

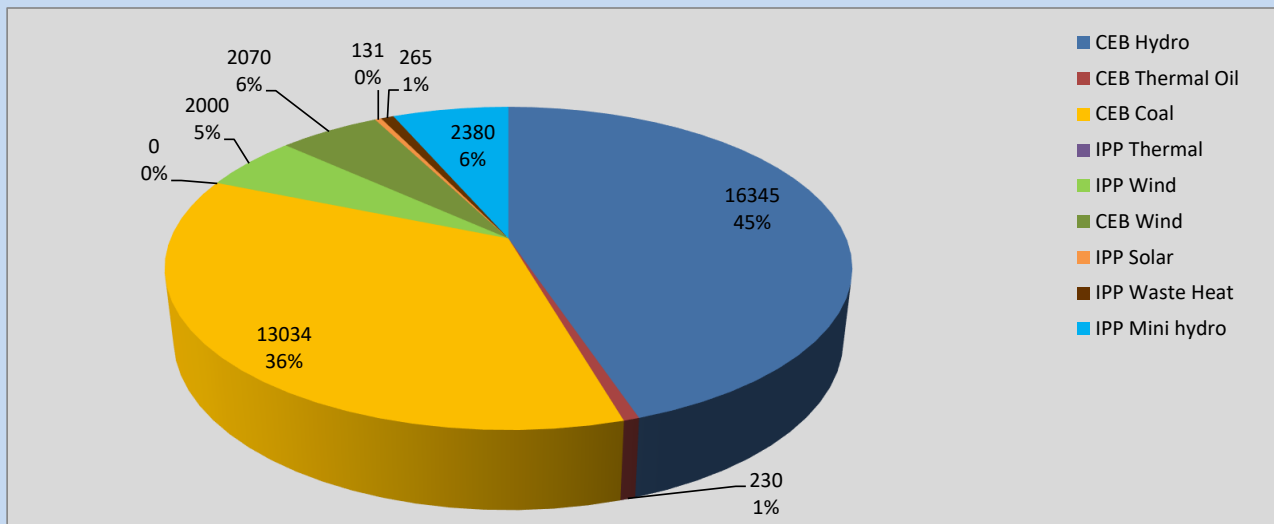
# Generation and Reservoirs Statistics

May 12, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **36,455 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

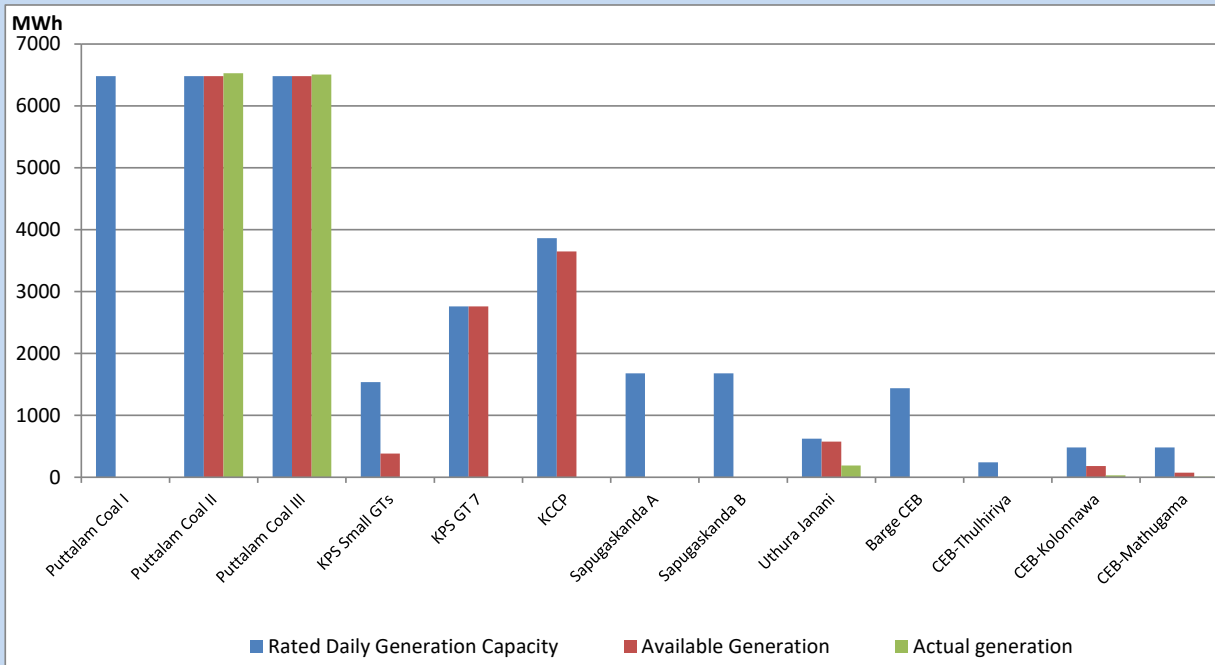
Category	Dispatch (GWh)	
CEB Hydro	142.07	29.11%
CEB Thermal Oil	67.41	13.81%
CEB Coal	164.85	33.78%
IPP Thermal	62.37	12.78%
SPP Wind	14.28	2.93%
CEB Wind	14.25	2.92%
SPP Solar	2.90	0.59%
SPP Solid Waste	3.14	0.64%
Mini Hydro	16.80	3.44%
<b>Total</b>	<b>488.07</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,290.4	23.27%
CEB Thermal Oil	852.9	15.38%
CEB Coal	2,285.2	41.22%
IPP Thermal	790.6	14.26%
SPP Wind	65.3	1.18%
CEB Wind	79.9	1.44%
SPP Solar	34.2	0.62%
SPP Solid Waste	26.9	0.49%
Mini Hydro	118.9	2.14%
<b>Total</b>	<b>5,544.0</b>	

