

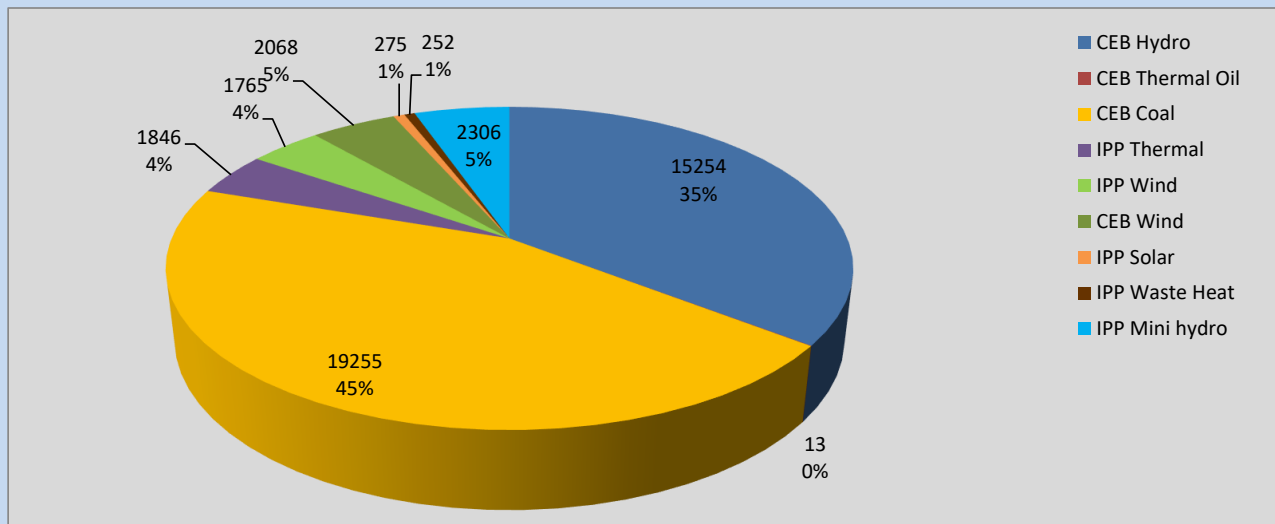
# Generation and Reservoirs Statistics

May 26, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **43,034 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

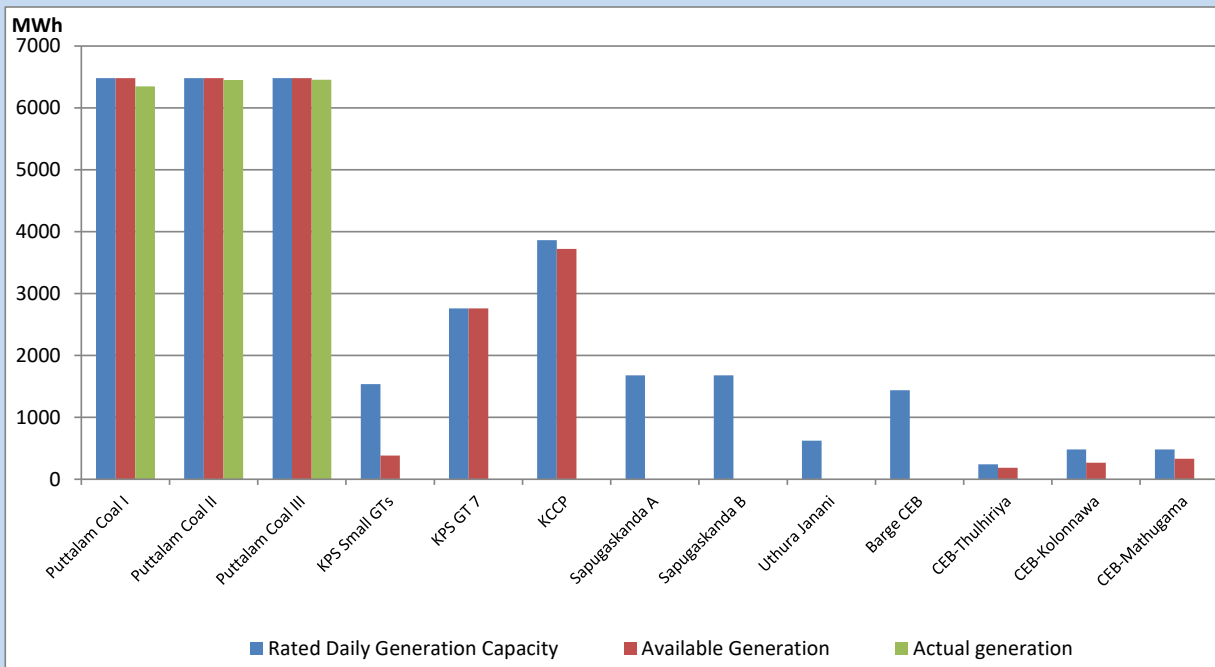
Category	Dispatch (GWh)	Percentage
CEB Hydro	382.35	36.95%
CEB Thermal Oil	72.44	7.00%
CEB Coal	358.44	34.64%
IPP Thermal	78.26	7.56%
SPP Wind	39.47	3.81%
CEB Wind	40.46	3.91%
SPP Solar	6.43	0.62%
SPP Solid Waste	6.70	0.65%
Mini Hydro	50.35	4.87%
<b>Total</b>	<b>1,034.90</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,530.6	25.13%
CEB Thermal Oil	858.0	14.09%
CEB Coal	2,478.8	40.70%
IPP Thermal	806.5	13.24%
SPP Wind	90.5	1.49%
CEB Wind	106.1	1.74%
SPP Solar	37.7	0.62%
SPP Solid Waste	30.5	0.50%
Mini Hydro	152.4	2.50%
<b>Total</b>	<b>6,090.8</b>	

