

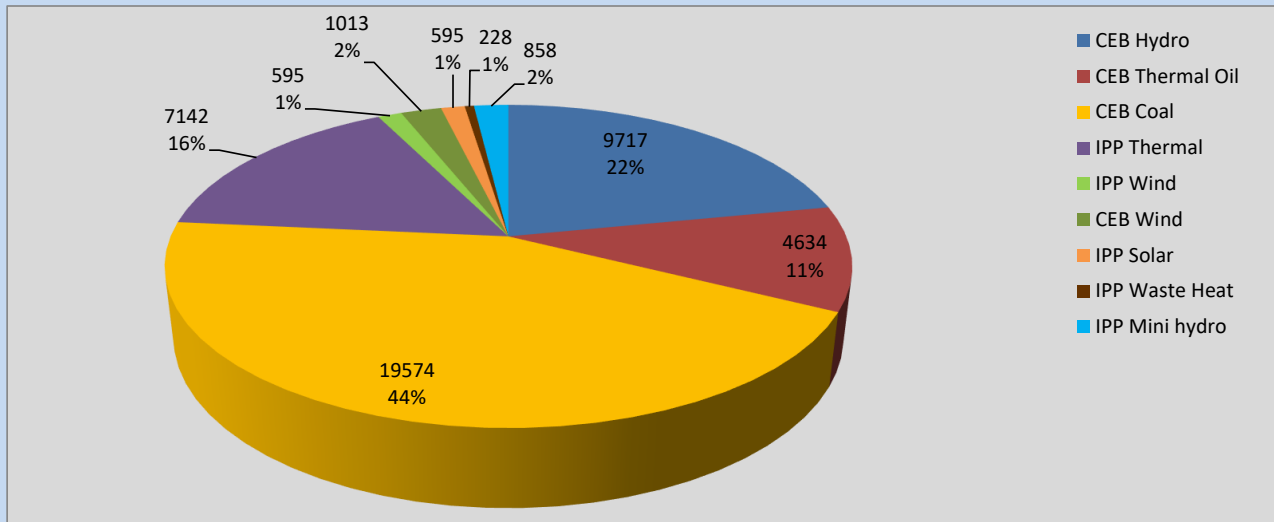
# Generation and Reservoirs Statistics

February 24, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **44,049 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

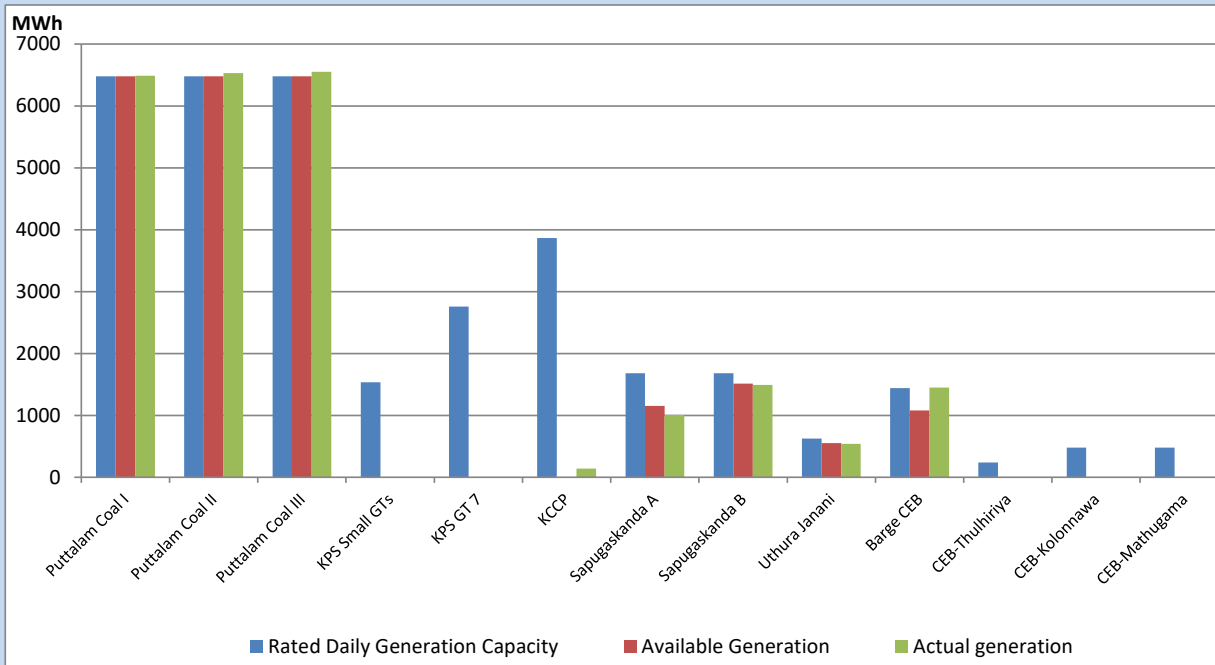
Category	Dispatch (GWh)	Percentage
CEB Hydro	240.5	22.80%
CEB Thermal Oil	151.2	14.33%
CEB Coal	458.5	43.46%
IPP Thermal	155.6	14.75%
SPP Wind	10.3	0.97%
CEB Wind	12.8	1.21%
SPP Solar	6.0	0.57%
SPP Solid Waste	1.9	0.18%
Mini Hydro	18.2	1.72%
<b>Total</b>	<b>1,054.9</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	647.8	27.05%
CEB Thermal Oil	395.3	16.50%
CEB Coal	865.8	36.15%
IPP Thermal	359.7	15.02%
SPP Wind	25.6	1.07%
CEB Wind	30.9	1.29%
SPP Solar	14.0	0.58%
SPP Solid Waste	10.1	0.42%
Mini Hydro	46.3	1.93%
<b>Total</b>	<b>2,395.1</b>	

