

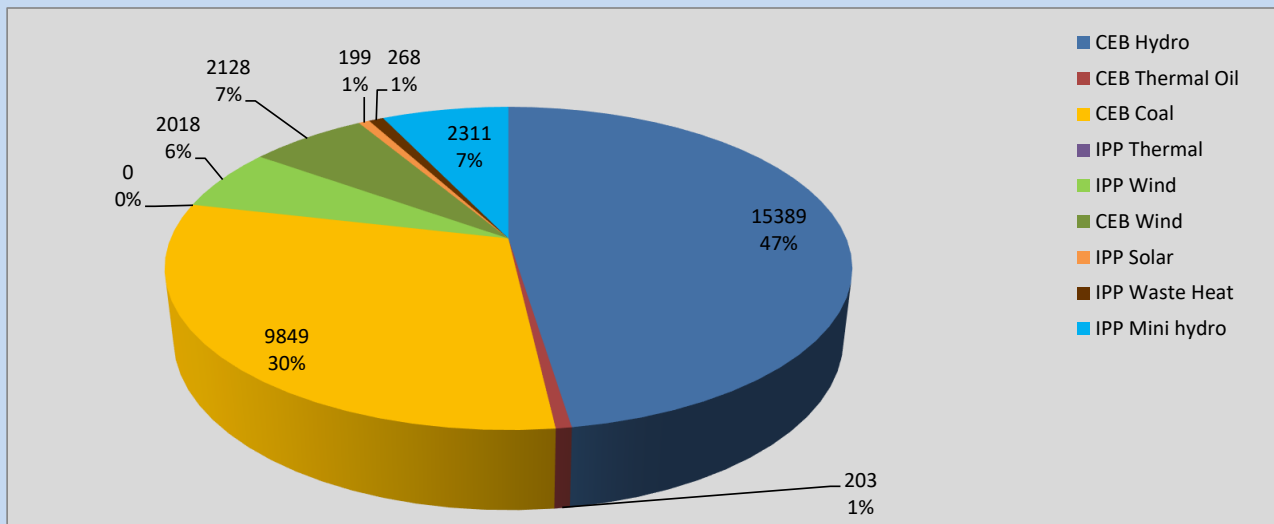
# Generation and Reservoirs Statistics

May 15, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation **32,365 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

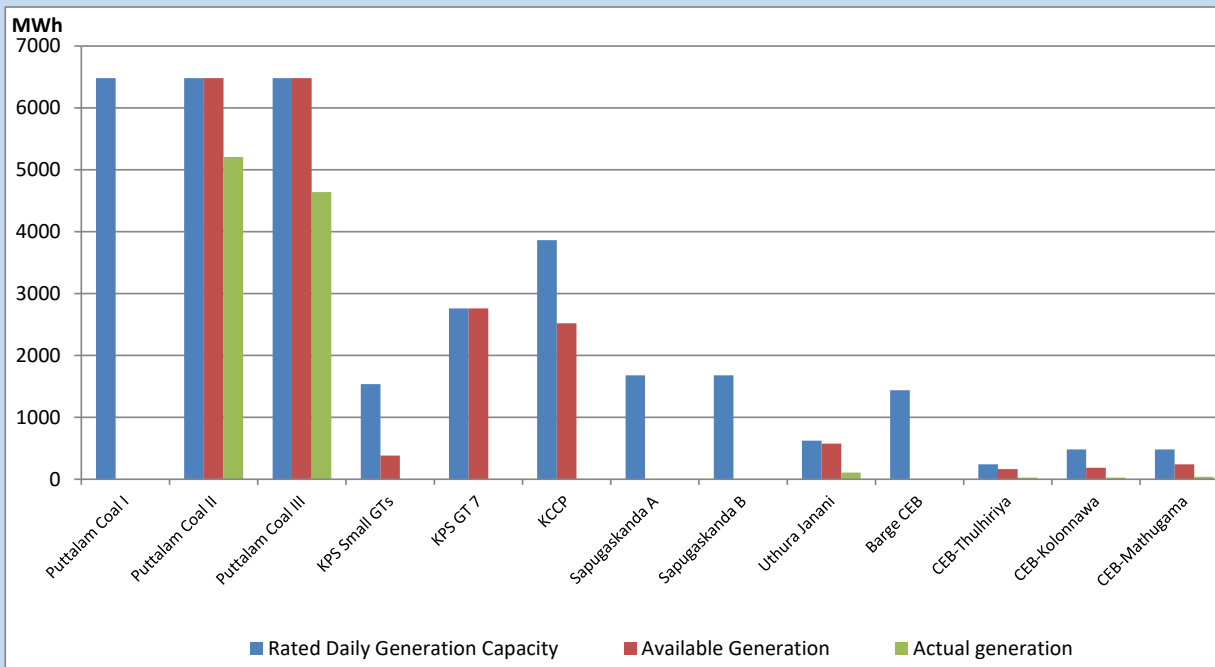
Category	Dispatch (GWh)	Percentage
CEB Hydro	191.88	32.30%
CEB Thermal Oil	67.82	11.42%
CEB Coal	200.31	33.72%
IPP Thermal	62.37	10.50%
SPP Wind	19.84	3.34%
CEB Wind	20.57	3.46%
SPP Solar	3.57	0.60%
SPP Solid Waste	3.93	0.66%
Mini Hydro	23.68	3.99%
<b>Total</b>	<b>593.97</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,340.2	23.72%
CEB Thermal Oil	853.3	15.10%
CEB Coal	2,320.6	41.07%
IPP Thermal	790.6	13.99%
SPP Wind	70.8	1.25%
CEB Wind	86.2	1.53%
SPP Solar	34.9	0.62%
SPP Solid Waste	27.7	0.49%
Mini Hydro	125.7	2.23%
<b>Total</b>	<b>5,649.9</b>	