## CEB owned Thermal Plant Dispatch

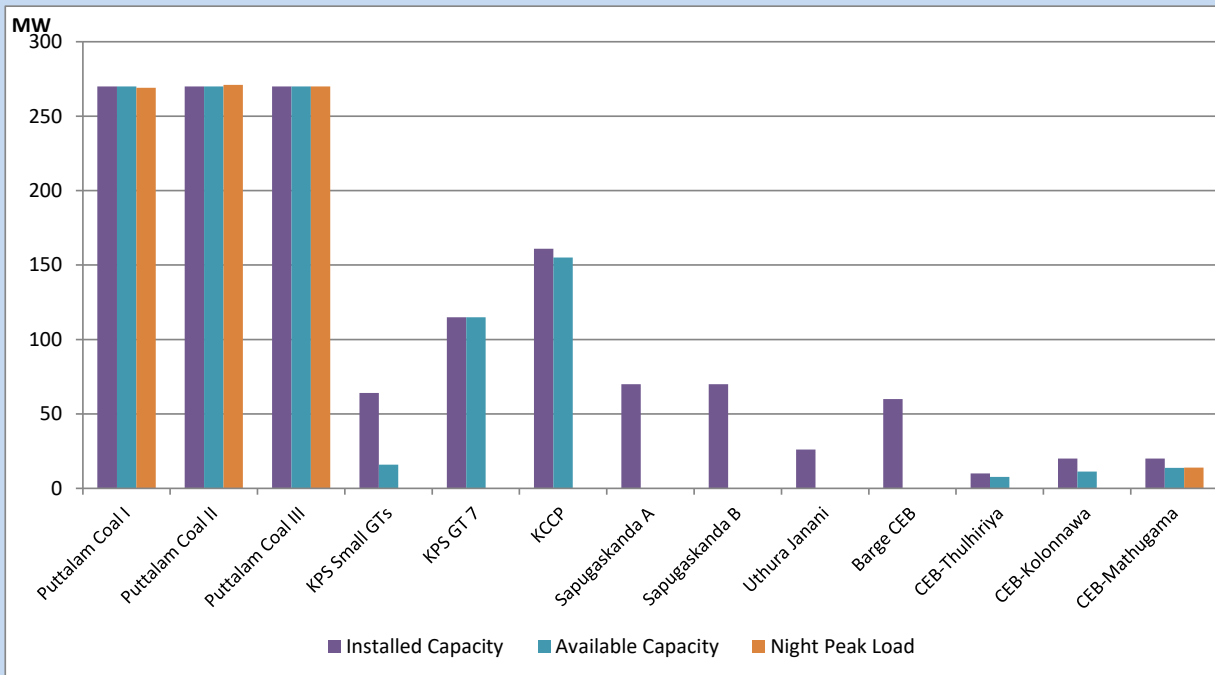
May 26, 2022



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

May 27, 2022

## CEB owned Thermal Plant Loading at the Night Peak



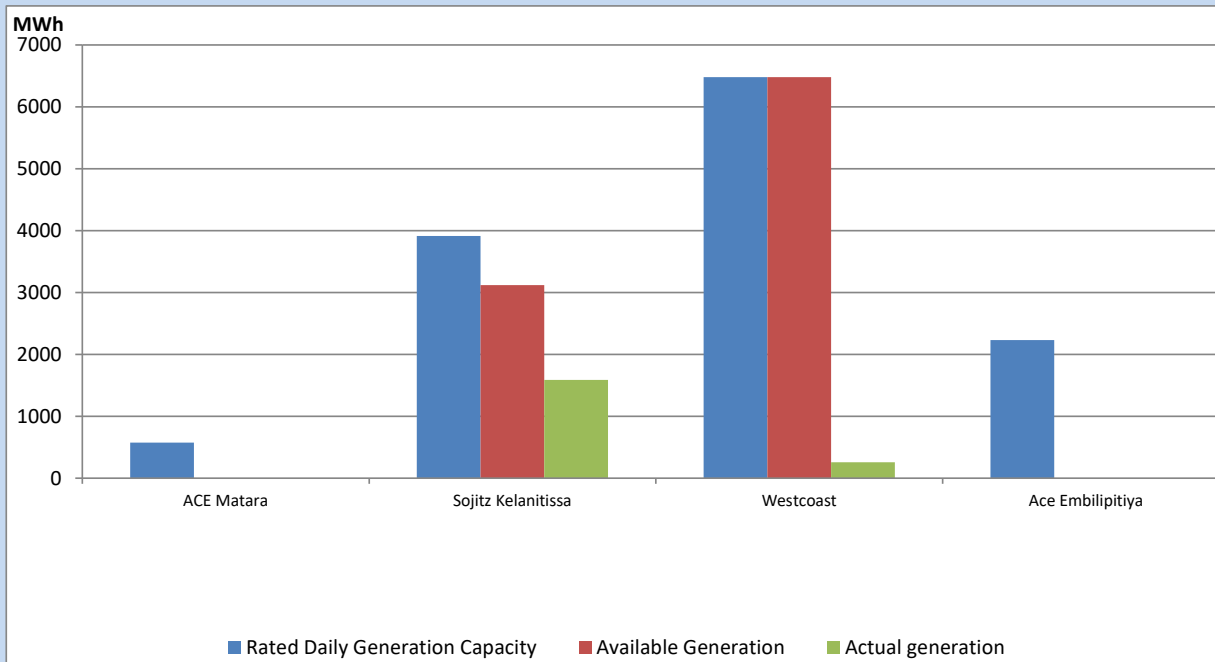
Note- Plant availability is recorded at 6.00 am on

May 27, 2022

## IPP owned Thermal Plant Dispatch

May 26, 2022

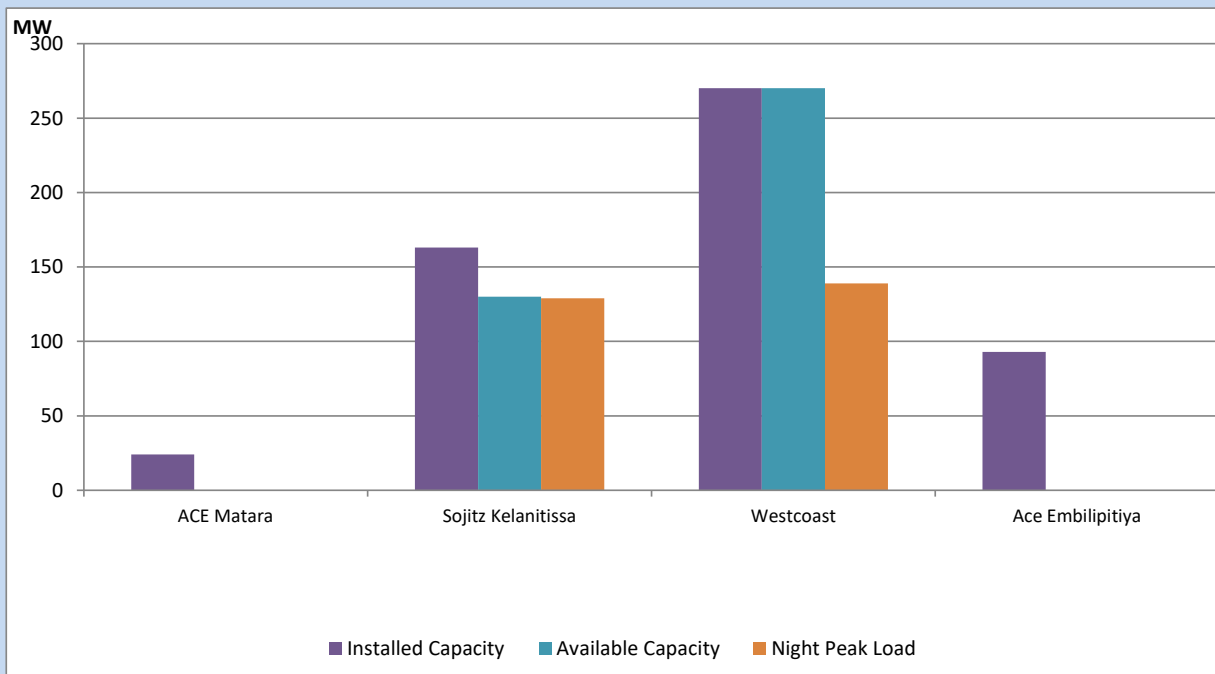
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 27, 2022