## CEB owned Thermal Plant Dispatch

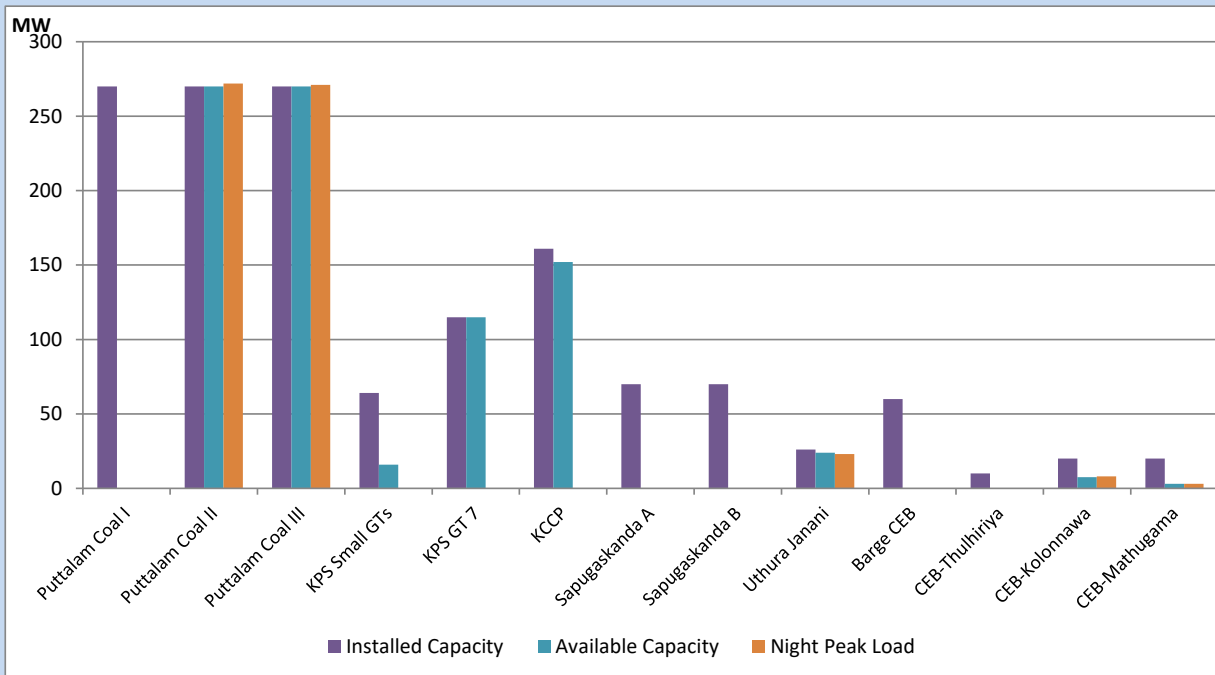
May 12, 2022



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

May 13, 2022

## CEB owned Thermal Plant Loading at the Night Peak



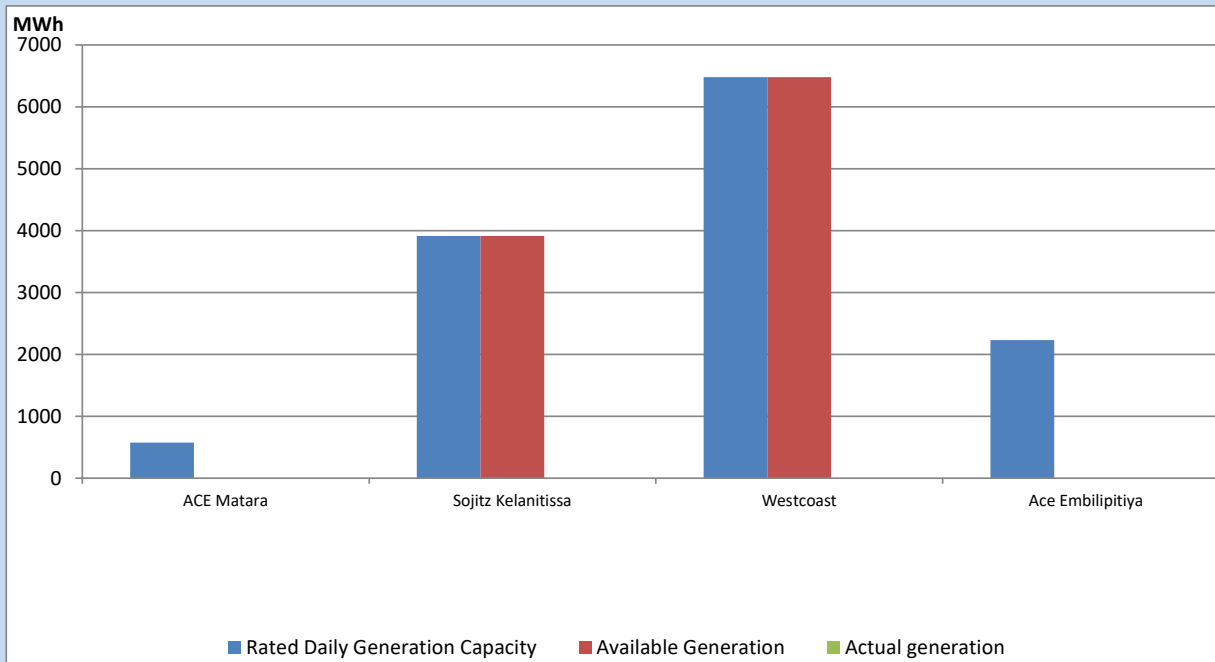
Note- Plant availability is recorded at 6.00 am on

May 13, 2022

## IPP owned Thermal Plant Dispatch

May 12, 2022

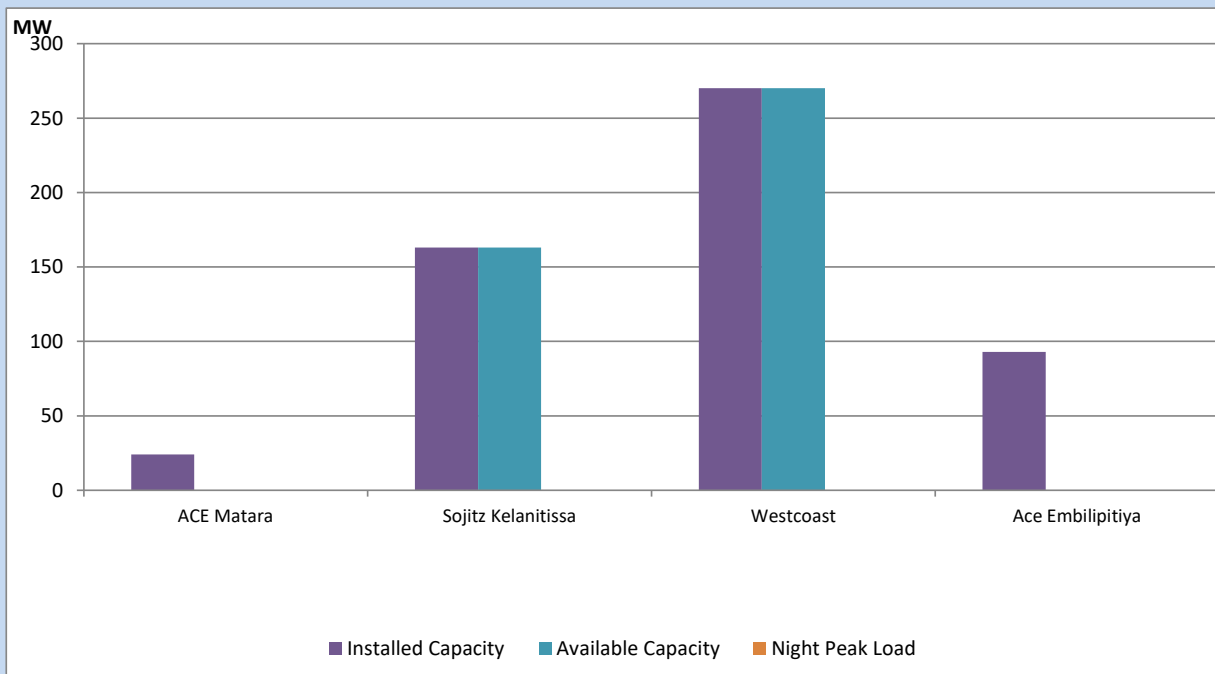
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 13, 2022