## CEB owned Thermal Plant Dispatch

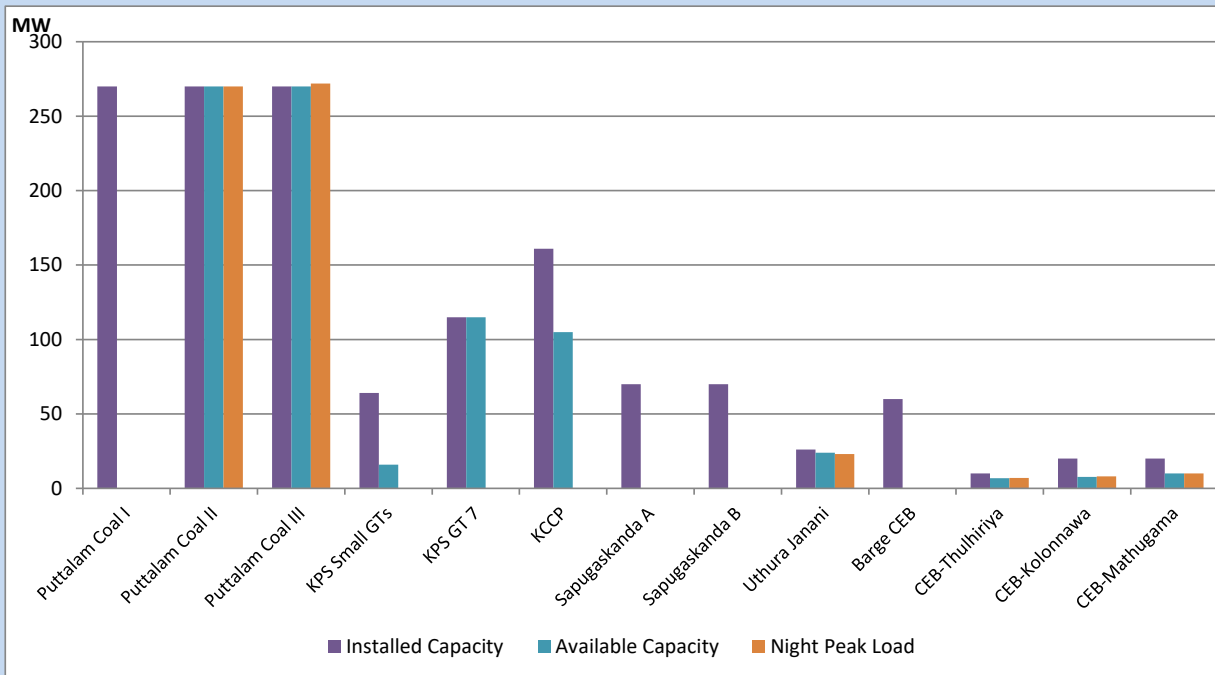
May 15, 2022



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

May 16, 2022

## CEB owned Thermal Plant Loading at the Night Peak



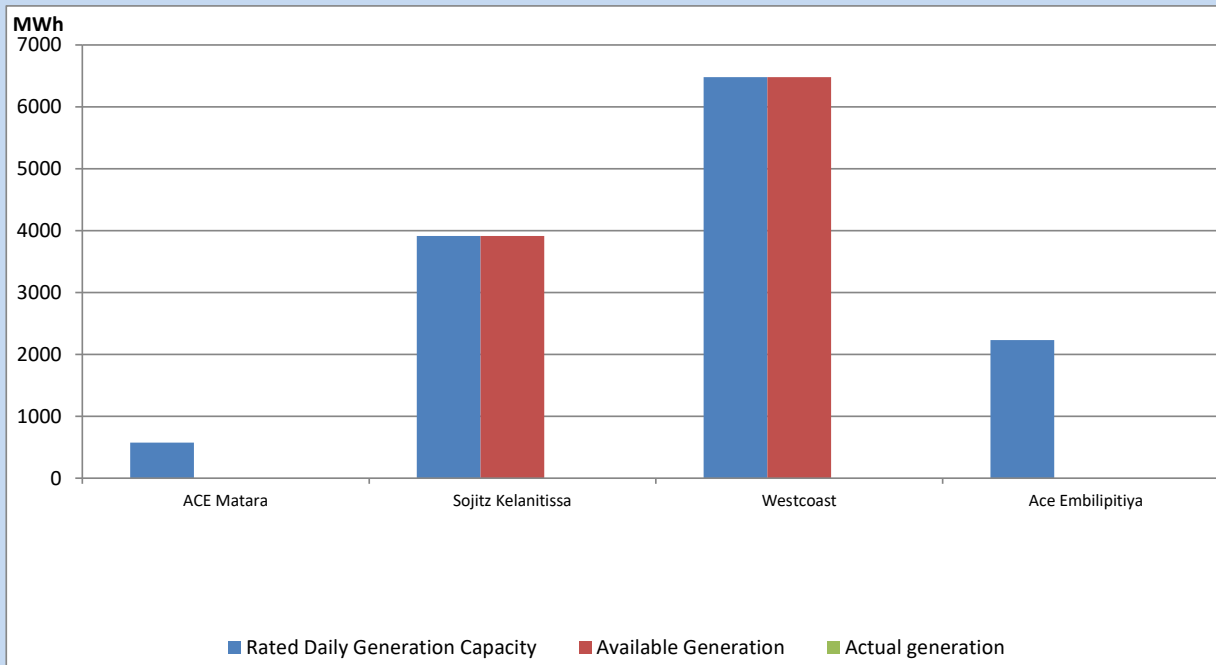
Note- Plant availability is recorded at 6.00 am on

May 16, 2022

## IPP owned Thermal Plant Dispatch

May 15, 2022

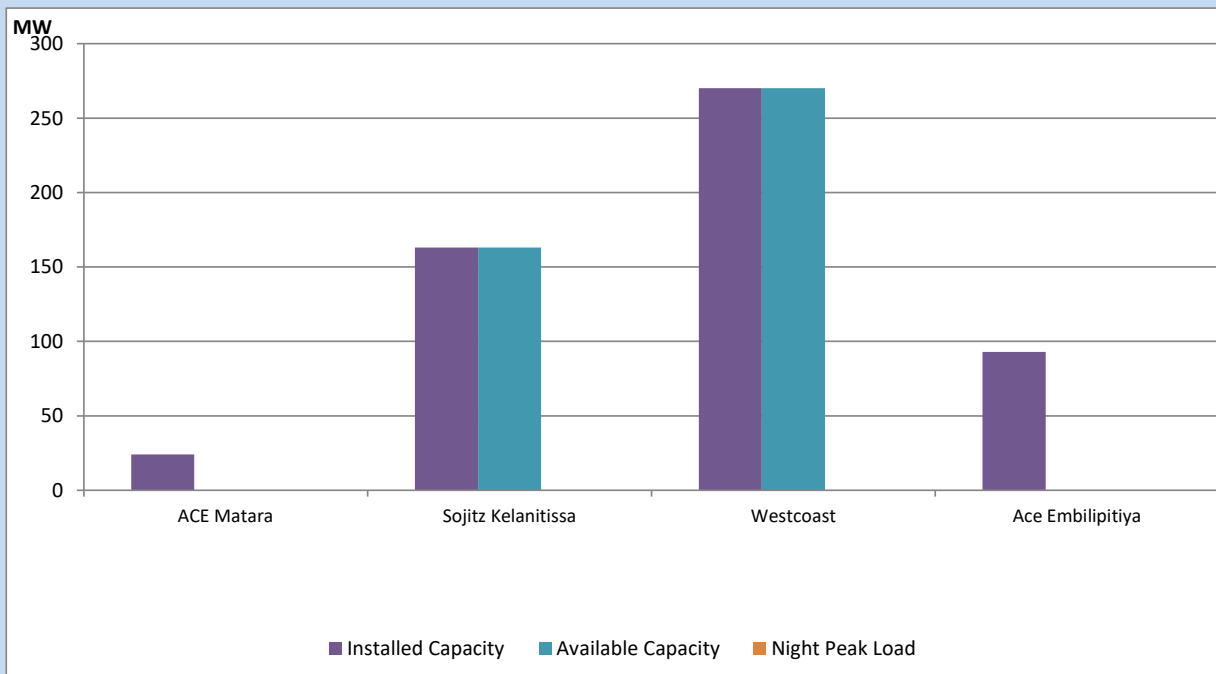
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 16, 2022