## CEB owned Thermal Plant Dispatch

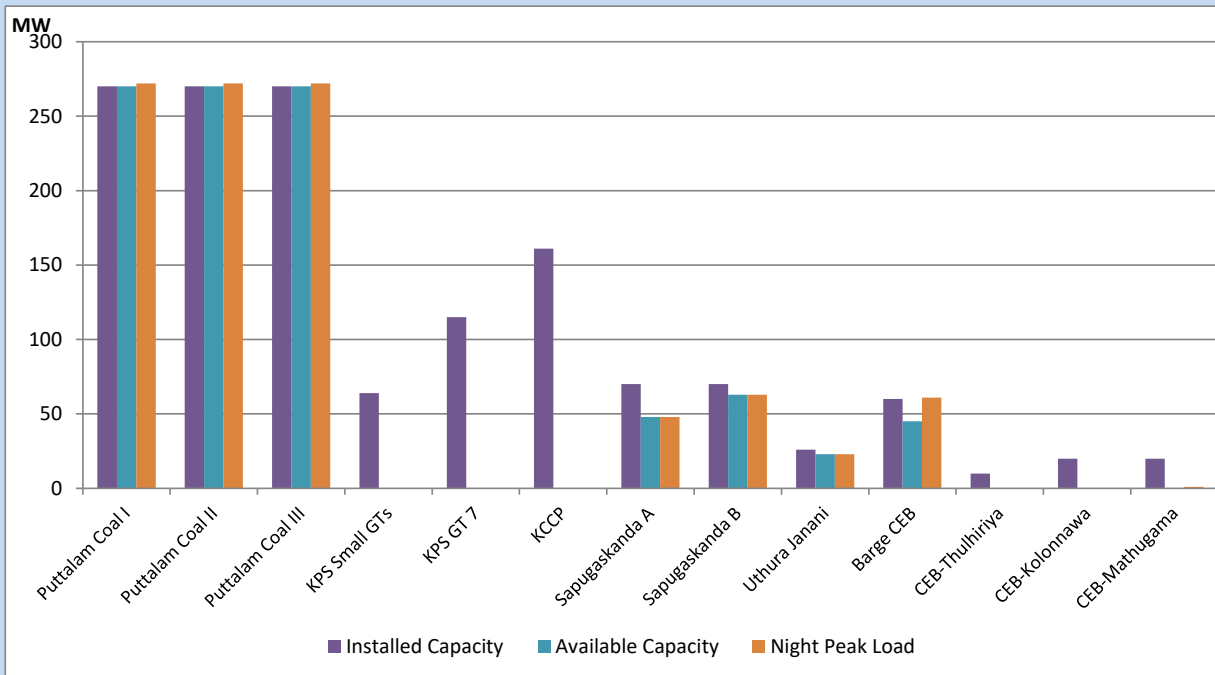
February 24, 2022



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

February 25, 2022

## CEB owned Thermal Plant Loading at the Night Peak



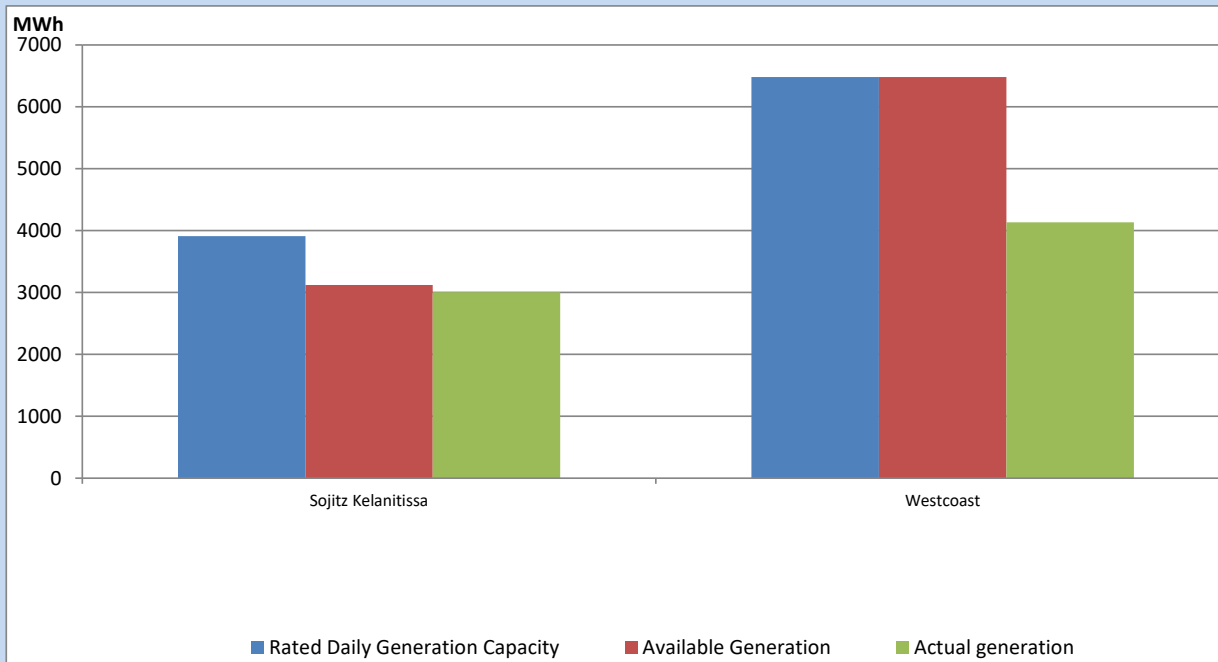
Note- Plant availability is recorded at 6.00 am on

February 25, 2022

## IPP owned Thermal Plant Dispatch

February 24, 2022

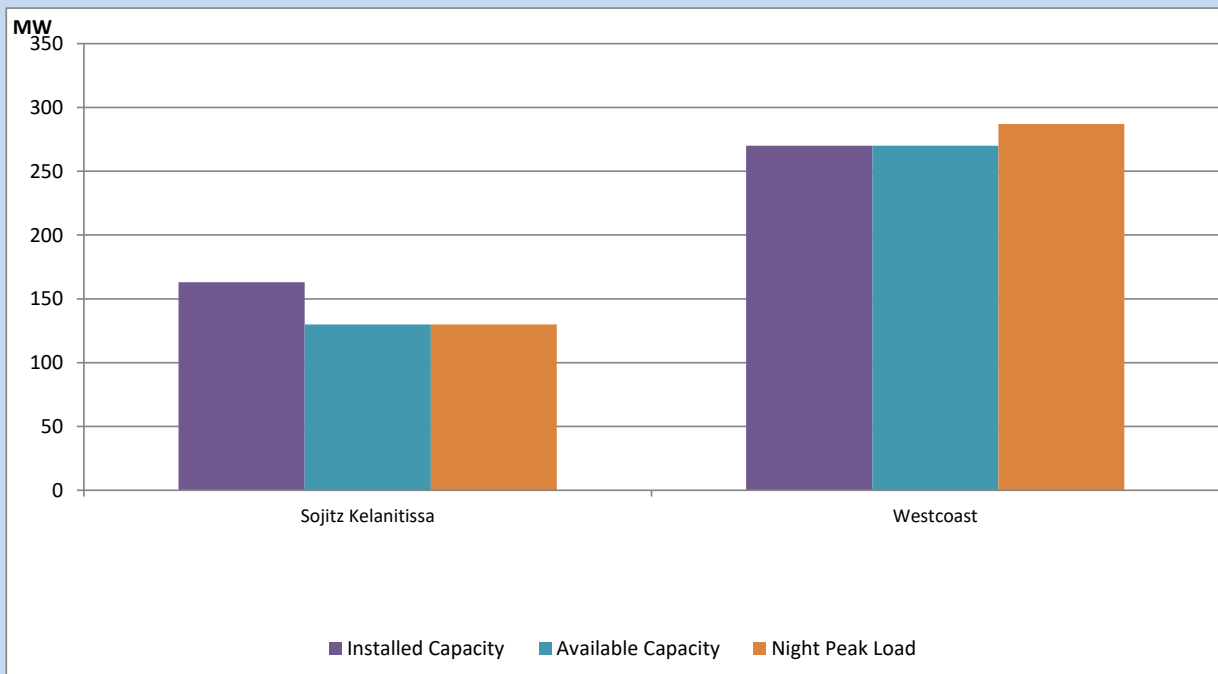
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

