

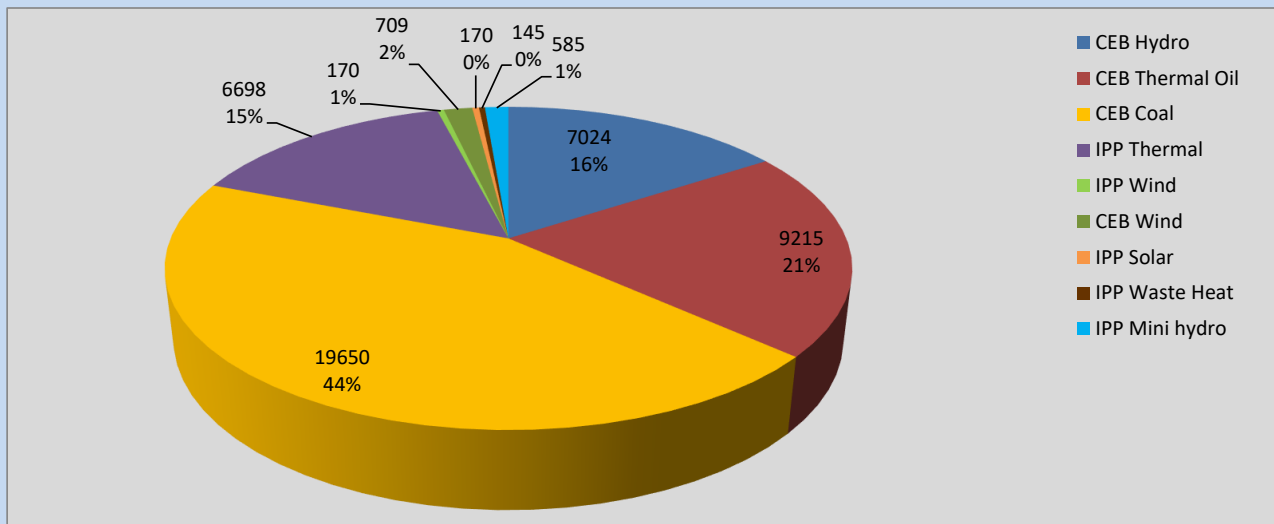
# Generation and Reservoirs Statistics

March 8, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation **44,500 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

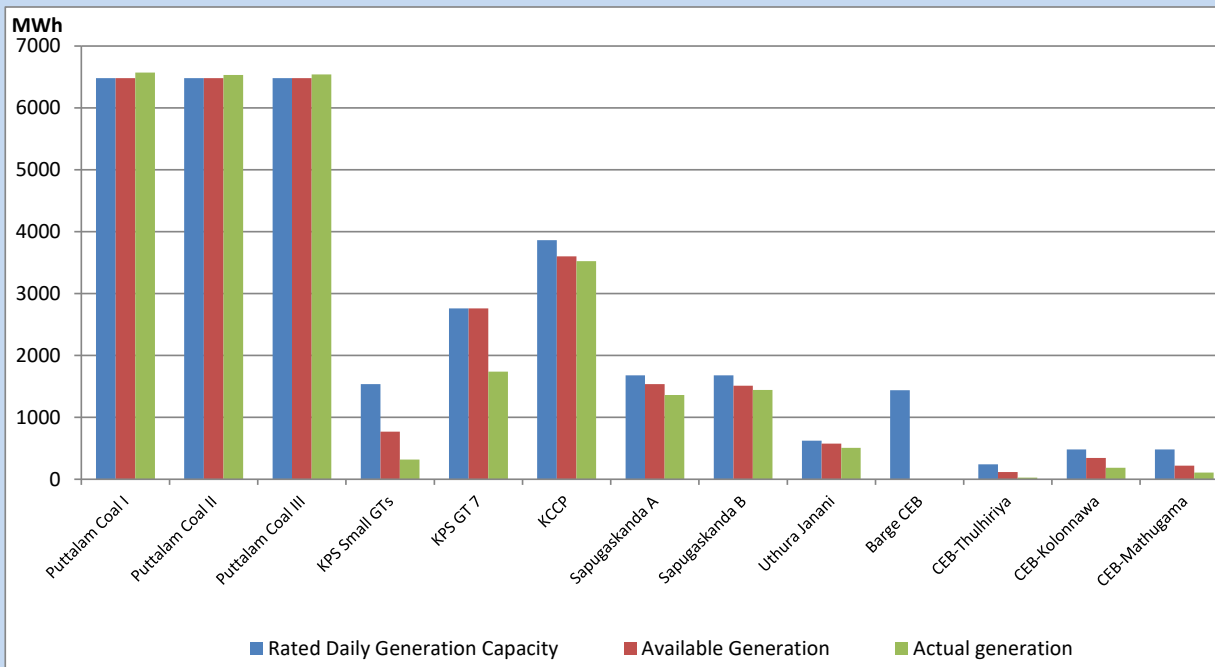
Category	Dispatch (GWh)	Percentage
CEB Hydro	66.82	19.44%
CEB Thermal Oil	49.83	14.50%
CEB Coal	156.60	45.56%
IPP Thermal	50.75	14.77%
SPP Wind	4.76	1.38%
CEB Wind	7.11	2.07%
SPP Solar	1.91	0.56%
SPP Solid Waste	1.58	0.46%
Mini Hydro	4.34	1.26%
<b>Total</b>	<b>343.70</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	744.6	25.62%
CEB Thermal Oil	462.1	15.89%
CEB Coal	1,100.2	37.85%
IPP Thermal	442.2	15.21%
SPP Wind	32.9	1.13%
CEB Wind	41.4	1.42%
SPP Solar	17.2	0.59%
SPP Solid Waste	12.7	0.44%
Mini Hydro	54.0	1.86%
<b>Total</b>	<b>2,906.9</b>	

