

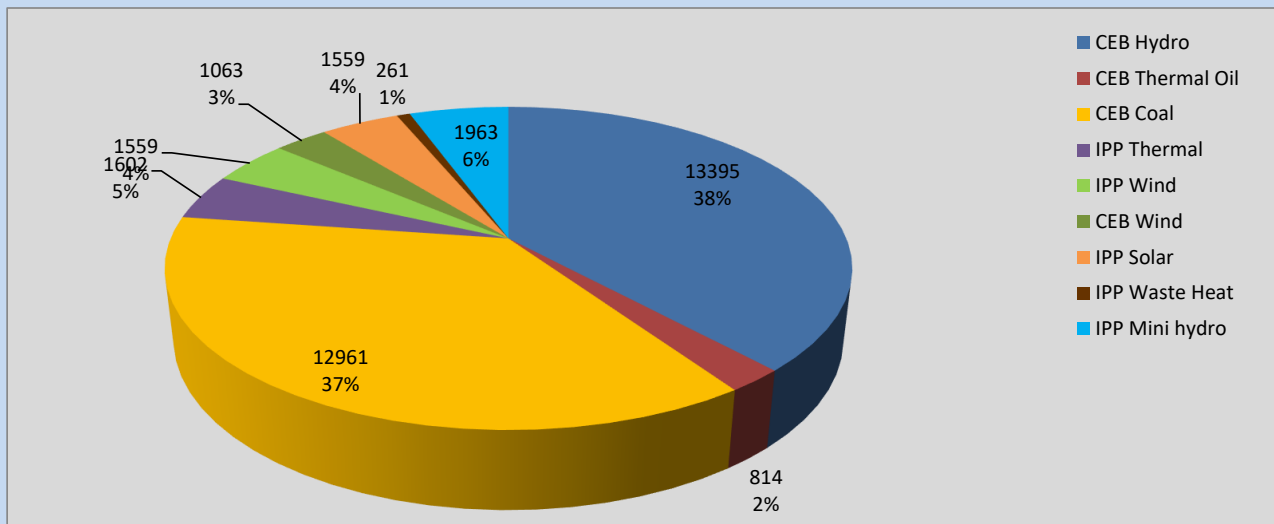
# Generation and Reservoirs Statistics

May 10, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation **33,781 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

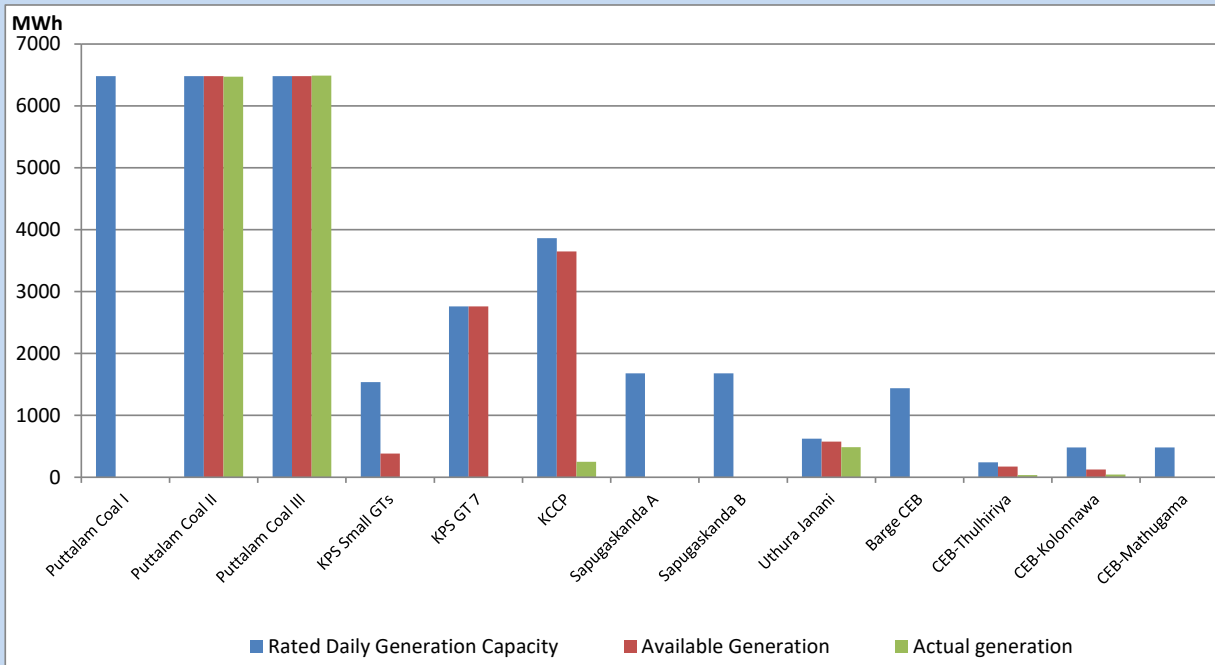
Category	Dispatch (GWh)	Percentage
CEB Hydro	109.73	26.34%
CEB Thermal Oil	66.97	16.08%
CEB Coal	139.70	33.54%
IPP Thermal	62.37	14.97%
SPP Wind	10.25	2.46%
CEB Wind	10.11	2.43%
SPP Solar	2.49	0.60%
SPP Solid Waste	2.60	0.62%
Mini Hydro	12.34	2.96%
<b>Total</b>	<b>416.56</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,258.0	22.99%
CEB Thermal Oil	852.5	15.58%
CEB Coal	2,260.0	41.30%
IPP Thermal	790.6	14.45%
SPP Wind	61.2	1.12%
CEB Wind	75.8	1.38%
SPP Solar	33.8	0.62%
SPP Solid Waste	26.4	0.48%
Mini Hydro	114.4	2.09%
<b>Total</b>	<b>5,472.5</b>	