## IPP owned Thermal Plant Loading at the Night Peak

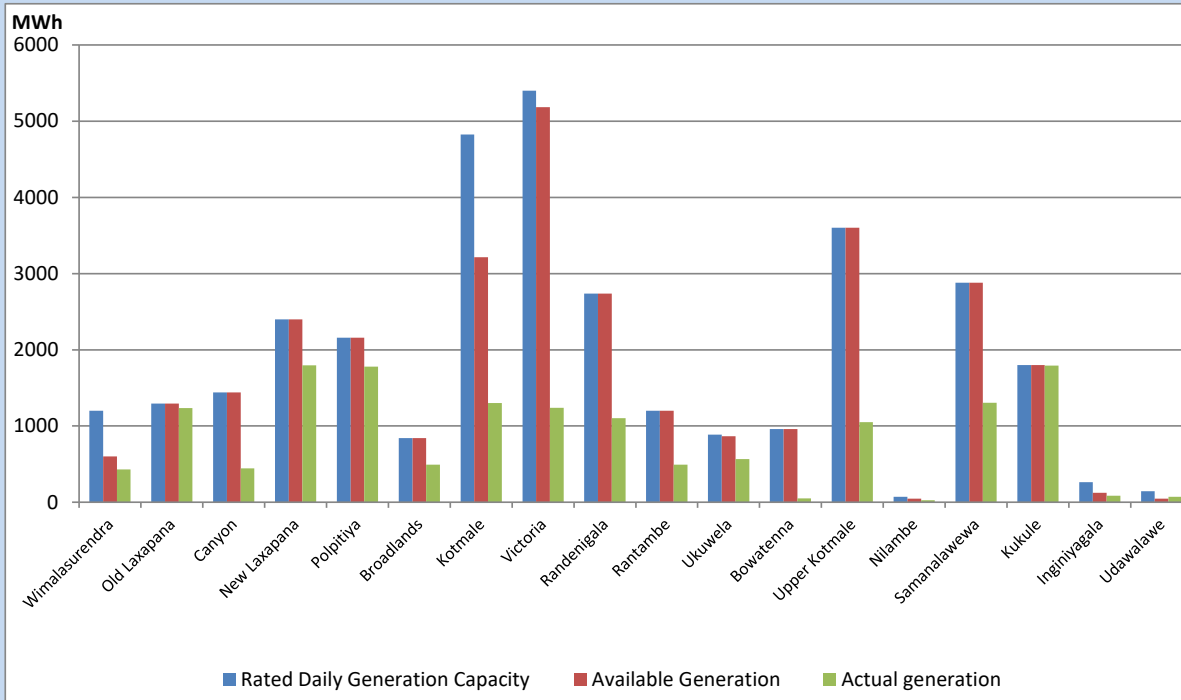


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

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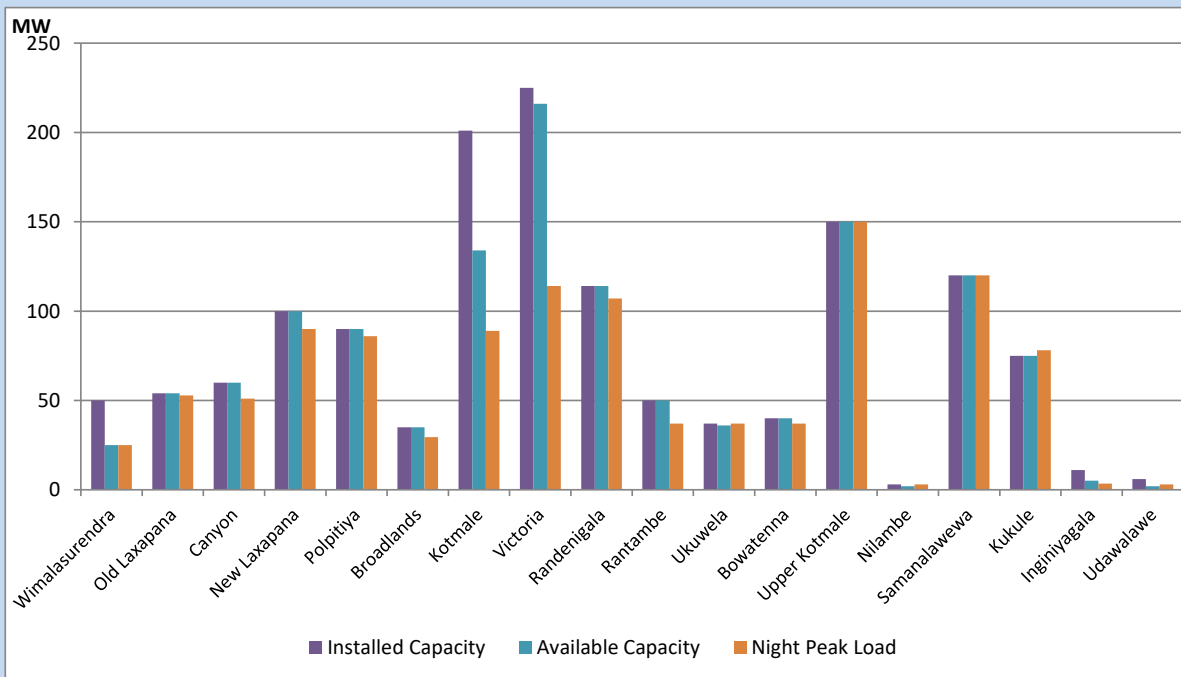


