

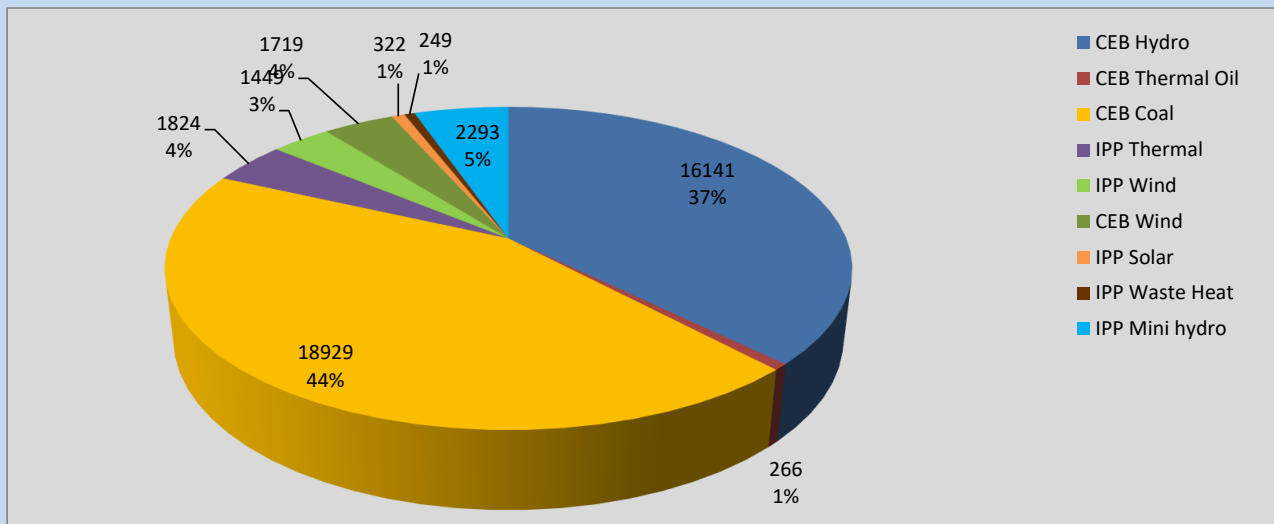
# Generation and Reservoirs Statistics

May 25, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation **43,192 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

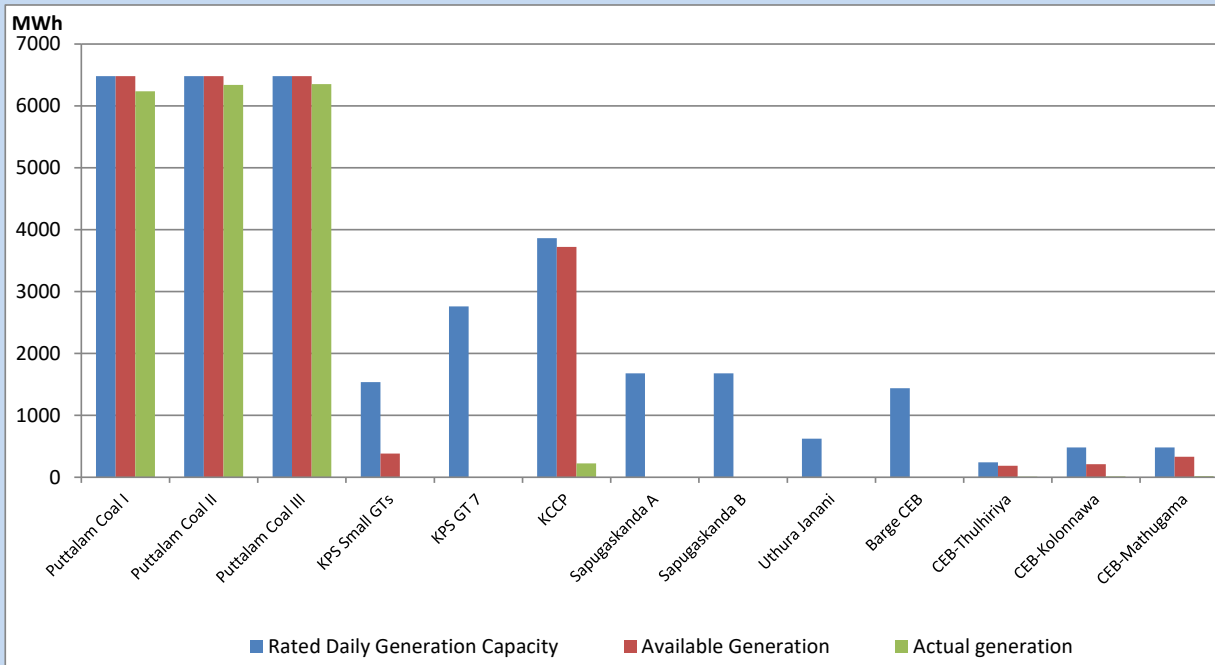
Category	Dispatch (GWh)	Percentage
CEB Hydro	367.10	37.01%
CEB Thermal Oil	72.43	7.30%
CEB Coal	339.18	34.20%
IPP Thermal	76.41	7.70%
SPP Wind	37.70	3.80%
CEB Wind	38.39	3.87%
SPP Solar	6.16	0.62%
SPP Solid Waste	6.45	0.65%
Mini Hydro	48.04	4.84%
<b>Total</b>	<b>991.86</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,515.4	25.06%
CEB Thermal Oil	857.9	14.19%
CEB Coal	2,459.5	40.67%
IPP Thermal	804.7	13.31%
SPP Wind	88.7	1.47%
CEB Wind	104.0	1.72%
SPP Solar	37.5	0.62%
SPP Solid Waste	30.3	0.50%
Mini Hydro	150.1	2.48%
<b>Total</b>	<b>6,047.8</b>	