## IPP owned Thermal Plant Loading at the Night Peak

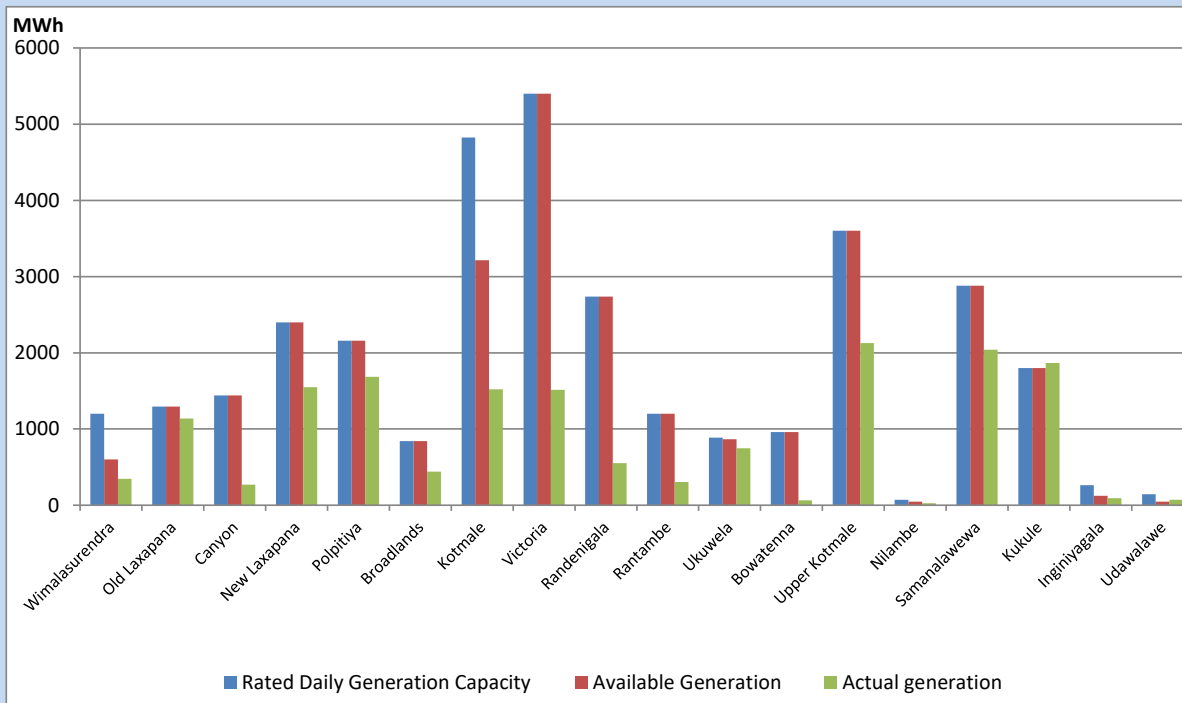


Note- Plant availability is recorded at 6.00 am on

May 13, 2022

## Major Hydro Plant Dispatch

May 12, 2022

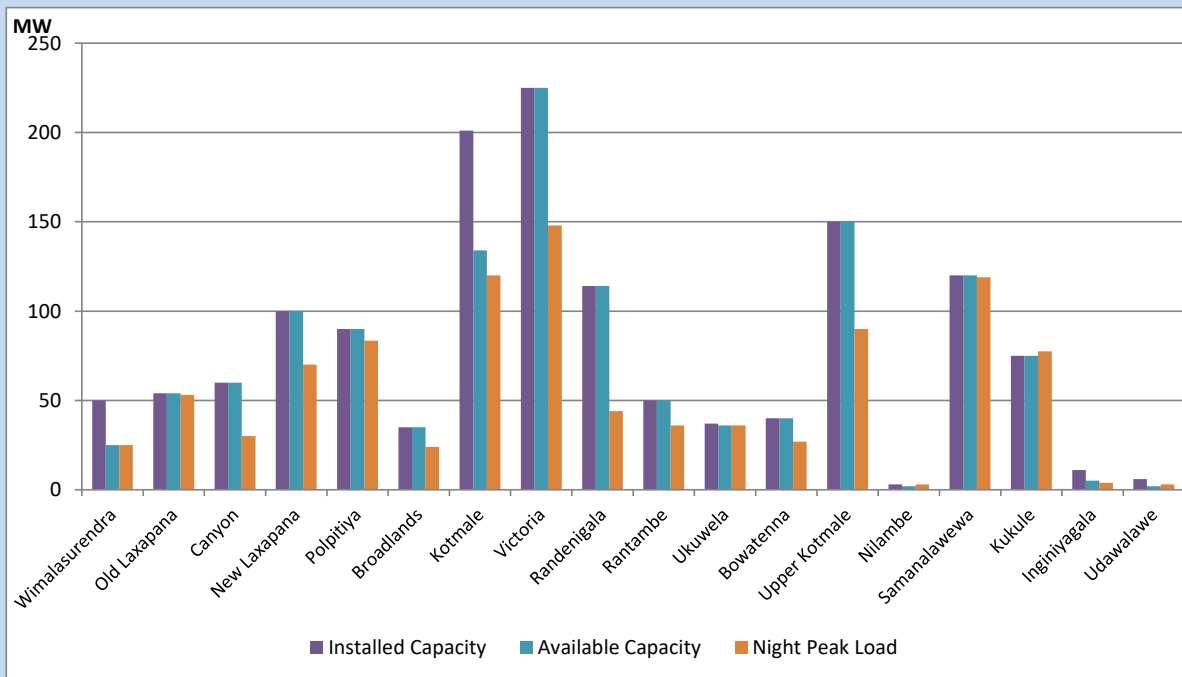


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 13, 2022

## Major Hydro Plant Loading at Night Peak

May 12, 2022



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

May 13, 2022

## Summary of Major Plant performance

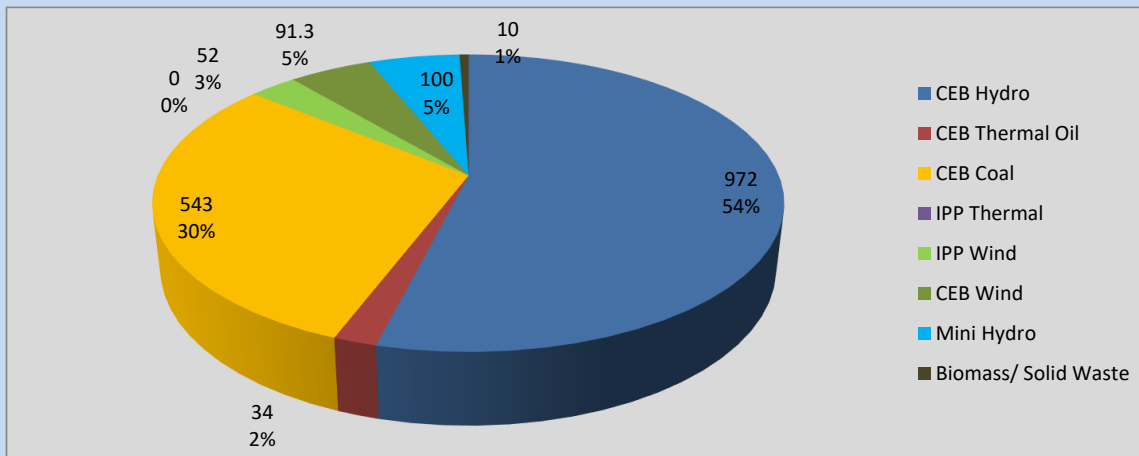
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	345
Old Laxapana	54	54	53	1,136
Canyon	60	60	30	271
New Laxapana	100	100	70	1,548
Polpitiya	90	90	83	1,683
Broadlands	35	35	24	441
Kotmale	201	134	120	1,520
Victoria	225	225	148	1,514
Randenigala	114	114	44	552
Rantambe	50	50	36	304
Ukuwela	37	36	36	747
Bowatenna	40	40	27	64
Upper Kotmale	150	150	90	2,126
Nilambe	3	2	3	25
Samanalawewa	120	120	119	2,040
