

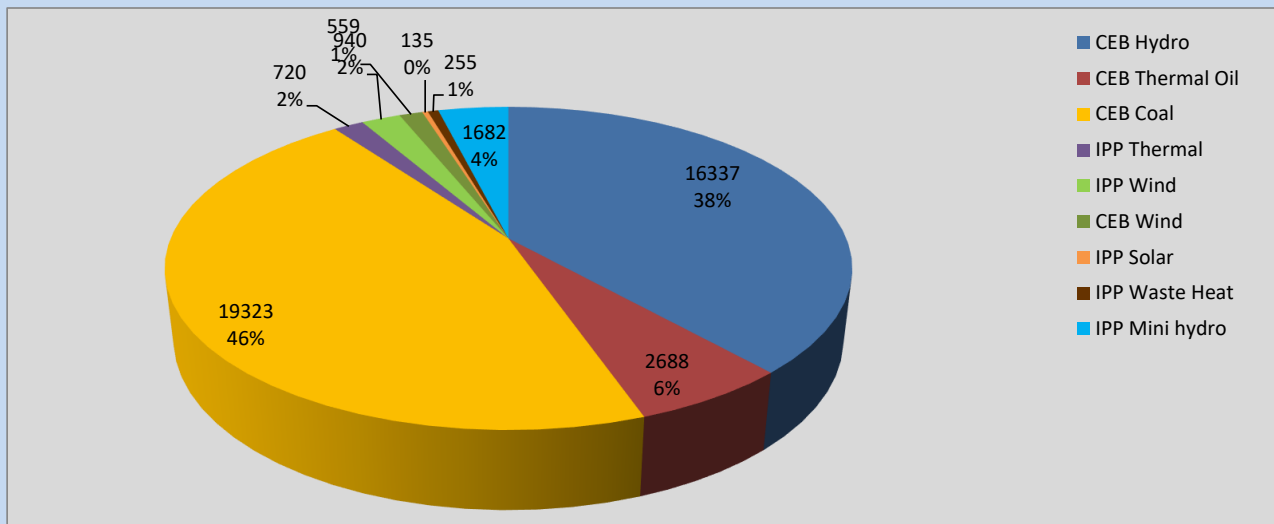
# Generation and Reservoirs Statistics

June 16, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation **42,639 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

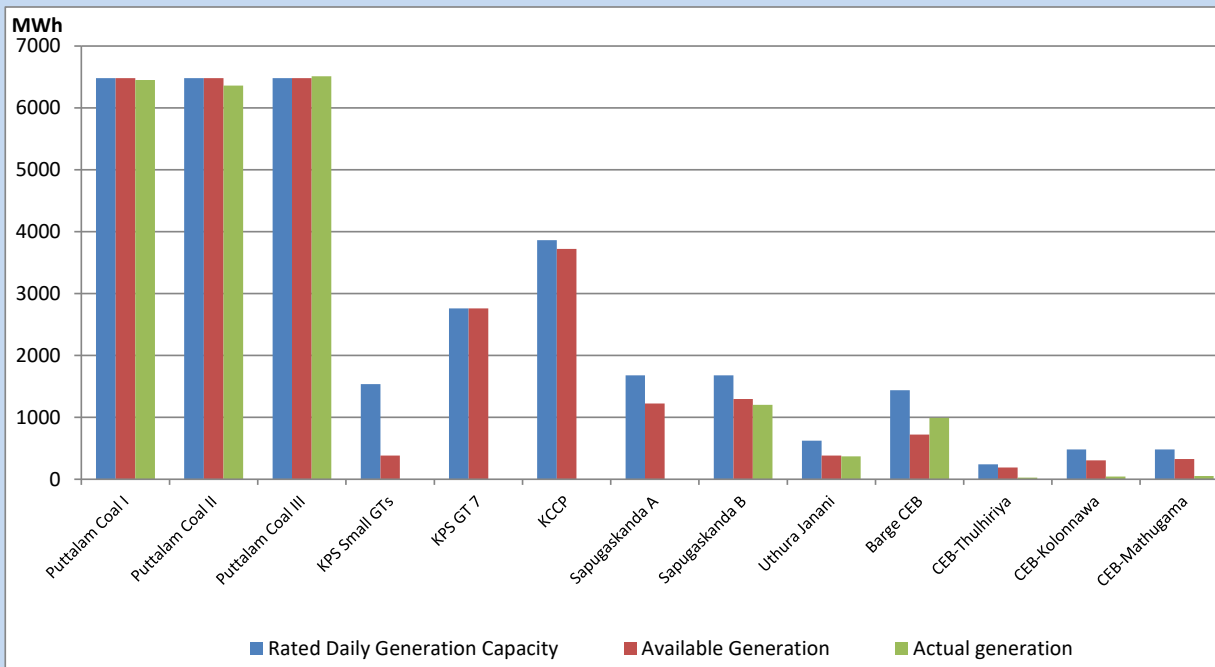
Category	Dispatch (GWh)	Percentage
CEB Hydro	247.45	38.61%
CEB Thermal Oil	5.28	0.82%
CEB Coal	289.33	45.15%
IPP Thermal	3.29	0.51%
SPP Wind	27.73	4.33%
CEB Wind	29.26	4.57%
SPP Solar	3.54	0.55%
SPP Solid Waste	3.57	0.56%
Mini Hydro	31.39	4.90%
<b>Total</b>	<b>640.84</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,856.5	26.77%
CEB Thermal Oil	863.8	12.46%
CEB Coal	2,855.6	41.18%
IPP Thermal	811.8	11.71%
SPP Wind	128.7	1.86%
CEB Wind	146.0	2.11%
SPP Solar	42.6	0.61%
SPP Solid Waste	34.9	0.50%
Mini Hydro	195.1	2.81%
<b>Total</b>	<b>6,934.6</b>	