## CEB owned Thermal Plant Dispatch

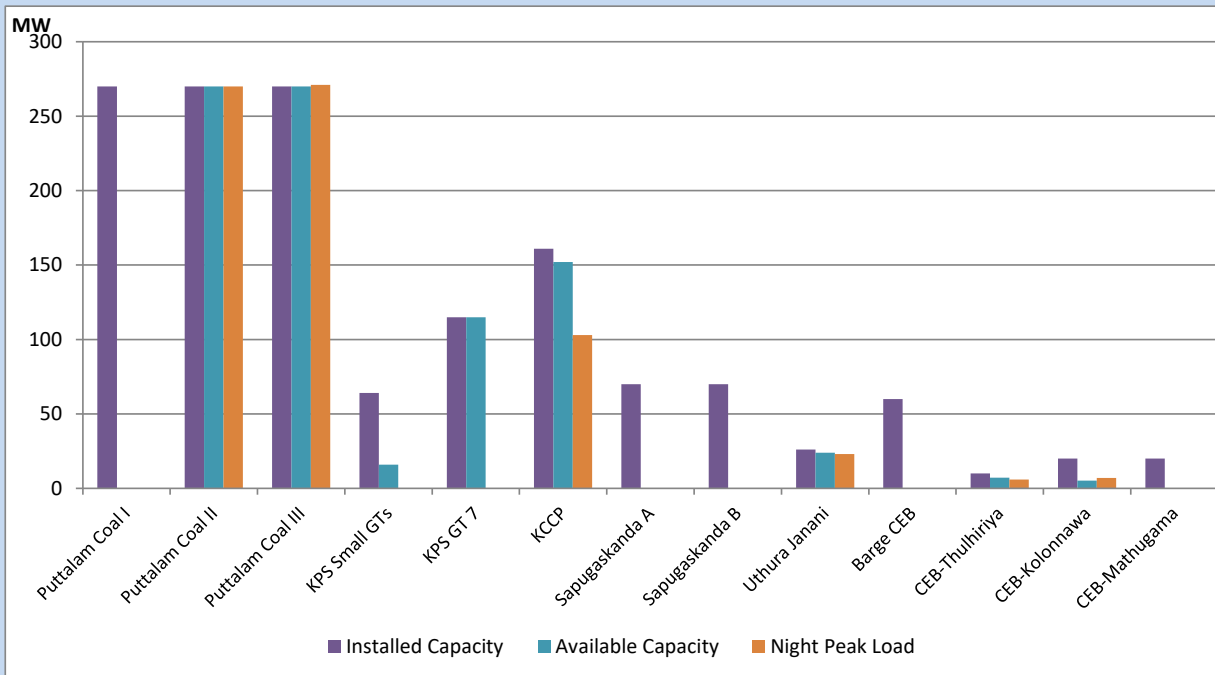
May 10, 2022



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

May 11, 2022

## CEB owned Thermal Plant Loading at the Night Peak



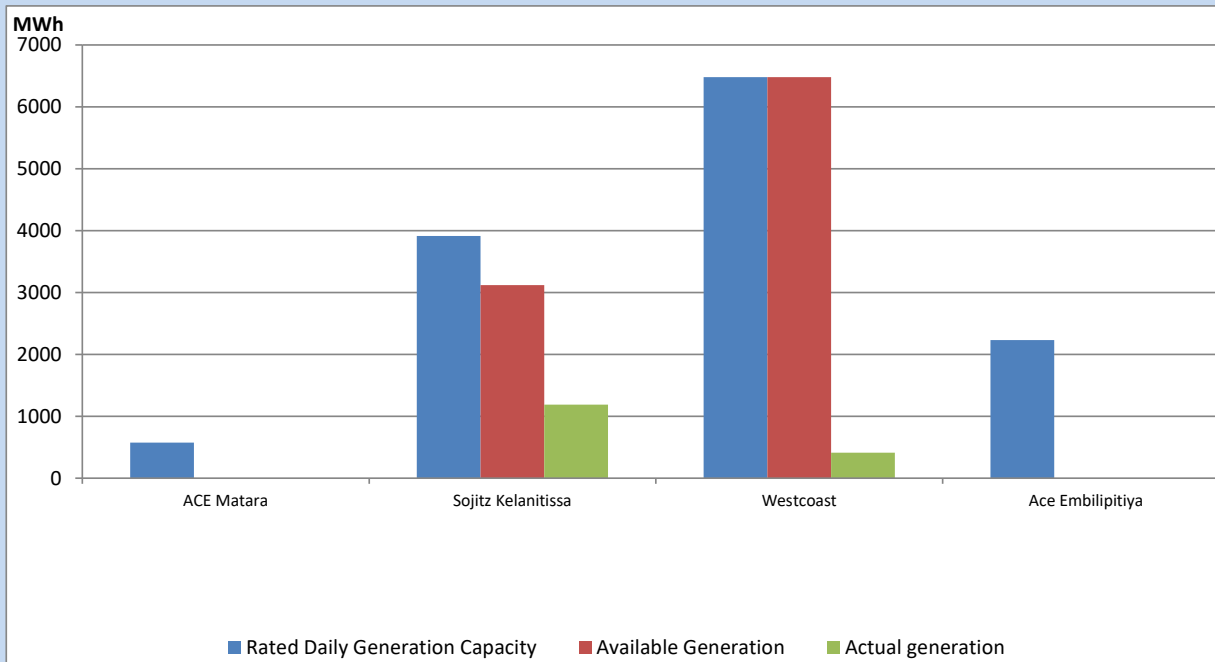
Note- Plant availability is recorded at 6.00 am on

May 11, 2022

## IPP owned Thermal Plant Dispatch

May 10, 2022

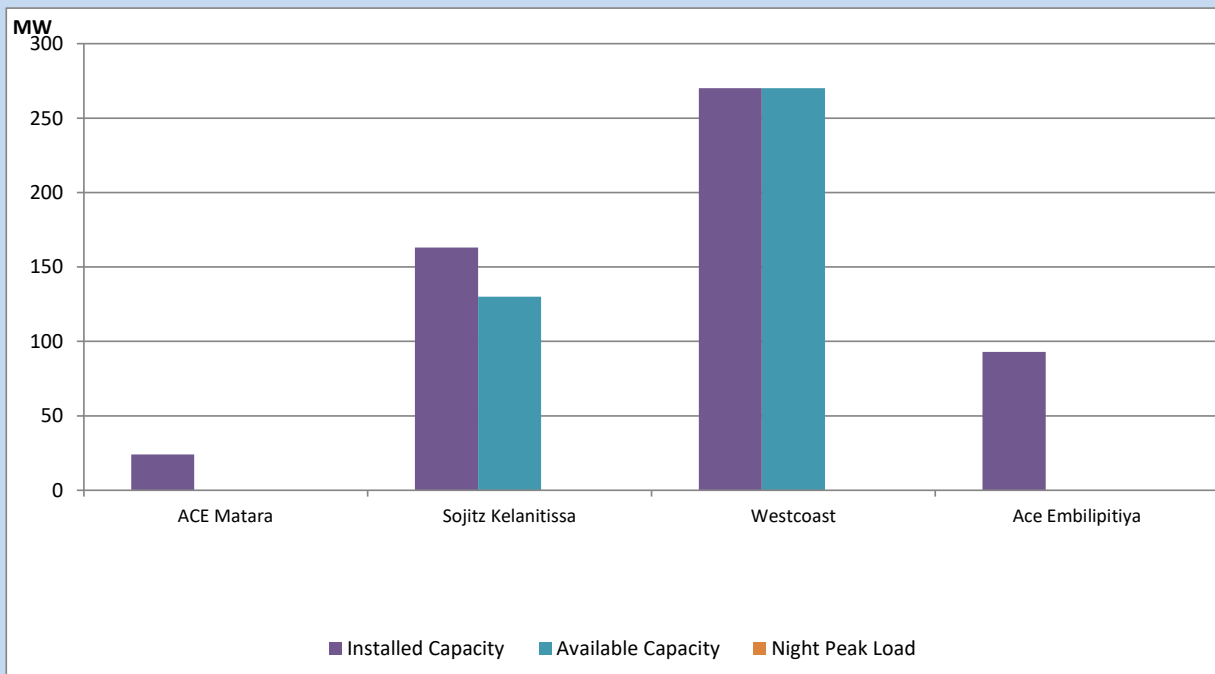
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 11, 2022