Kukule	75	75	78	1,865
Inginiyagala	11	5	4	93
Udawalawe	6	2	3	71
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	272	6,529
Puttalam Coal III	270	270	271	6,505
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	0	0
Sapugaskanda A	70	0	0	0
Sapugaskanda B	70	0	0	0
Uthura Janani	26	24	23	189
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	8	8	32
CEB-Mathugama	20	3	3	9
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	163	0	0
West Coast	270	270	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,608</b>	<b>1,823</b>	<b>36,455</b>

Plant availability is the availability recorded at 6 am on

May 13, 2022

## Contribution to the Night Peak in MW

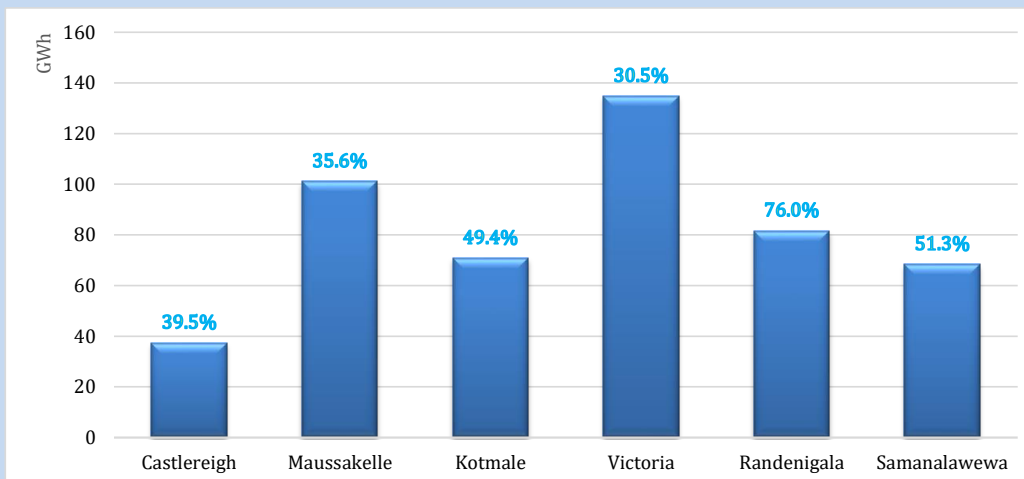
May 12, 2022



Night Peak*	1,802.1 MW
Day Peak	1,696.5 MW
Minimum Demand	1,255.1 MW

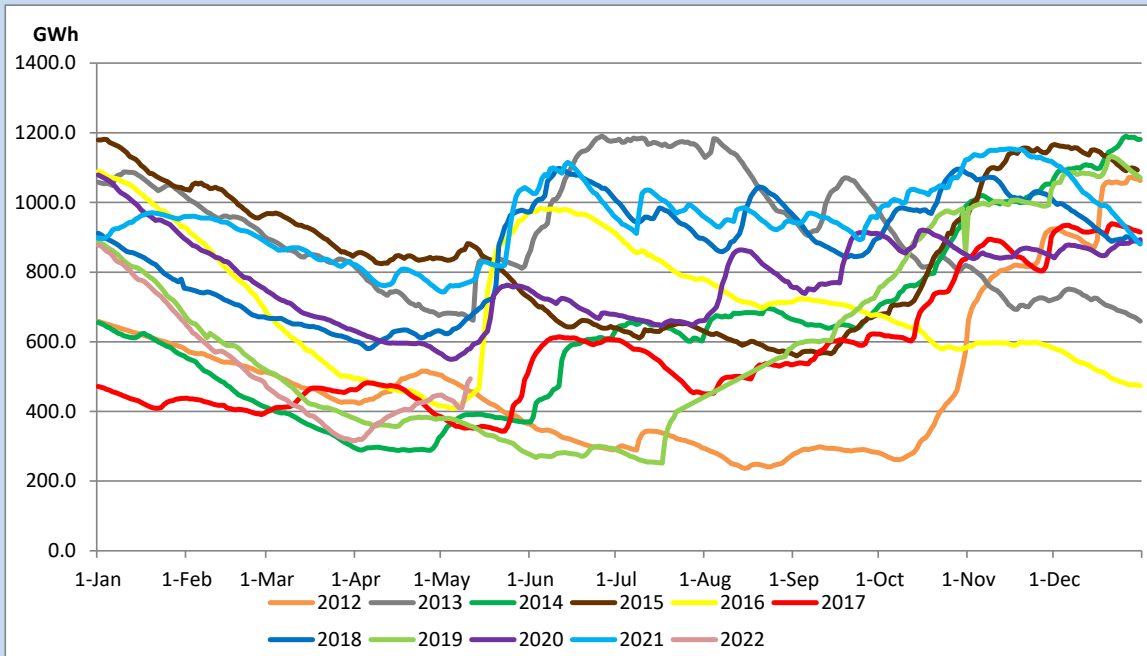
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on May 13, 2022