## CEB owned Thermal Plant Dispatch

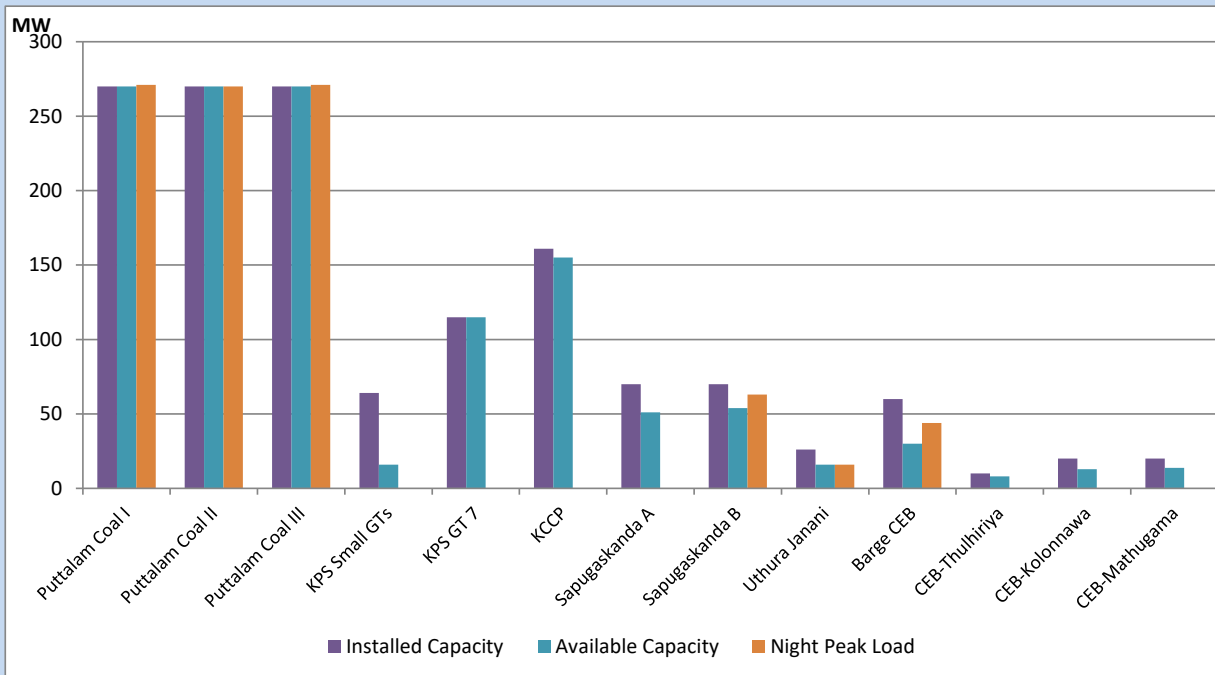
June 16, 2022



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

June 17, 2022

## CEB owned Thermal Plant Loading at the Night Peak



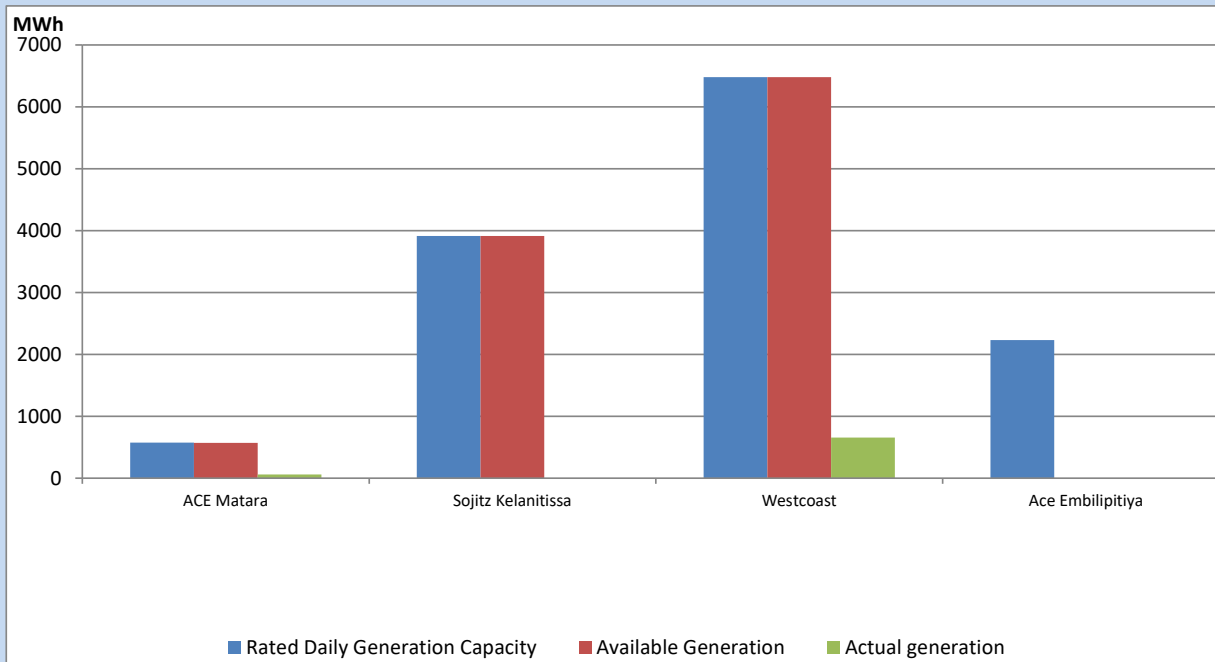