## CEB owned Thermal Plant Dispatch

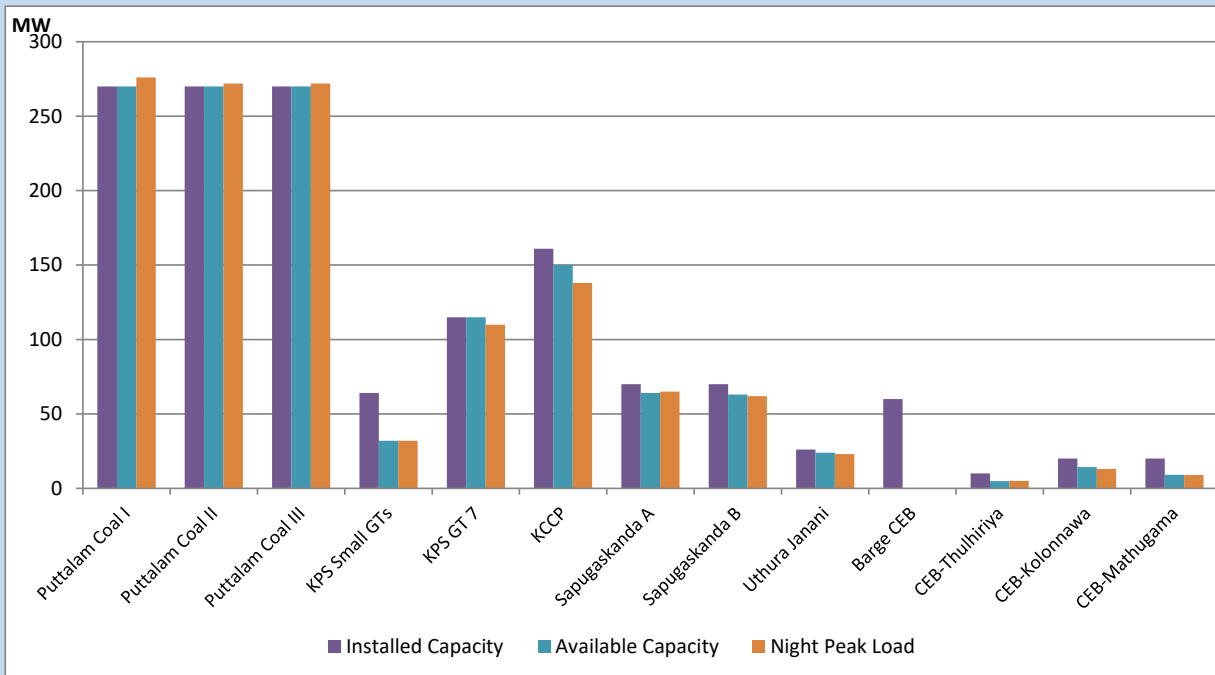
March 8, 2022



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

March 9, 2022

## CEB owned Thermal Plant Loading at the Night Peak



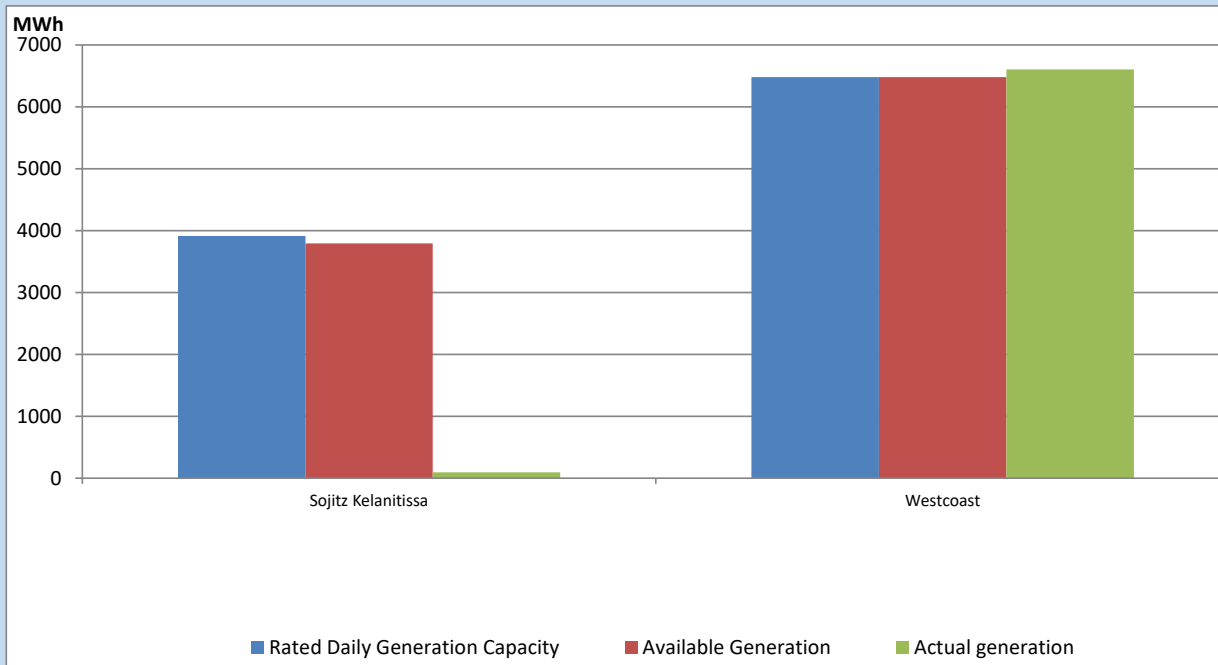
Note- Plant availability is recorded at 6.00 am on

March 9, 2022

## IPP owned Thermal Plant Dispatch

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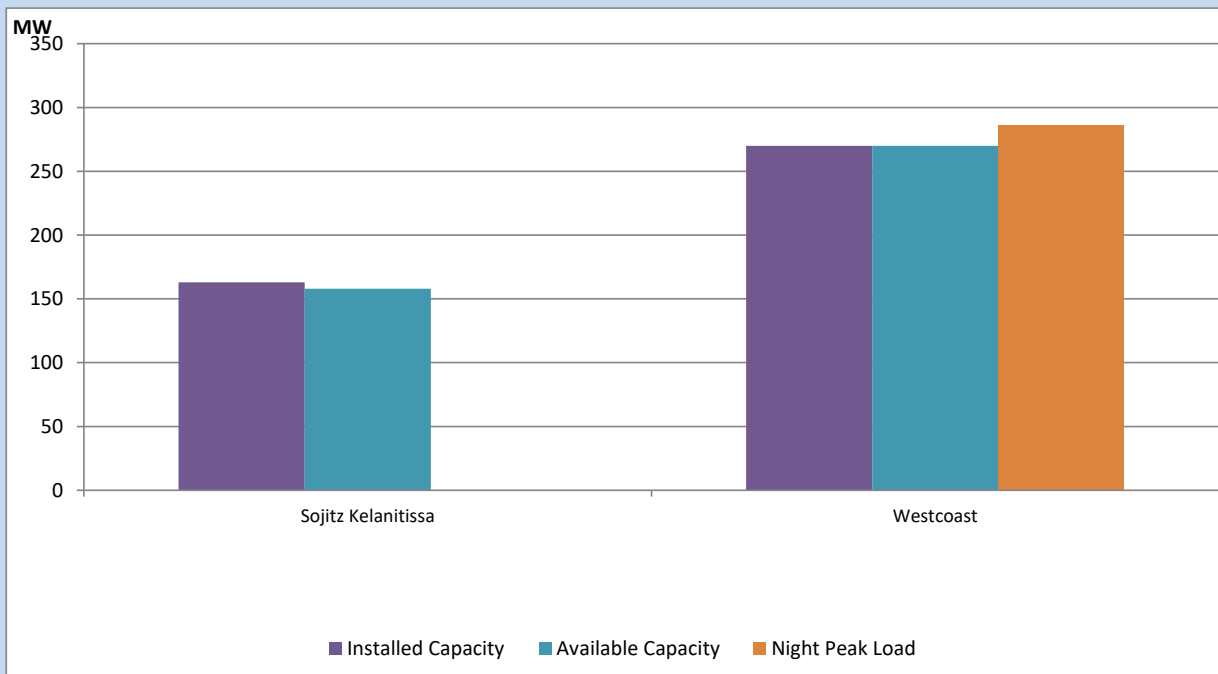
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