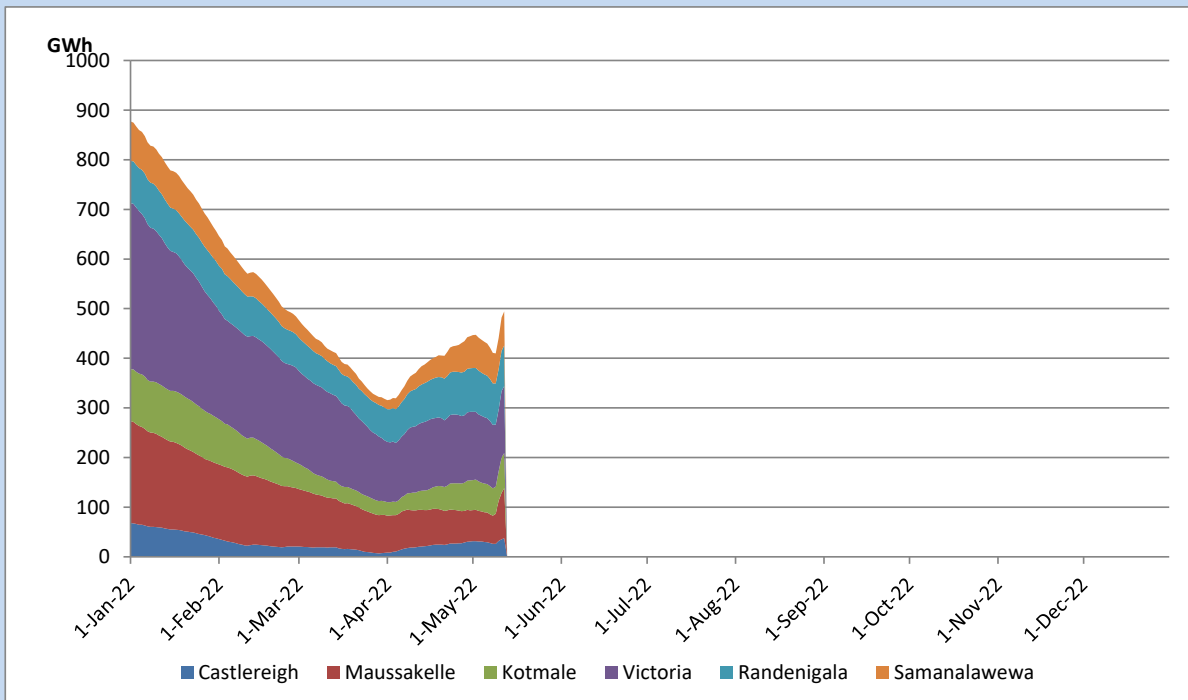
Total Reservoir Level	494.2 GWh
% of Total capacity	47.1%

## Comparison of Total Reservoir Storage Levels with Past Years



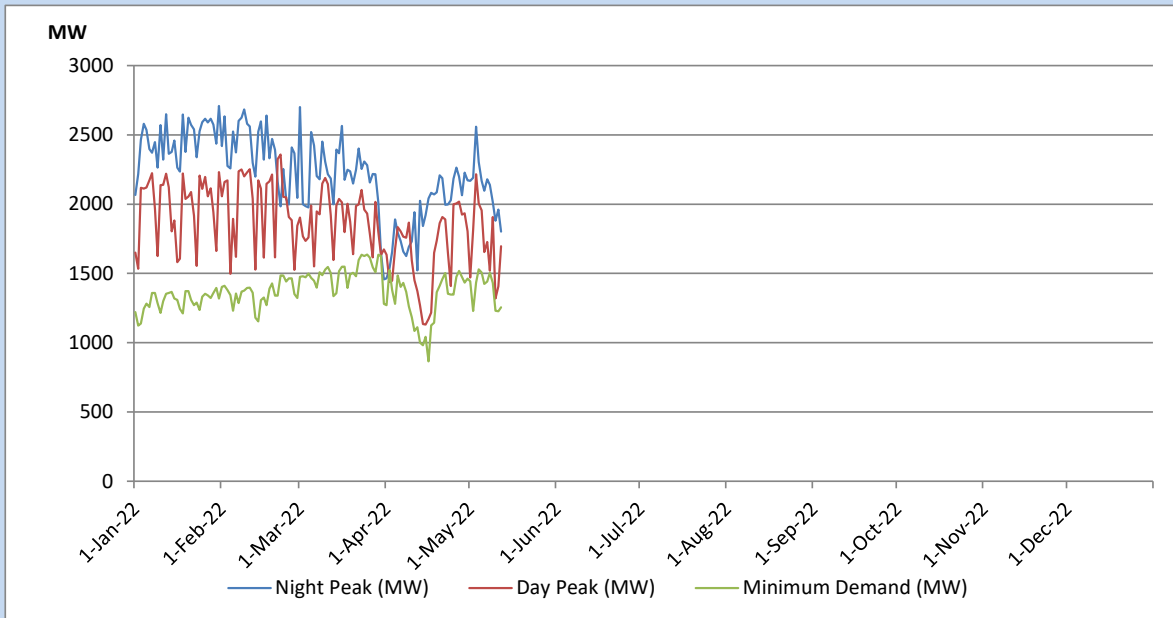
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

