

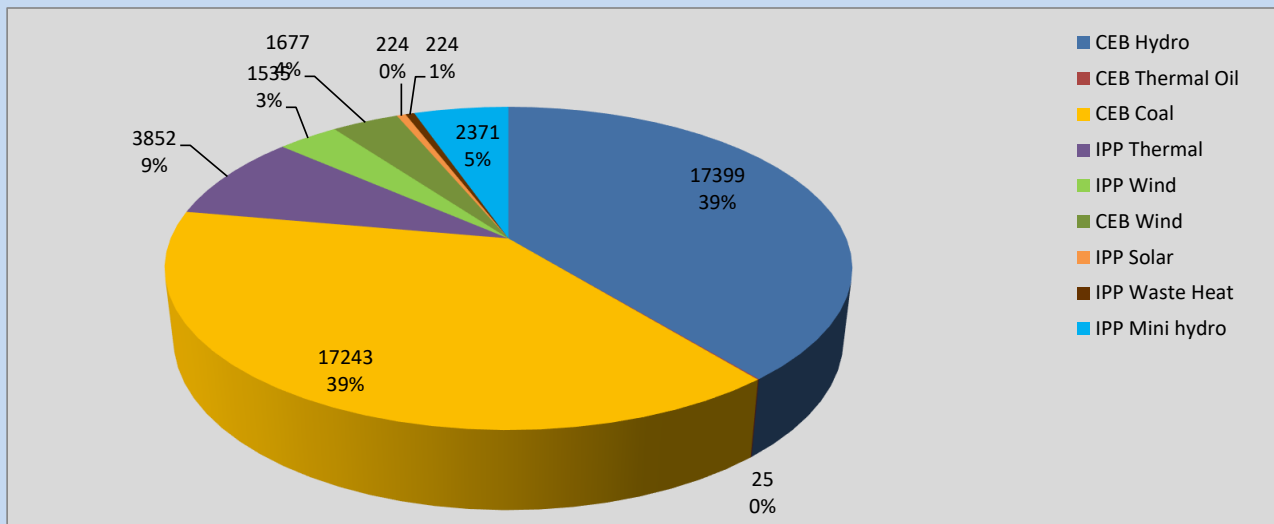
# Generation and Reservoirs Statistics

May 24, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **44,550 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

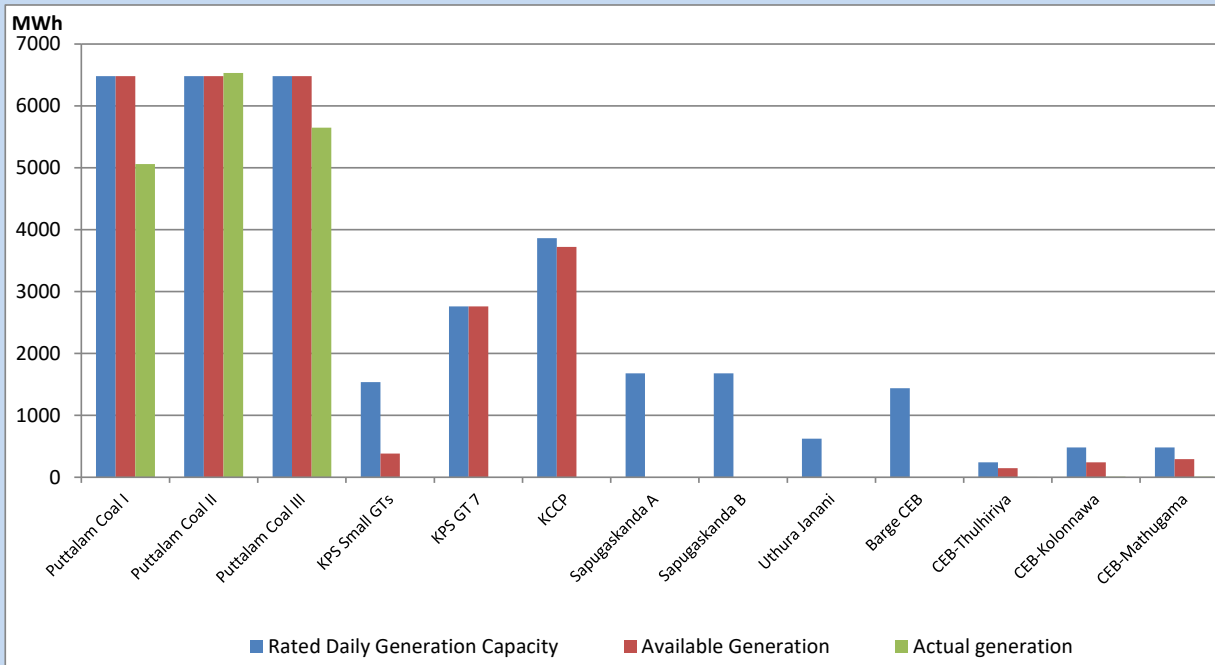
Category	Dispatch (GWh)	Percentage
CEB Hydro	350.96	36.99%
CEB Thermal Oil	72.16	7.61%
CEB Coal	320.25	33.76%
IPP Thermal	74.59	7.86%
SPP Wind	36.25	3.82%
CEB Wind	36.67	3.87%
SPP Solar	5.84	0.62%
SPP Solid Waste	6.20	0.65%
Mini Hydro	45.75	4.82%
<b>Total</b>	<b>948.67</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,499.2	24.97%
CEB Thermal Oil	857.7	14.28%
CEB Coal	2,440.6	40.65%
IPP Thermal	802.9	13.37%
SPP Wind	87.2	1.45%
CEB Wind	102.3	1.70%
SPP Solar	37.1	0.62%
SPP Solid Waste	30.0	0.50%
Mini Hydro	147.8	2.46%
<b>Total</b>	<b>6,004.6</b>	