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 27, 2022

## Major Hydro Plant Loading at Night Peak

May 26, 2022



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

May 27, 2022

## Summary of Major Plant performance

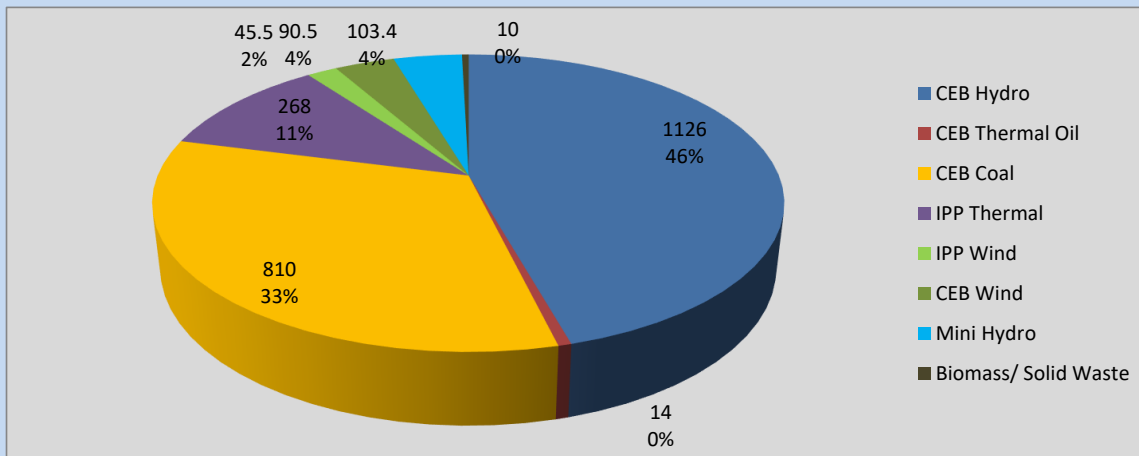
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	429
Old Laxapana	54	54	53	1,235
Canyon	60	60	51	444
New Laxapana	100	100	90	1,795
Polpitiya	90	90	86	1,778
Broadlands	35	35	29	492
Kotmale	201	134	89	1,300
Victoria	225	216	114	1,237
Randenigala	114	114	107	1,101
Rantambe	50	50	37	494
Ukuwela	37	36	37	567
Bowatenna	40	40	37	49
Upper Kotmale	150	150	150	1,052
Nilambe	3	2	3	27
Samanalawewa	120	120	120	1,304
Kukule	75	75	78	1,794
Inginiyagala	11	5	4	86
Udawalawe	6	2	3	70
Puttalam Coal I	270	270	269	6,348
Puttalam Coal II	270	270	271	6,451
Puttalam Coal III	270	270	270	6,456
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	8	0	2
CEB-Kolonnawa	20	11	0	3
CEB-Mathugama	20	14	14	8
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	130	129	1,589
West Coast	270	270	139	257
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,837</b>	<b>2,454</b>	<b>43,034</b>

Plant availability is the availability recorded at 6 am on

May 27, 2022

## Contribution to the Night Peak in MW

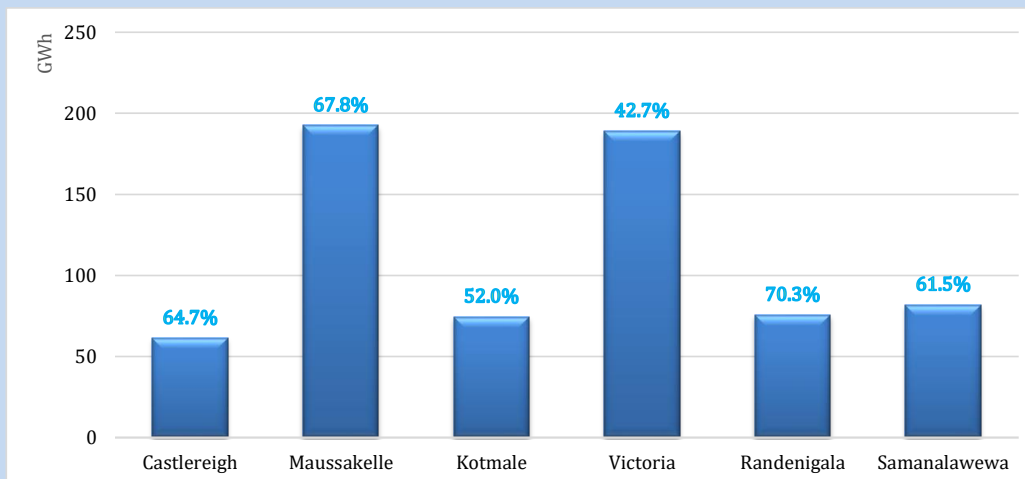
May 26, 2022



Night Peak*	2,467.2 MW
Day Peak	2,153.7 MW
Minimum Demand	1,290.3 MW

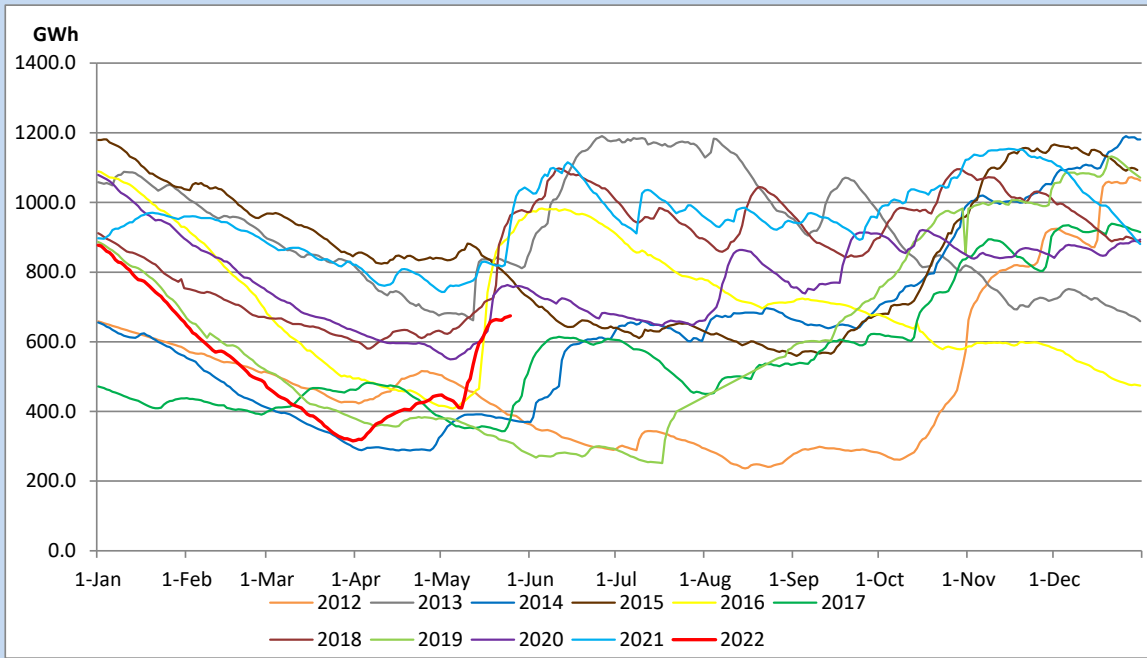
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on May 27, 2022