## CEB owned Thermal Plant Dispatch

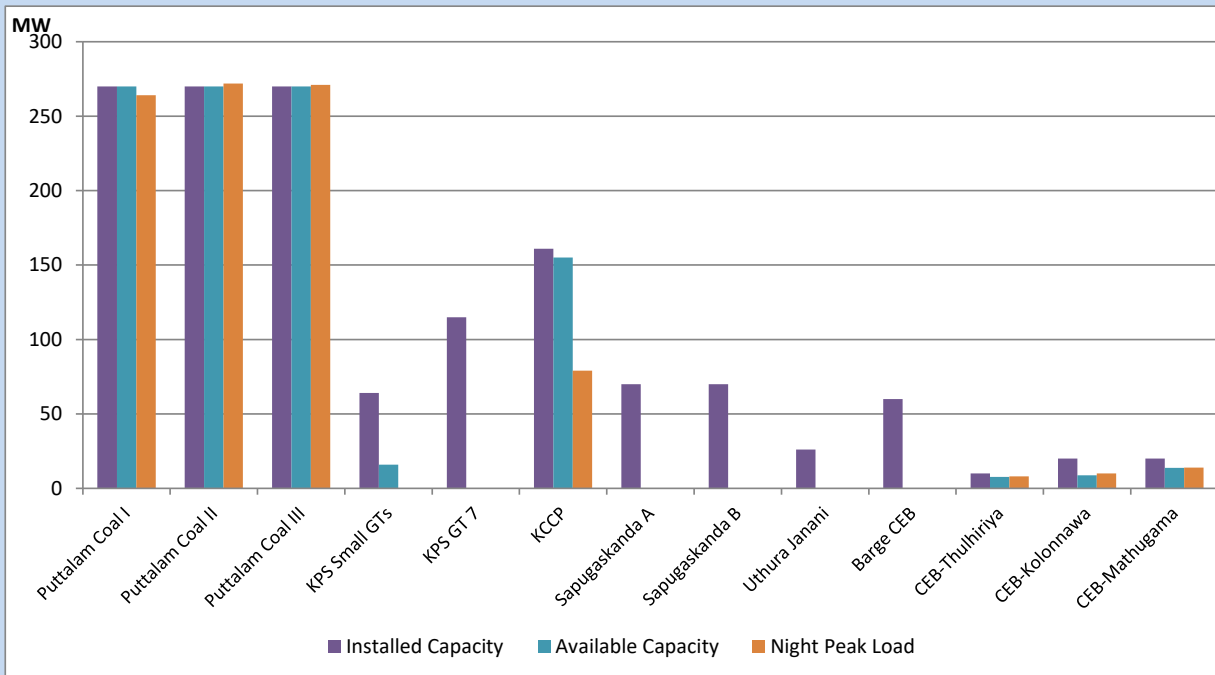
May 25, 2022



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

May 26, 2022

## CEB owned Thermal Plant Loading at the Night Peak



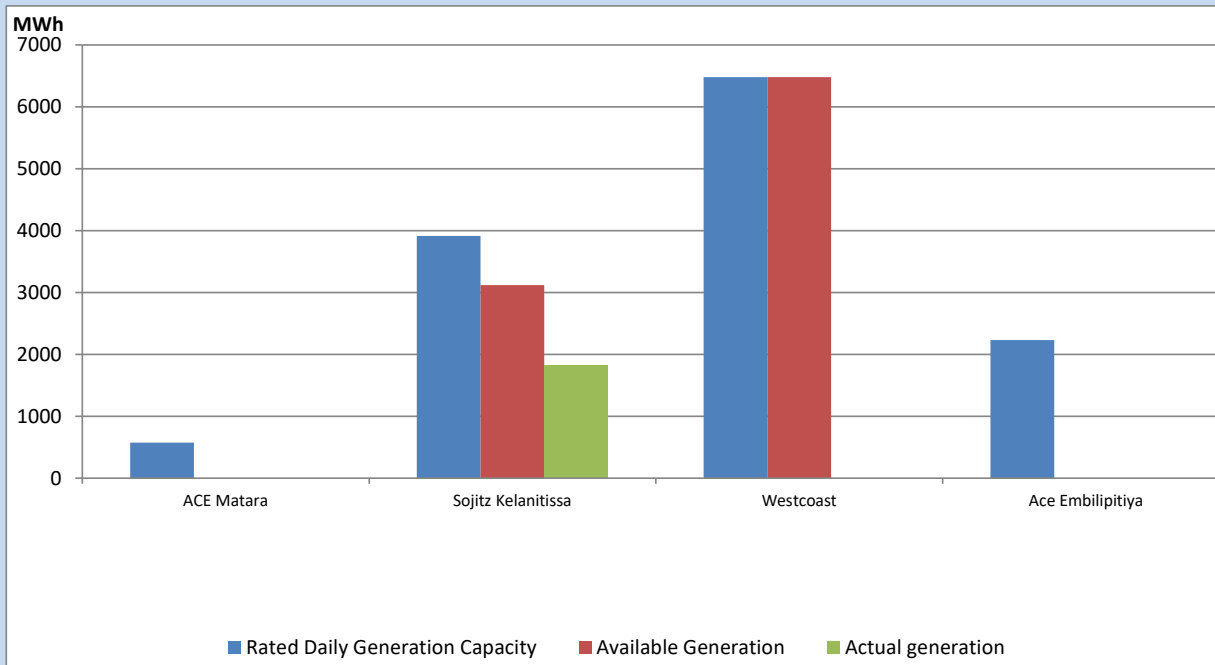
Note- Plant availability is recorded at 6.00 am on

May 26, 2022

## IPP owned Thermal Plant Dispatch

May 25, 2022

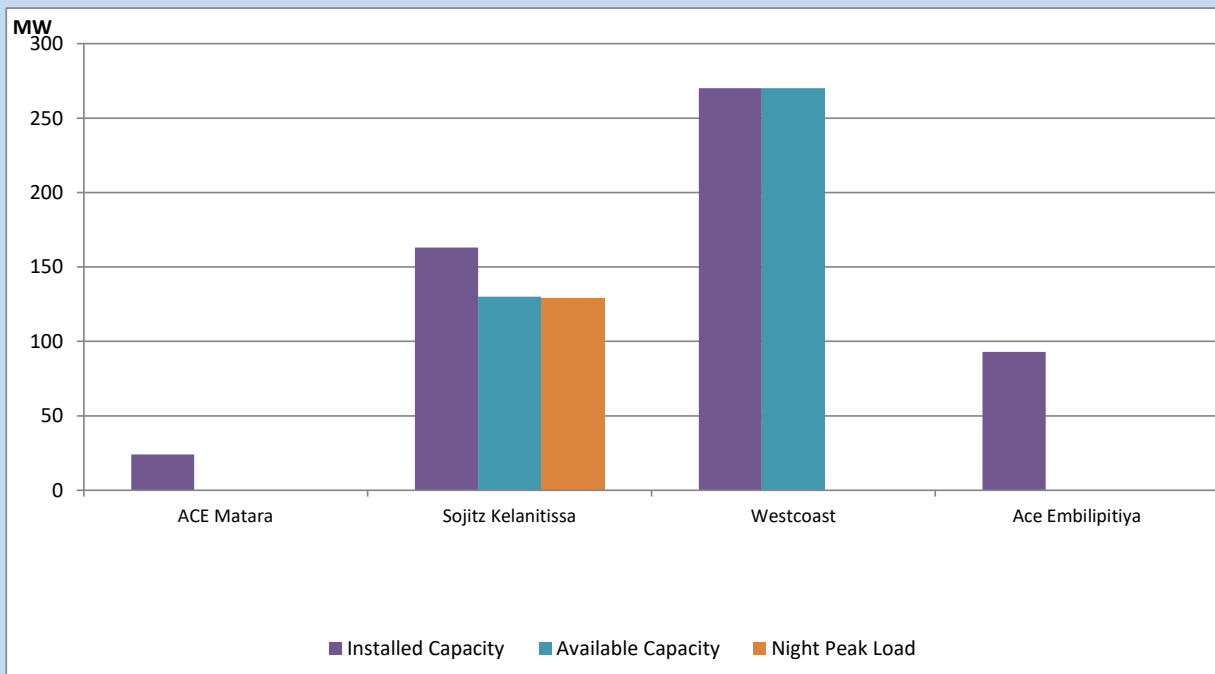
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 26, 2022