## IPP owned Thermal Plant Loading at the Night Peak

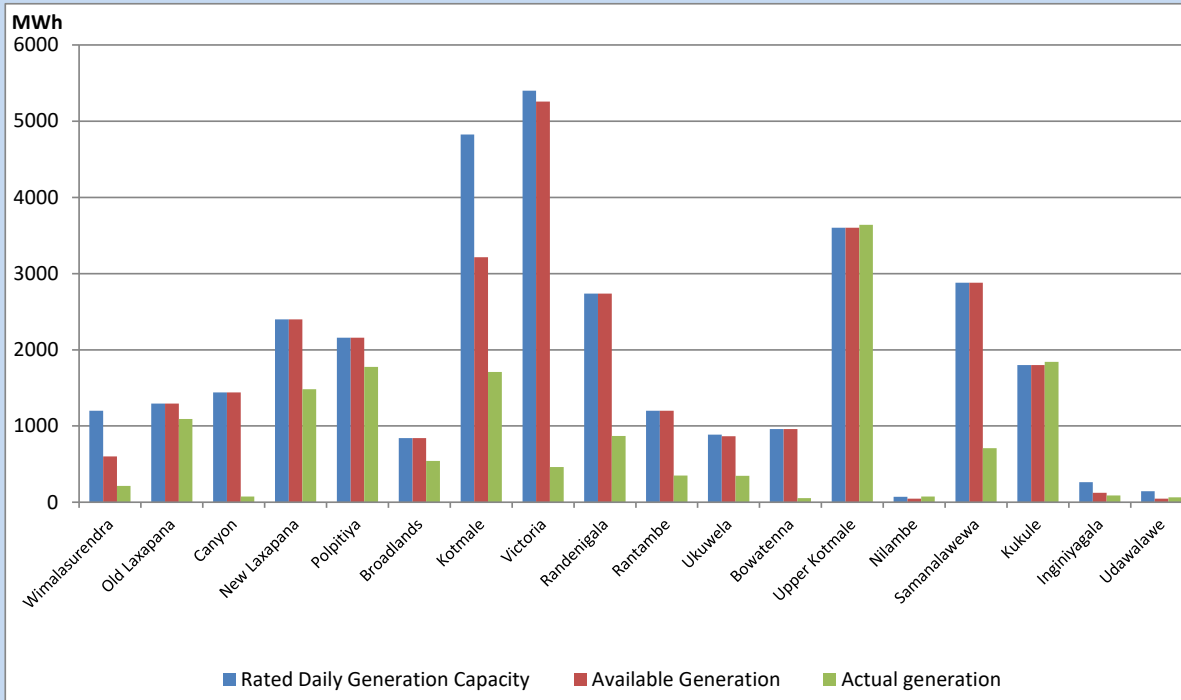


Note- Plant availability is recorded at 6.00 am on

May 16, 2022

## Major Hydro Plant Dispatch

May 15, 2022

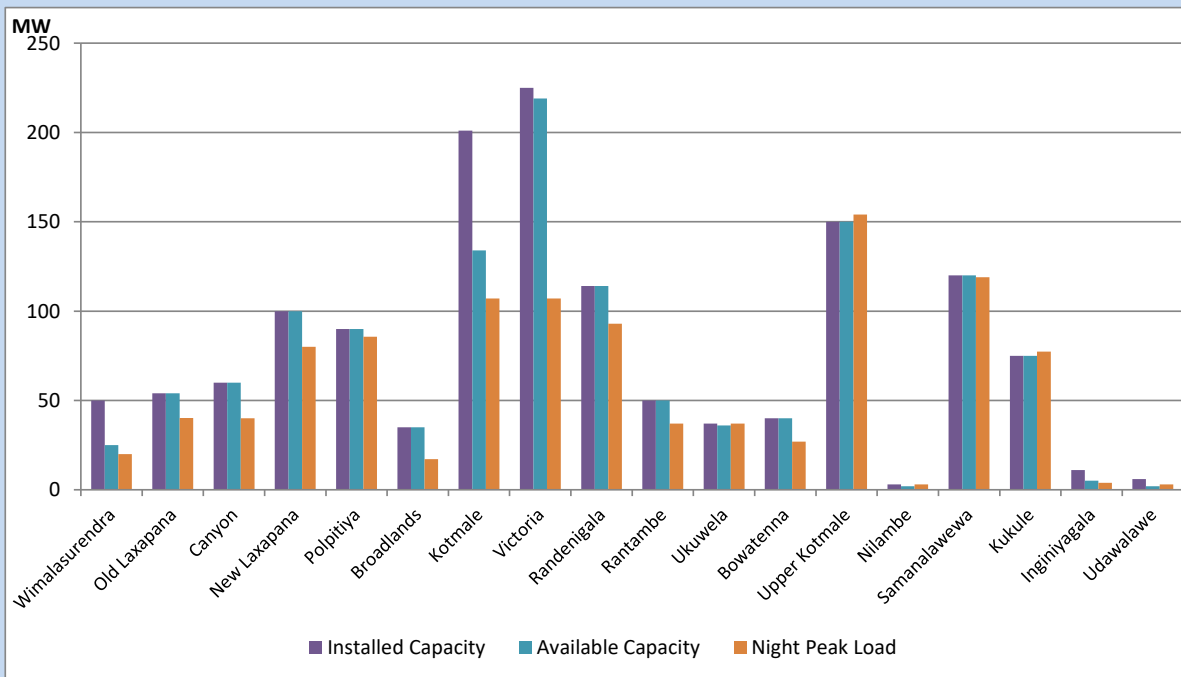


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 16, 2022

## Major Hydro Plant Loading at Night Peak

May 15, 2022



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

May 16, 2022

## Summary of Major Plant performance

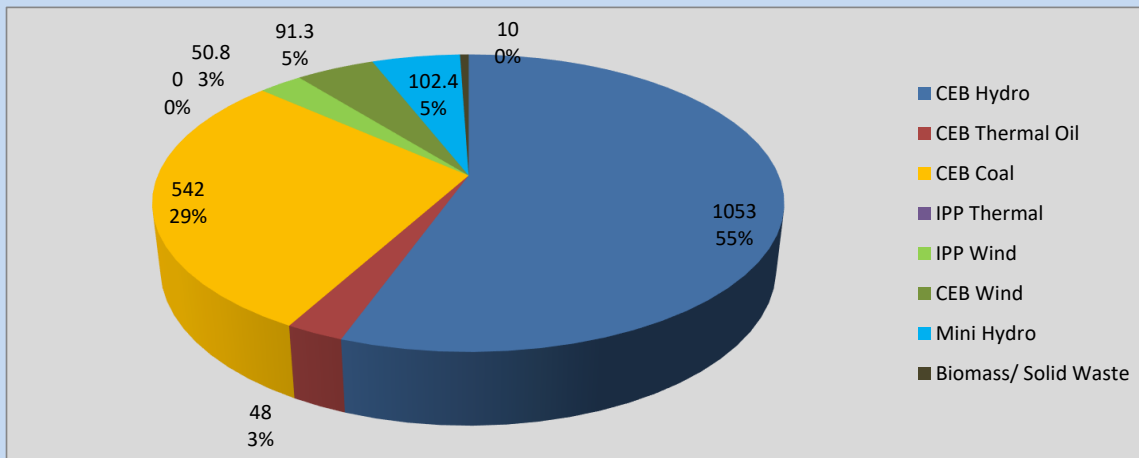
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	20	214
Old Laxapana	54	54	40	1,092
Canyon	60	60	40	76
New Laxapana	100	100	80	1,482
Polpitiya	90	90	86	1,776
Broadlands	35	35	17	541
Kotmale	201	134	107	1,710
Victoria	225	219	107	463
Randenigala	114	114	93	868
Rantambe	50	50	37	349
Ukuwela	37	36	37	345
Bowatenna	40	40	27	54
Upper Kotmale	150	150	154	3,640
Nilambe	3	2	3	75