## CEB owned Thermal Plant Dispatch

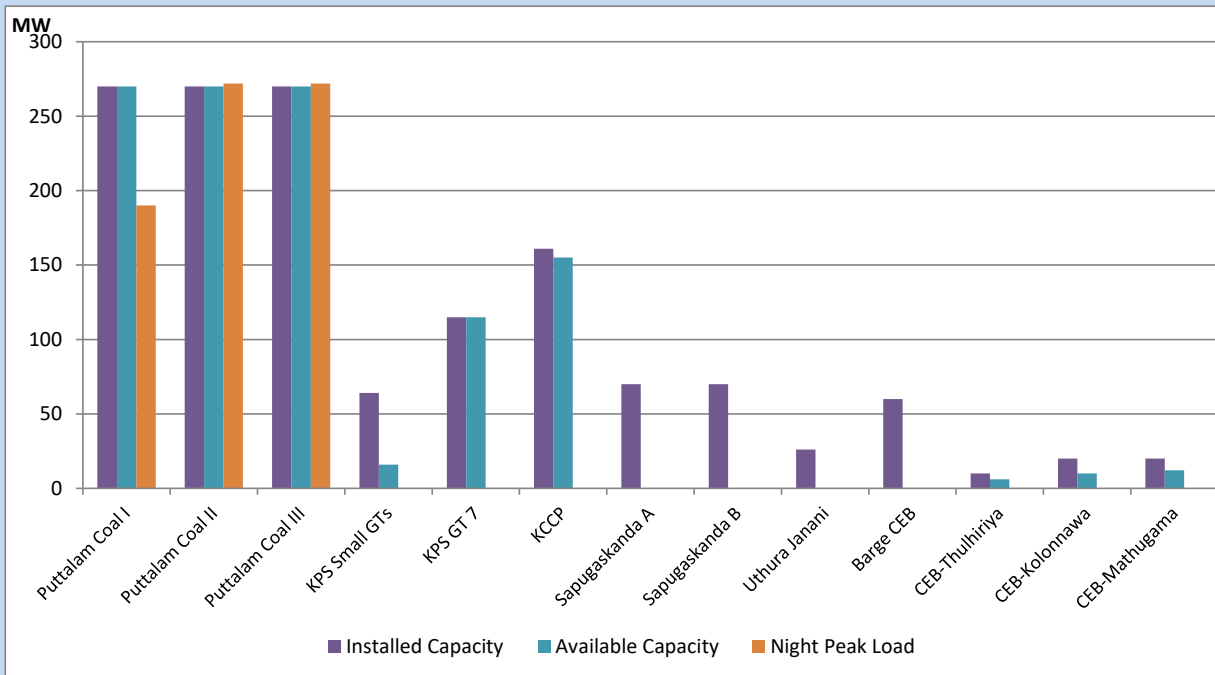
May 24, 2022



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

May 25, 2022

## CEB owned Thermal Plant Loading at the Night Peak



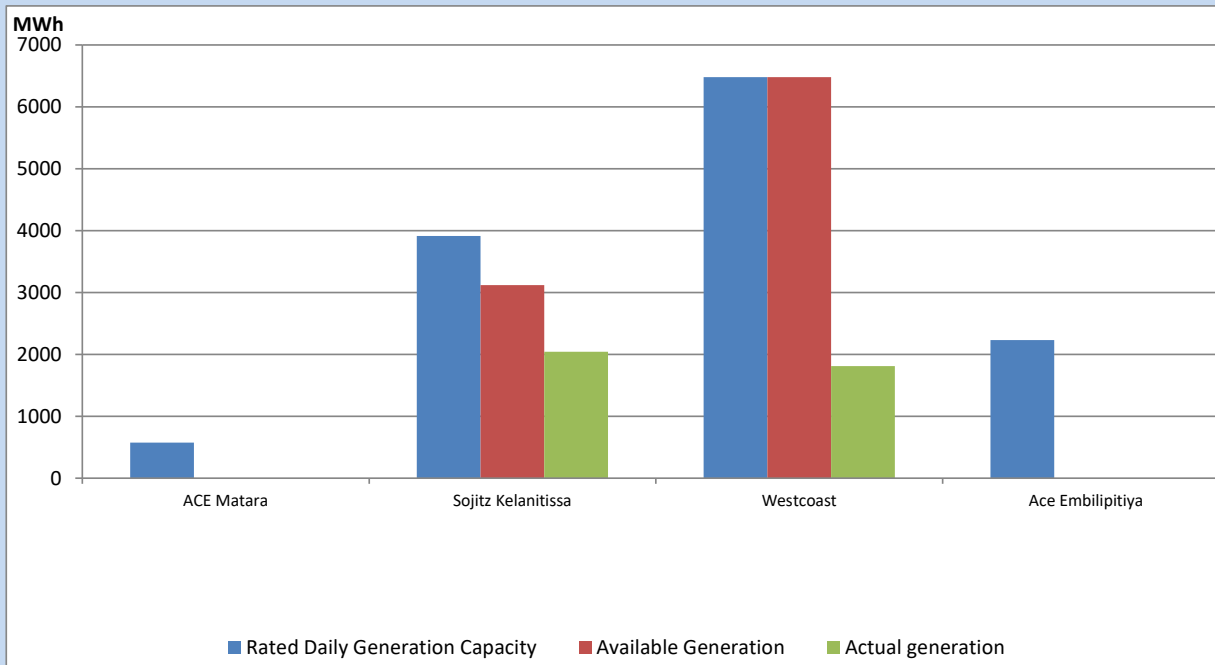
Note- Plant availability is recorded at 6.00 am on

May 25, 2022

## IPP owned Thermal Plant Dispatch

May 24, 2022

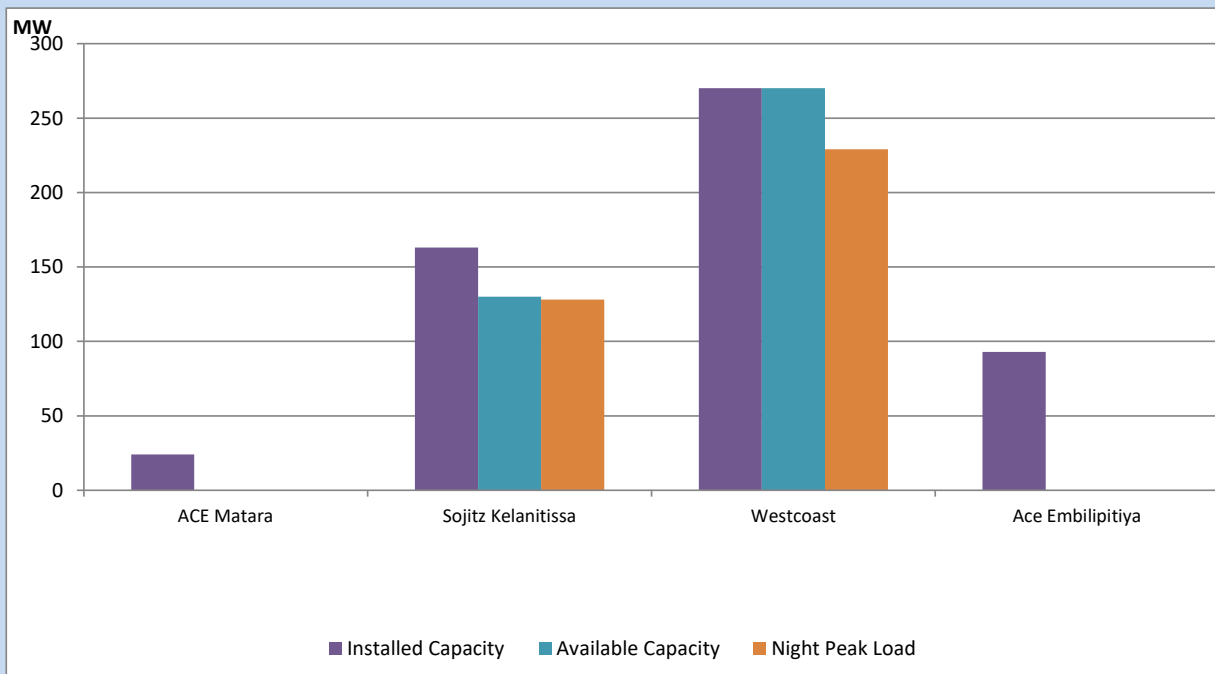
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 25, 2022