## IPP owned Thermal Plant Loading at the Night Peak

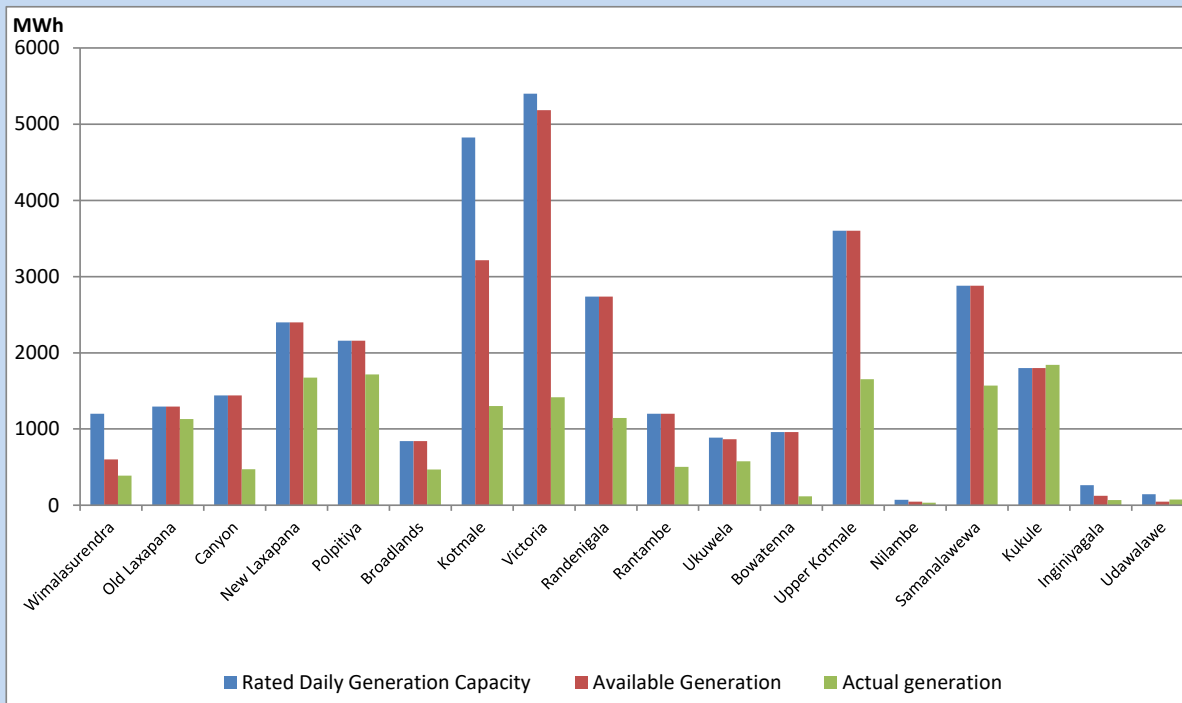


Note- Plant availability is recorded at 6.00 am on

May 26, 2022

## Major Hydro Plant Dispatch

May 25, 2022

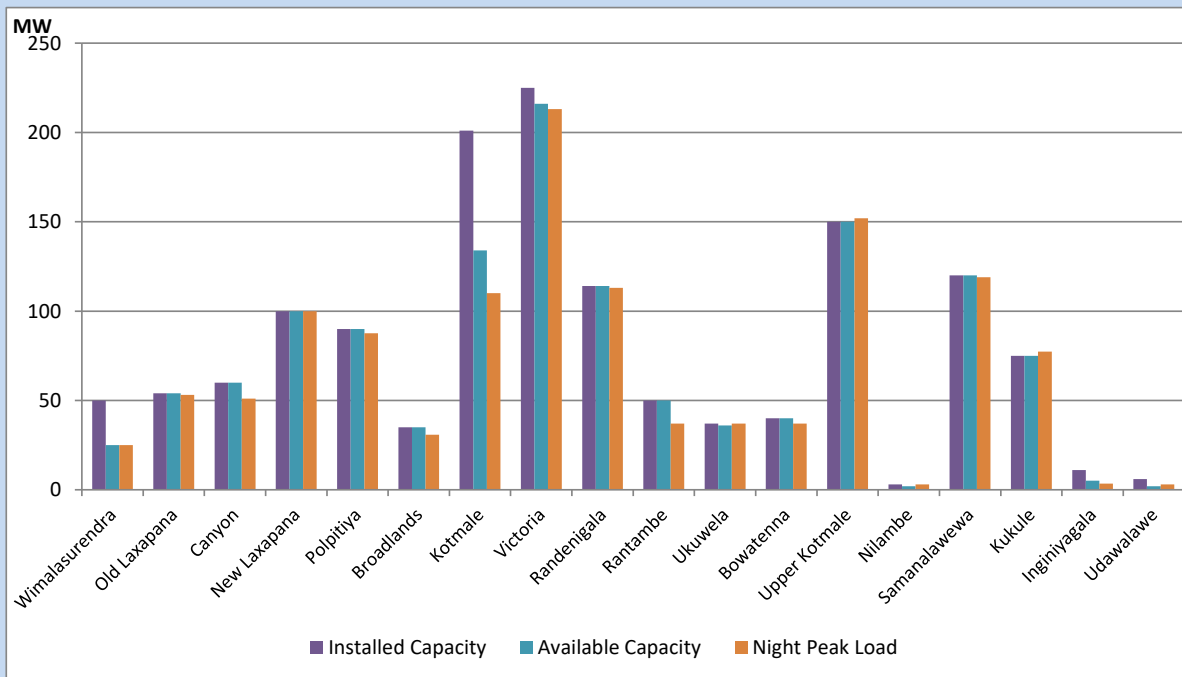


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 26, 2022

## Major Hydro Plant Loading at Night Peak

May 25, 2022



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

May 26, 2022

## Summary of Major Plant performance

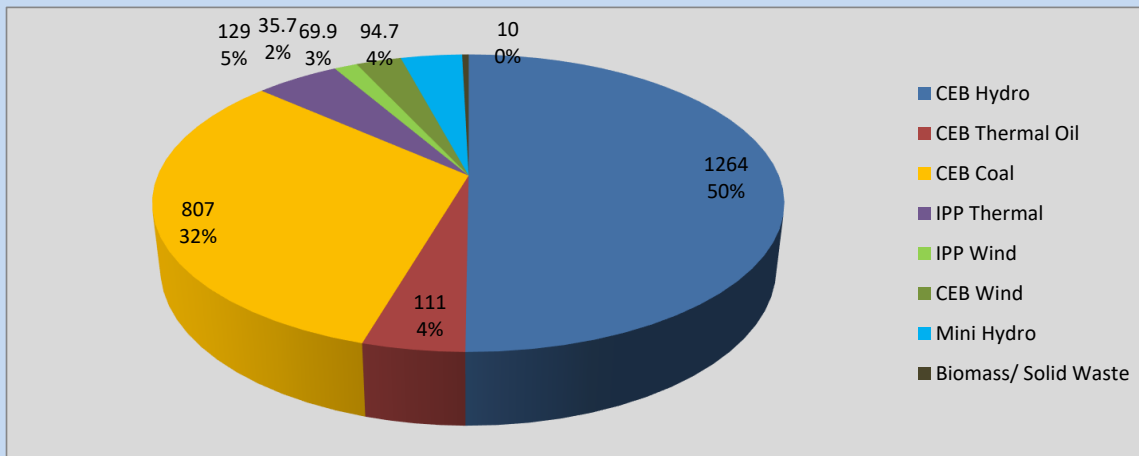
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	389
Old Laxapana	54	54	53	1,129
Canyon	60	60	51	472
New Laxapana	100	100	100	1,673
Polpitiya	90	90	88	1,717
Broadlands	35	35	31	467
Kotmale	201	134	110	1,300
Victoria	225	216	213	1,416
Randenigala	114	114	113	1,144
Rantambe	50	50	37	503
Ukuwela	37	36	37	578
Bowatenna	40	40	37	115
Upper Kotmale	150	150	152	1,654
Nilambe	3	2	3	32