March 9, 2022

## IPP owned Thermal Plant Loading at the Night Peak

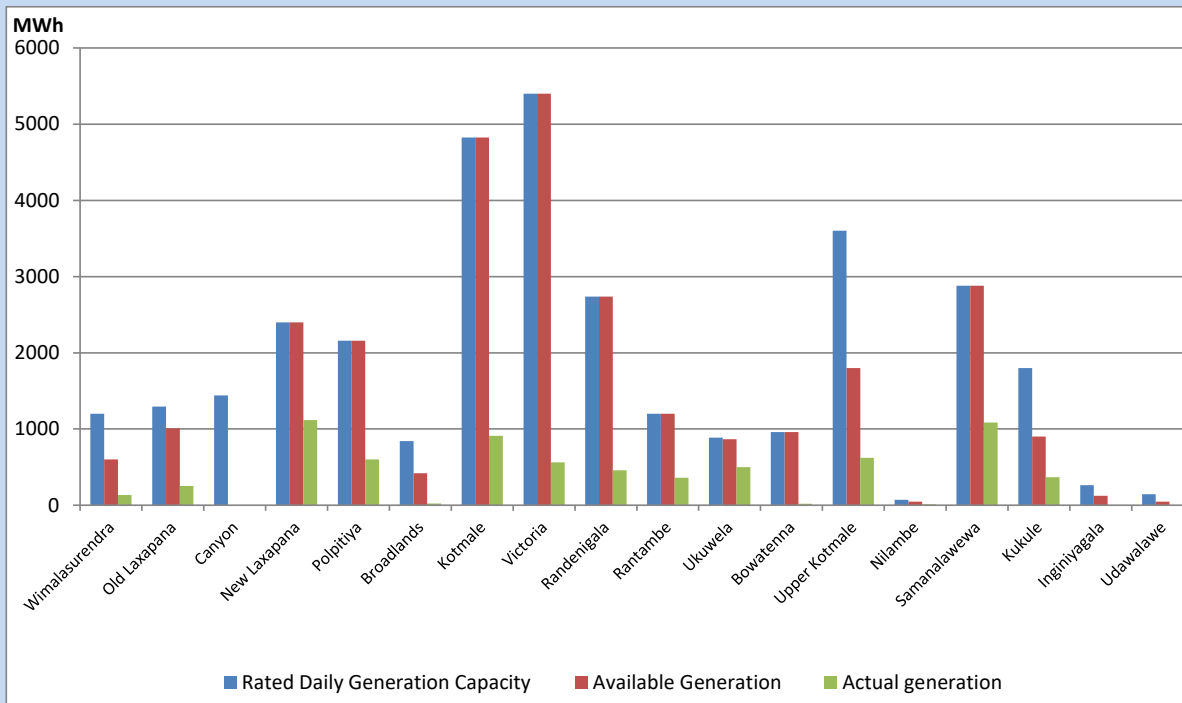


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

March 8, 2022

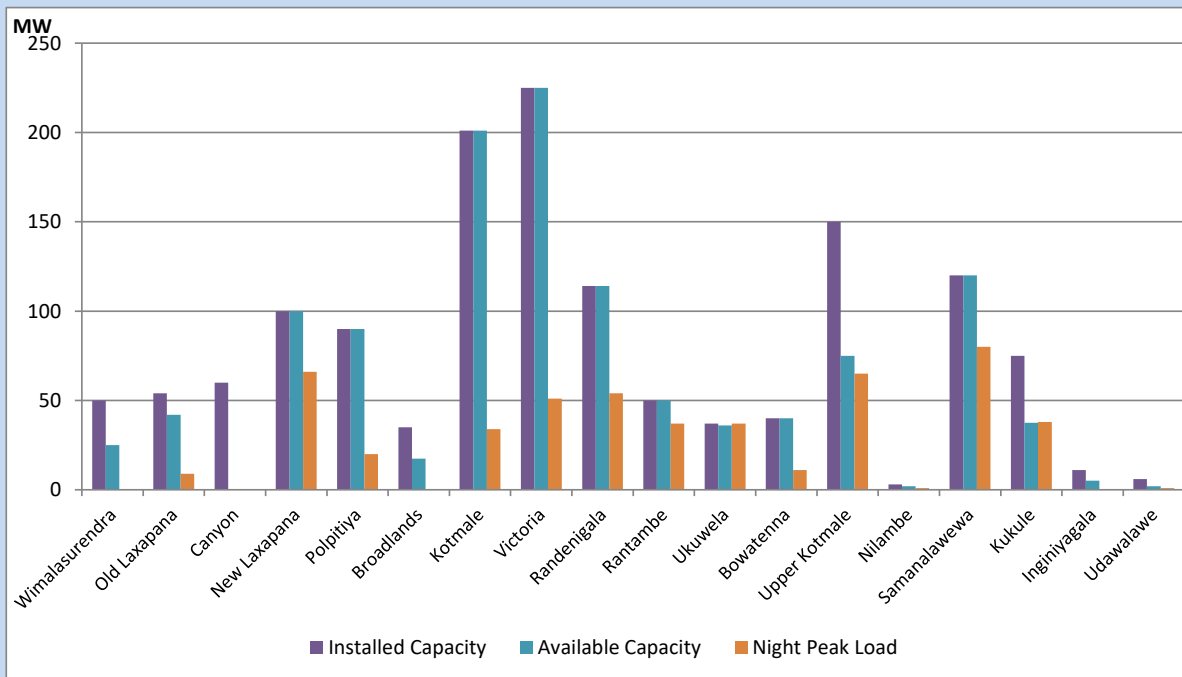


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

March 9, 2022

## Major Hydro Plant Loading at Night Peak

March 8, 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

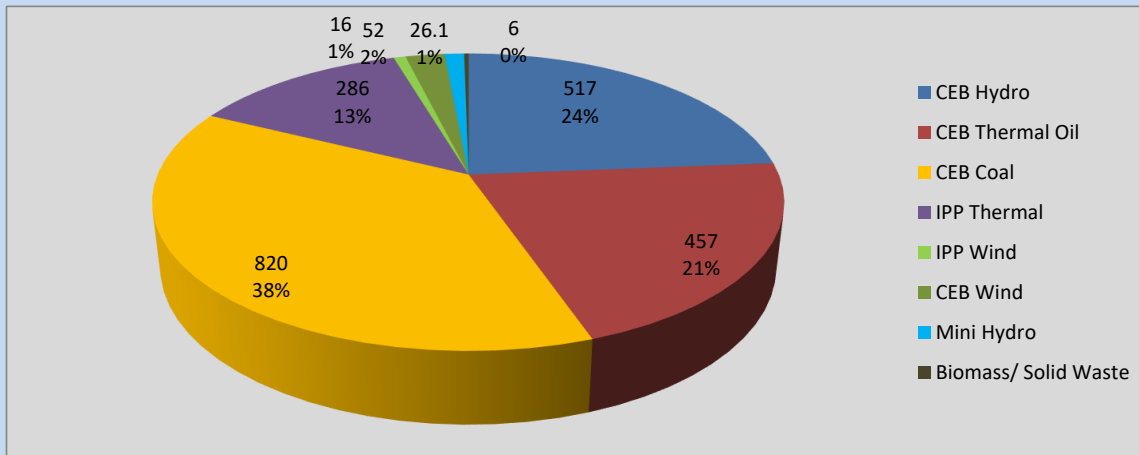
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	135
Old Laxapana	54	42	9	254
Canyon	60	0	0	0
New Laxapana	100	100	66	1,115
Polpitiya	90	90	20	600
Broadlands	35	18	0	22
Kotmale	201	201	34	910
Victoria	225	225	51	562
Randenigala	114	114	54	457
Rantambe	50	50	37	360
Ukuwela	37	36	37	501
Bowatenna	40	40	11	20
Upper Kotmale	150	75	65	623
Nilambe	3	2	1	11
Samanalawewa	120	120	80	1,087
Kukule	75	38	38	367
Inginiyagala	11	5	0	0