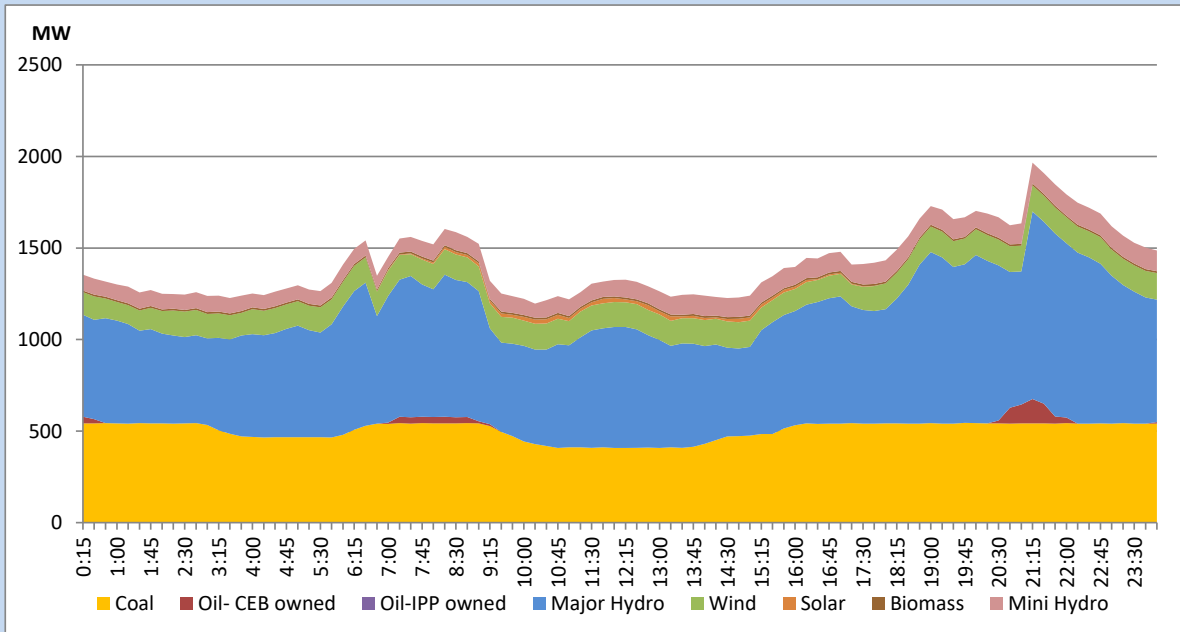


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

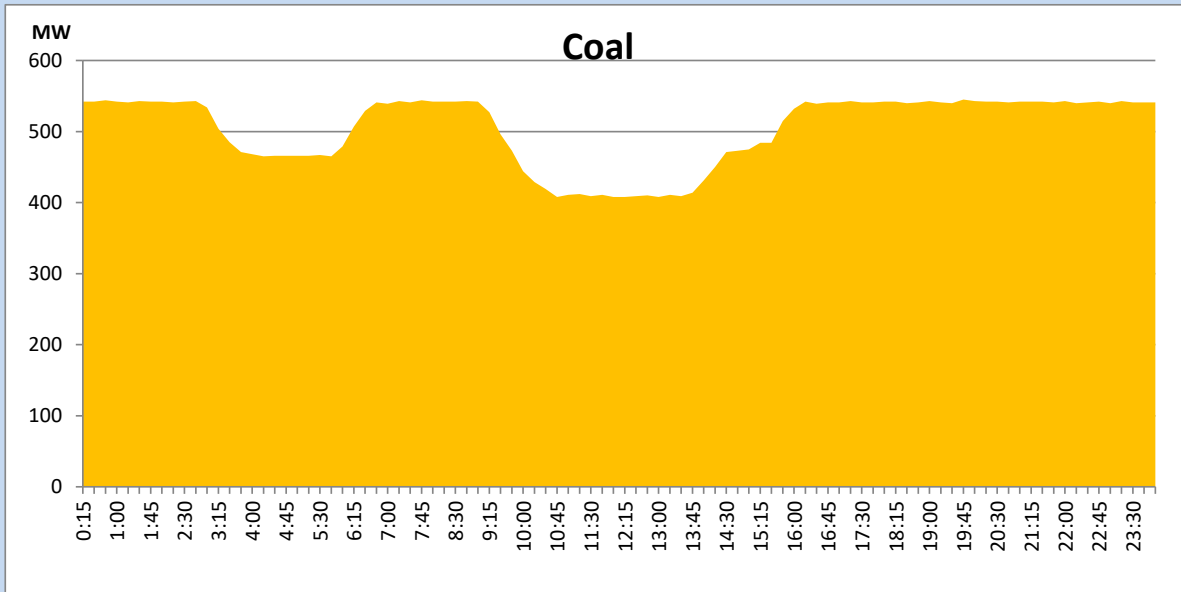
May 11, 2022

Solar and wind data is based on Telemetered Power Stations only



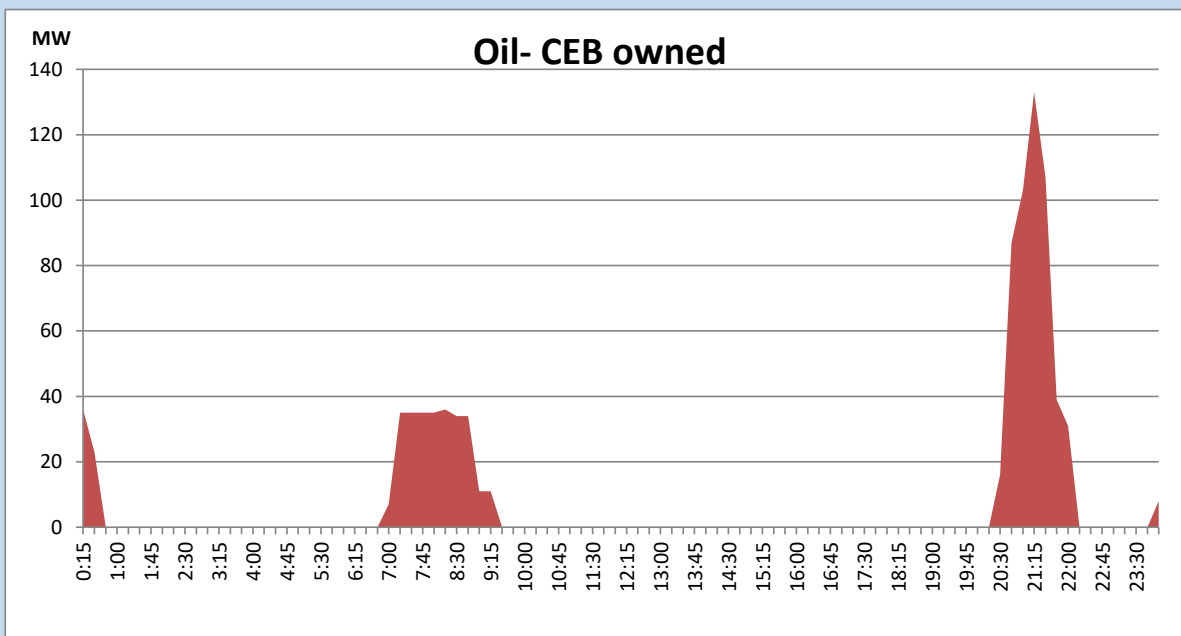
## Coal Generation during the Previous day