## IPP owned Thermal Plant Loading at the Night Peak

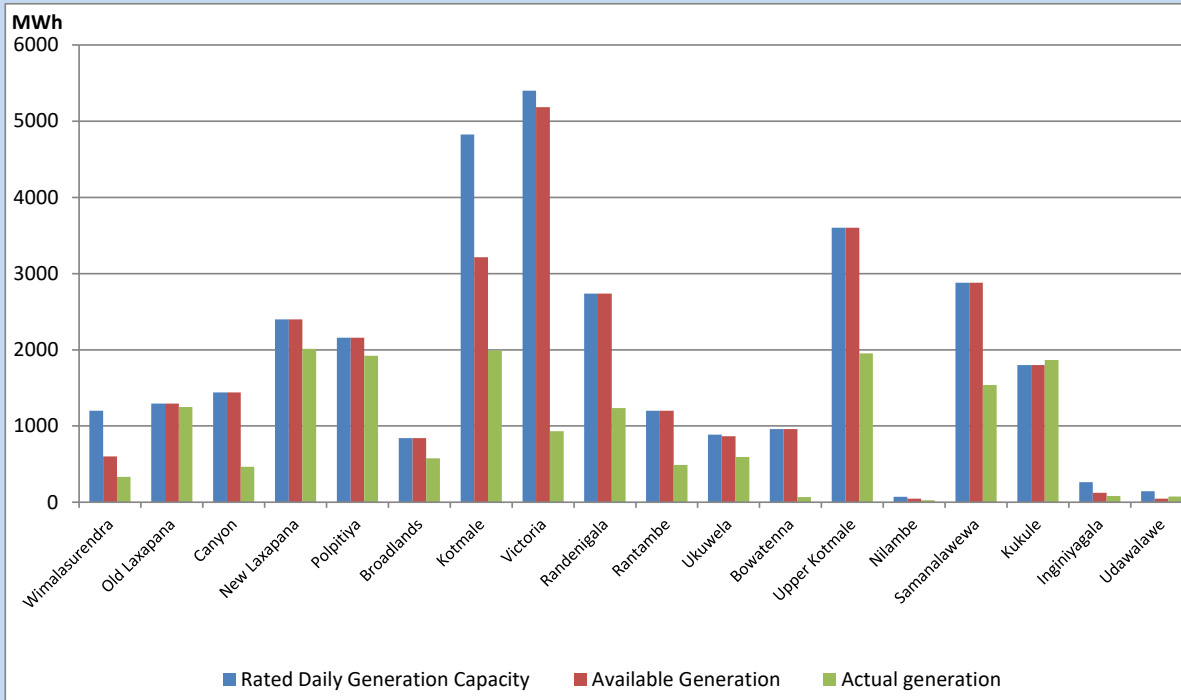


Note- Plant availability is recorded at 6.00 am on

May 25, 2022

## Major Hydro Plant Dispatch

May 24, 2022

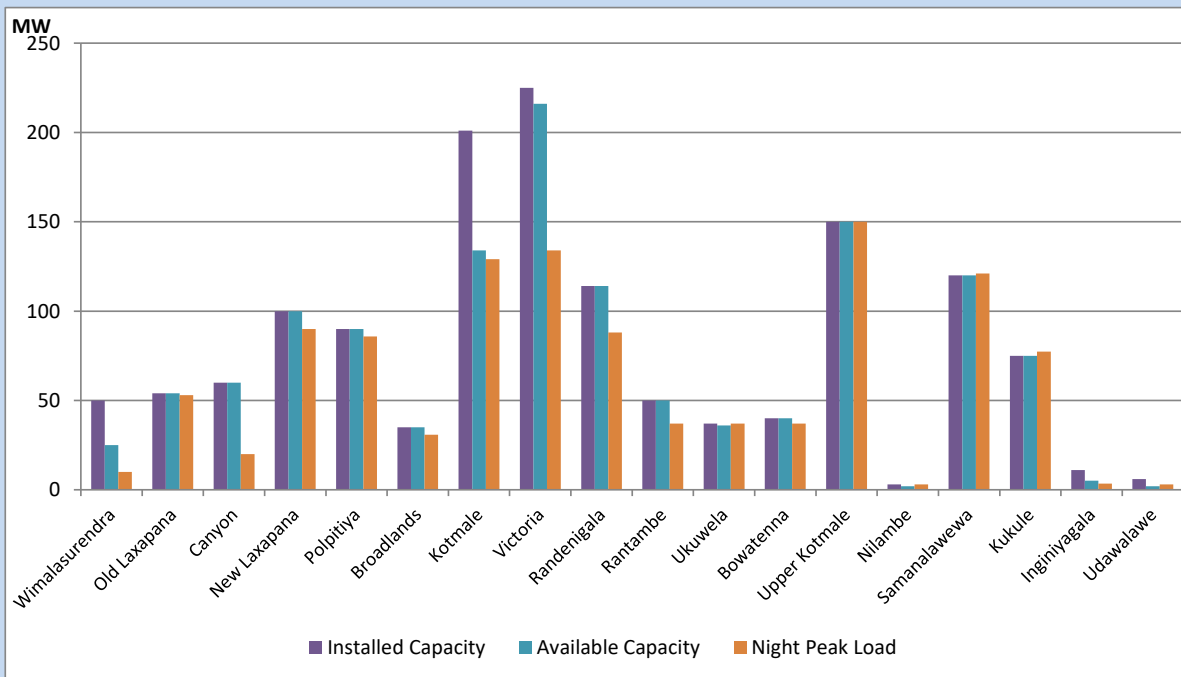


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 25, 2022

## Major Hydro Plant Loading at Night Peak

May 24, 2022



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

May 25, 2022

## Summary of Major Plant performance

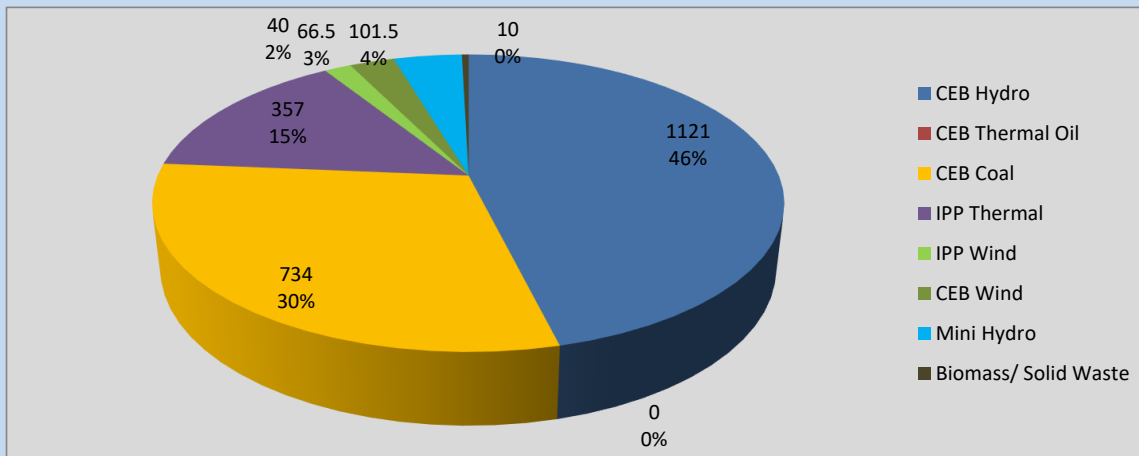
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	332
Old Laxapana	54	54	53	1,248
Canyon	60	60	20	466
New Laxapana	100	100	90	2,013
Polpitiya	90	90	86	1,921
Broadlands	35	35	31	576
Kotmale	201	134	129	1,990
Victoria	225	216	134	933
Randenigala	114	114	88	1,235
Rantambe	50	50	37	490
Ukuwela	37	36	37	593
Bowatenna	40	40	37	66
Upper Kotmale	150	150	150	1,952
Nilambe	3	2	3	26
Samanalawewa	120	120	121	1,537