February 25, 2022

## IPP owned Thermal Plant Loading at the Night Peak

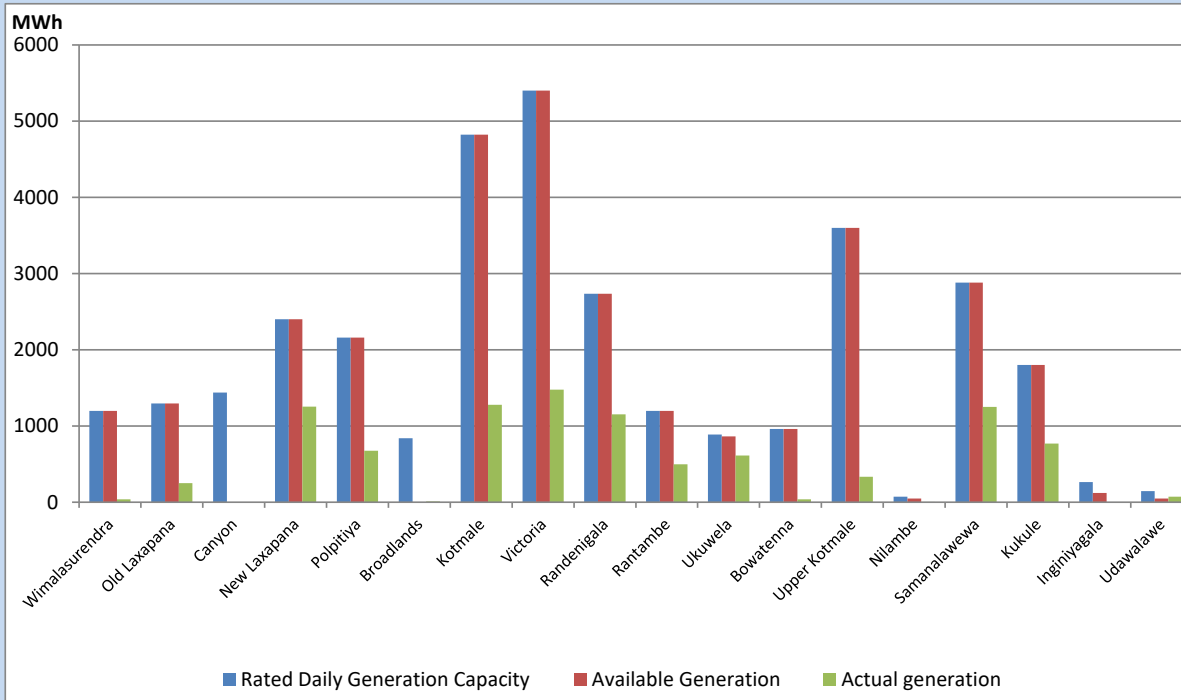


Note- Plant availability is recorded at 6.00 am on

February 25, 2022

## Major Hydro Plant Dispatch

February 24, 2022

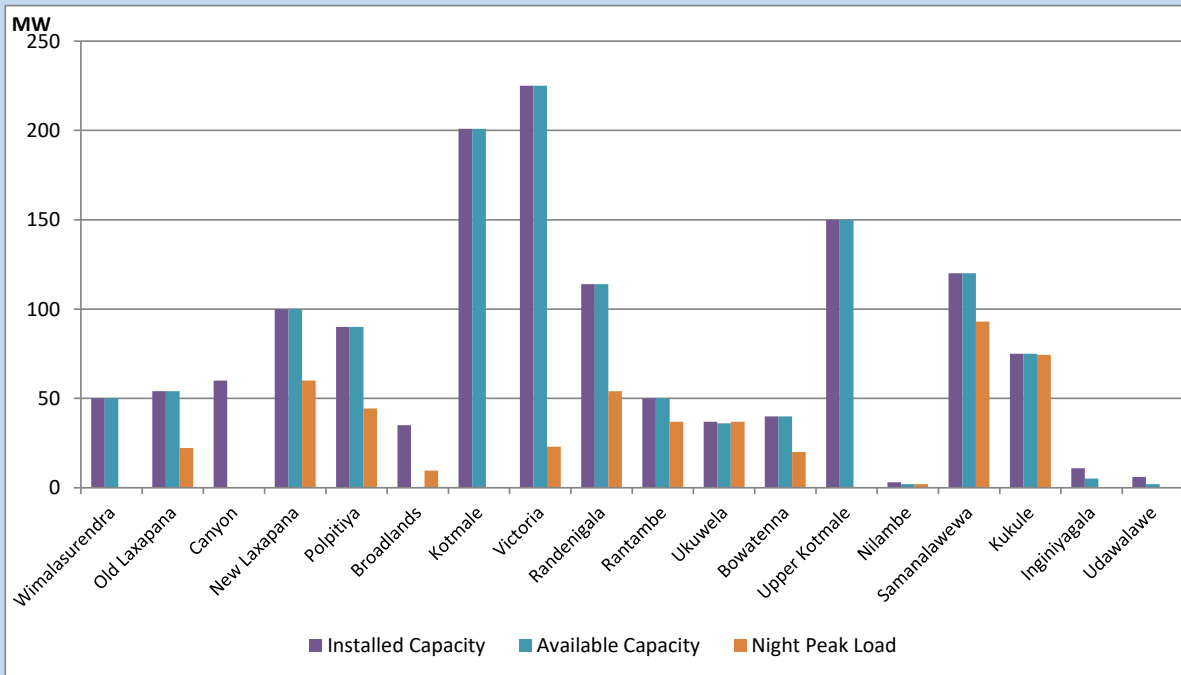


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 25, 2022

## Major Hydro Plant Loading at Night Peak

February 24, 2022



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

February 25, 2022

## Summary of Major Plant performance

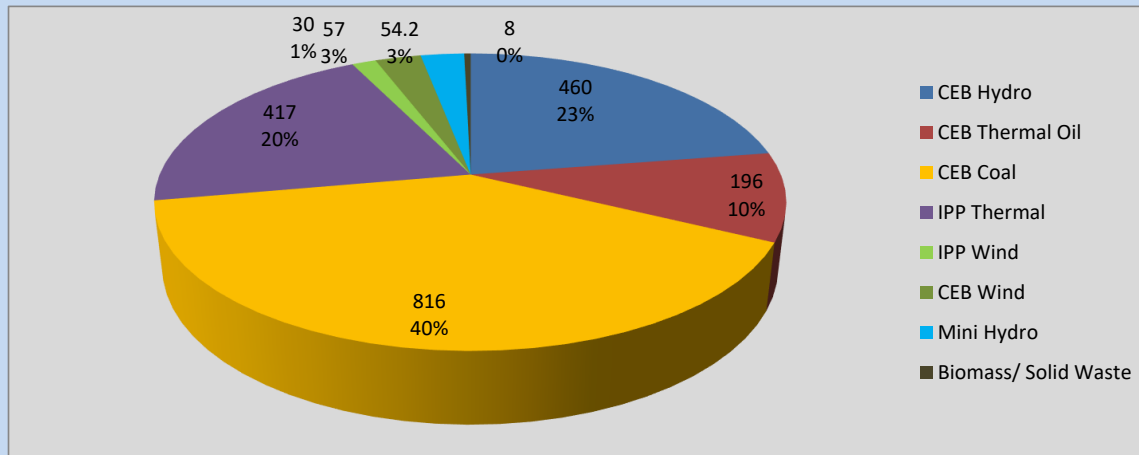
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	0	39
Old Laxapana	54	54	22	251
Canyon	60	0	0	0
New Laxapana	100	100	60	1,254
Polpitiya	90	90	44	677
Broadlands	35	0	10	9
Kotmale	201	201	0	1,280
Victoria	225	225	23	1,476
Randenigala	114	114	54	1,154
Rantambe	50	50	37	499
Ukuwela	37	36	37	613
Bowatenna	40	40	20	36
Upper Kotmale	150	150	0	334
Nilambe	3	2	2	3