Samanalawewa	120	120	119	709
Kukule	75	75	77	1,843
Inginiyagala	11	5	4	88
Udawalawe	6	2	3	64
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	270	5,207
Puttalam Coal III	270	270	272	4,642
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	105	0	0
Sapugaskanda A	70	0	0	0
Sapugaskanda B	70	0	0	0
Uthura Janani	26	24	23	108
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	7	7	28
CEB-Kolonnawa	20	8	8	29
CEB-Mathugama	20	10	10	38
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>2,569</b>	<b>1,896</b>	<b>32,365</b>

Plant availability is the availability recorded at 6 am on

May 16, 2022

## Contribution to the Night Peak in MW

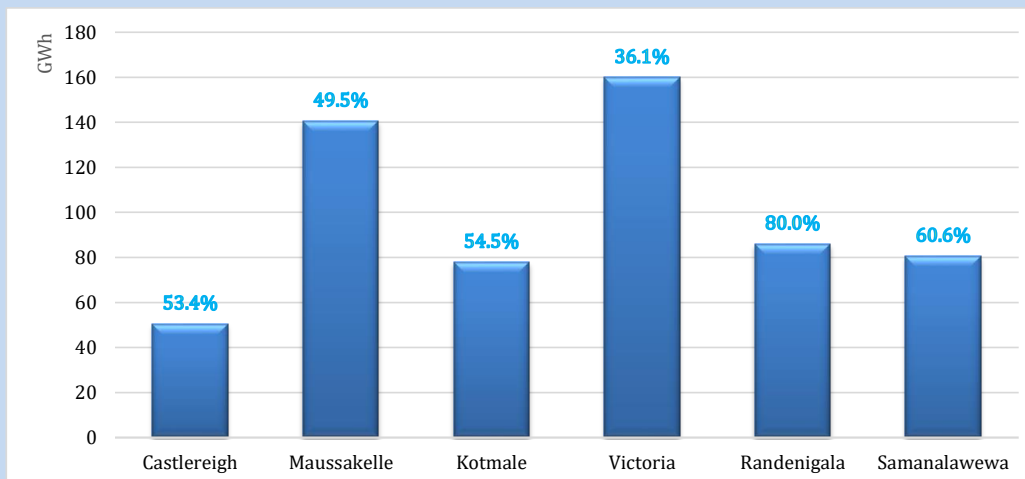
May 15, 2022



Night Peak*	1,897.6 MW
Day Peak	1,220.4 MW
Minimum Demand	1,134.1 MW

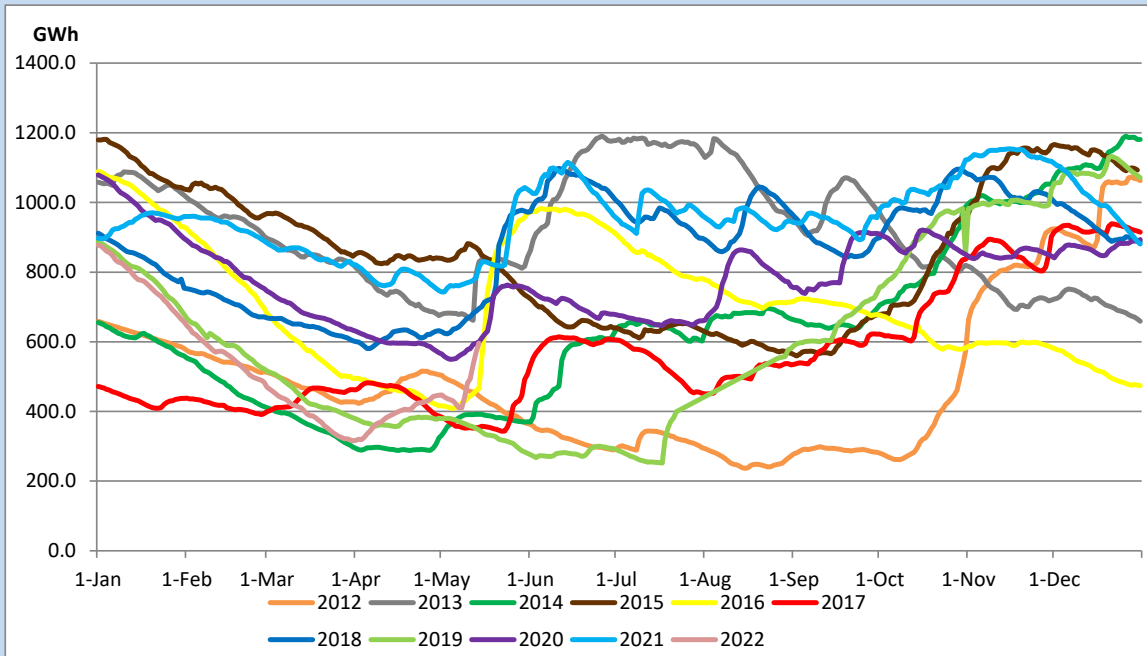
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on May 16, 2022