Kukule	75	75	77	1,865
Inginiyagala	11	5	4	82
Udawalawe	6	2	3	74
Puttalam Coal I	270	270	190	5,061
Puttalam Coal II	270	270	272	6,534
Puttalam Coal III	270	270	272	5,648
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	155	0	0
Sapugaskanda A	70	0	0	0
Sapugaskanda B	70	0	0	0
Uthura Janani	26	0	0	0
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	6	0	6
CEB-Kolonnawa	20	10	0	9
CEB-Mathugama	20	12	0	10
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	130	128	2,041
West Coast	270	270	229	1,811
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,833</b>	<b>2,418</b>	<b>44,550</b>

Plant availability is the availability recorded at 6 am on

May 25, 2022

## Contribution to the Night Peak in MW

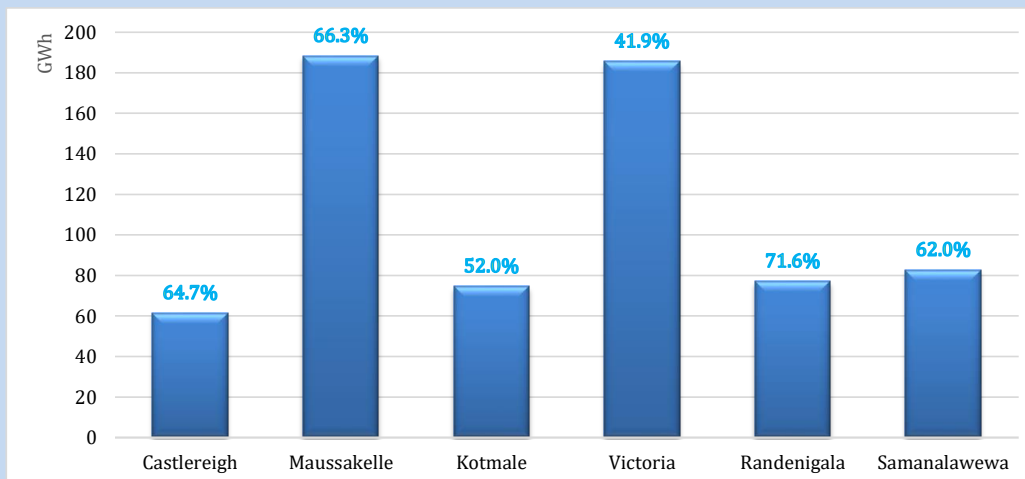
May 24, 2022



Night Peak*	2,430.3 MW
Day Peak	2,165.1 MW
Minimum Demand	1,333.6 MW

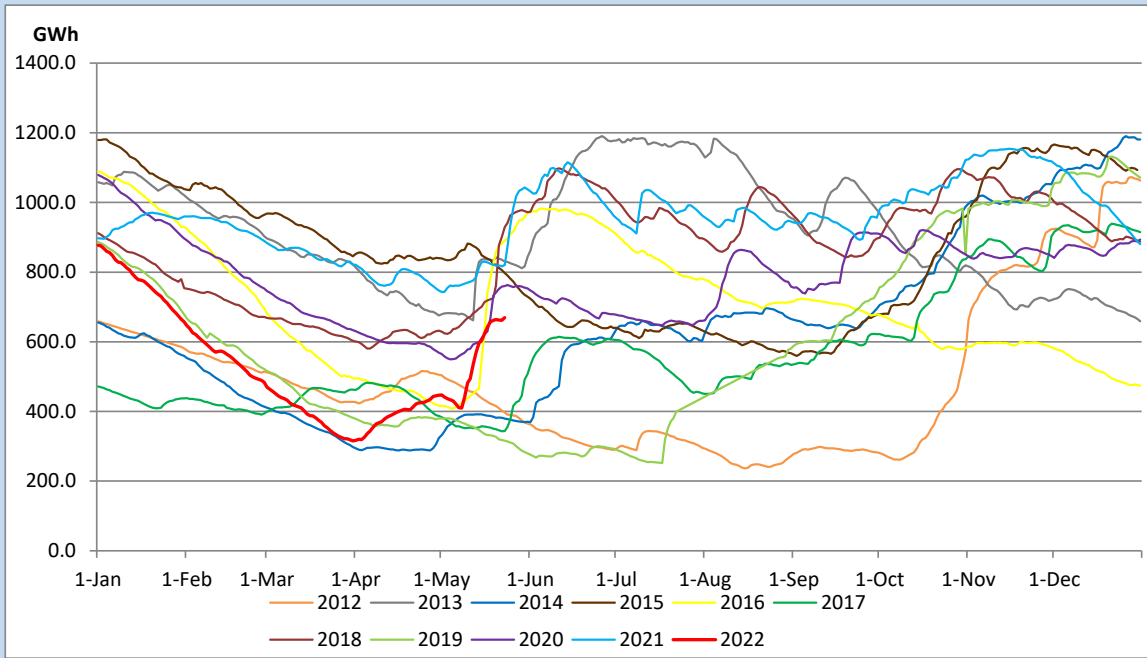
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