Samanalawewa	120	120	93	1,250
Kukule	75	75	74	769
Inginiyagala	11	5	0	0
Udawalawe	6	2	0	73
Puttalam Coal I	270	270	272	6,489
Puttalam Coal II	270	270	272	6,532
Puttalam Coal III	270	270	272	6,553
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	0	0	140
Sapugaskanda A	70	48	48	1,009
Sapugaskanda B	70	63	63	1,493
Uthura Janani	26	23	23	541
Barge CEB	60	45	61	1,449
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	0	1	2
Sojitz Kelanitissa	163	130	130	3,006
West Coast	270	270	287	4,136
<b>Total</b>	<b>3,280</b>	<b>2,703</b>	<b>2,055</b>	<b>44,049</b>

Plant availability is the availability recorded at 6 am on

February 25, 2022

## Contribution to the Night Peak in MW

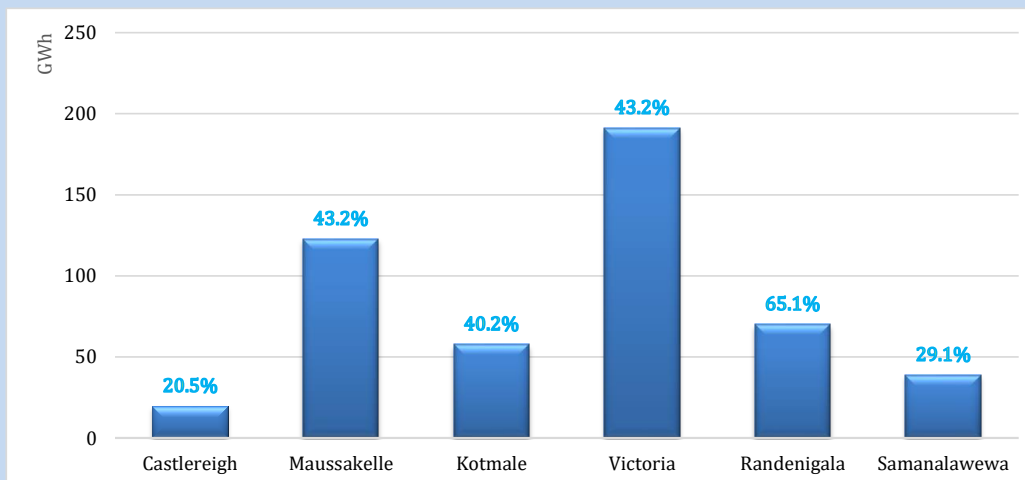
February 24, 2022



Night Peak*	2,037.8 MW
Day Peak	2,049.3 MW
Minimum Demand	1,440.7 MW

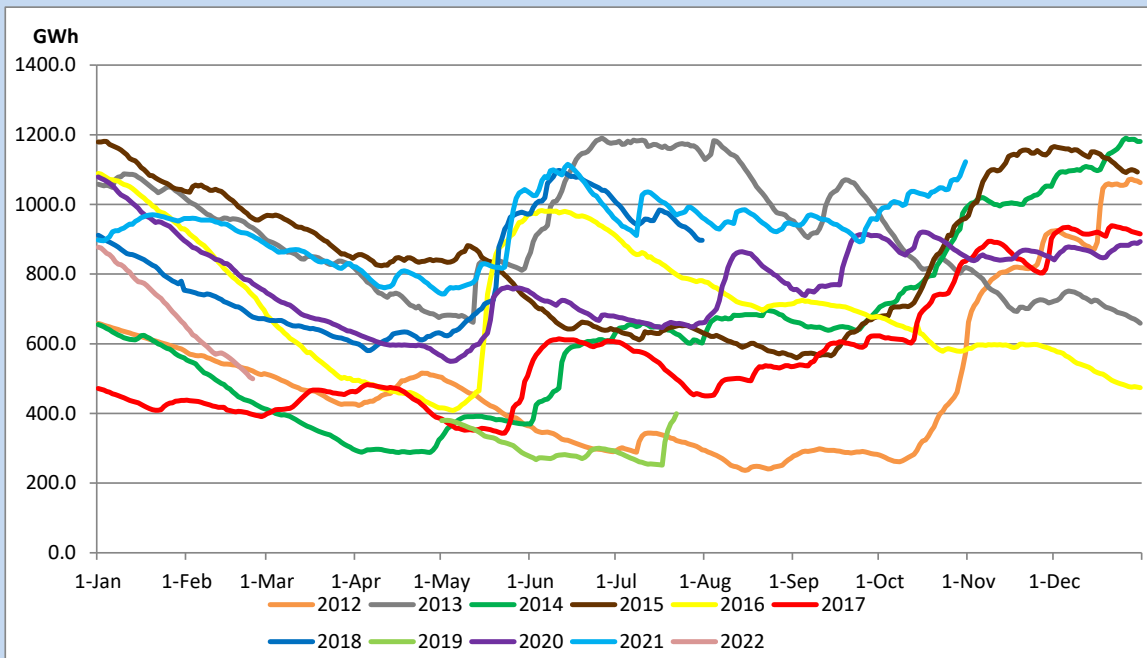
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on February 25, 2022