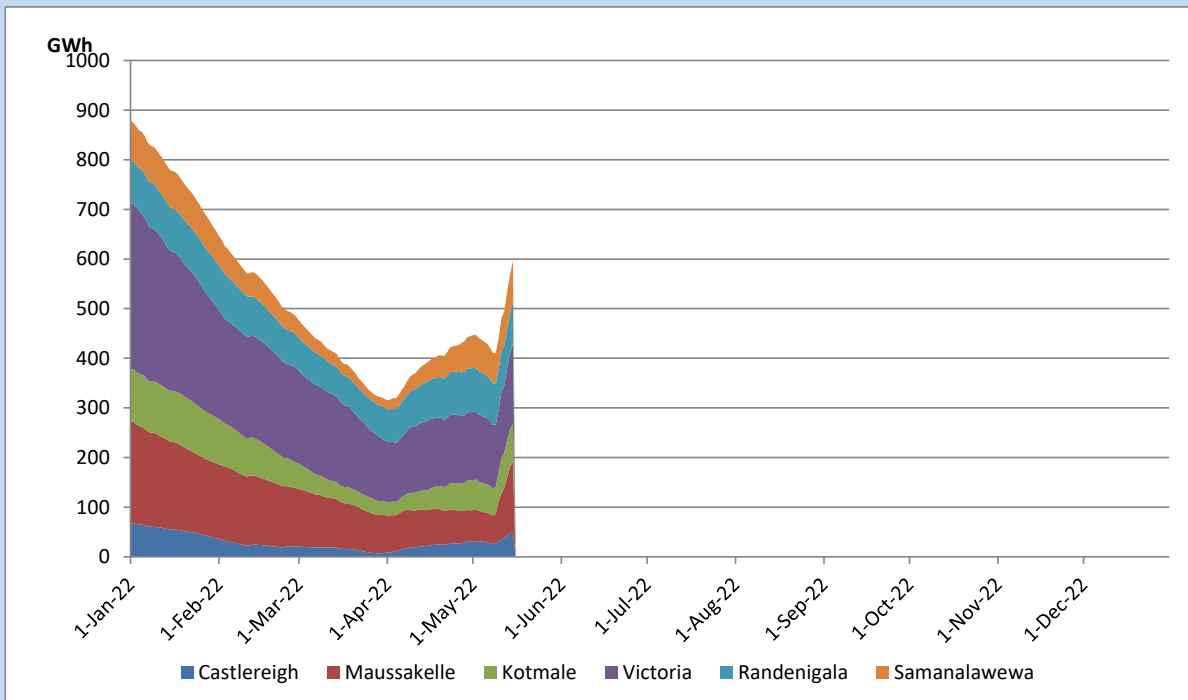
Total Reservoir Level	596.1 GWh
% of Total capacity	49.4%

## Comparison of Total Reservoir Storage Levels with Past Years



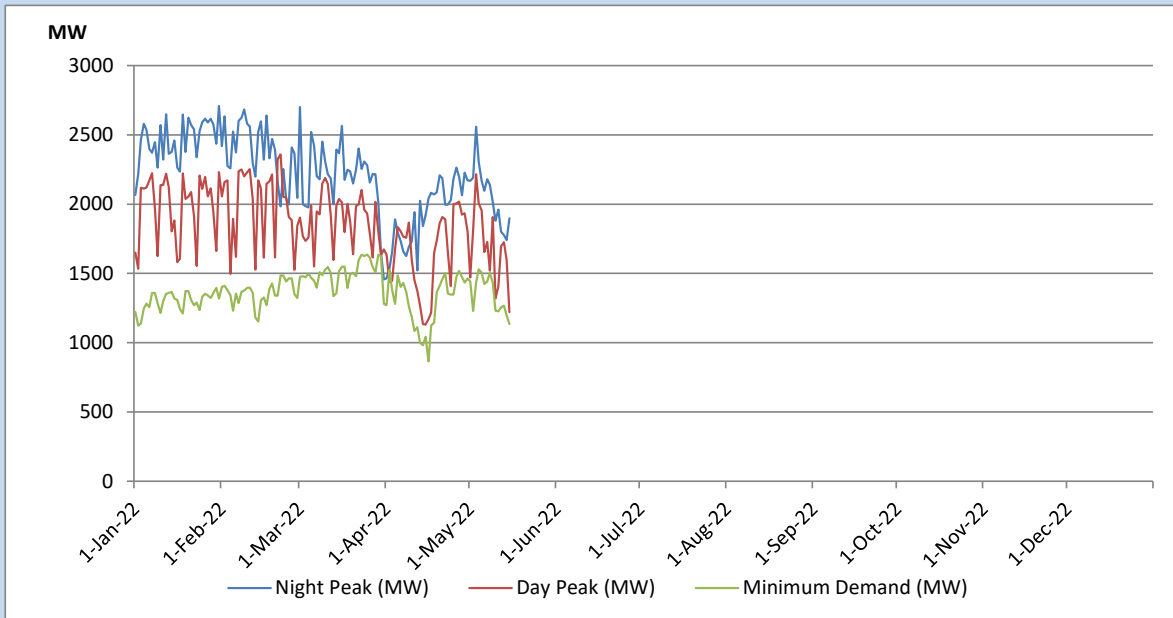
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