Samanalawewa	120	120	119	1,568
Kukule	75	75	77	1,841
Inginiyagala	11	5	4	69
Udawalawe	6	2	3	74
Puttalam Coal I	270	270	264	6,237
Puttalam Coal II	270	270	272	6,339
Puttalam Coal III	270	270	271	6,353
KPS Small GTs	64	16	0	0
KPS GT 7	115	0	0	0
KCCP	161	155	79	226
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	8	9
CEB-Kolonnawa	20	9	10	13
CEB-Mathugama	20	14	14	18
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	130	129	1,824
West Coast	270	270	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,719</b>	<b>2,510</b>	<b>43,192</b>

Plant availability is the availability recorded at 6 am on

May 26, 2022

## Contribution to the Night Peak in MW

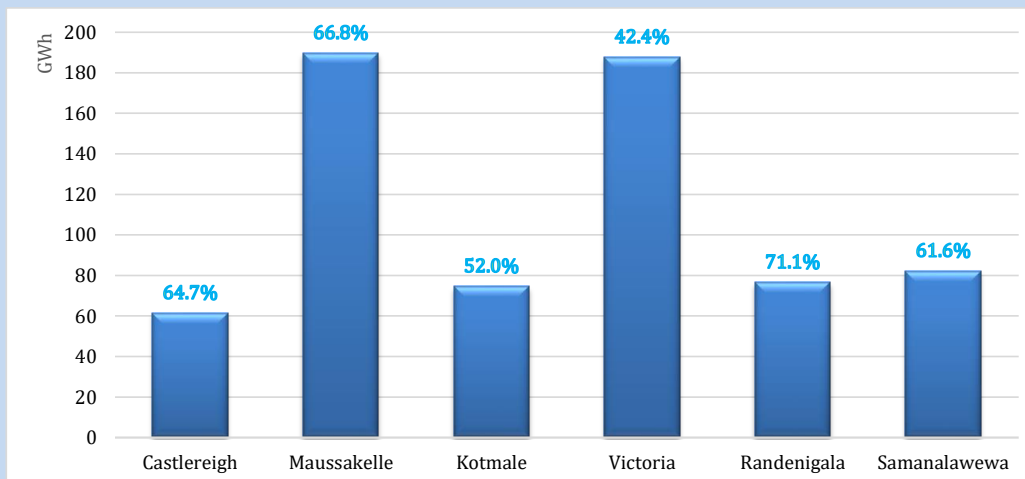
May 25, 2022



Night Peak*	2,521.6 MW
Day Peak	1,990.3 MW
Minimum Demand	1,174.2 MW

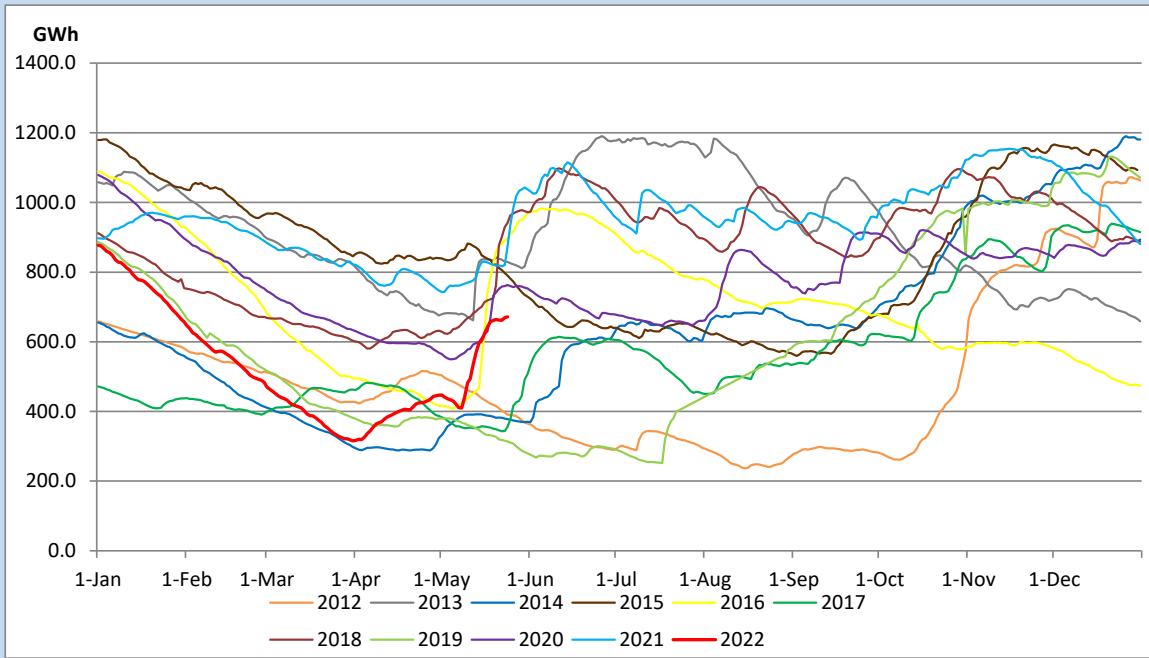
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on May 26, 2022