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

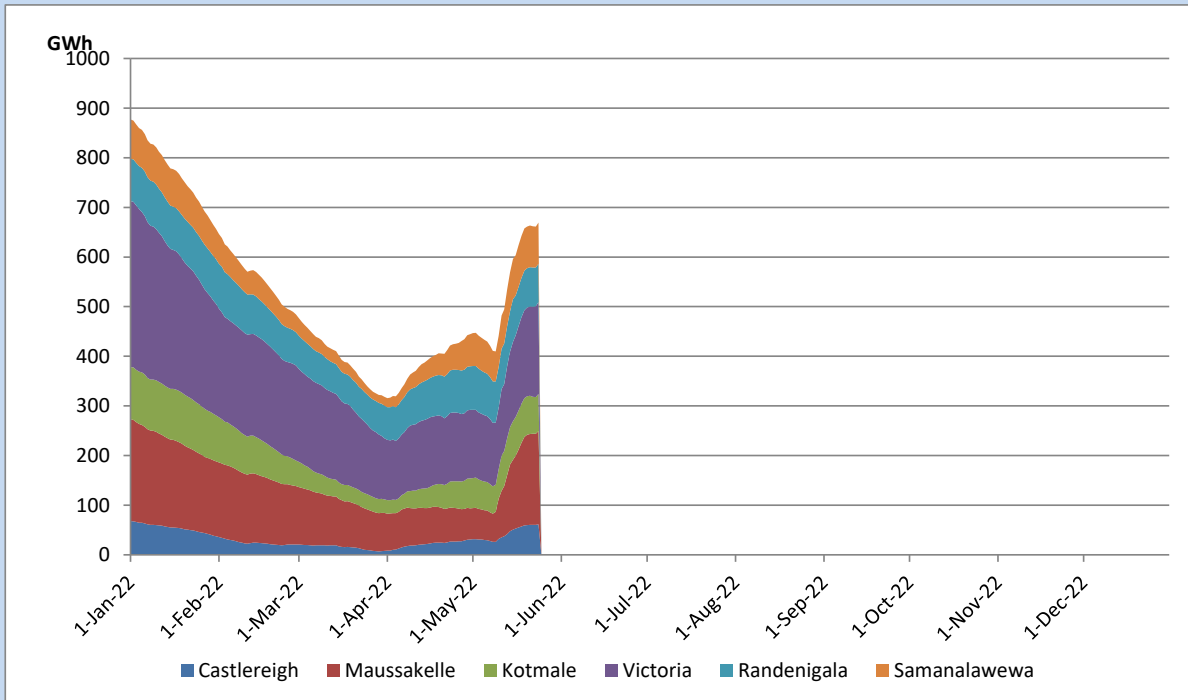


Total Reservoir Level	669.1 GWh
% of Total capacity	55.5%

## Comparison of Total Reservoir Storage Levels with Past Years

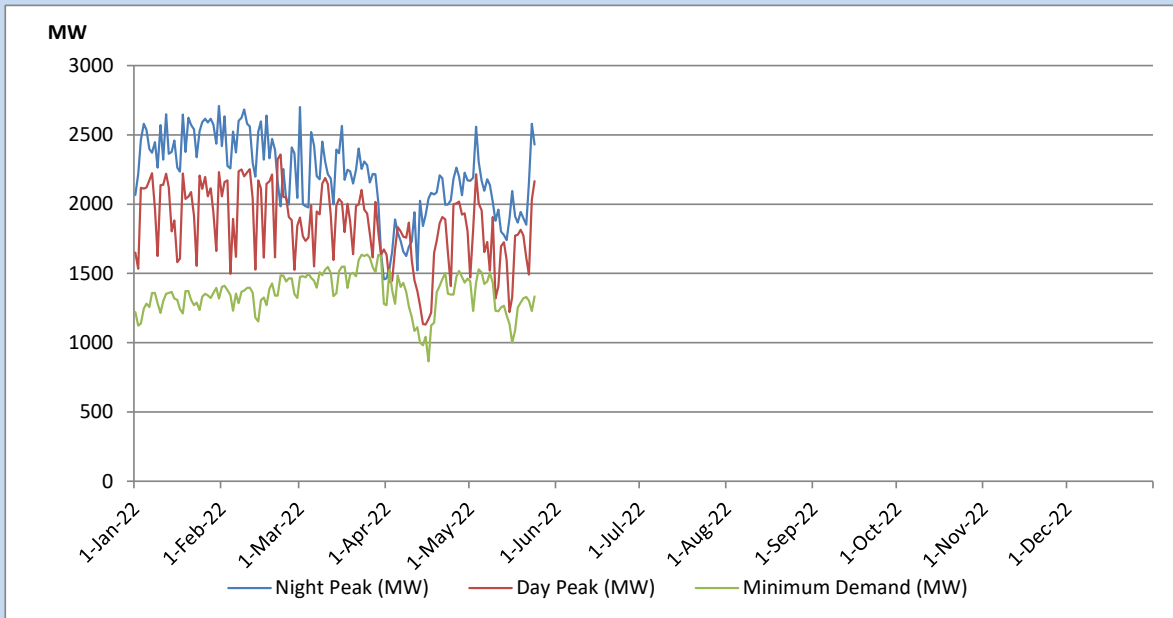


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