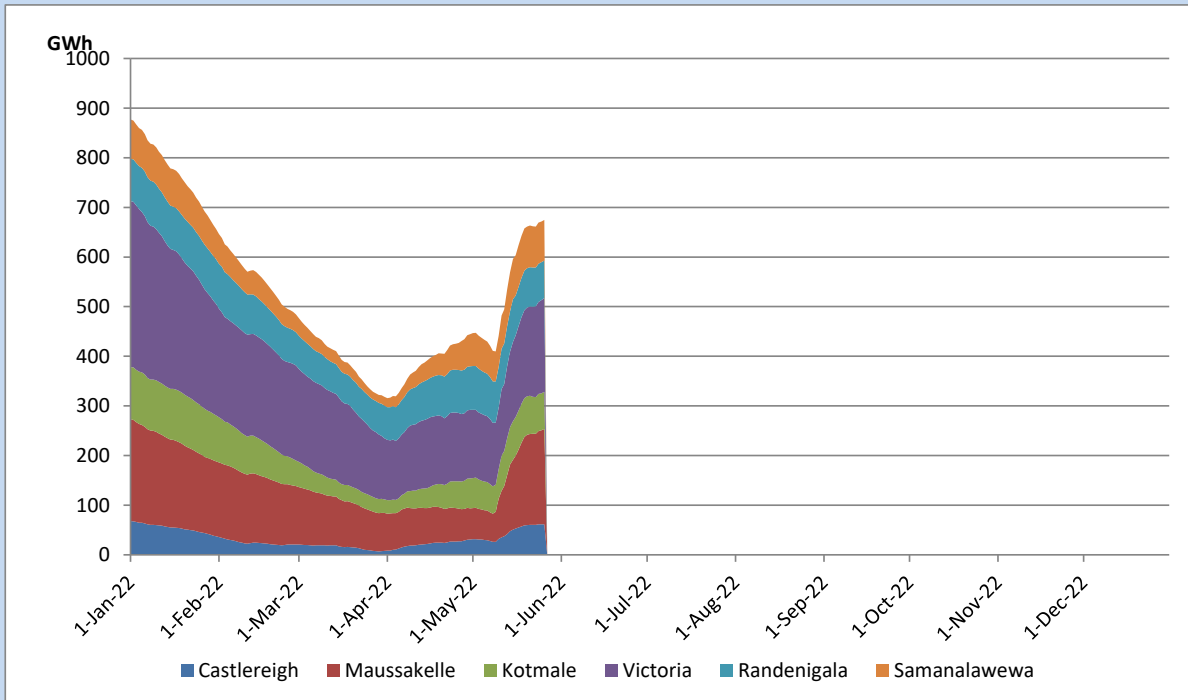


Total Reservoir Level	674.8 GWh
% of Total capacity	56.0%

## Comparison of Total Reservoir Storage Levels with Past Years

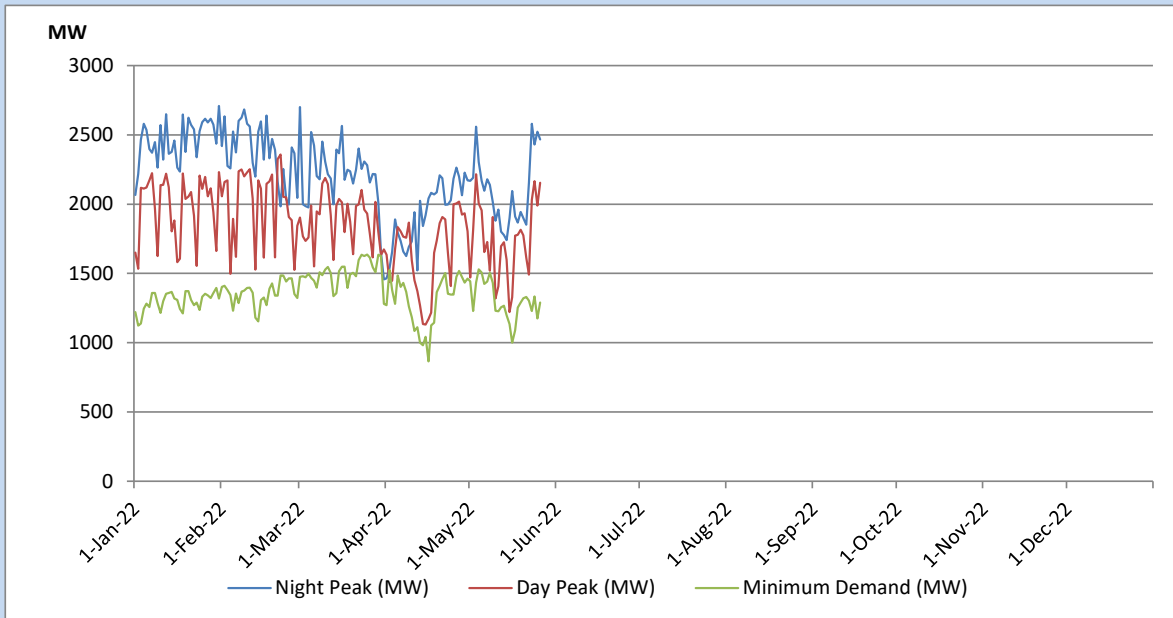


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