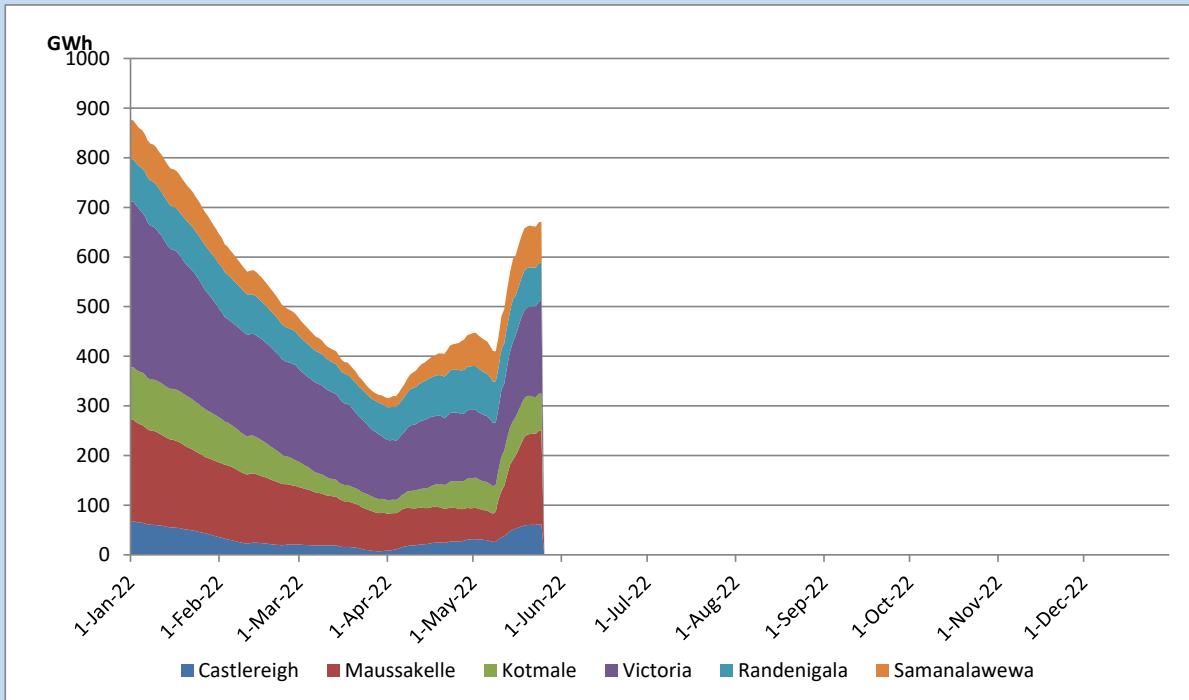


Total Reservoir Level	671.6 GWh
% of Total capacity	55.7%

## Comparison of Total Reservoir Storage Levels with Past Years

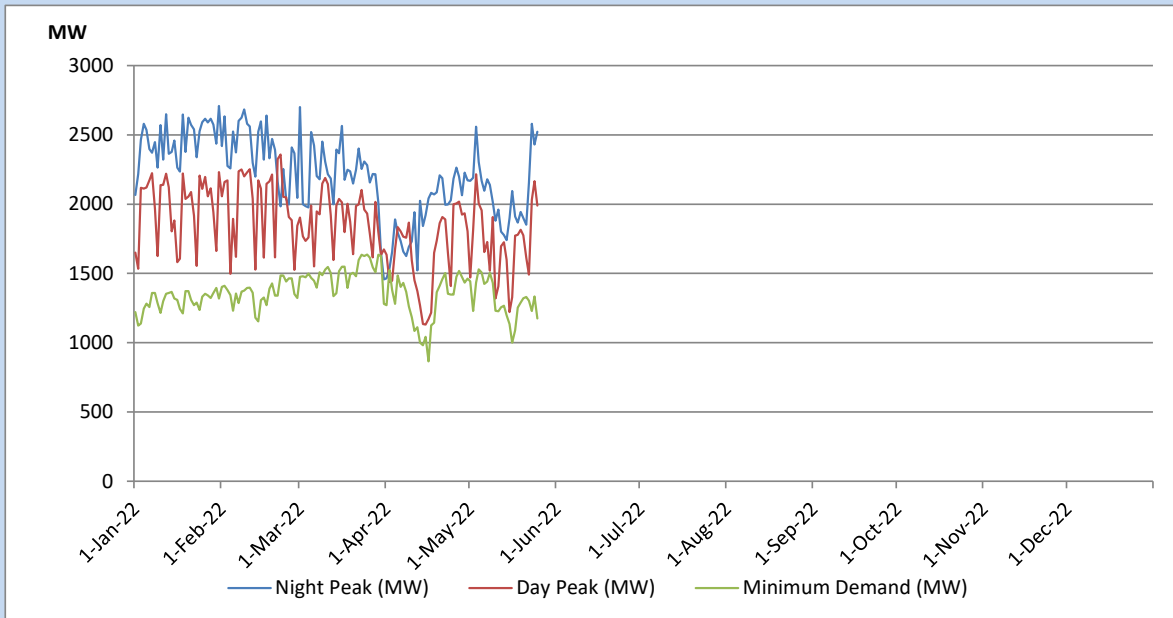


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