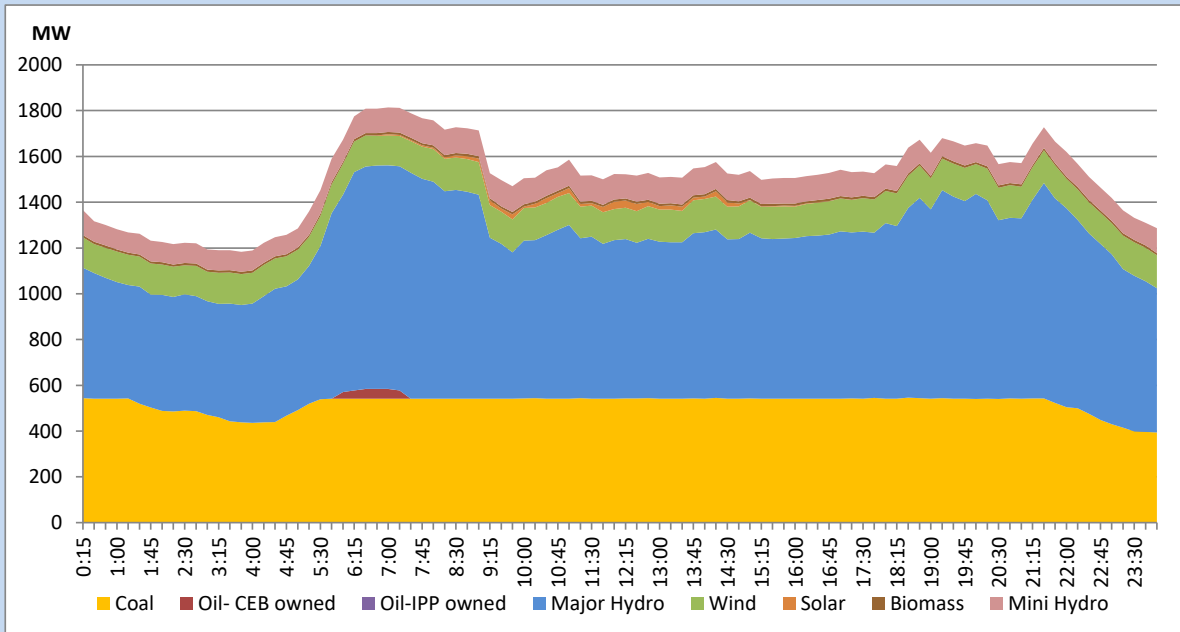


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

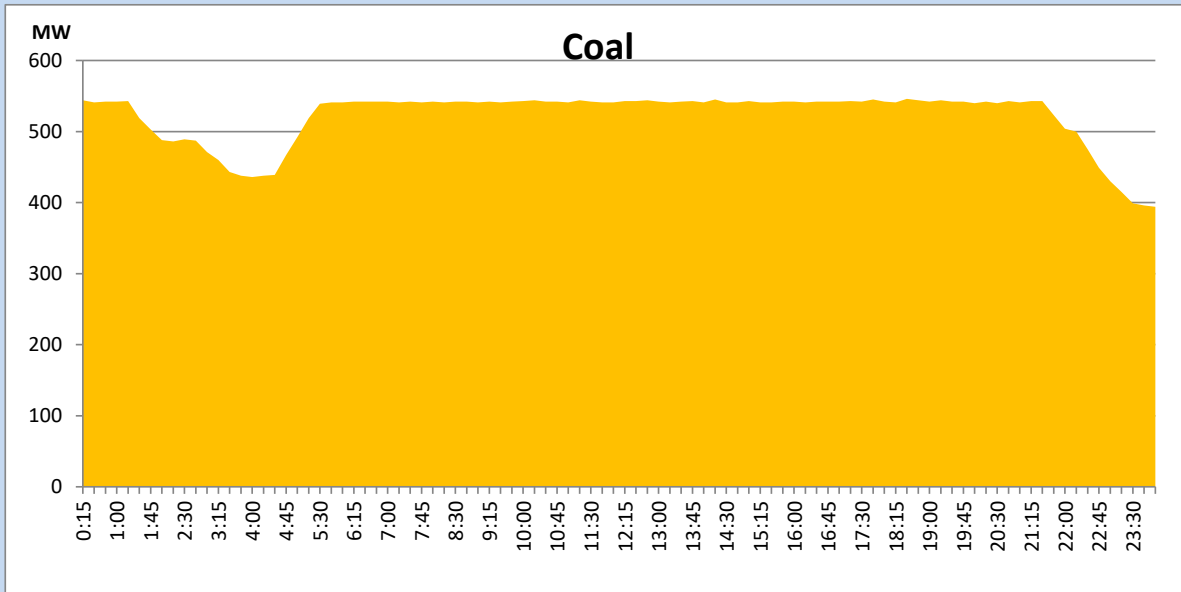
May 14, 2022

Solar and wind data is based on Telemetered Power Stations only



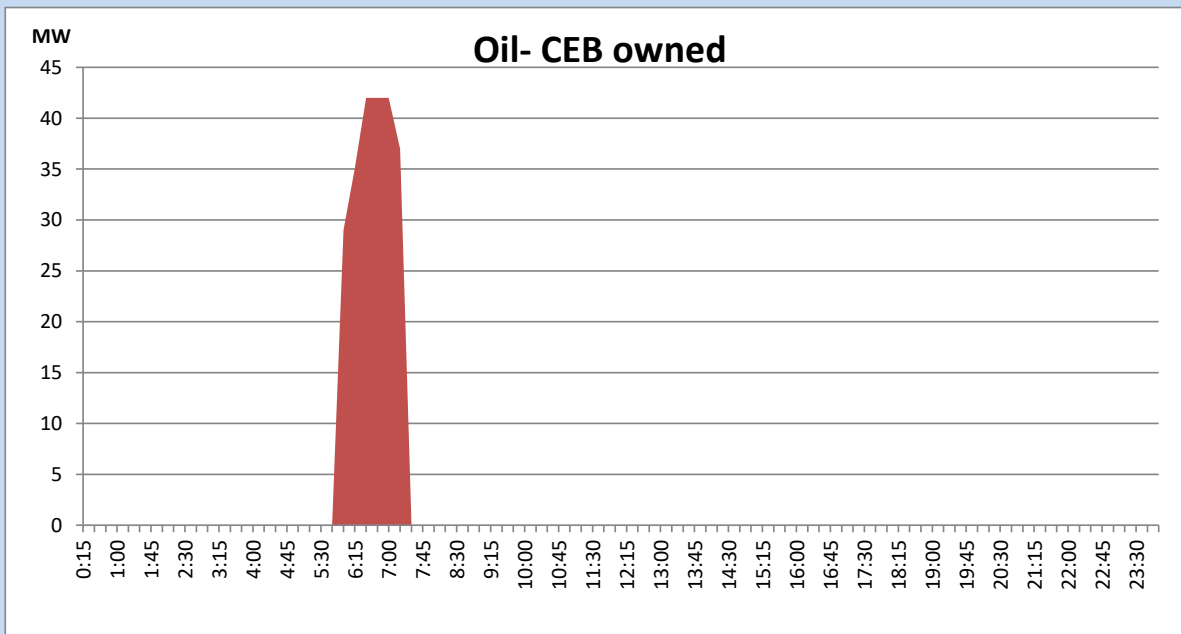
## Coal Generation during the Previous day