Udawalawe	6	2	1	0
Puttalam Coal I	270	270	276	6,572
Puttalam Coal II	270	270	272	6,535
Puttalam Coal III	270	270	272	6,543
KPS Small GTs	64	32	32	318
KPS GT 7	115	115	110	1,741
KCCP	161	150	138	3,526
Sapugaskanda A	70	64	65	1,360
Sapugaskanda B	70	63	62	1,441
Uthura Janani	26	24	23	507
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	5	5	27
CEB-Kolonnawa	20	14	13	187
CEB-Mathugama	20	9	9	108
Sojitz Kelanitissa	163	158	0	93
West Coast	270	270	286	6,605
<b>Total</b>	<b>3,280</b>	<b>2,897</b>	<b>2,167</b>	<b>44,500</b>

Plant availability is the availability recorded at 6 am on

March 9, 2022

## Contribution to the Night Peak in MW

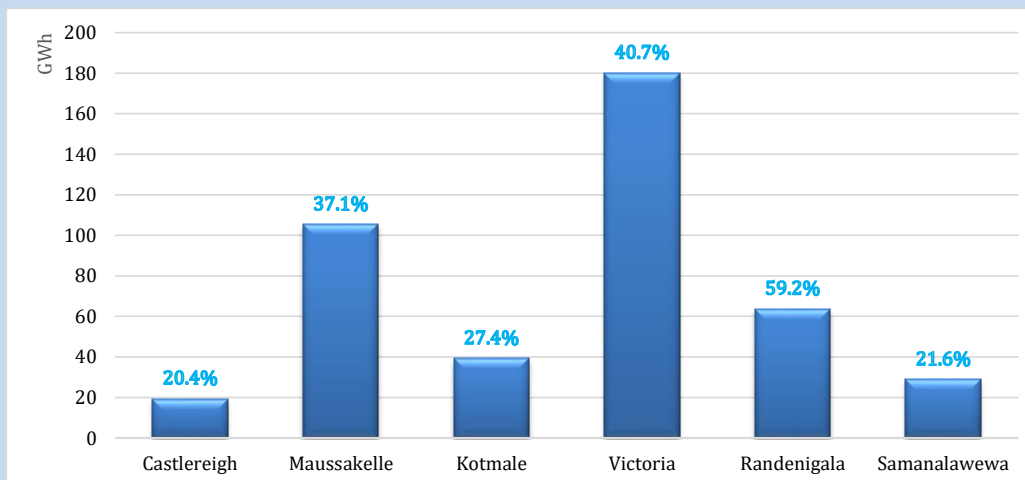
March 8, 2022



Night Peak*	2,180.1 MW
Day Peak	1,926.9 MW
Minimum Demand	1,507.7 MW

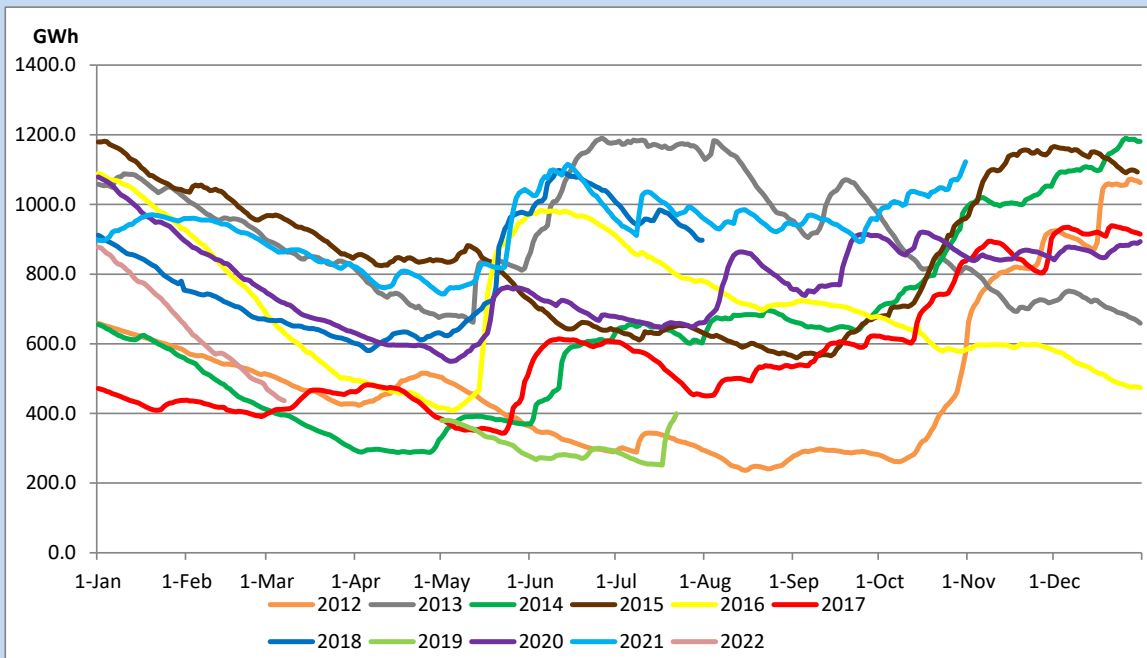
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on March 9, 2022



