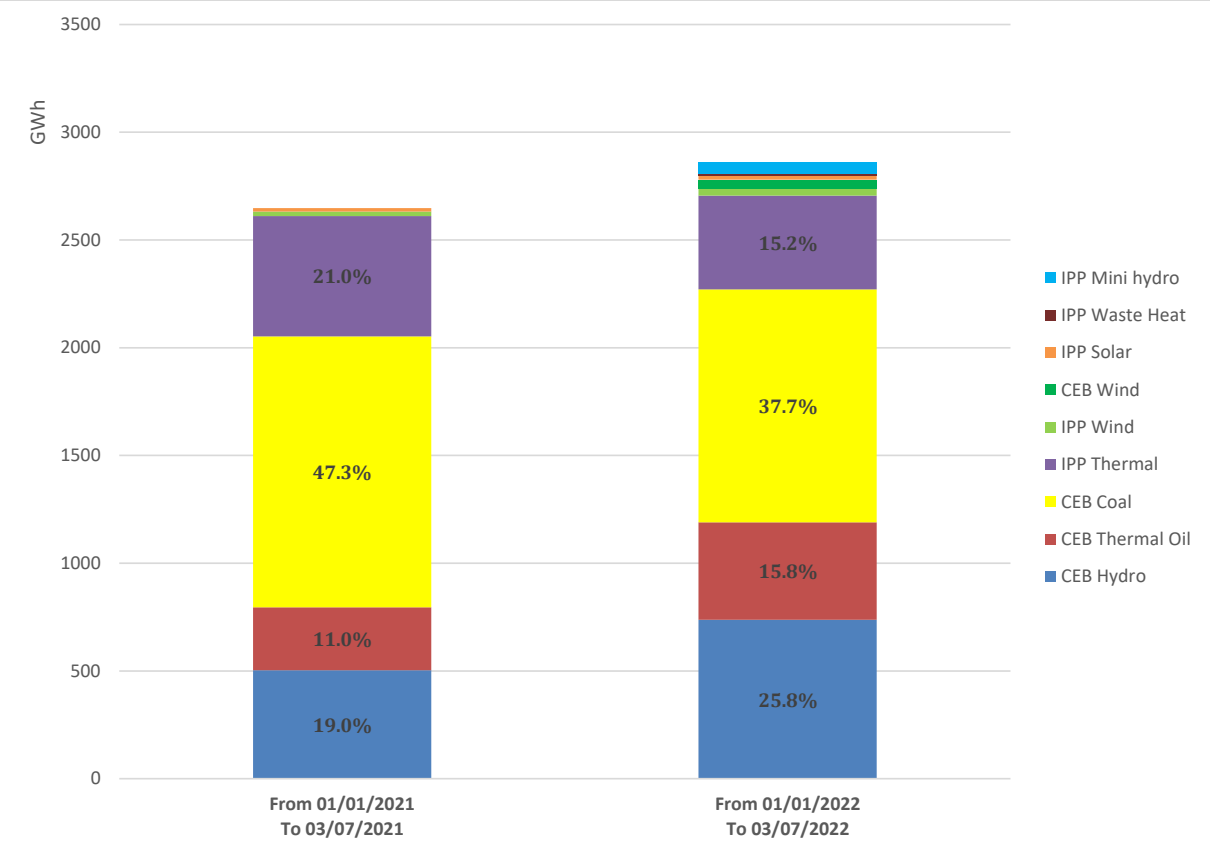
## Solar Generation during the Previous day

March 6, 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 8, 2022

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