May 14, 2022



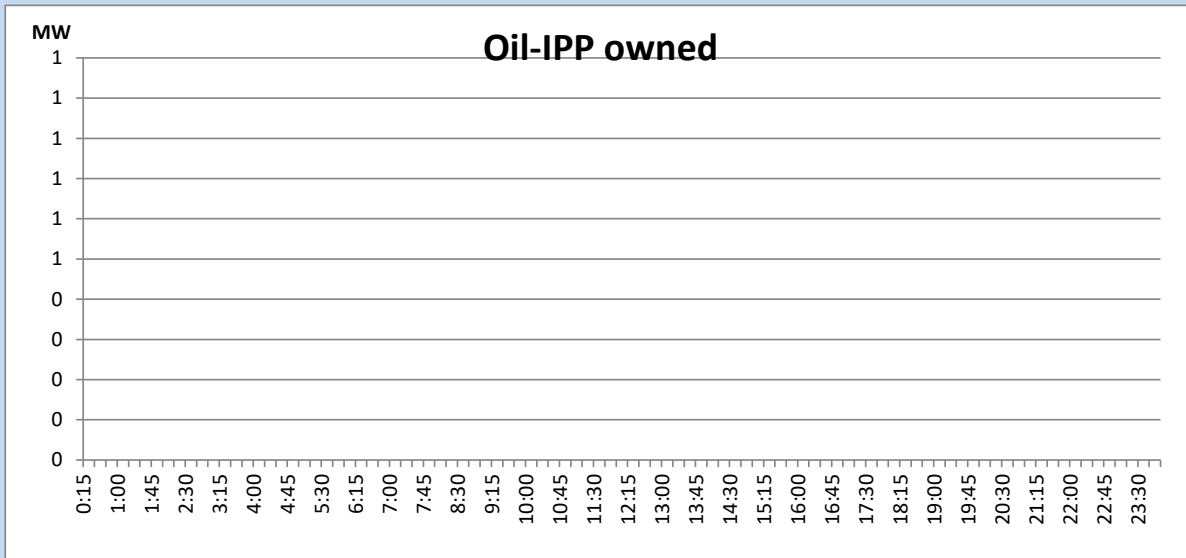
## CEB Oil Plant Generation during the Previous day

May 14, 2022



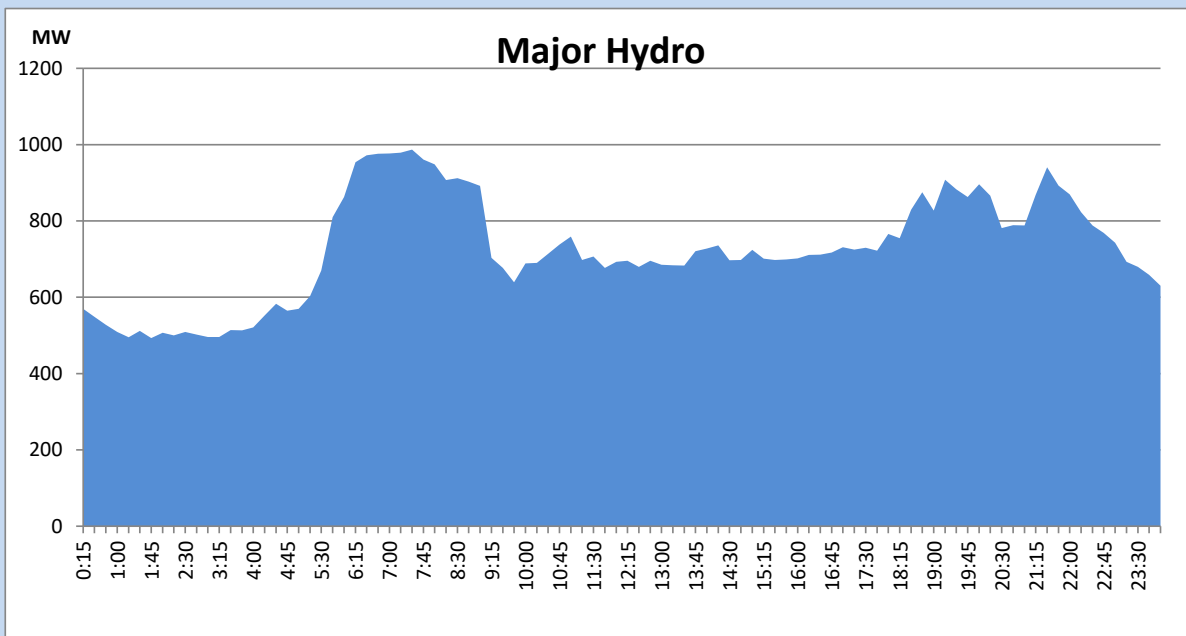
## IPP Oil Plant Generation during the Previous day