## IPP owned Thermal Plant Loading at the Night Peak

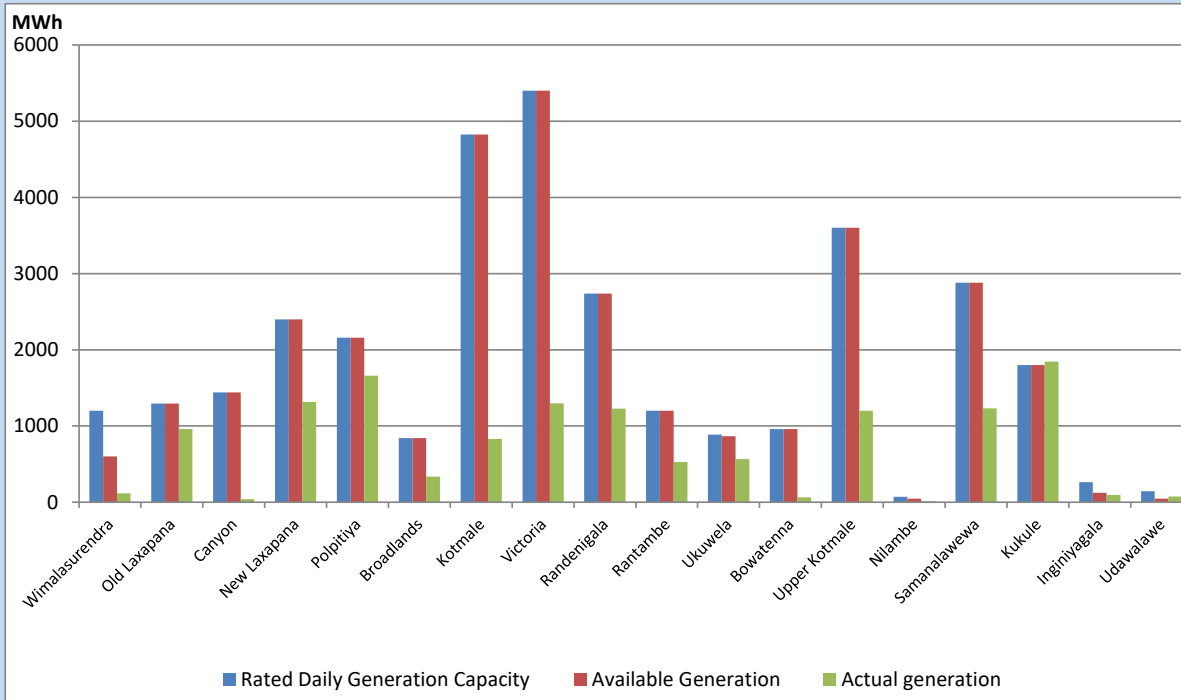


Note- Plant availability is recorded at 6.00 am on

May 11, 2022

## Major Hydro Plant Dispatch

May 10, 2022

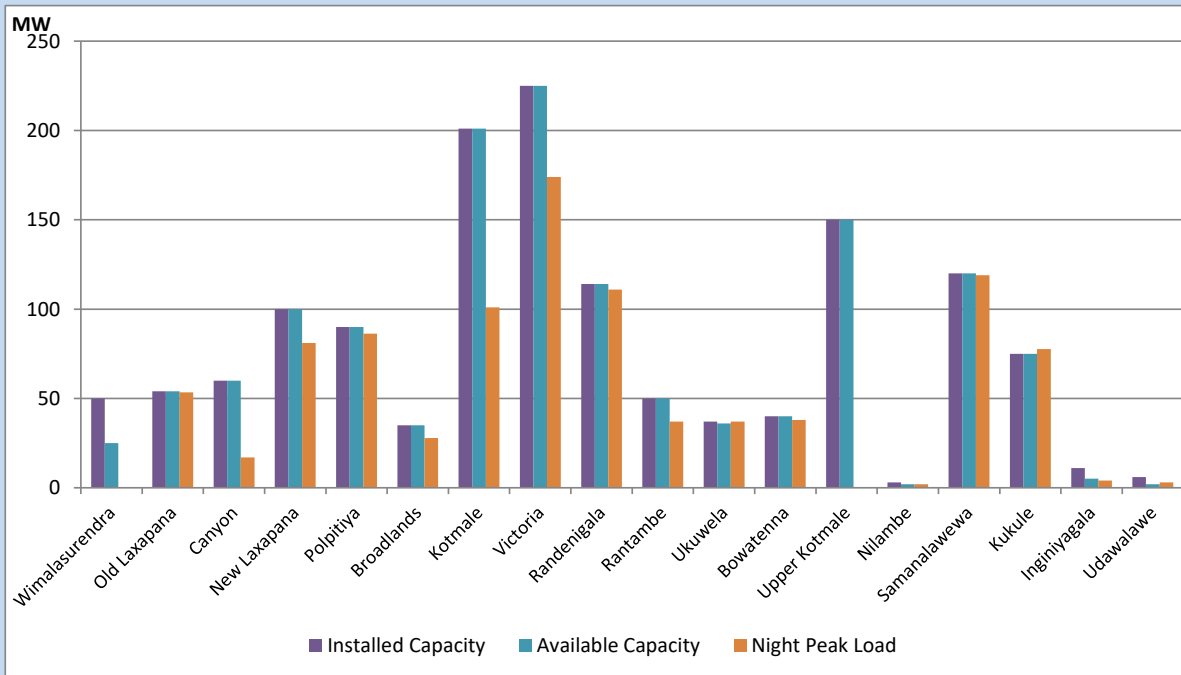


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 11, 2022

## Major Hydro Plant Loading at Night Peak

May 10, 2022



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

May 11, 2022

## Summary of Major Plant performance

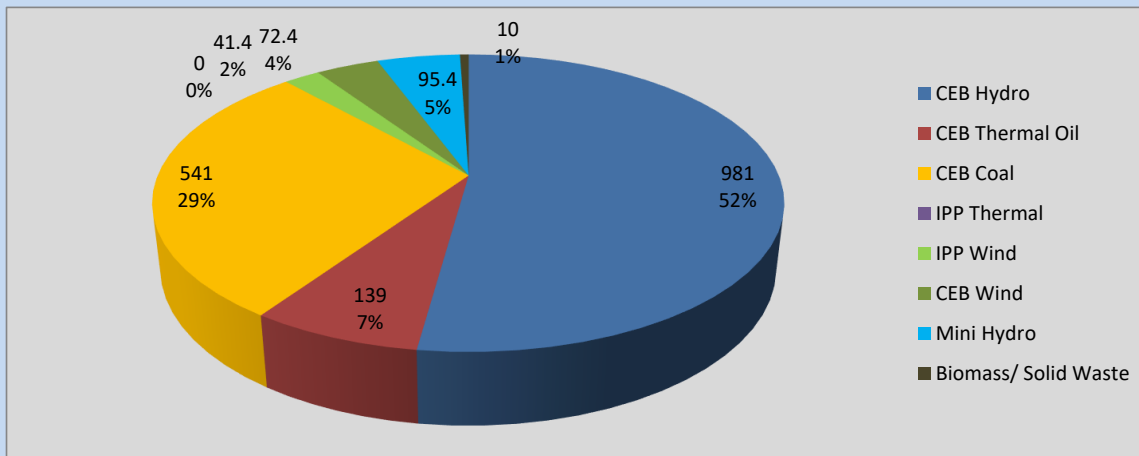
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	117
Old Laxapana	54	54	53	960
Canyon	60	60	17	40
New Laxapana	100	100	81	1,314
Polpitiya	90	90	86	1,659
Broadlands	35	35	28	335
Kotmale	201	201	101	830
Victoria	225	225	174	1,299
Randenigala	114	114	111	1,227
Rantambe	50	50	37	526
Ukuwela	37	36	37	566
Bowatenna	40	40	38	63
Upper Kotmale	150	150	0	1,200
Nilambe	3	2	2	16
Samanalawewa	120	120	119	1,231