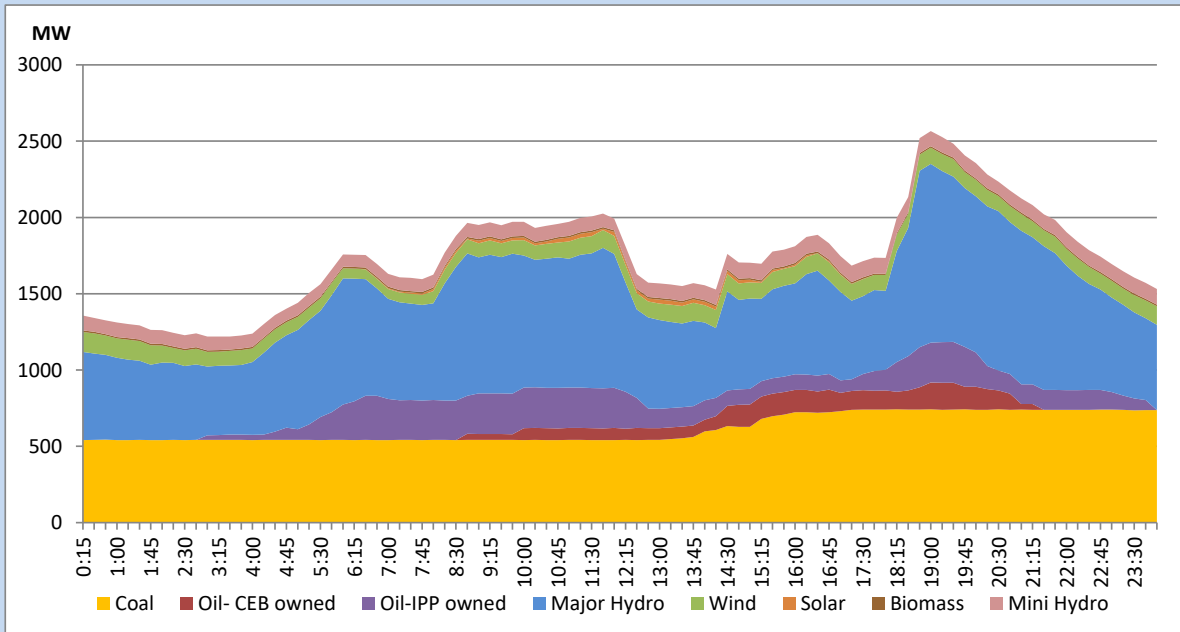


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

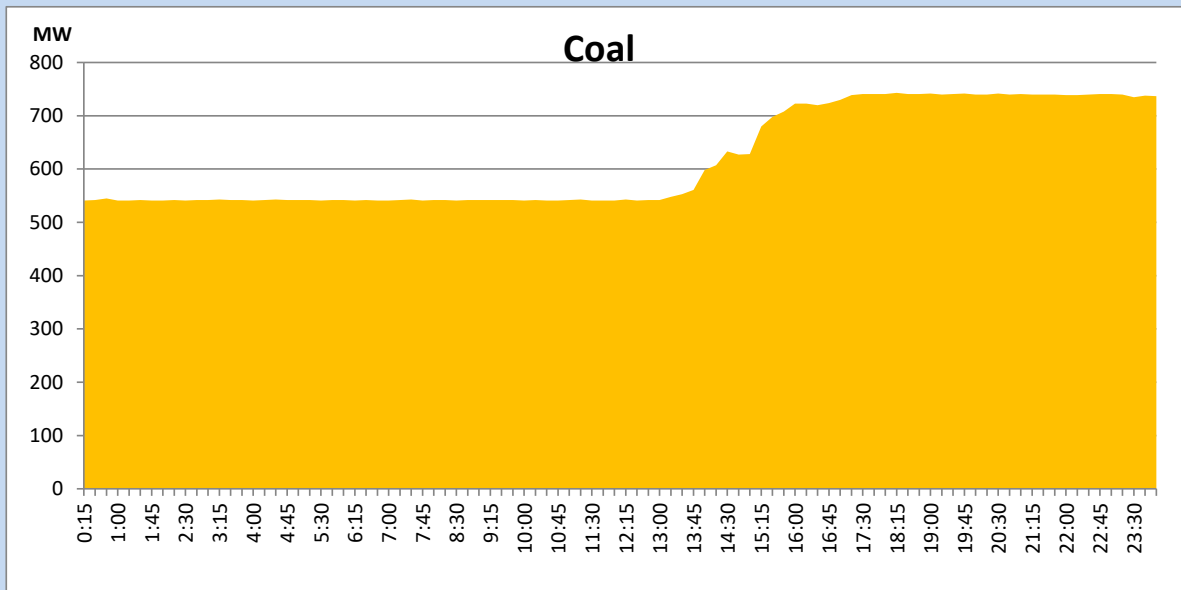
May 23, 2022

Solar and wind data is based on Telemetered Power Stations only



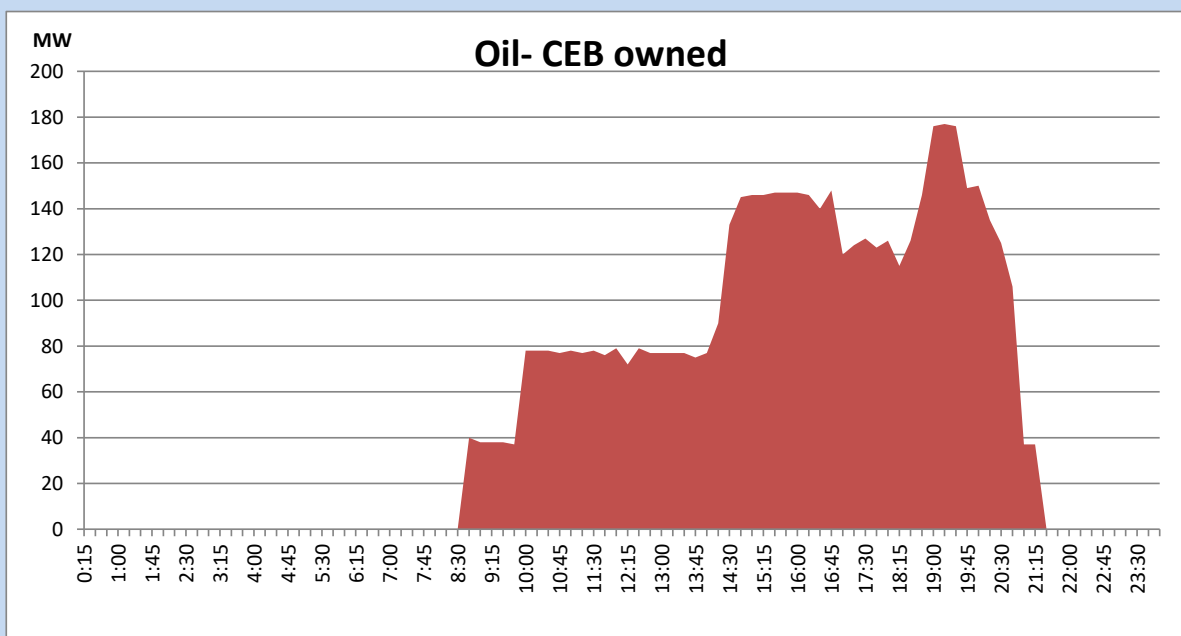
## Coal Generation during the Previous day