May 14, 2022



## Major Hydro Generation during the Previous day

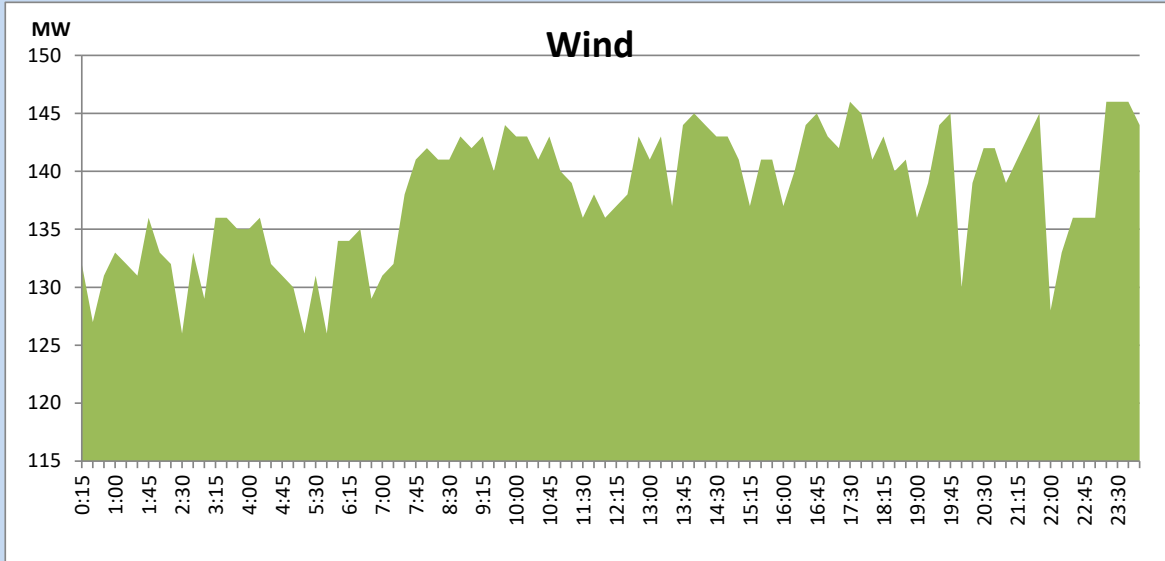
May 14, 2022



## Wind Generation during the Previous day

May 14, 2022

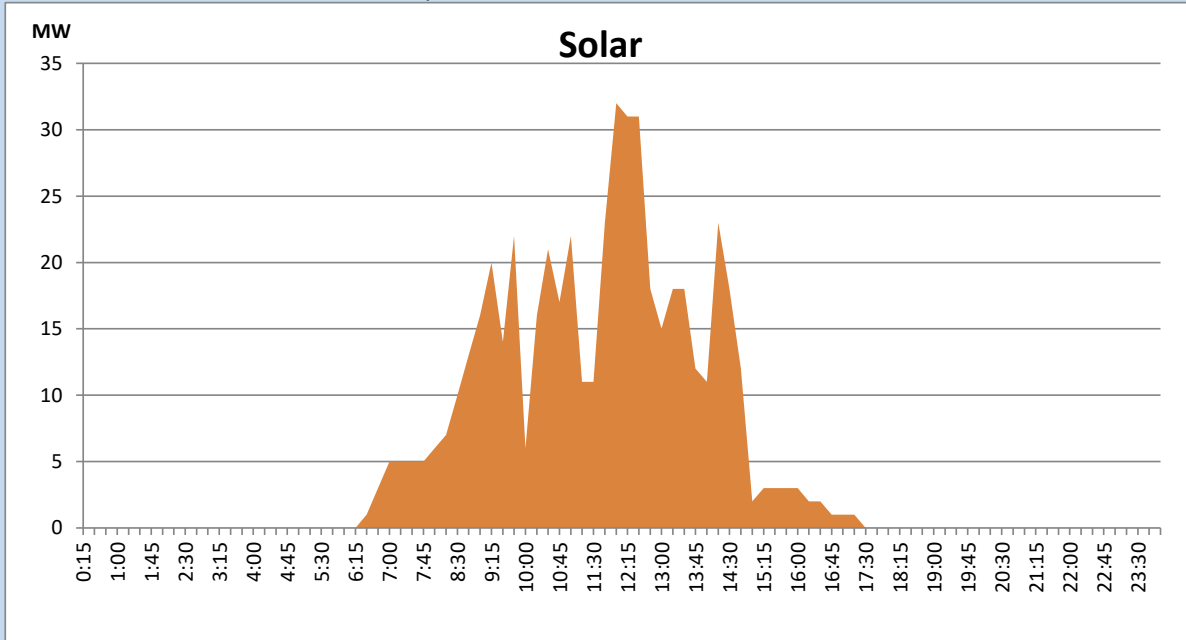
Based on Telemetered Power Stations only



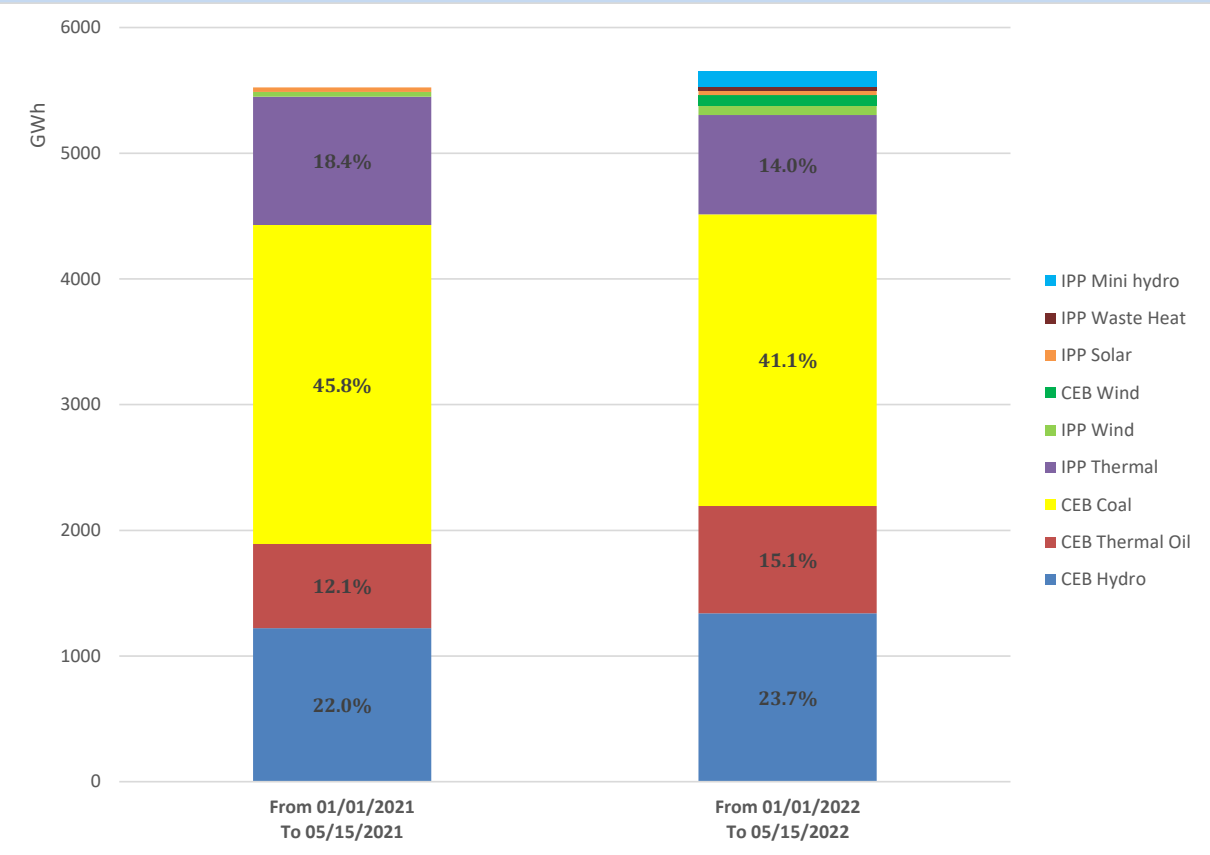
## Solar Generation during the Previous day

May 14, 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 16, 2022

- 1) UFLS Stage-I operated at 13:20 hrs due to tripping of mini hydro generation feeders. All feeders normalized by 13:25 hrs.