Kukule	75	75	78	1,844
Inginiyagala	11	5	4	95
Udawalawe	6	2	3	73
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	6,471
Puttalam Coal III	270	270	271	6,490
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	103	249
Sapugaskanda A	70	0	0	0
Sapugaskanda B	70	0	0	0
Uthura Janani	26	24	23	488
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	7	6	35
CEB-Kolonnawa	20	5	7	42
CEB-Mathugama	20	0	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	130	0	1,189
West Coast	270	270	0	413
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,644</b>	<b>1,868</b>	<b>33,781</b>

Plant availability is the availability recorded at 6 am on

May 11, 2022

## Contribution to the Night Peak in MW

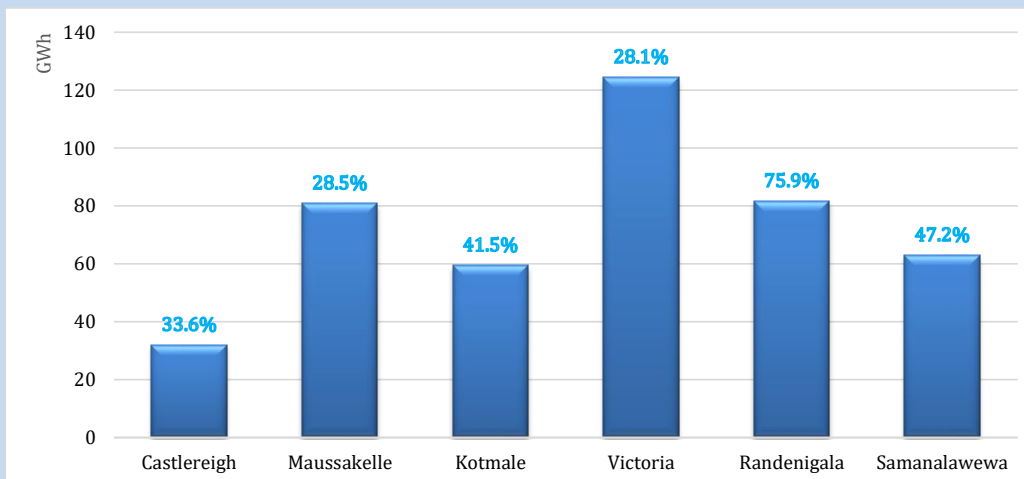
May 10, 2022



Night Peak*	1,880.3 MW
Day Peak	1,319.4 MW
Minimum Demand	1,231.2 MW

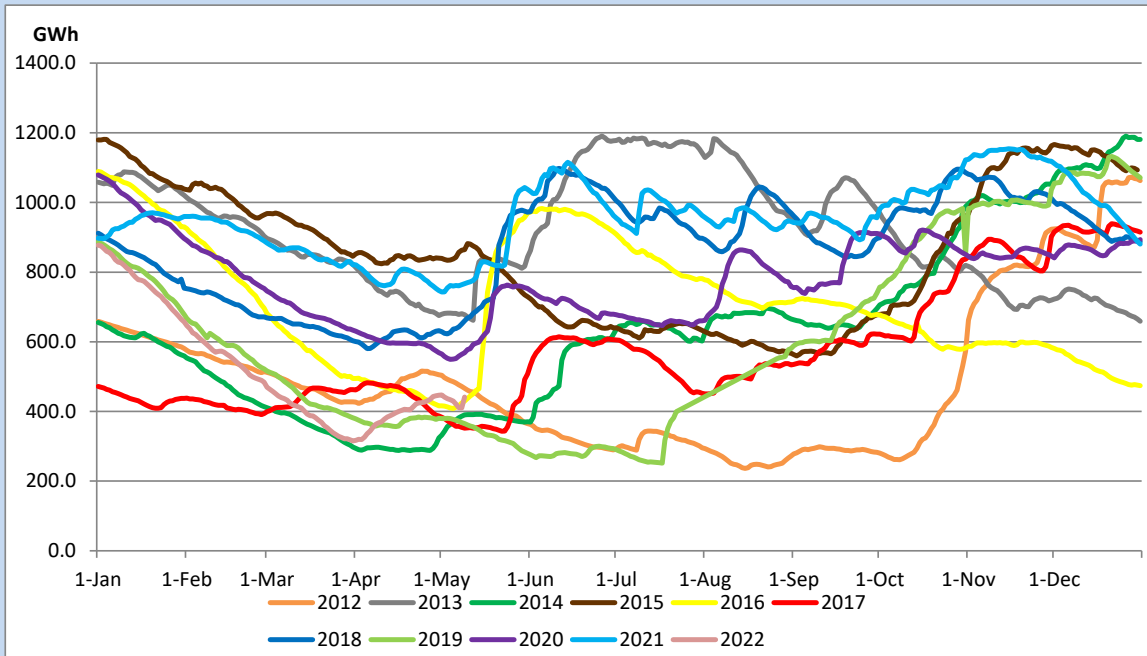
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