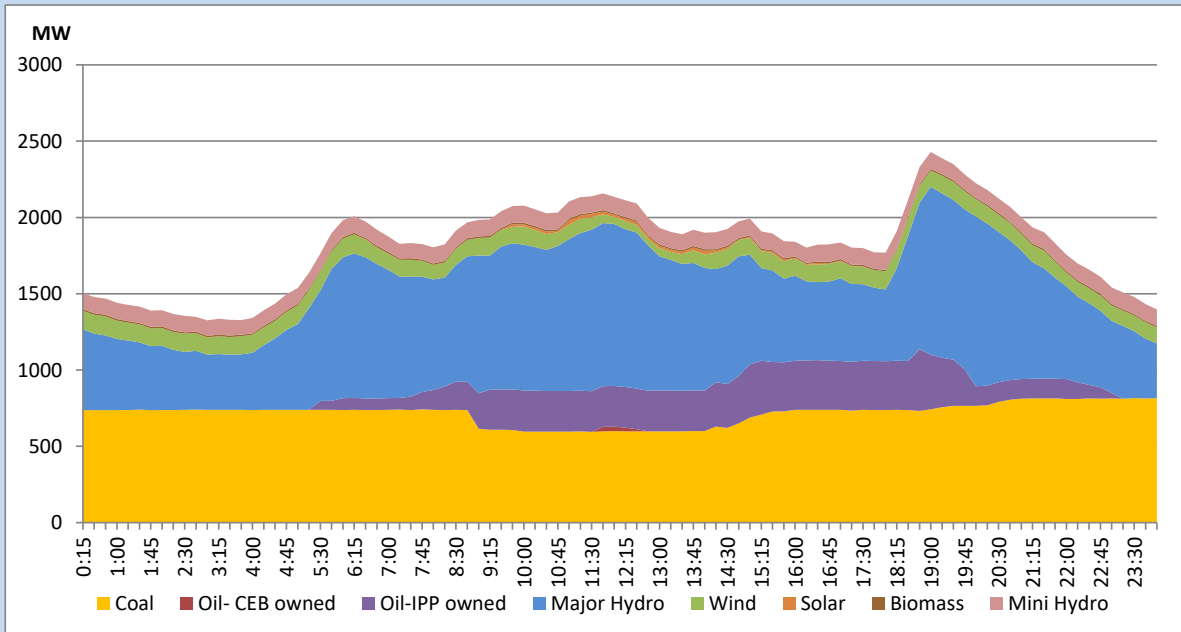


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

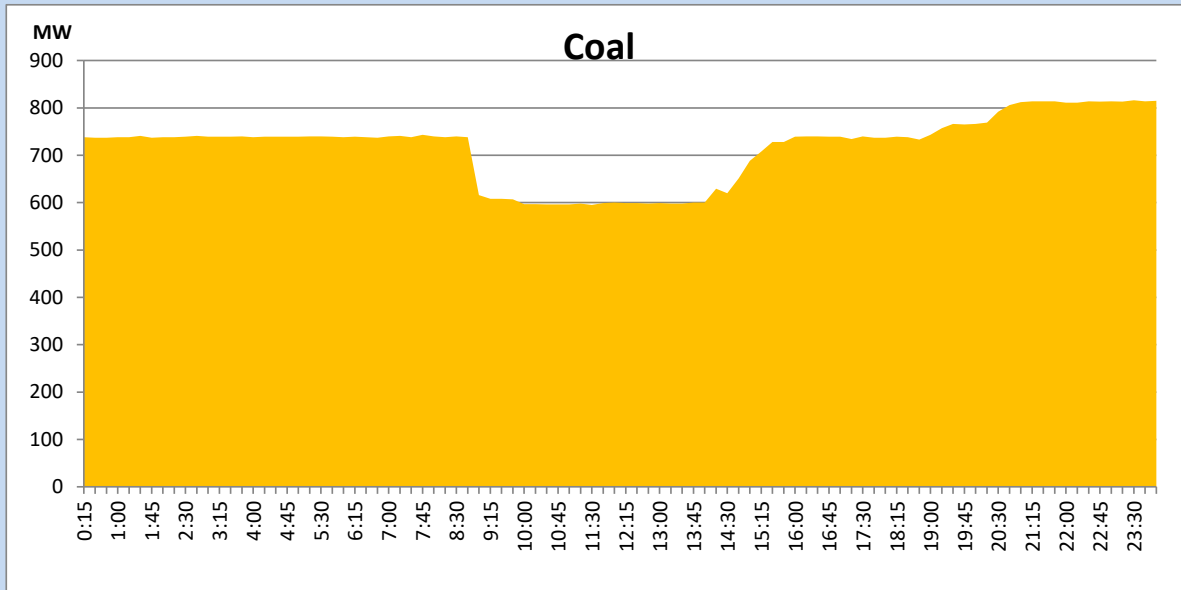
May 24, 2022

Solar and wind data is based on Telemetered Power Stations only



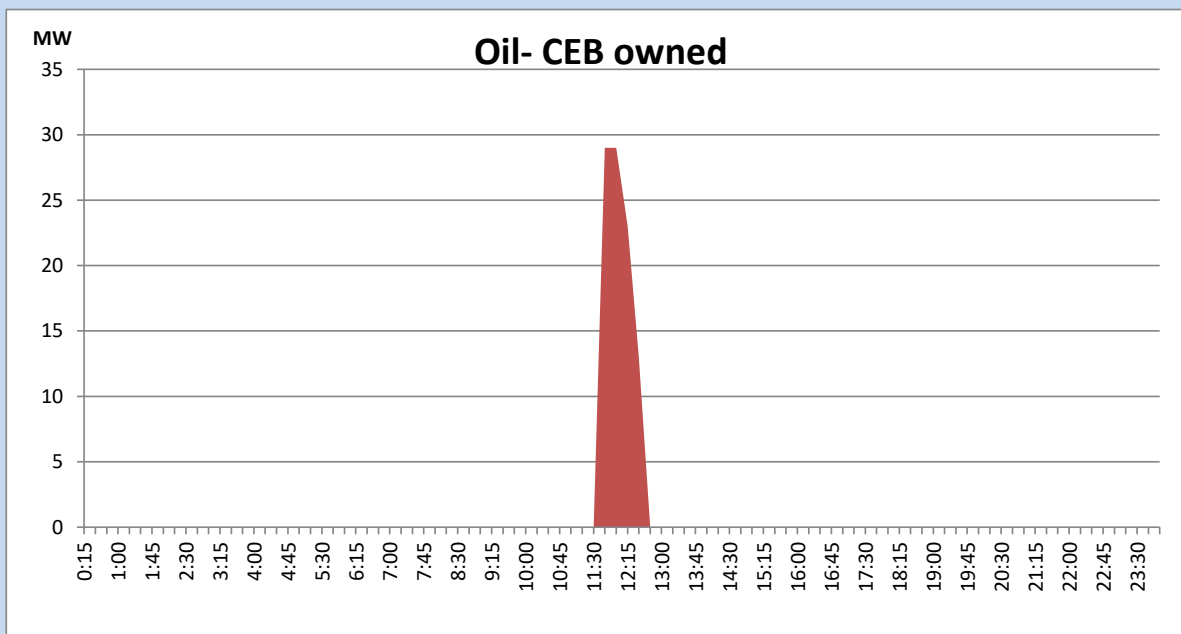
## Coal Generation during the Previous day