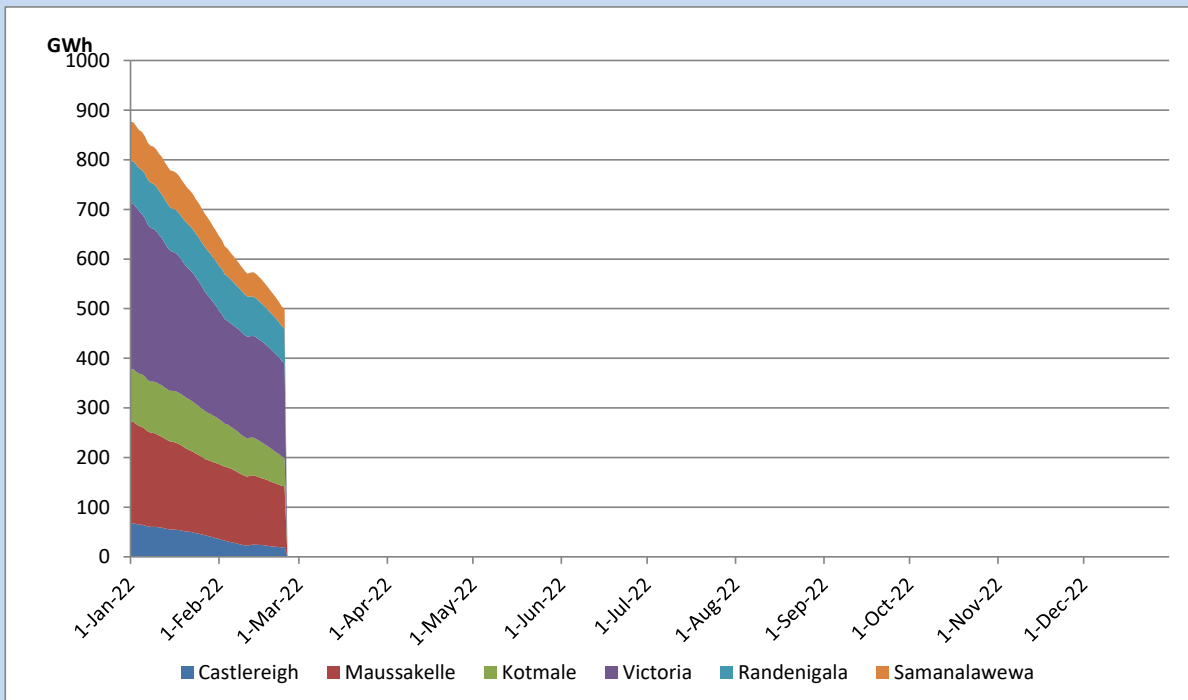
Total Reservoir Level	499.5 GWh
% of Total capacity	40.2%

## Comparison of Total Reservoir Storage Levels with Past Years



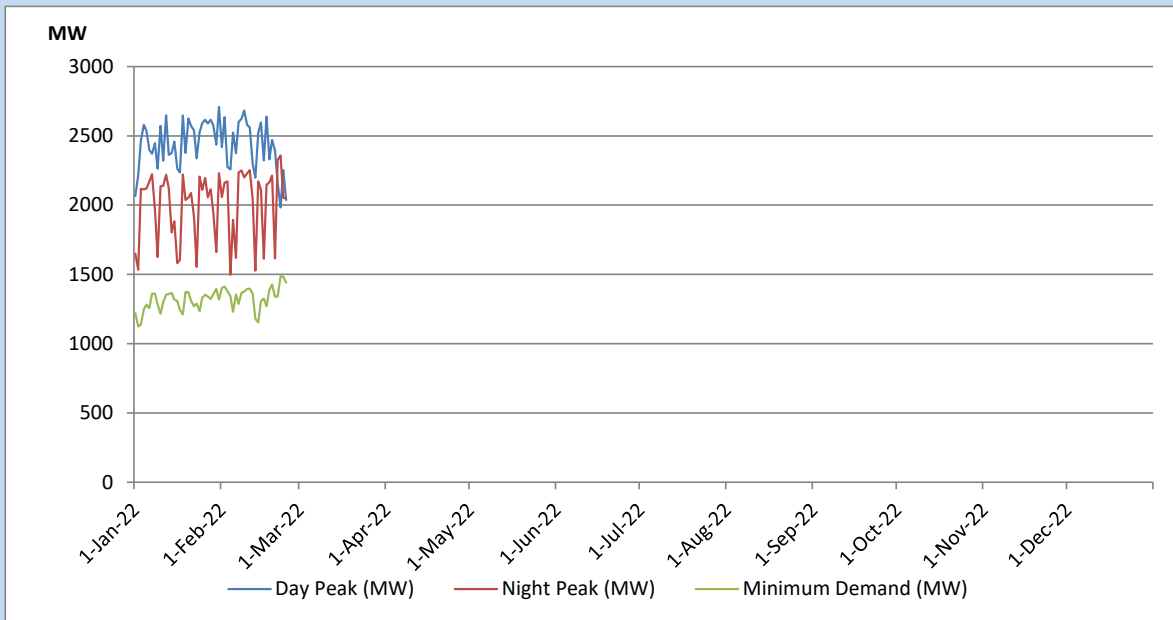
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