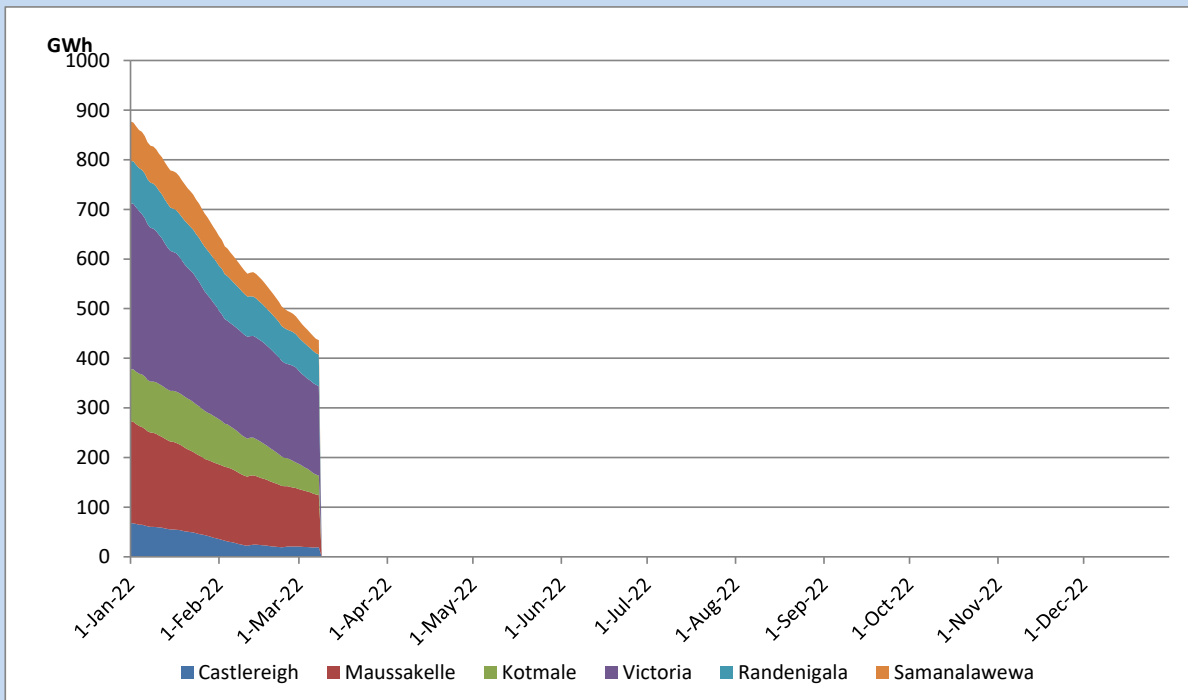
Total Reservoir Level	436.5 GWh
% of Total capacity	34.4%

## Comparison of Total Reservoir Storage Levels with Past Years



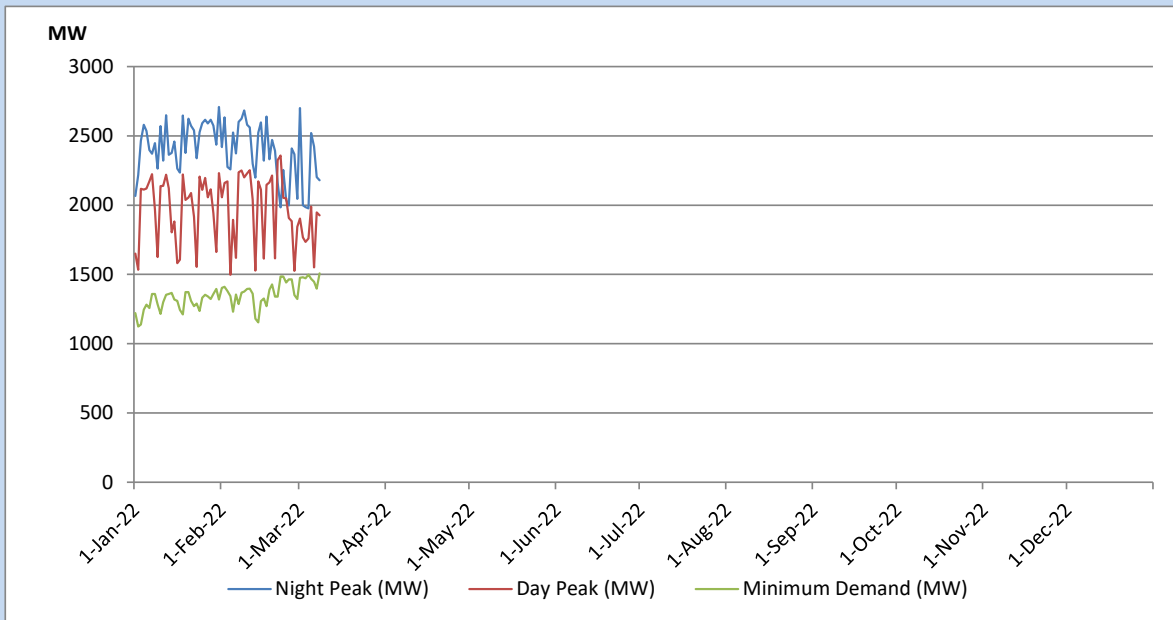
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