May 11, 2022



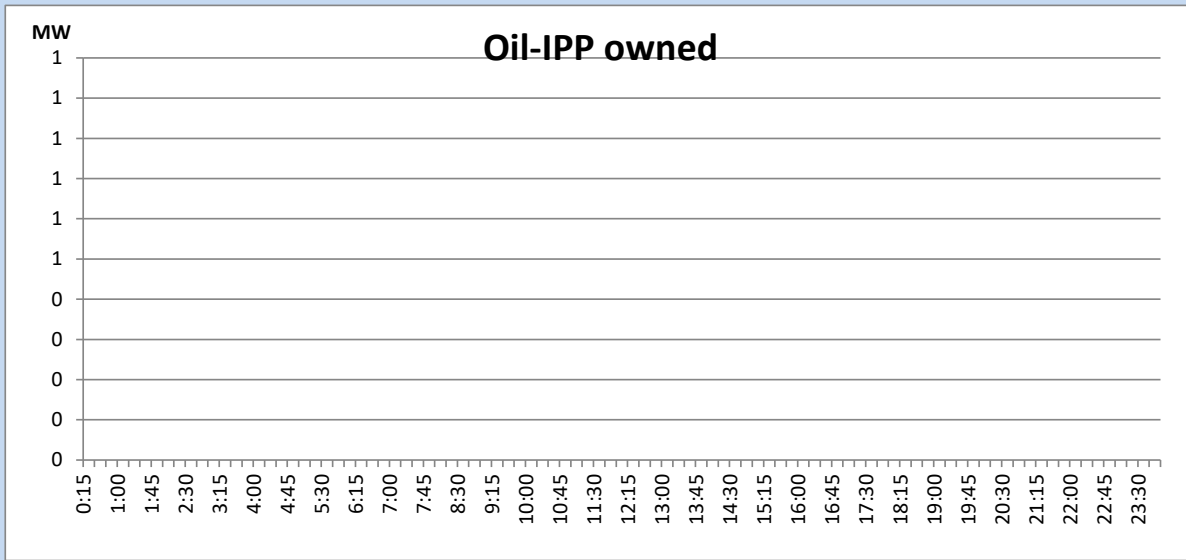
## CEB Oil Plant Generation during the Previous day

May 11, 2022



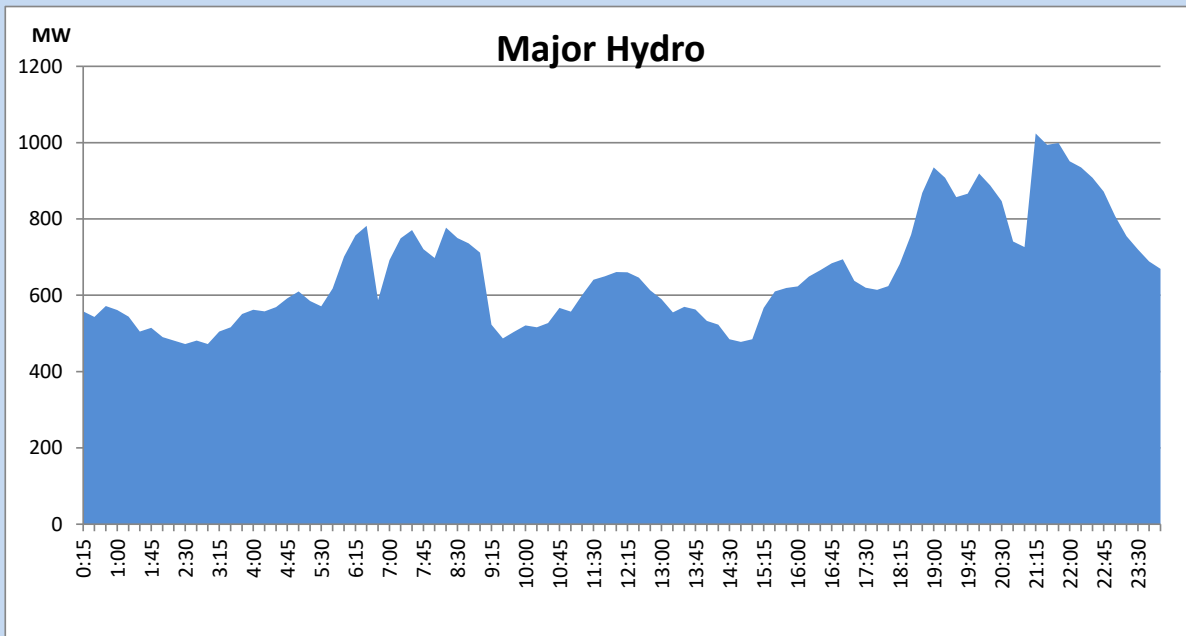
## IPP Oil Plant Generation during the Previous day