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



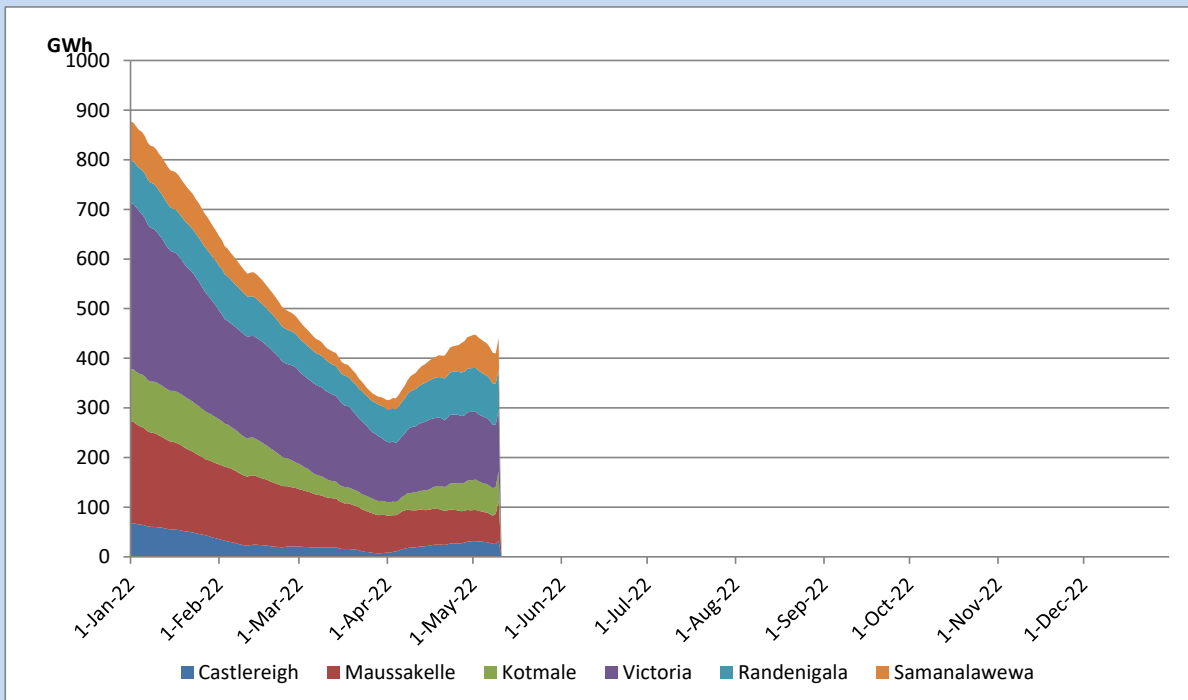
Total Reservoir Level	441 GWh
% of Total capacity	42.5%

## Comparison of Total Reservoir Storage Levels with Past Years



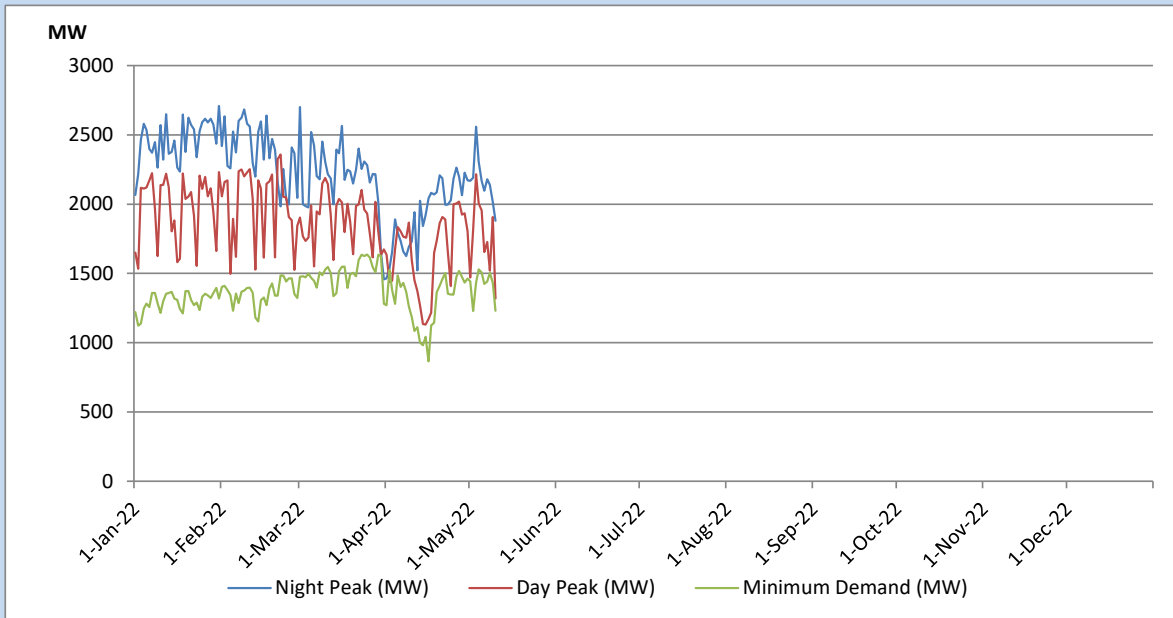
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