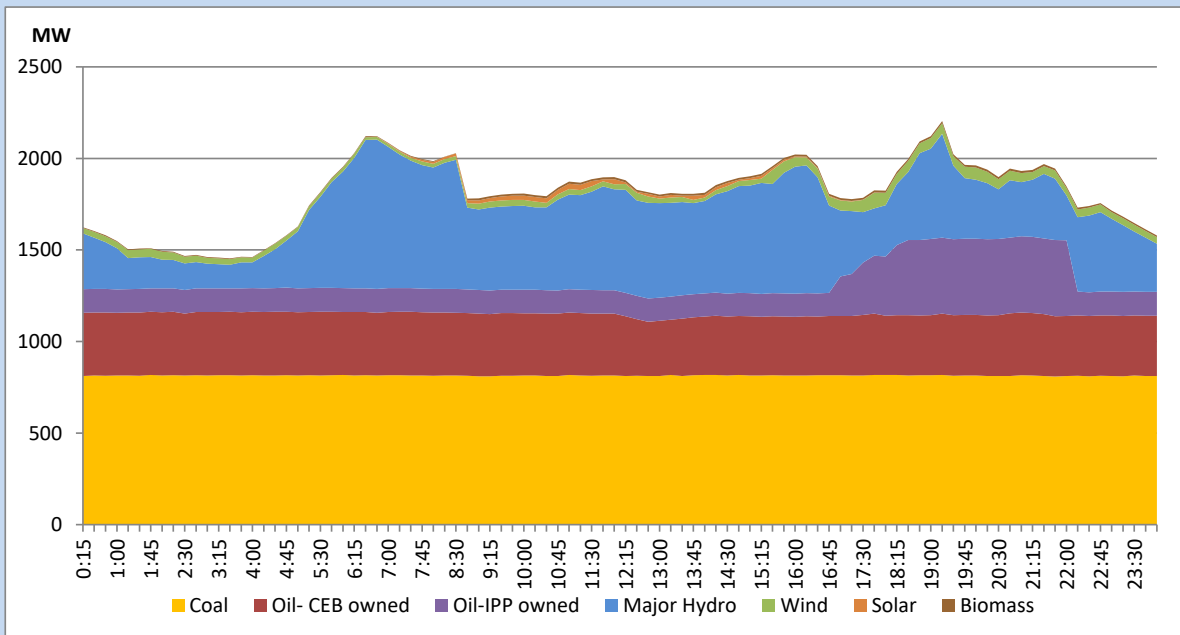


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

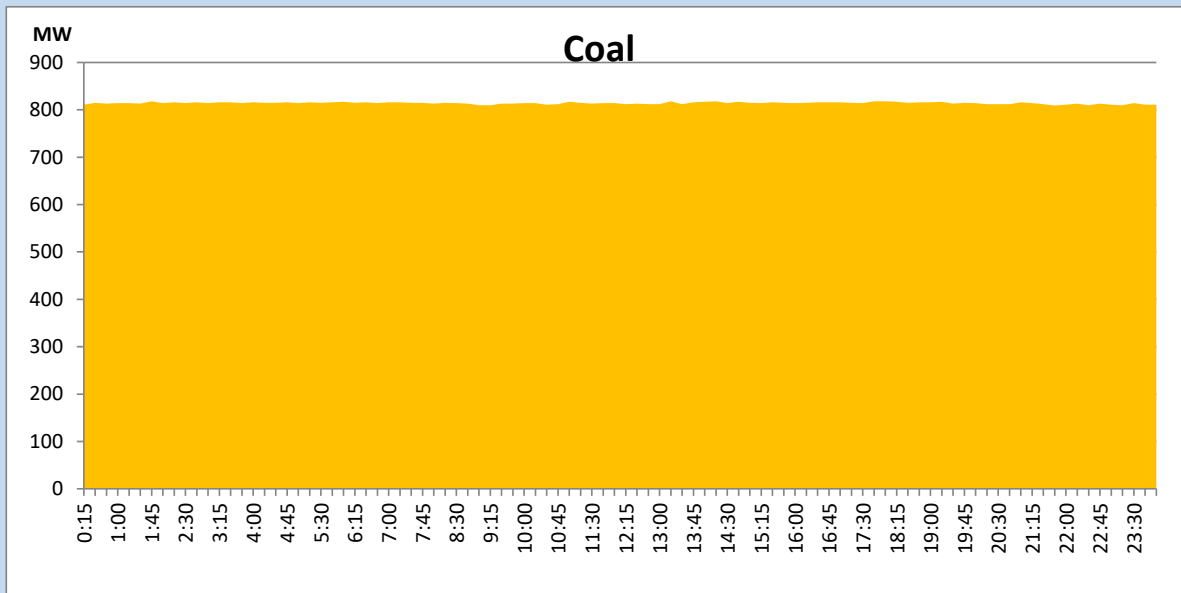
February 23, 2022

Solar and wind data is based on Telemetered Power Stations only



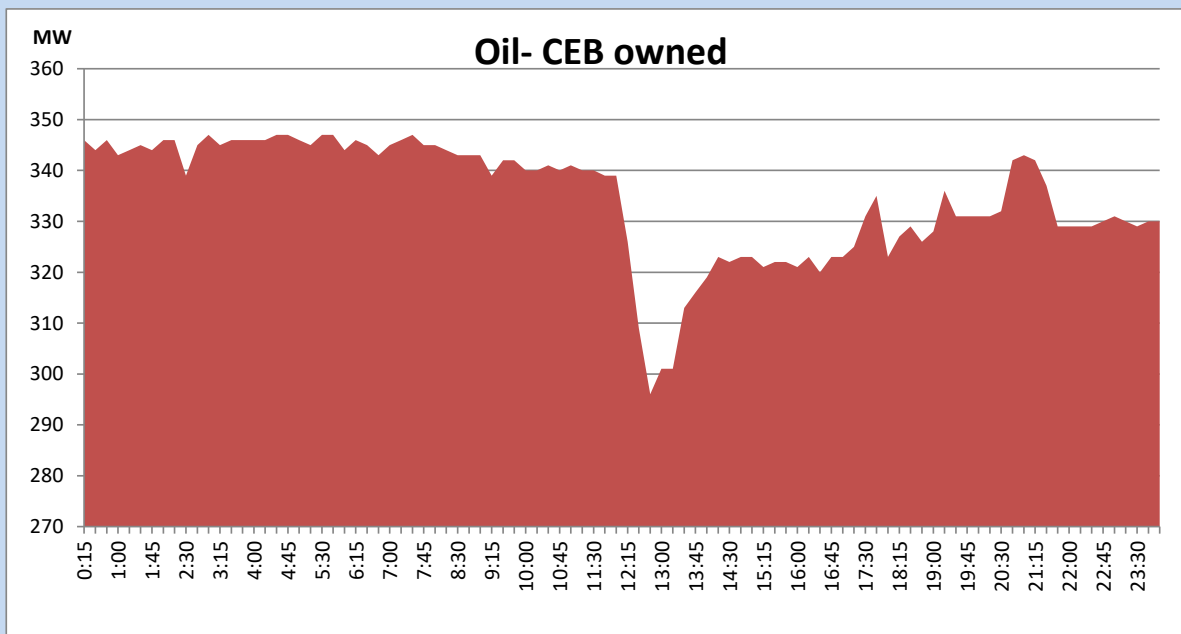
## Coal Generation during the Previous day