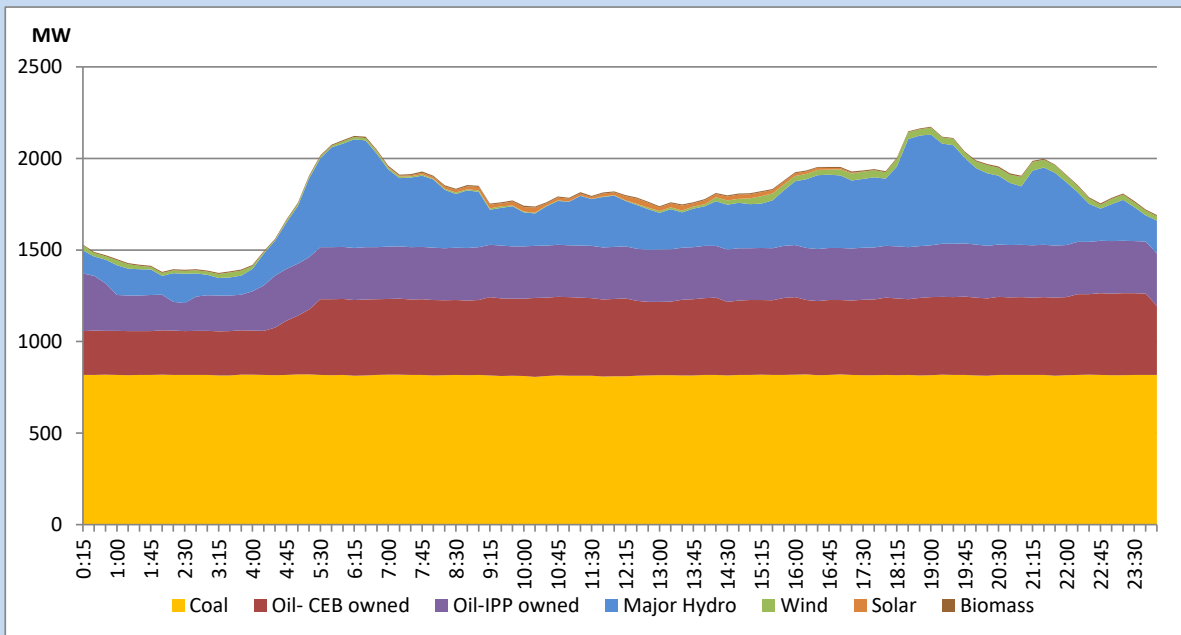


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

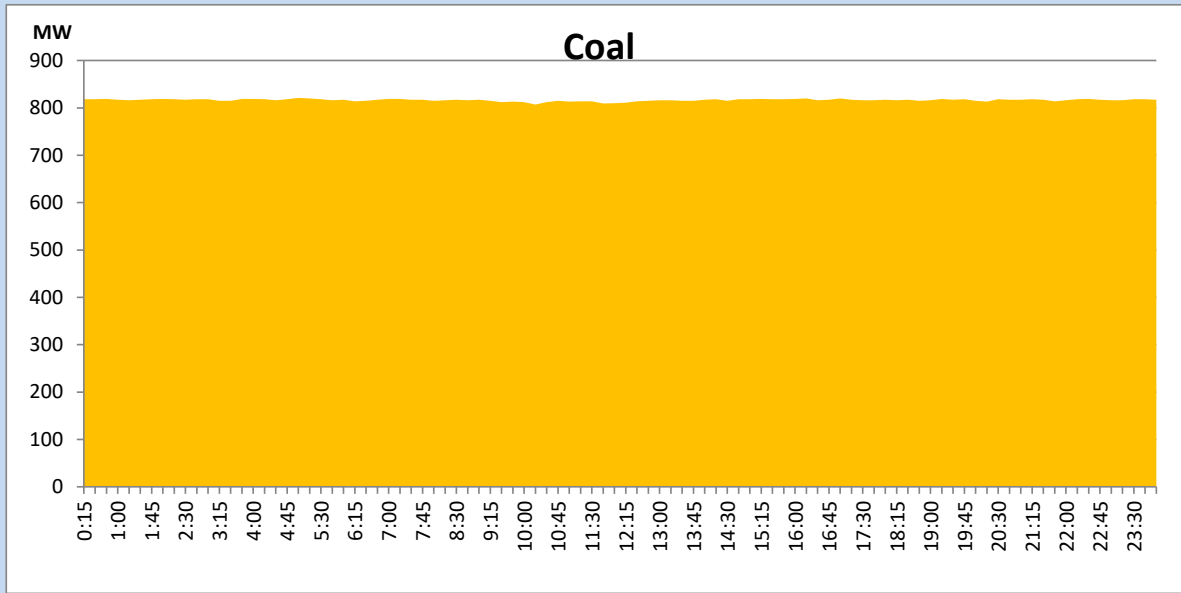
March 7, 2022

Solar and wind data is based on Telemetered Power Stations only



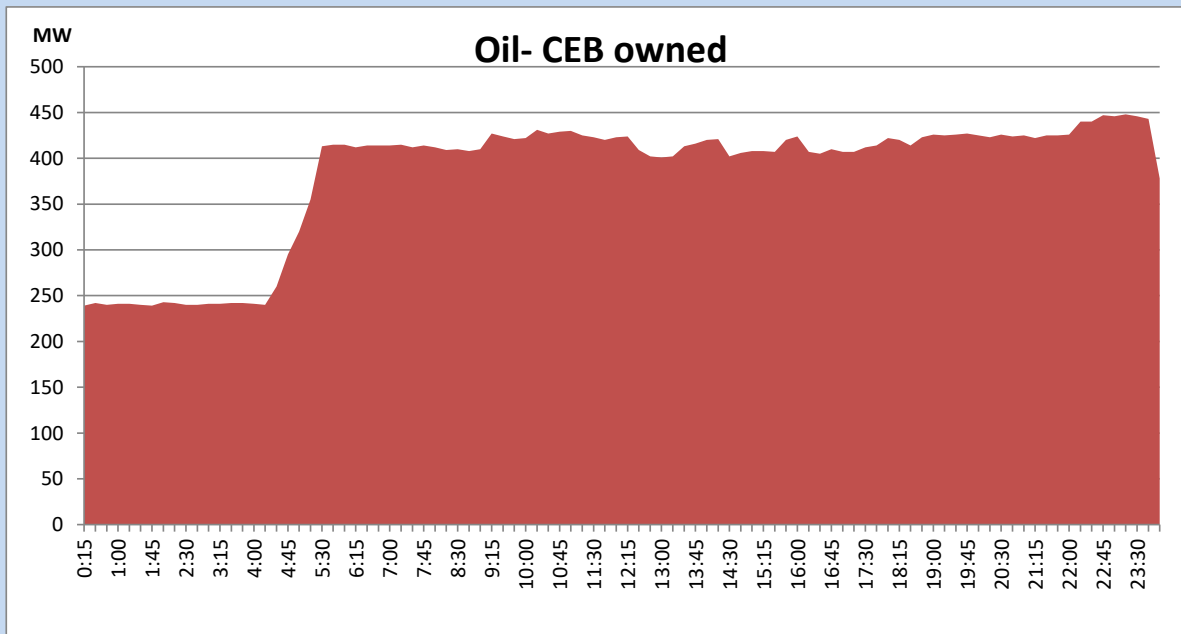
## Coal Generation during the Previous day