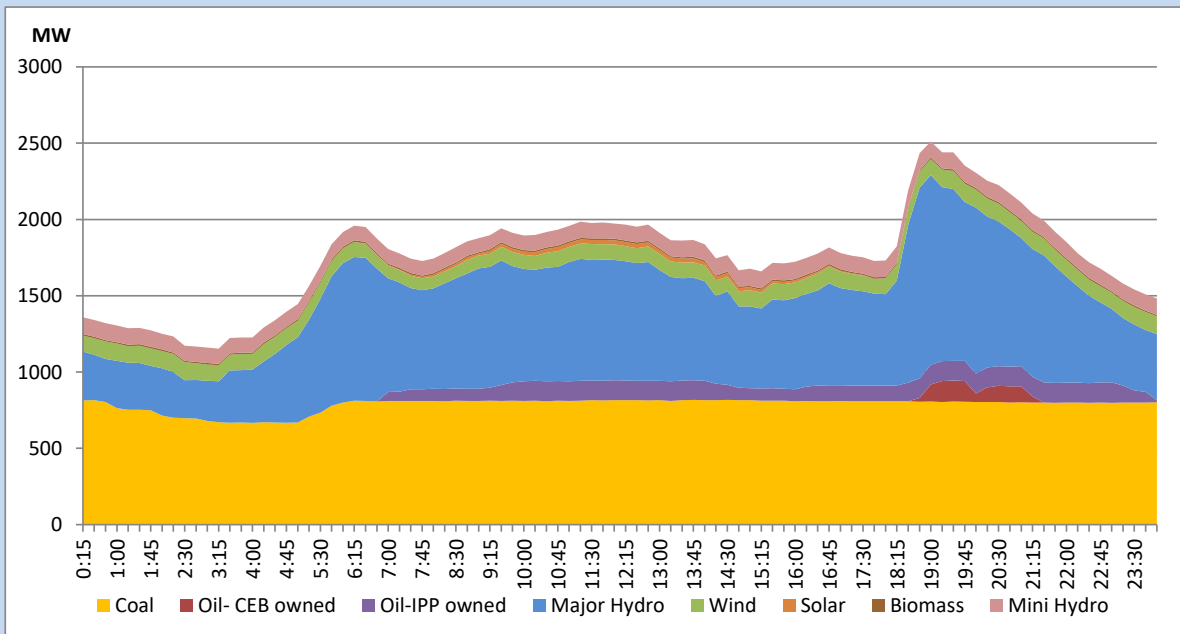


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

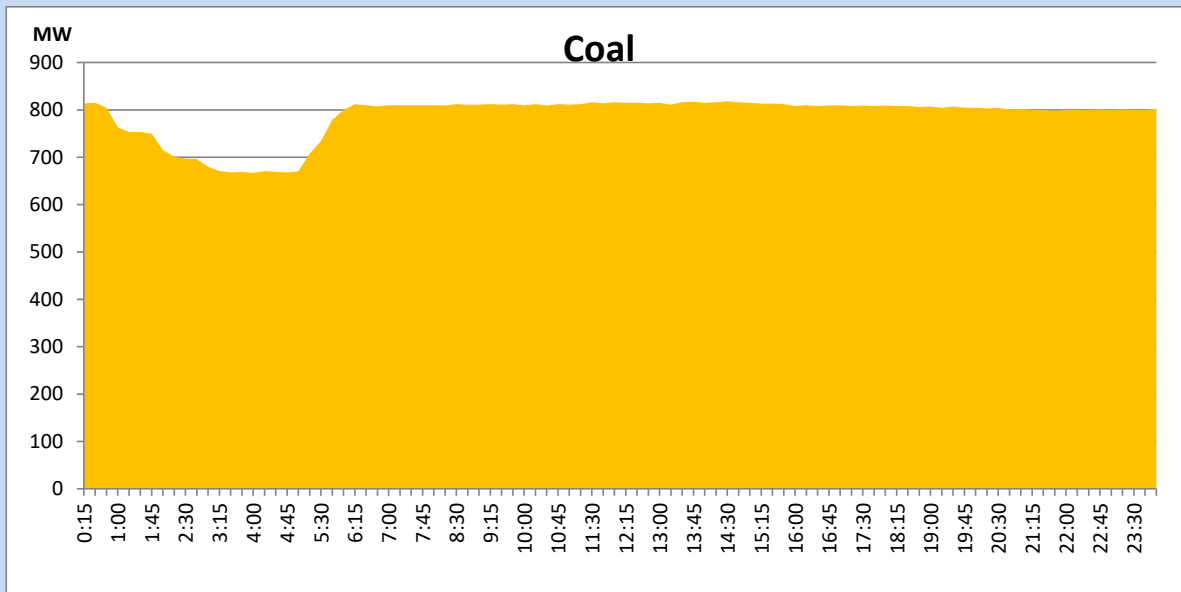
May 25, 2022

Solar and wind data is based on Telemetered Power Stations only



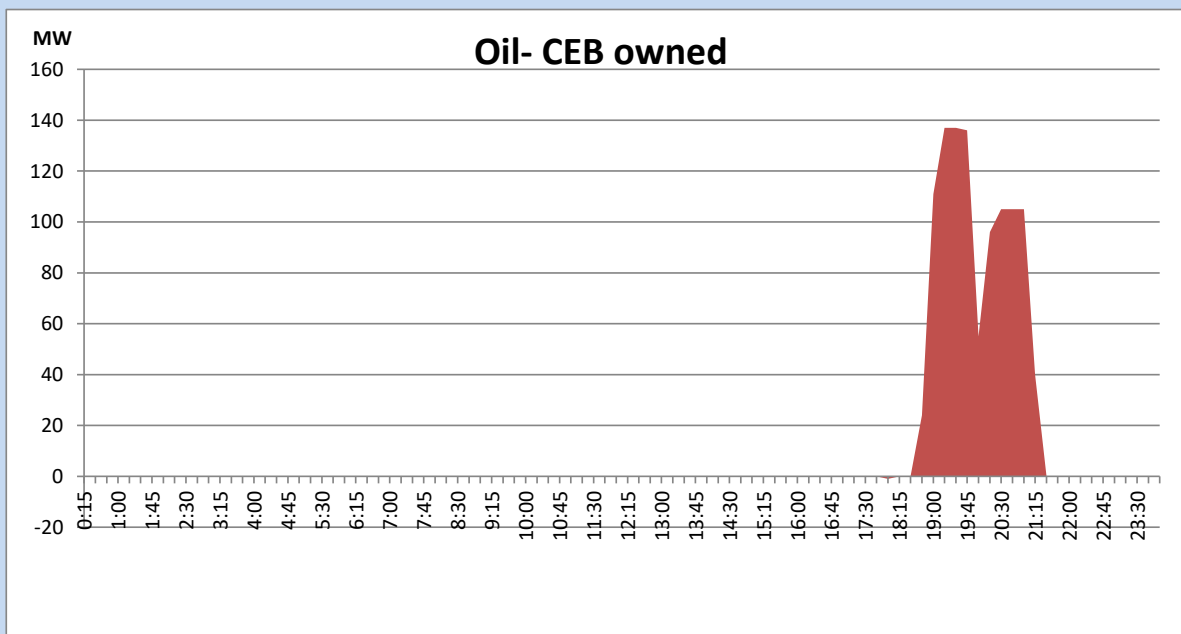
## Coal Generation during the Previous day