February 23, 2022



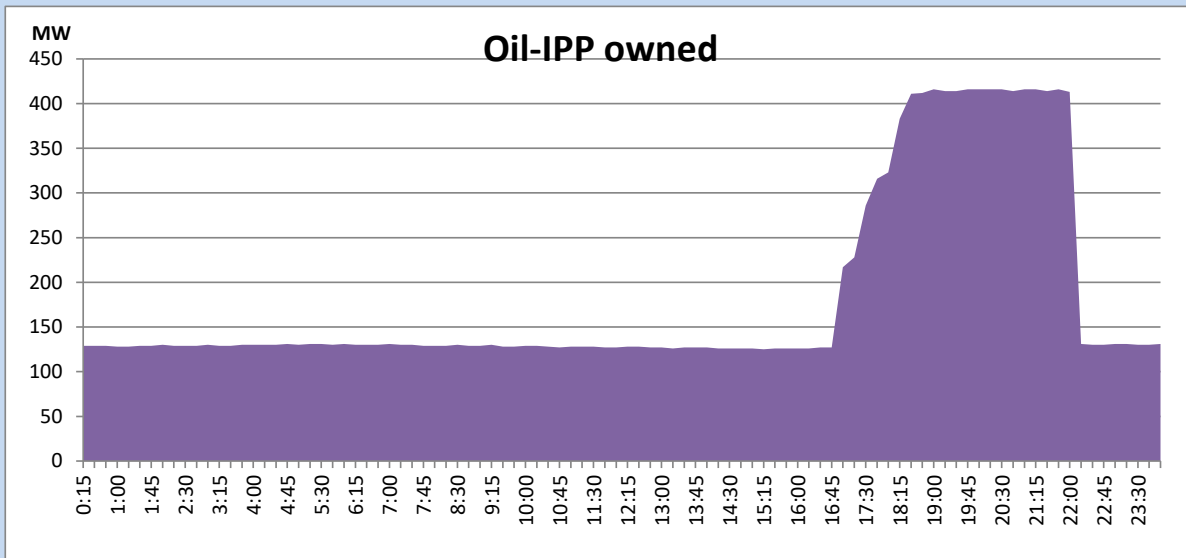
## CEB Oil Plant Generation during the Previous day

February 23, 2022



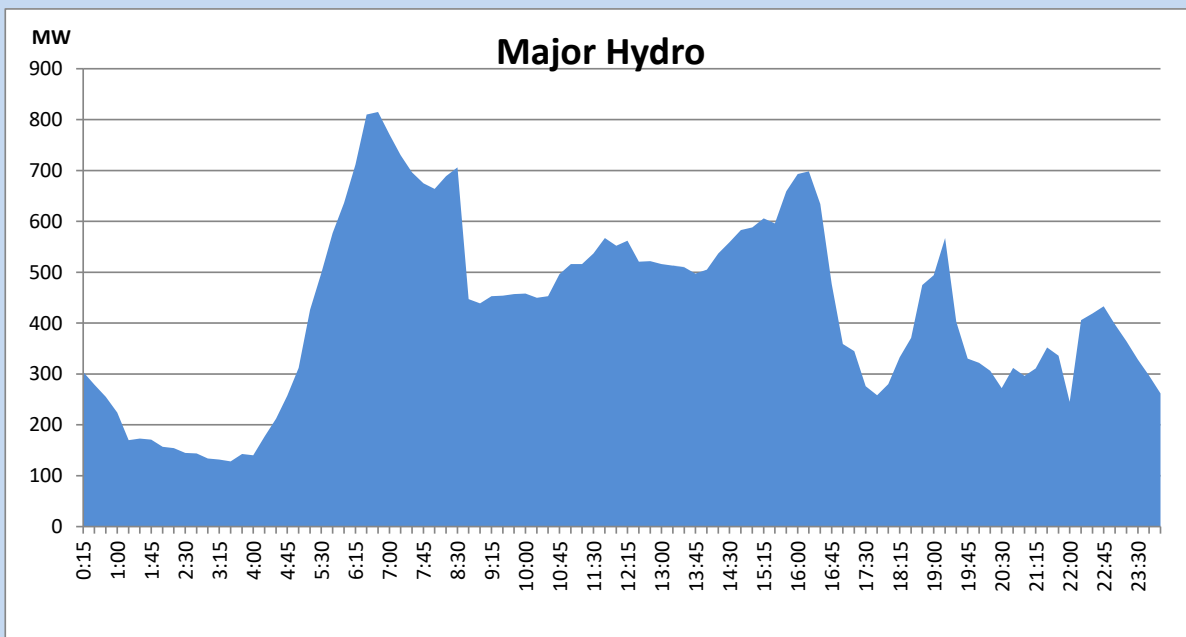
## IPP Oil Plant Generation during the Previous day