March 7, 2022



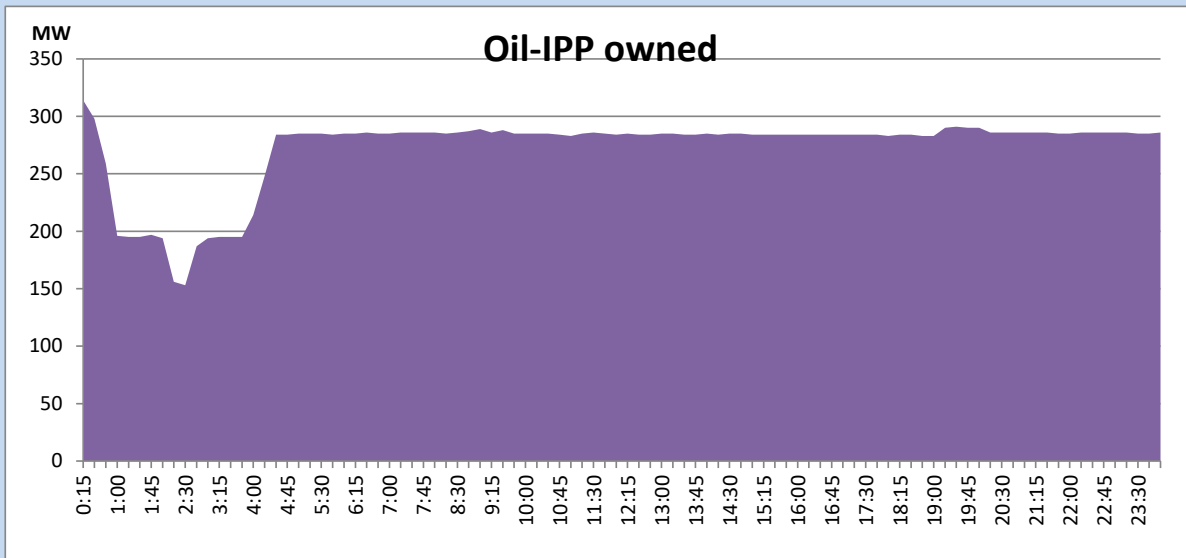
## CEB Oil Plant Generation during the Previous day

March 7, 2022



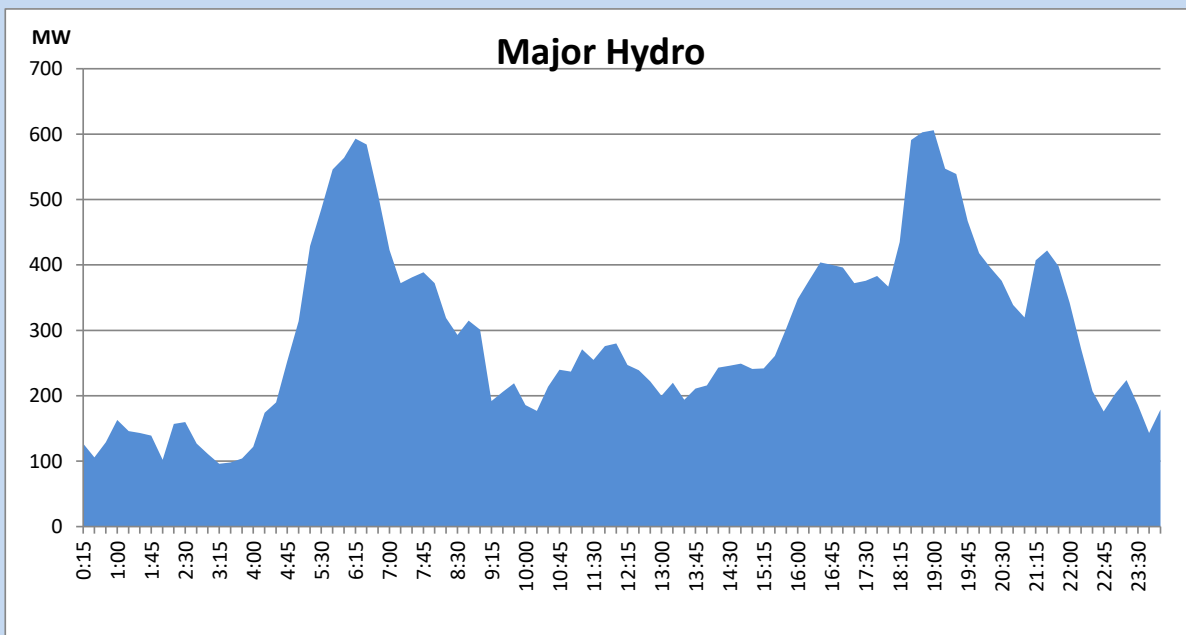
## IPP Oil Plant Generation during the Previous day