May 24, 2022



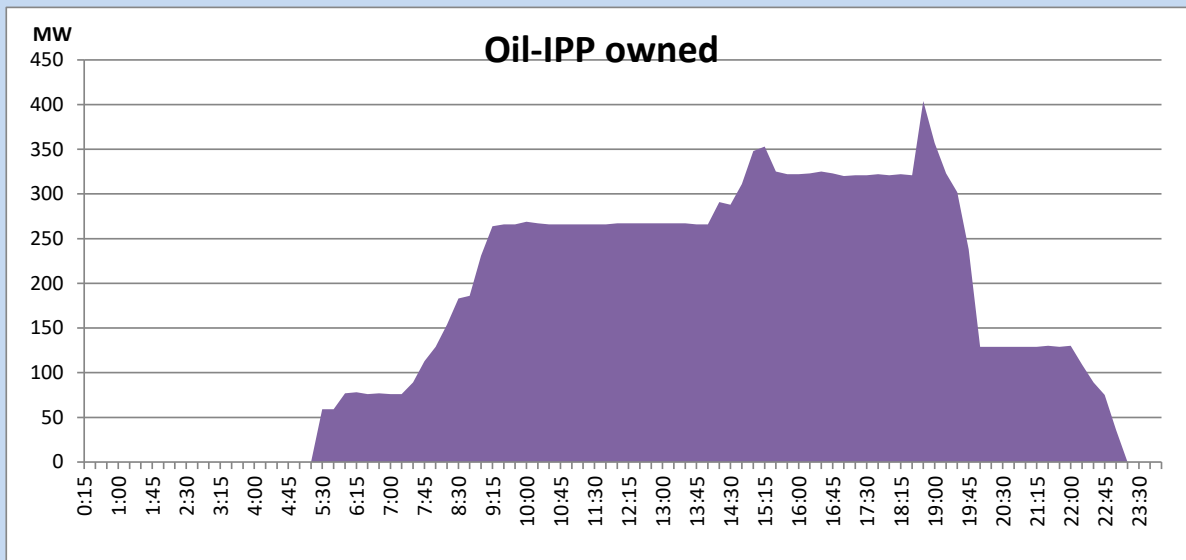
## CEB Oil Plant Generation during the Previous day

May 24, 2022



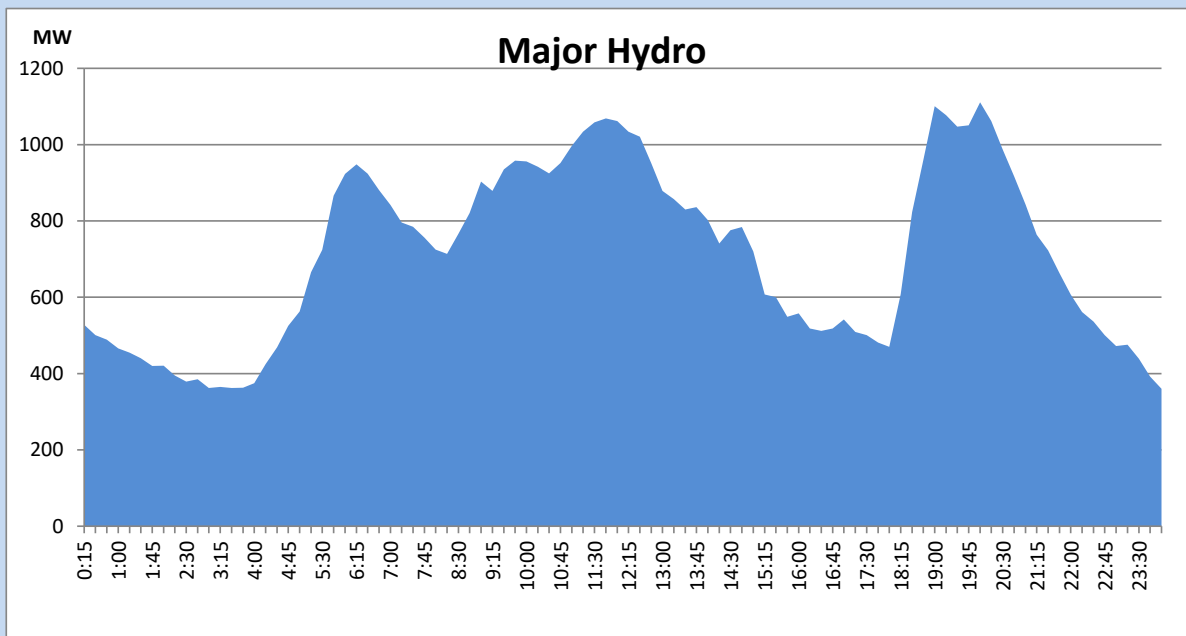
## IPP Oil Plant Generation during the Previous day