May 23, 2022



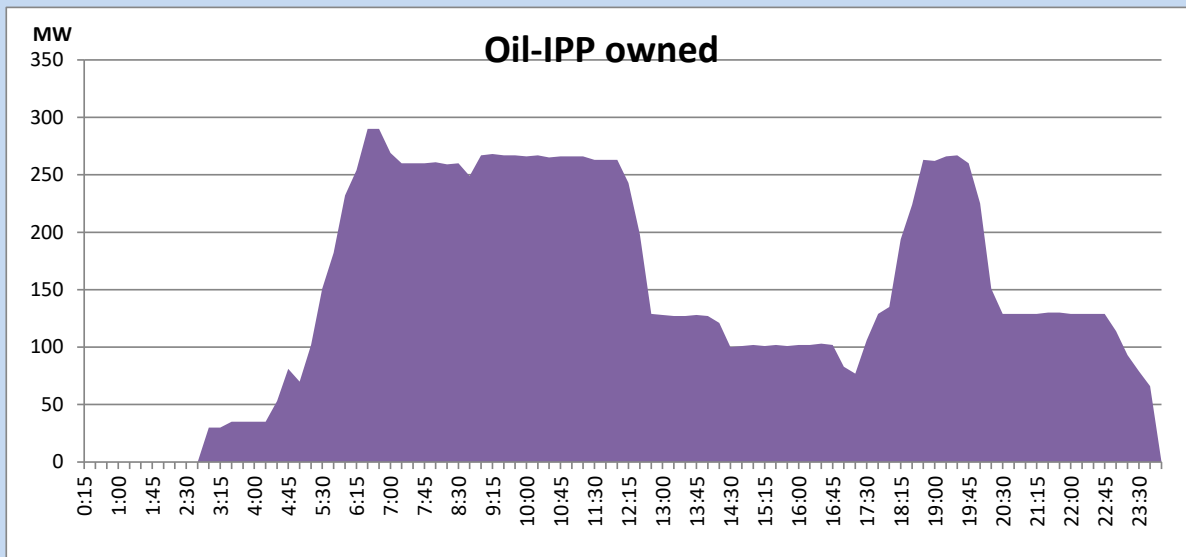
## CEB Oil Plant Generation during the Previous day

May 23, 2022



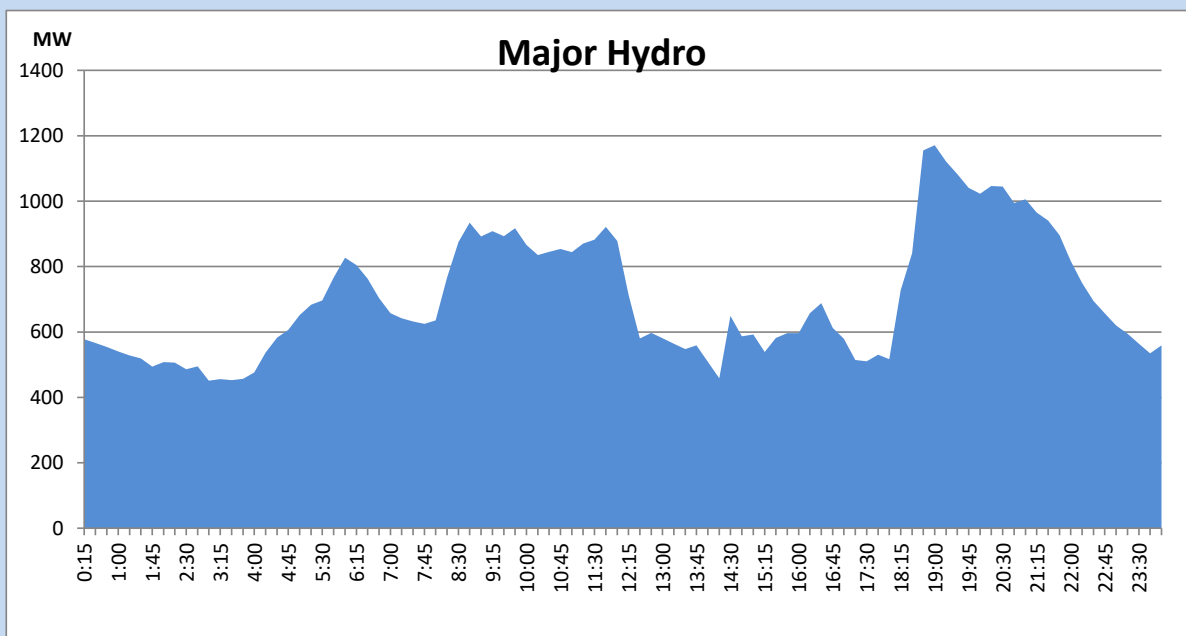
## IPP Oil Plant Generation during the Previous day