May 11, 2022



## Major Hydro Generation during the Previous day

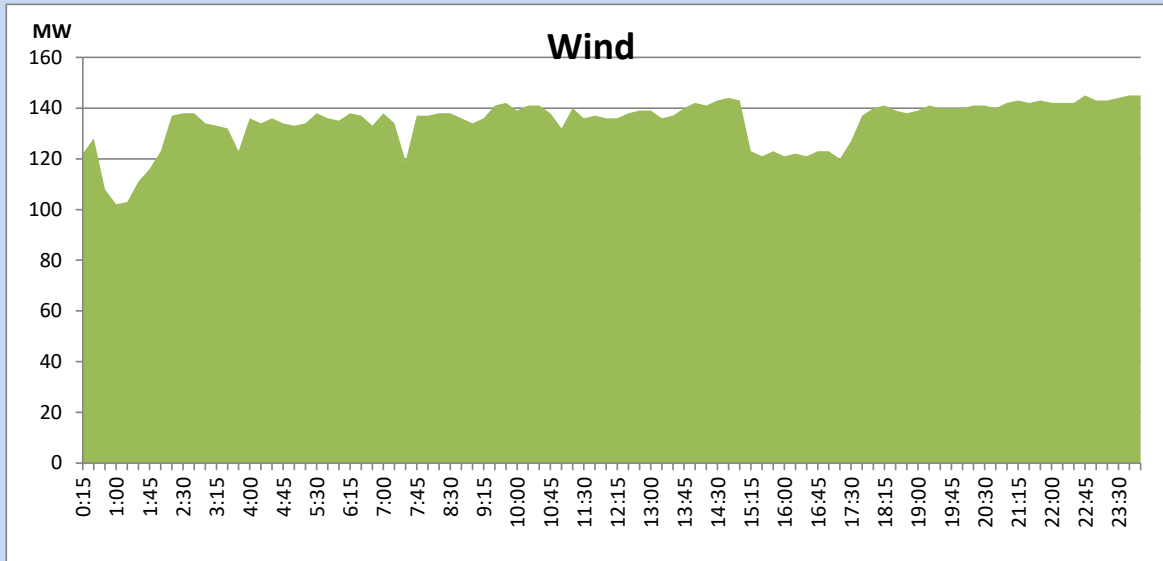
May 11, 2022



## Wind Generation during the Previous day

May 11, 2022

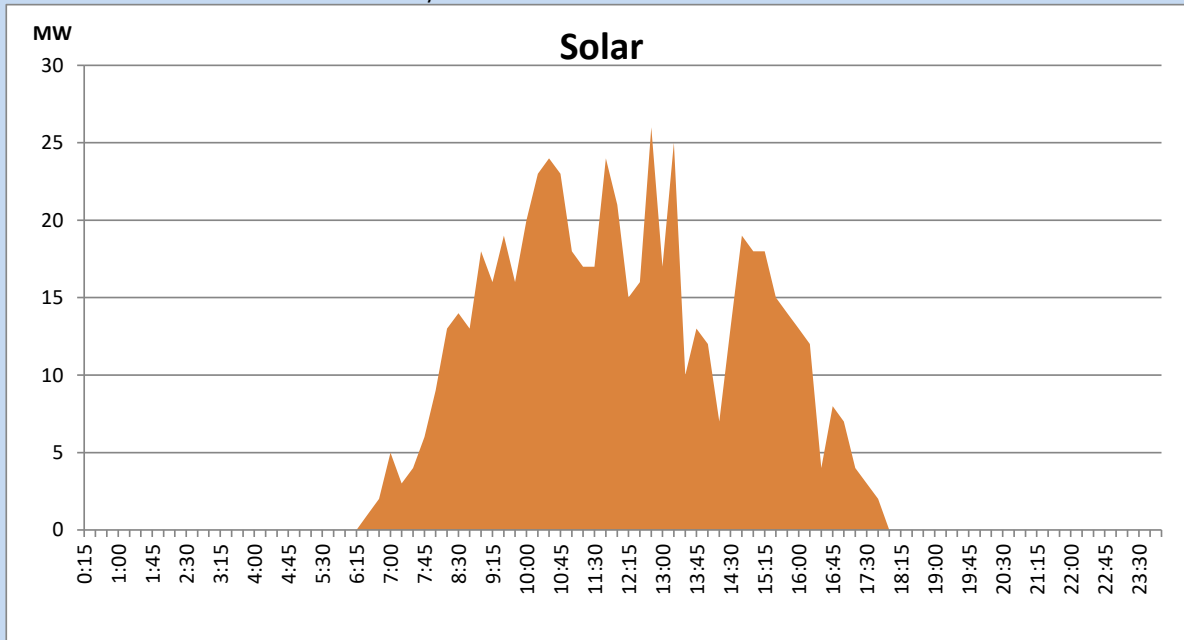
Based on Telemetered Power Stations only



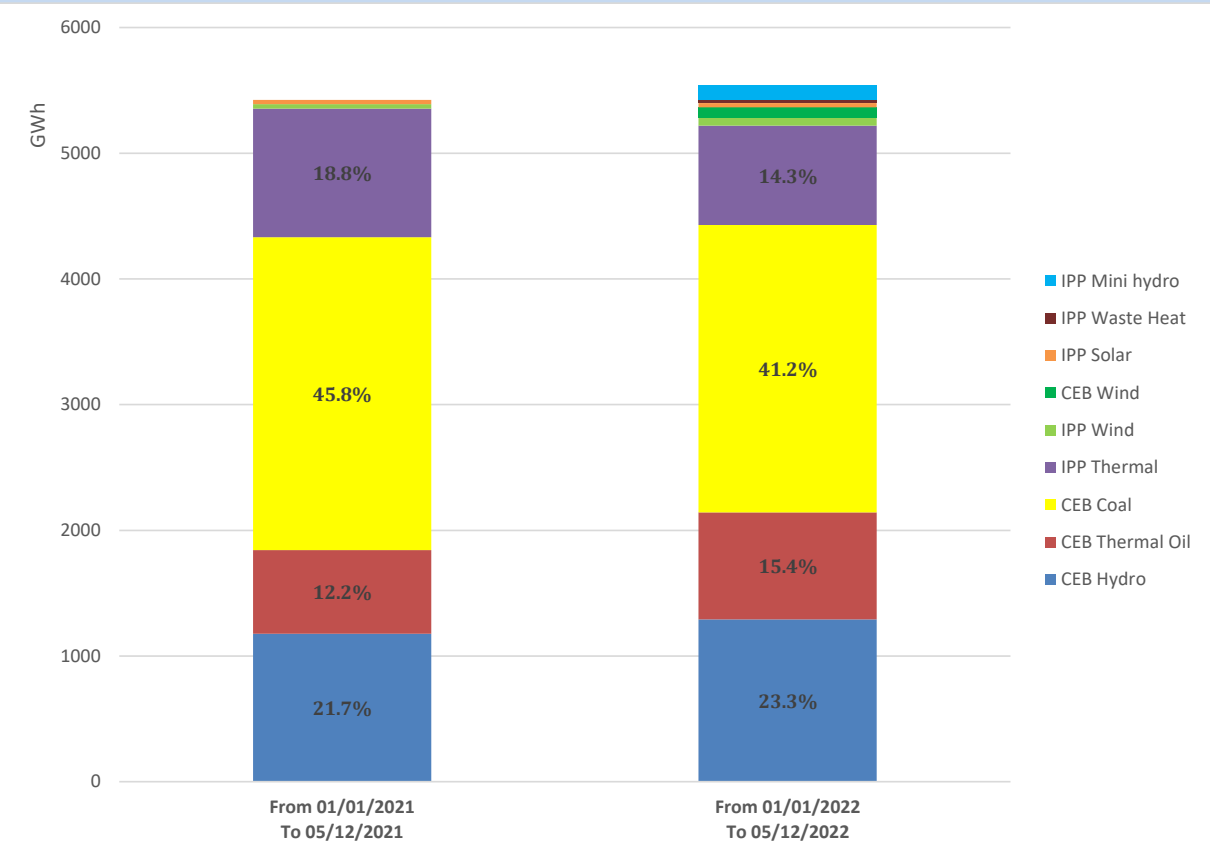
## Solar Generation during the Previous day

May 11, 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 or 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
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

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

May 13, 2022

- 1) Rotational manual load shedding was carried out from 5:00hrs to 23:00hrs.