May 25, 2022



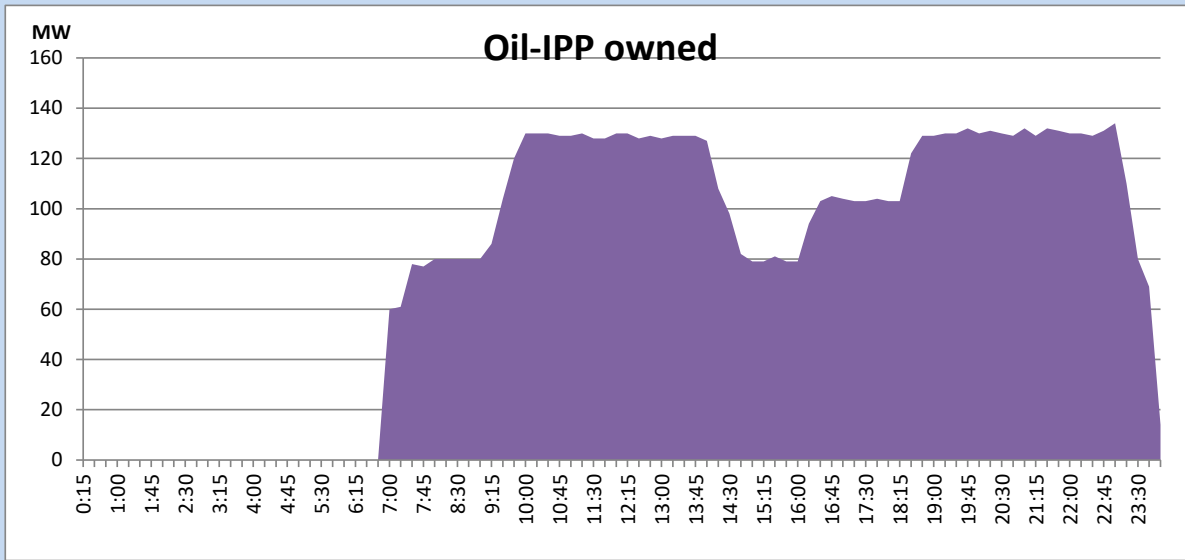
## CEB Oil Plant Generation during the Previous day

May 25, 2022



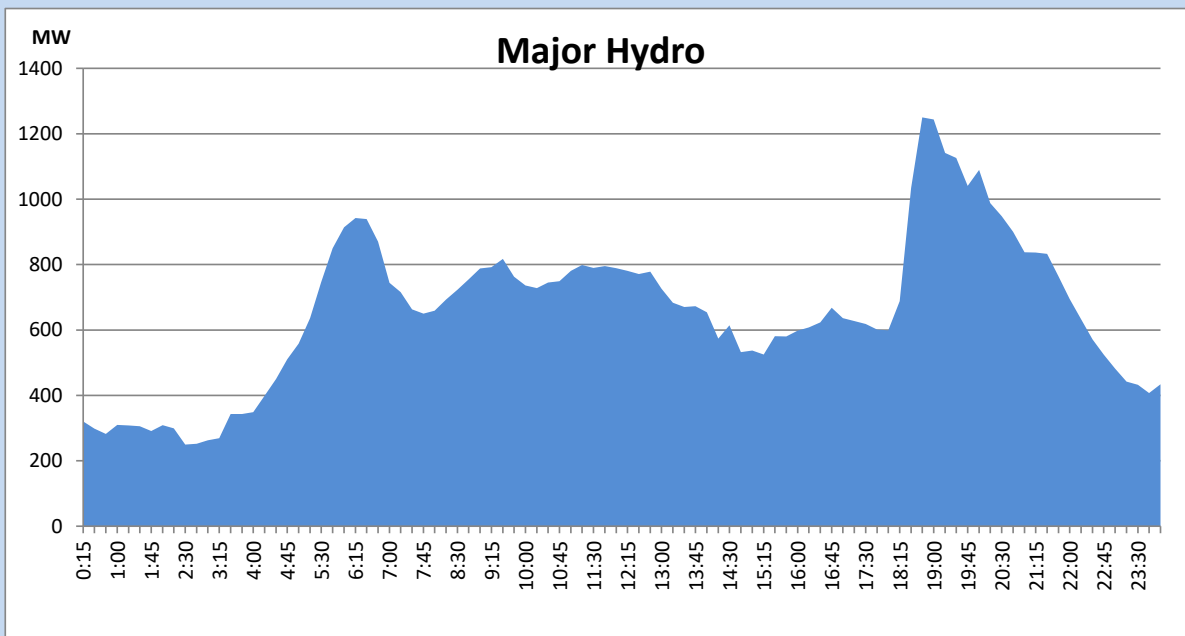
## IPP Oil Plant Generation during the Previous day