May 23, 2022



## Major Hydro Generation during the Previous day

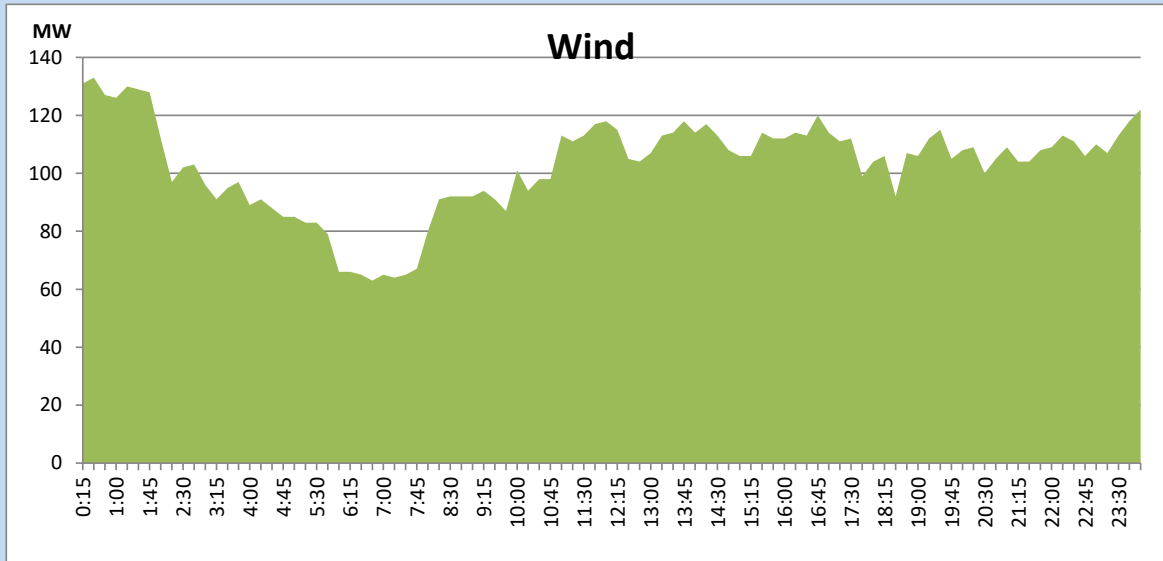
May 23, 2022



## Wind Generation during the Previous day

May 23, 2022

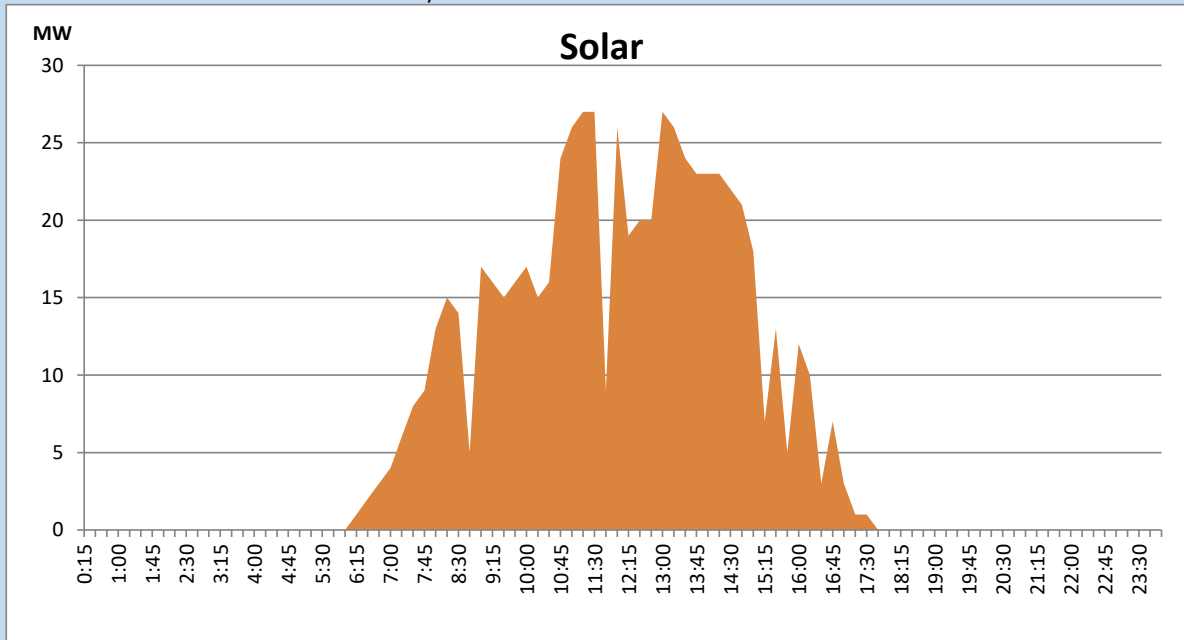
Based on Telemetered Power Stations only



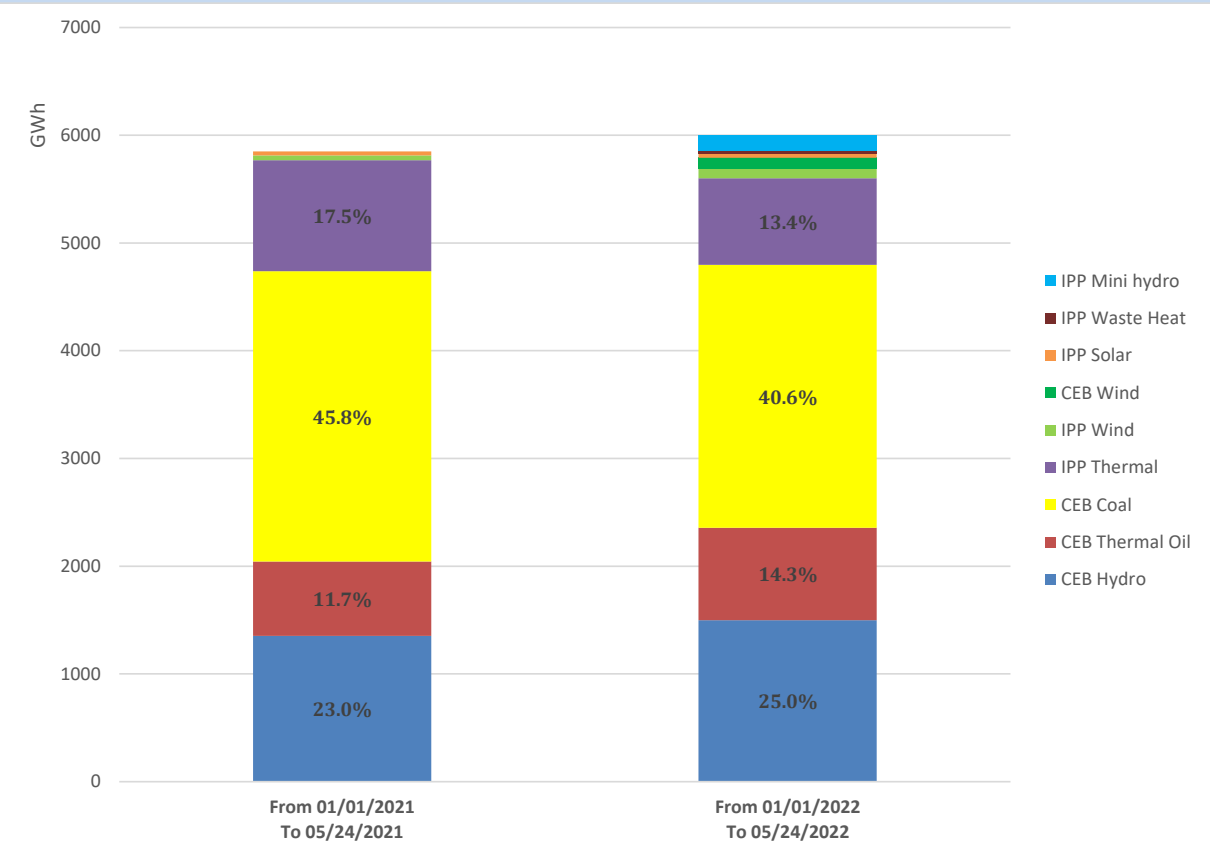
## Solar Generation during the Previous day

May 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 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	Auto Diesel / Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

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

May 25, 2022

- 1) Rotational manual load shedding was carried out from 6:00hrs to 9:00hrs and 15:00hrs to 18:30hrs.
- 2) LVPS - N'Anu cct 01 tripped and auto reclosed at 7:44hrs due to operation of distance protection.
- 3) LVPS unit 03 performed a runback upto 130 MW (net) at 8:48hrs due to tripping of a FD fan and reached full load at 15:55hrs.
- 4) LVPS unit 01 reached full load by 20:00hrs after maintenance of cooling water pump.
- 5) Kotugoda 33kV GIS became dead at 2:23hrs (25/05/2022) with tripping of all 33kV circuit breakers due to arc detection operated in 33kV feeder 13 .Kotugoda 33kV GIS was restored by 03.20hrs except the 33kV feeder 13.