May 24, 2022



## Major Hydro Generation during the Previous day

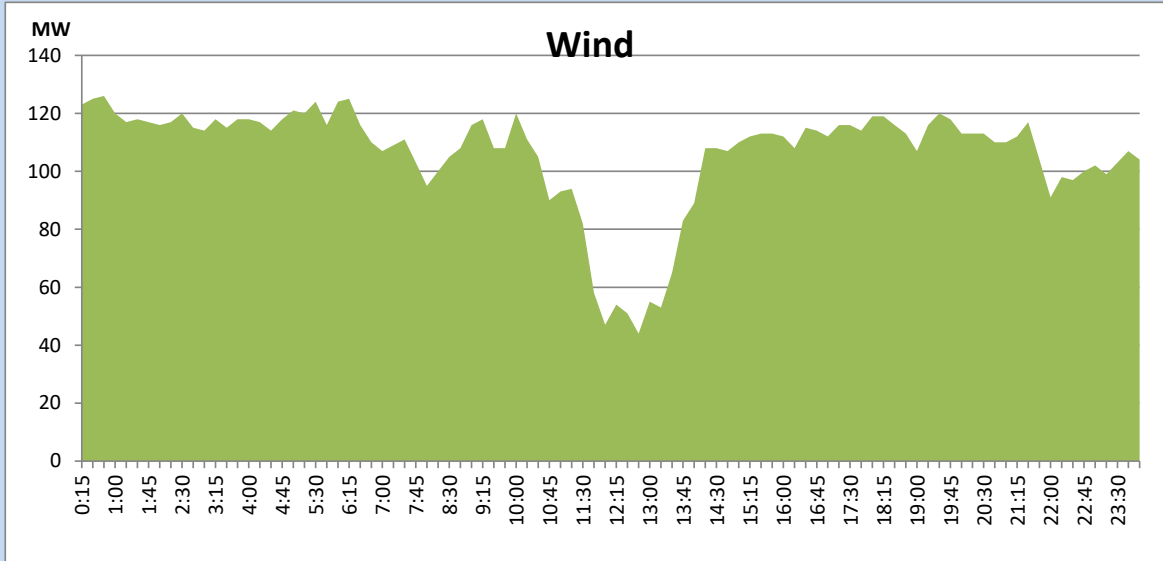
May 24, 2022



## Wind Generation during the Previous day

May 24, 2022

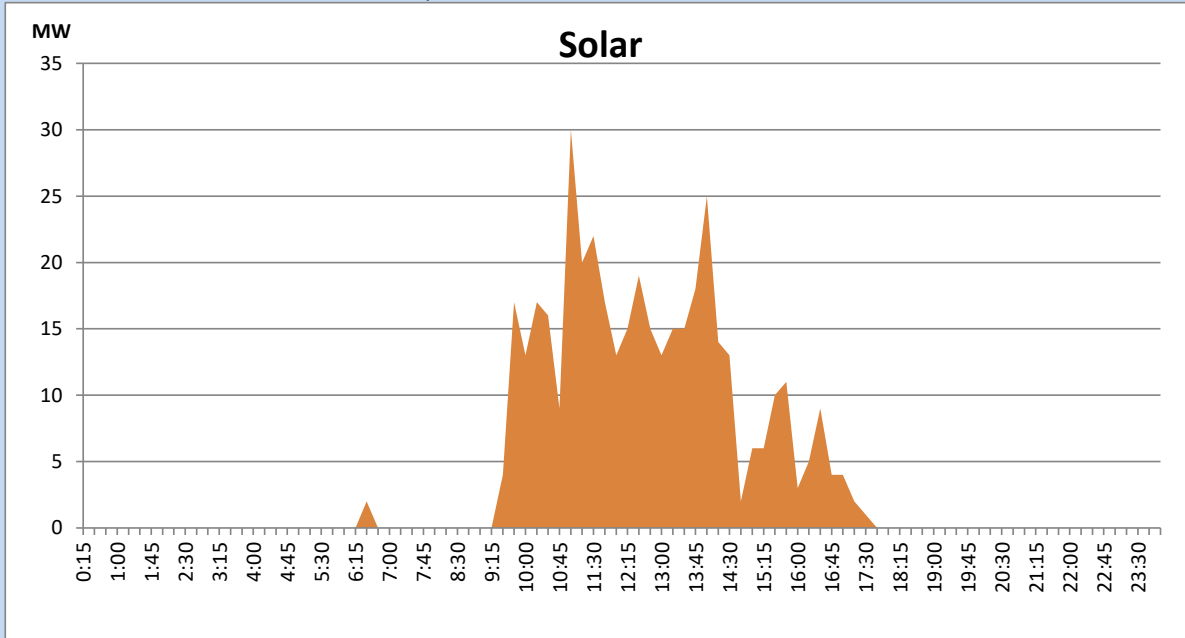
Based on Telemetered Power Stations only



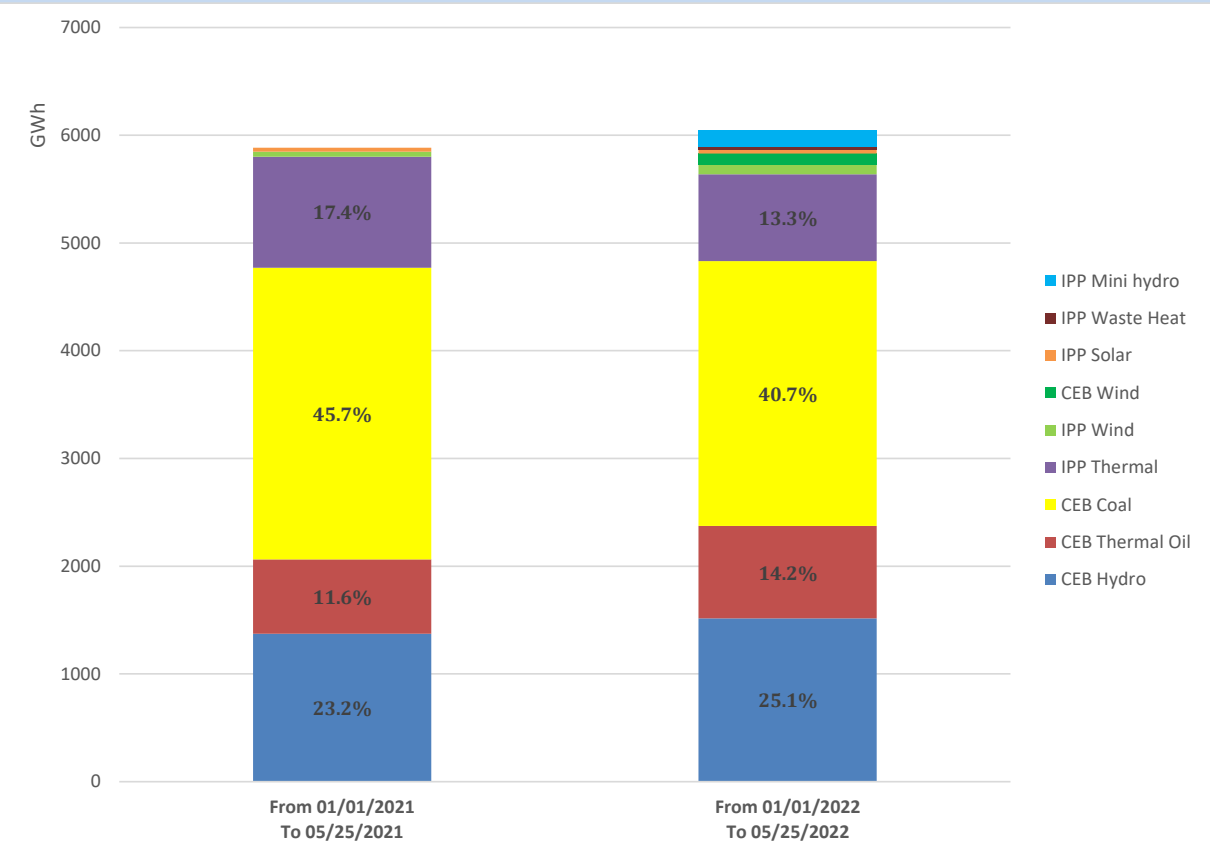
## Solar Generation during the Previous day

May 24, 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 26, 2022

- 1) Rotational manual load shedding was carried out from 6:00hrs to 9:00hrs and 14:00hrs to 18:30hrs.
- 2) Mathugama-Kaluthara cct tripped from Mathugama end and tripped & A/R from Kaluthara end at 16:50hrs due to the operation of distance protection. The cct was restored at 18:08hrs.