May 25, 2022



## Major Hydro Generation during the Previous day

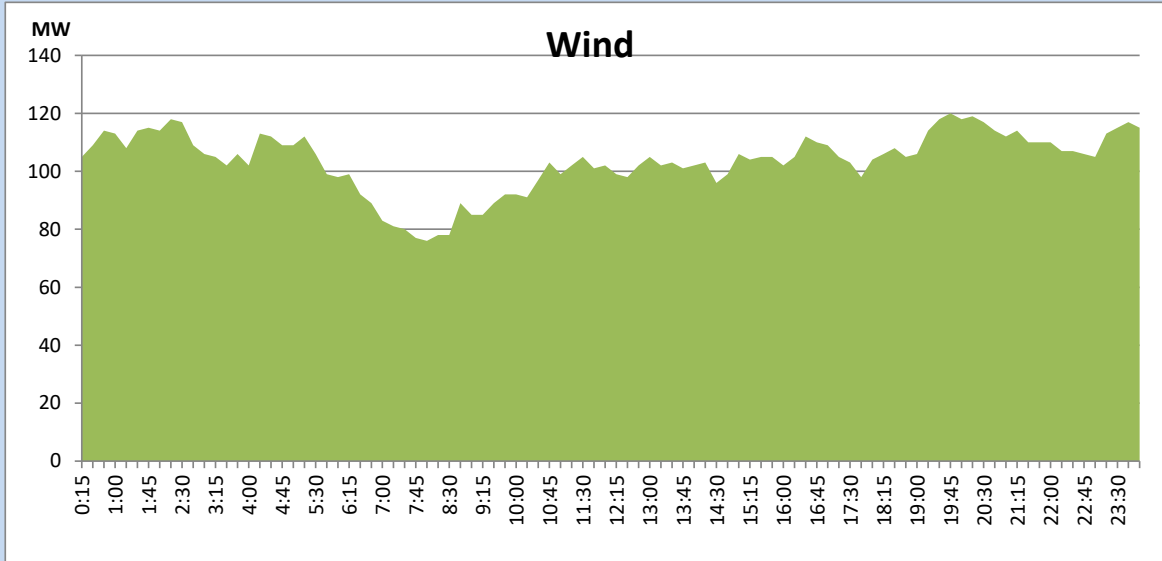
May 25, 2022



## Wind Generation during the Previous day

May 25, 2022

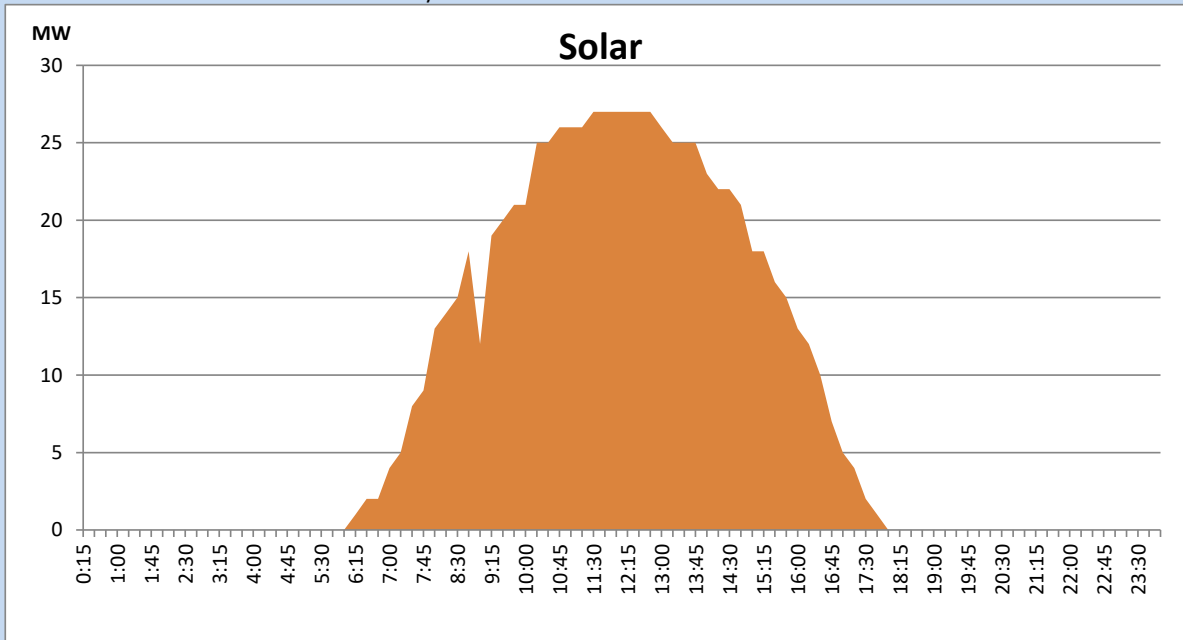
Based on Telemetered Power Stations only



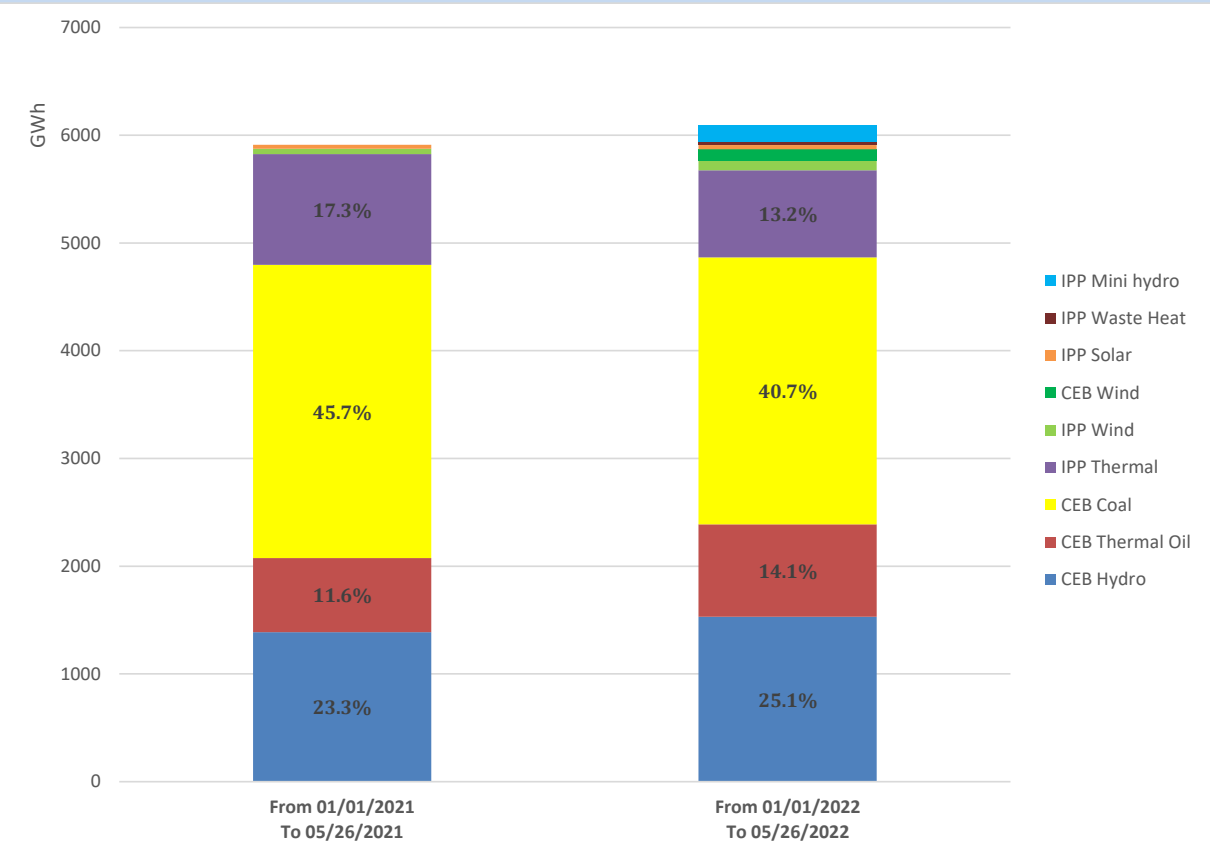
## Solar Generation during the Previous day

May 25, 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 27, 2022

- 1) Rotational manual load shedding was carried out from 6:00hrs to 9:00hrs and 12:00hrs to 18:30hrs.
- 2) Kukule-Mathugama both ccts tripped from kukule end and tripped and A/R from Mathugama end at 14:26hrs due to operation of distance protection. Kukule both m/cs tripped as a result. Both ccts restored by 14:46hrs and Kukule unit 01 and 02 resumed generation at 15:01hrs and 15:38hrs respectively .
- 3) New Polpitiya-Thulhiriya-Athurugiriya cct tripped and A/R from all three ends at 15:42hrs due to operation of distance protection.
- 4) Puttalam 132kV T/F 01,T/F 03 and 33kV B/S circuit breaker tripped due to O/C protection at 05:45hrs (27/05/2022) with indication of protection relay fault in 33kV feeder03. T/F 01 ,T/F 03 and 33kV B/S energized by 6:42hrs.