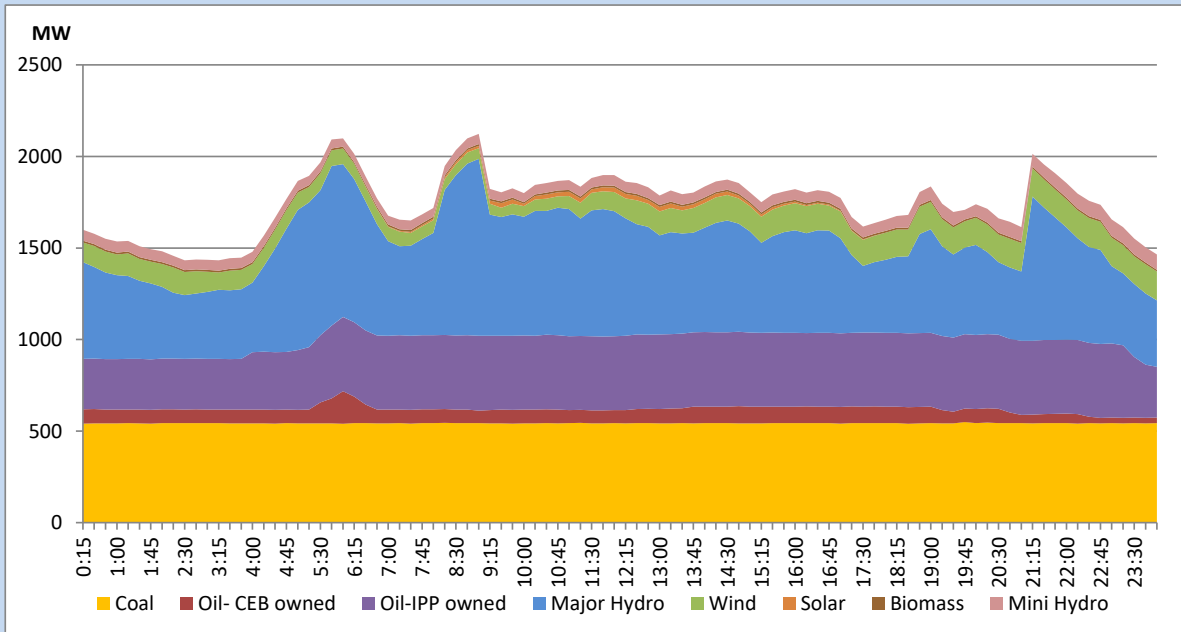


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

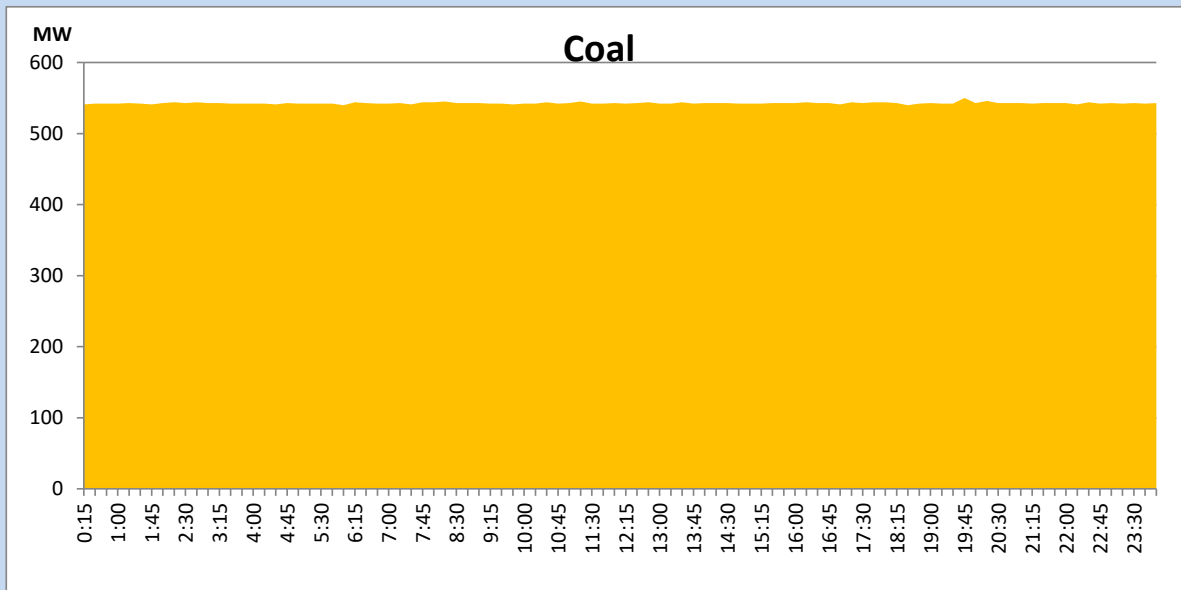
May 9, 2022

Solar and wind data is based on Telemetered Power Stations only



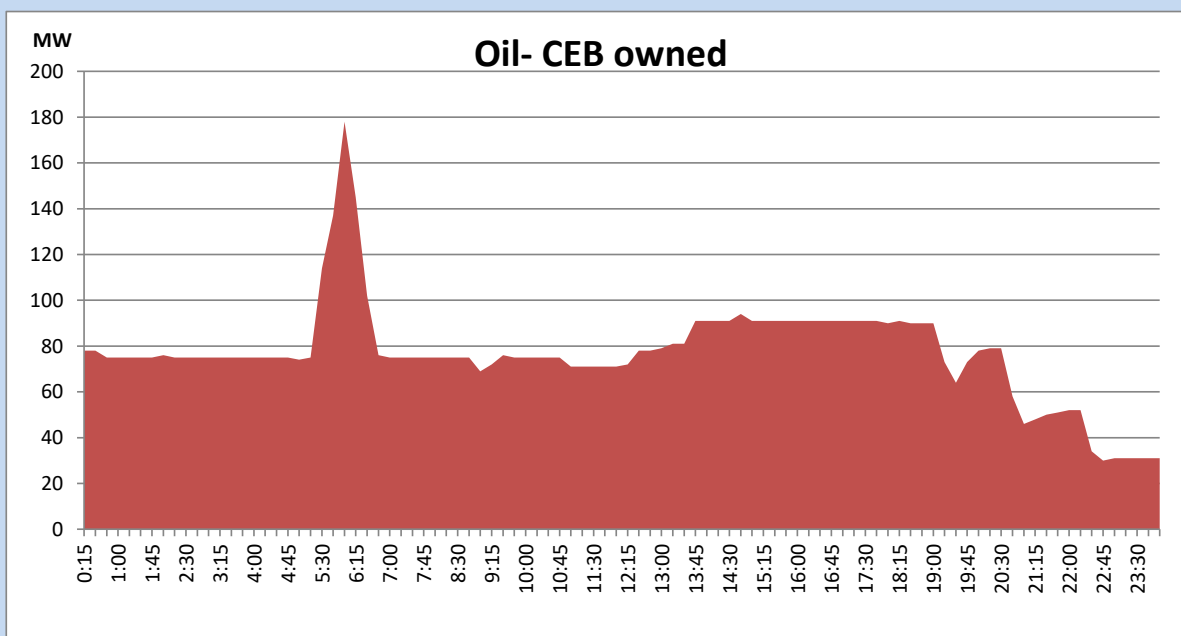
## Coal Generation during the Previous day