February 23, 2022



## Major Hydro Generation during the Previous day

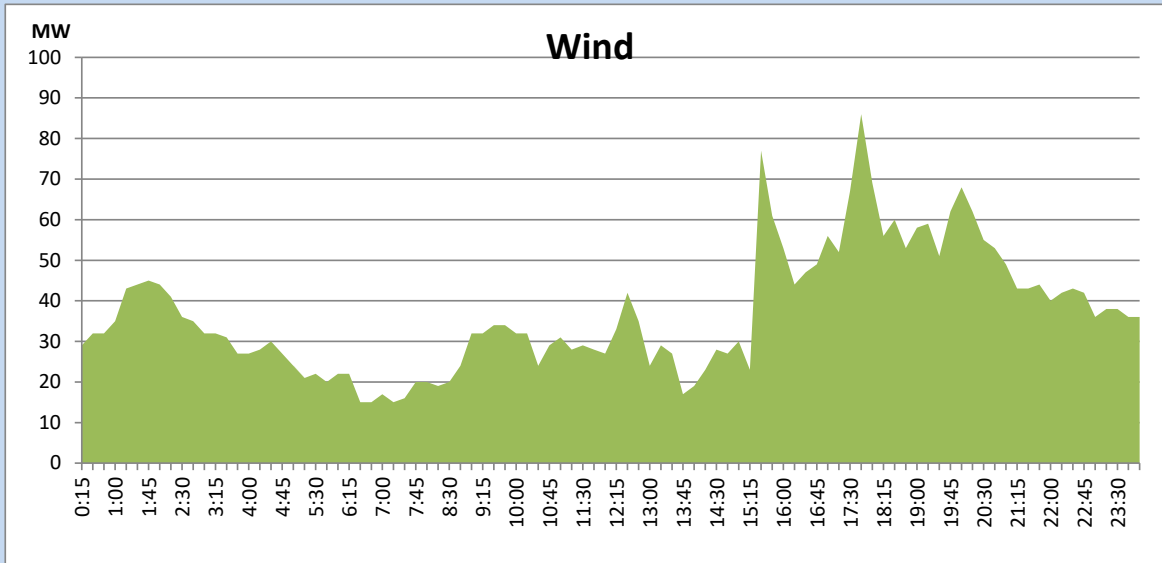
February 23, 2022



## Wind Generation during the Previous day

February 23, 2022

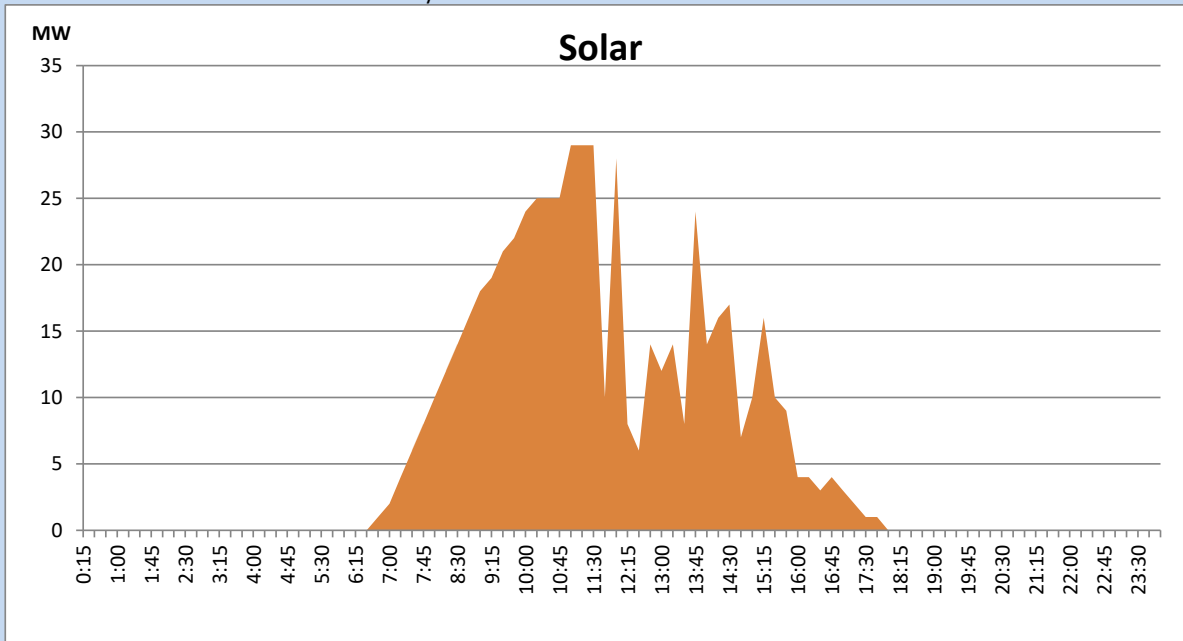
Based on Telemetered Power Stations only



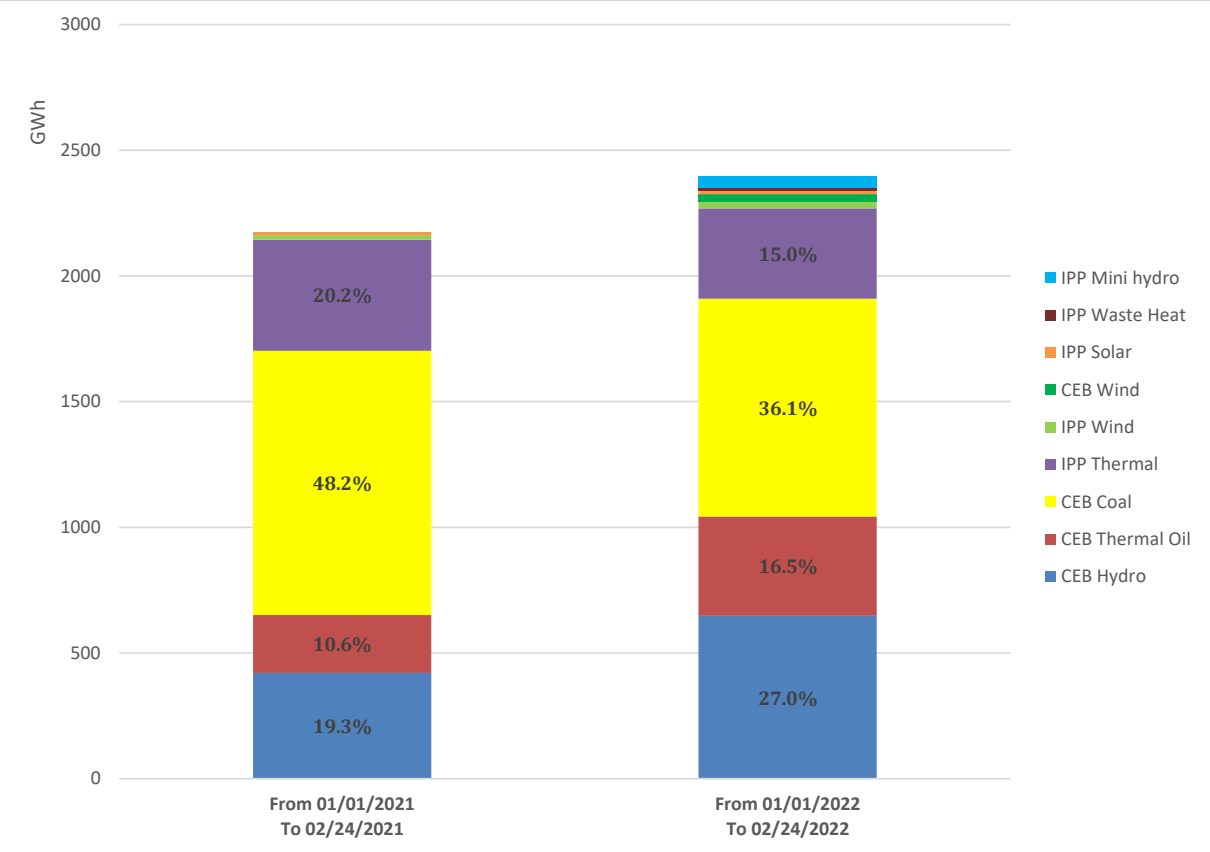
## Solar Generation during the Previous day

February 23, 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

February 25, 2022

- 1) Manual load shedding carried out from 08:30 hrs to 22:30 hrs .
- 2) WCP GT 02 and GT 01 resumed generation at 7:20hrs and 09:31hrs respectively.