March 7, 2022



## Major Hydro Generation during the Previous day

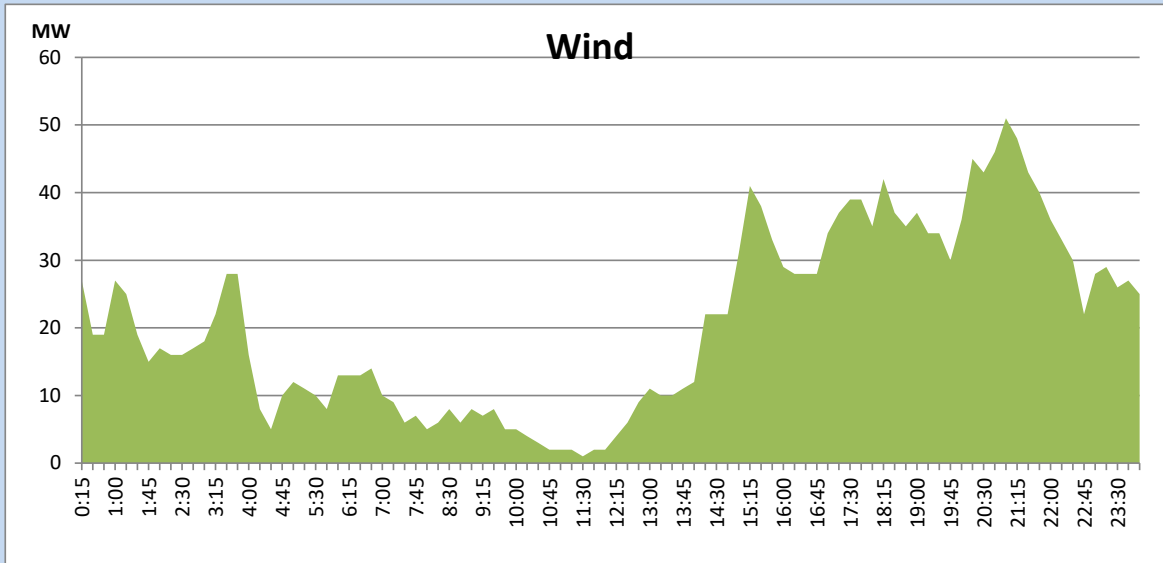
March 7, 2022



## Wind Generation during the Previous day

March 7, 2022

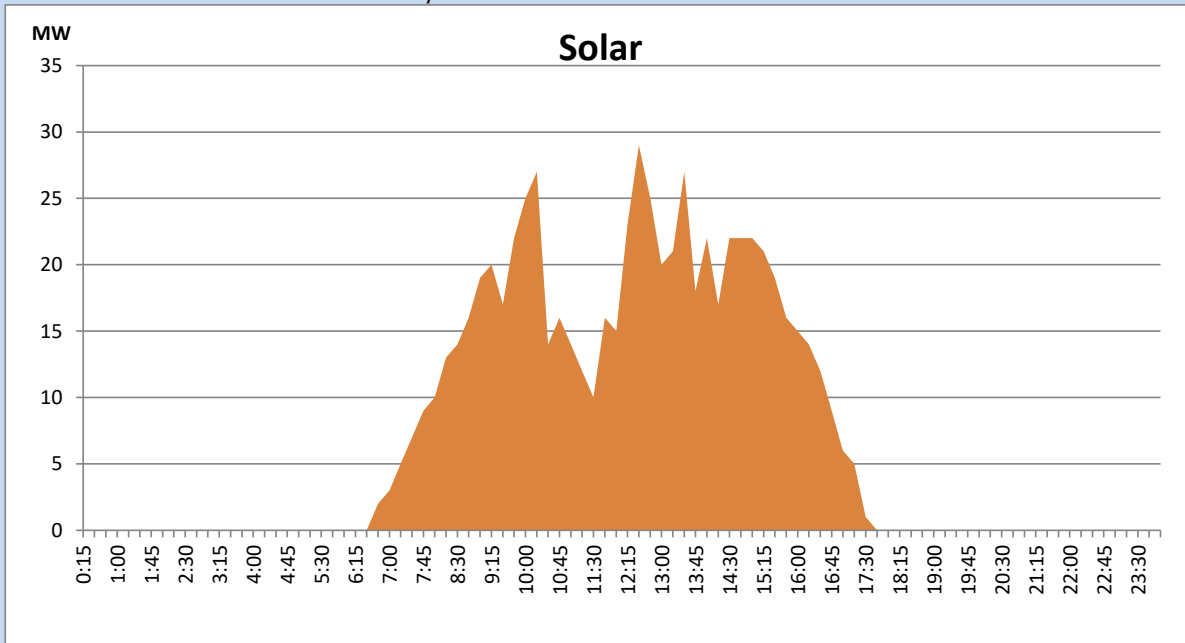
Based on Telemetered Power Stations only



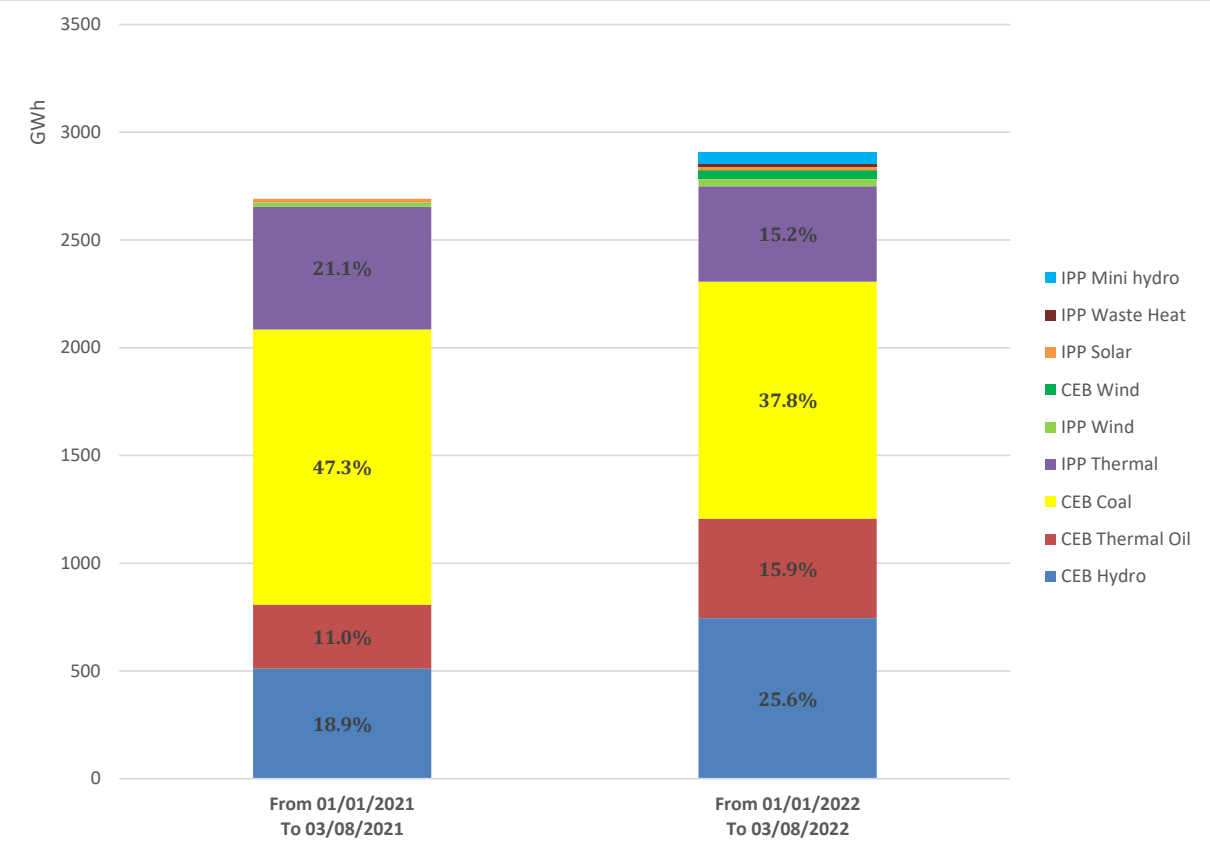
## Solar Generation during the Previous day

March 7, 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 9, 2022

- 1) Rotational manual load shedding was carried out from 08:00hrs to 23:00hrs.
- 2) Sapugaskanda Gss- Kelaniya Cct-02 tripped & A/R from kelaniya end and tripped from Sapugaskanda end at 20:34 hrs due to operation of DEF protection. Cct normalized at 20:40 hrs.