May 9, 2022



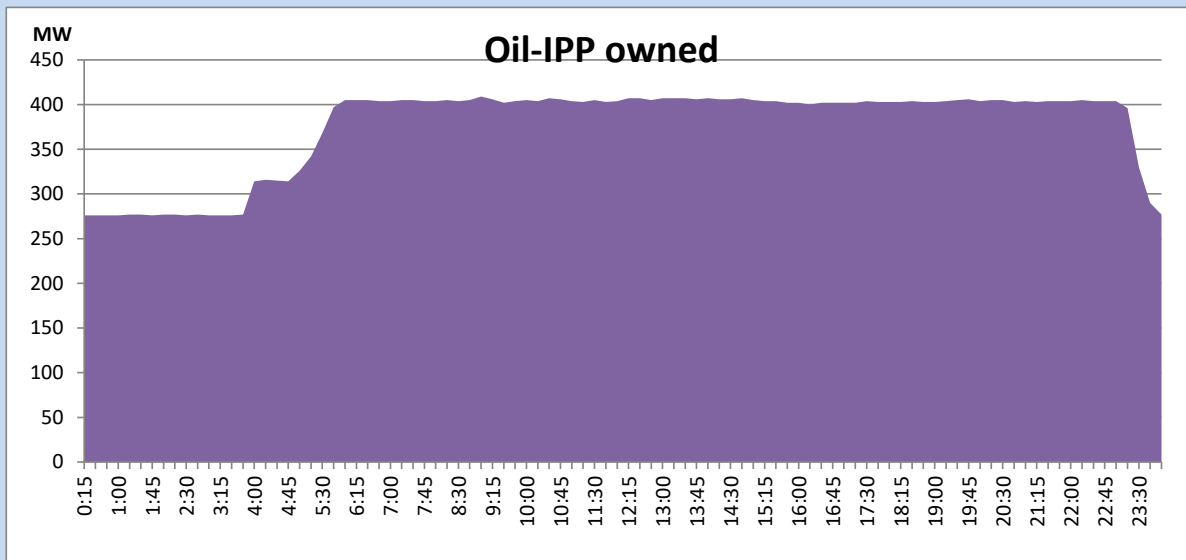
## CEB Oil Plant Generation during the Previous day

May 9, 2022



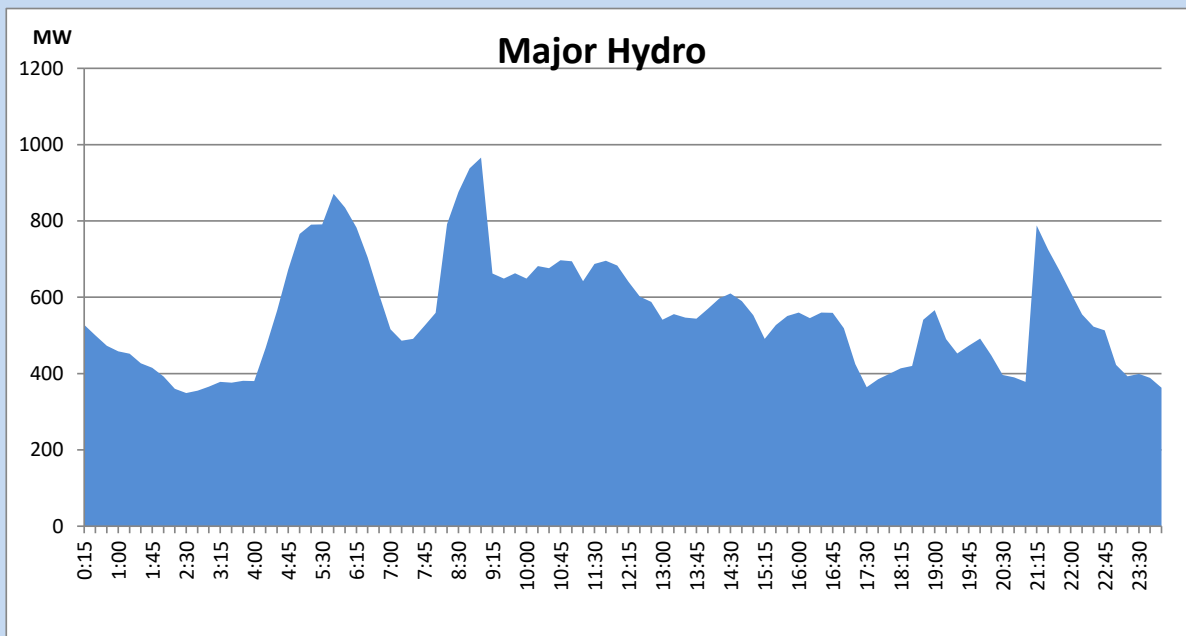
## IPP Oil Plant Generation during the Previous day

May 9, 2022



## Major Hydro Generation during the Previous day

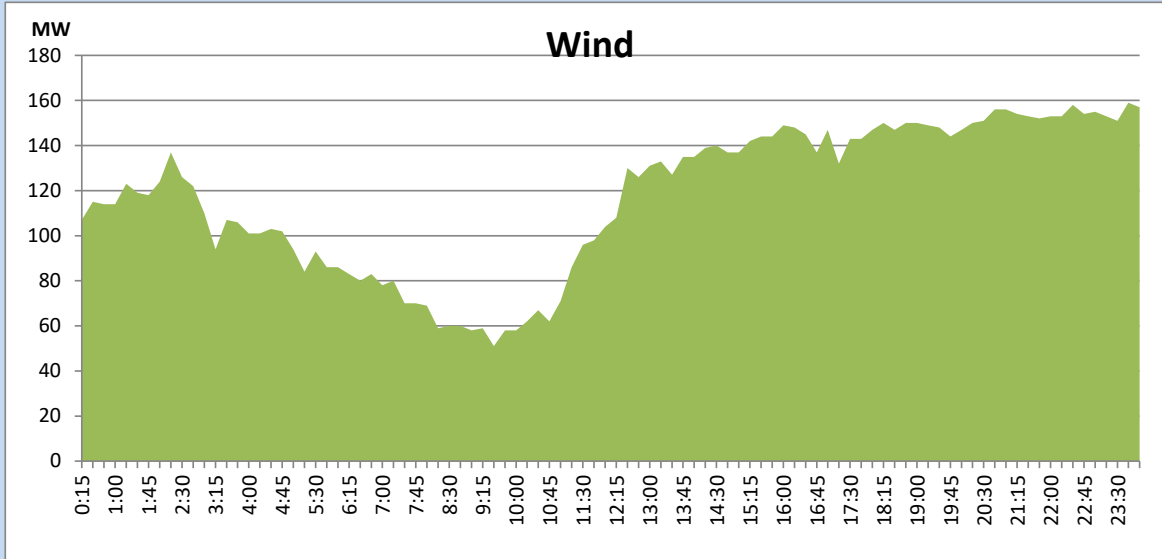
May 9, 2022



## Wind Generation during the Previous day

May 9, 2022

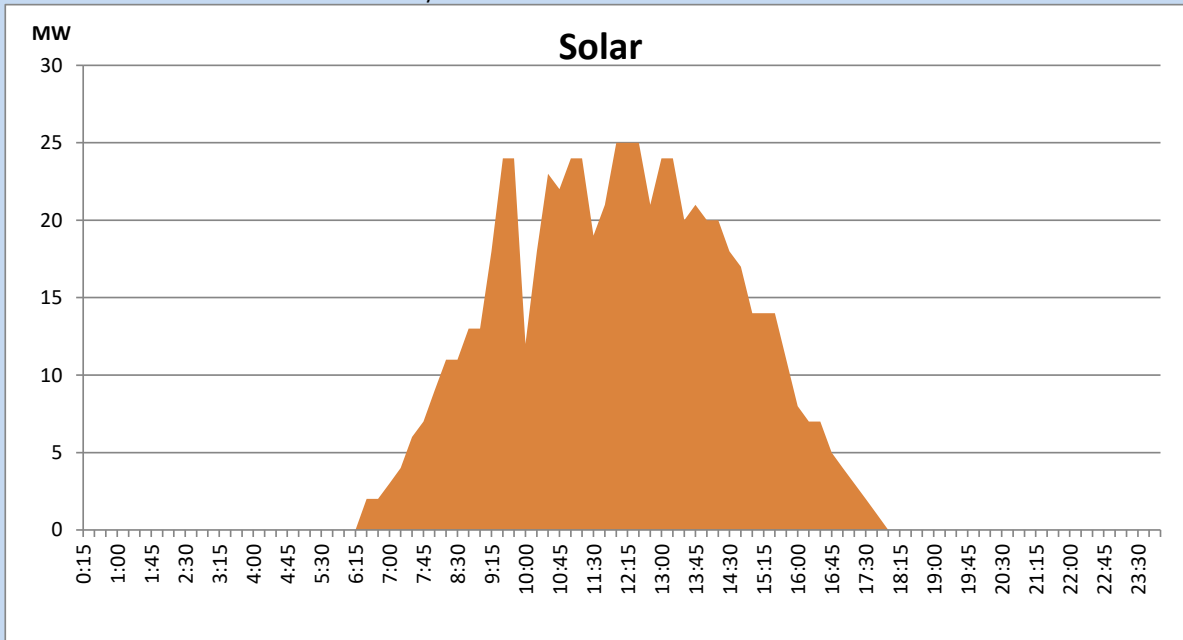
Based on Telemetered Power Stations only



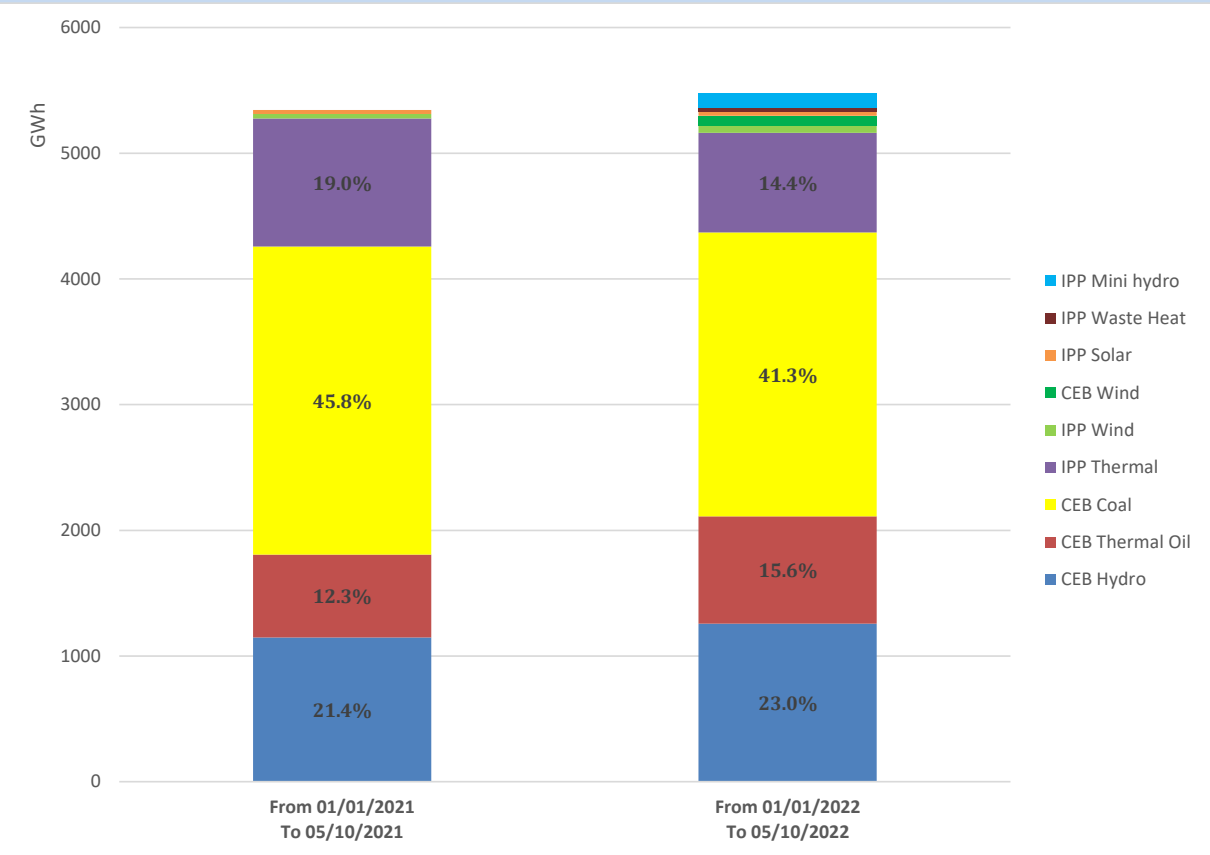
## Solar Generation during the Previous day

May 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 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 11, 2022

- 1) Rotational manual load shedding was carried out from 5:00hrs to 21:00hrs.
- 2) Rathnapura-Balangoda cct tripped at 13:17 hrs due to the operation of main protection from the Rathnapura end. The cct was normalized at 13:20 h
- 3) Upper Kotmale gen 01 tripped at 23:54 hrs due to a control card fault. The m/c resumed generation at 2:54 hrs on 11/05/2022.
- 4) Kukule spilling continues to the present hour.
- 5) Norton spilling started at 22:48 hrs and continues to the present hour. Canyon spilling started at 1:02 hrs on 11/05/2022 and stopped at 4:45 hrs. Laxapana pond spilling started at 00:10 hrs on 11/05/2022 and continues to the present hour. Upper Kotmale spilling started at 4:29 hrs and continues to the present hour.