Note- Plant availability is recorded at 6.00 am on

June 17, 2022

## IPP owned Thermal Plant Dispatch

June 16, 2022

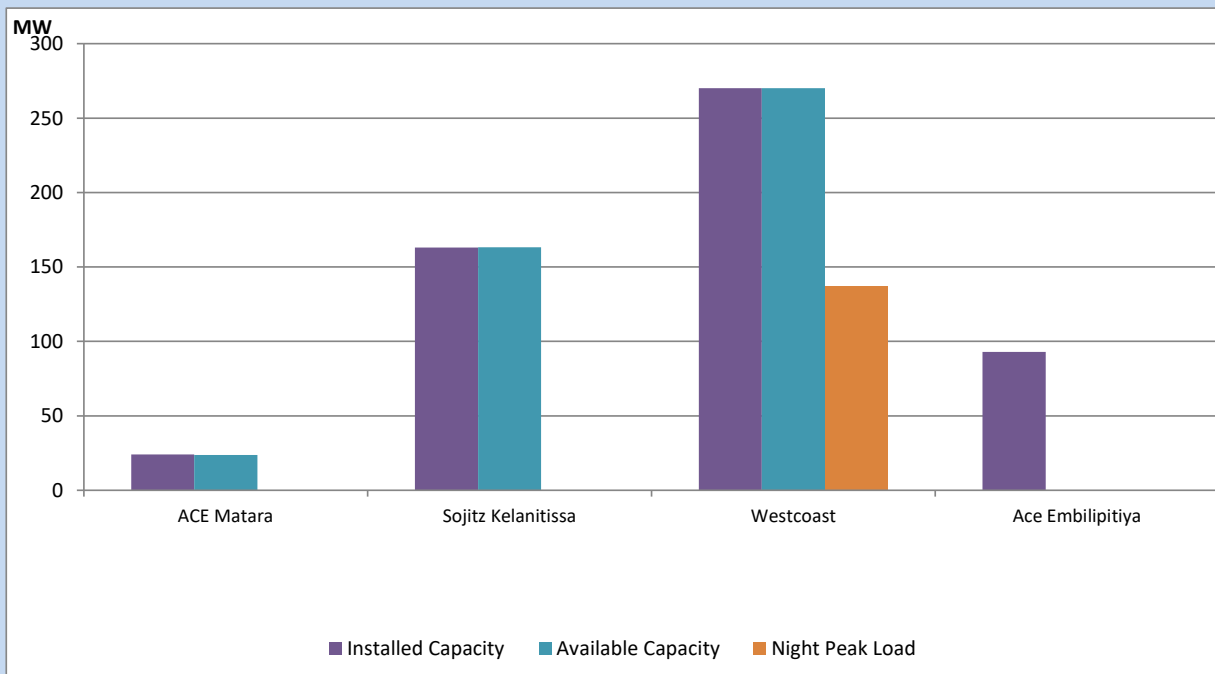
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

June 17, 2022

## IPP owned Thermal Plant Loading at the Night Peak

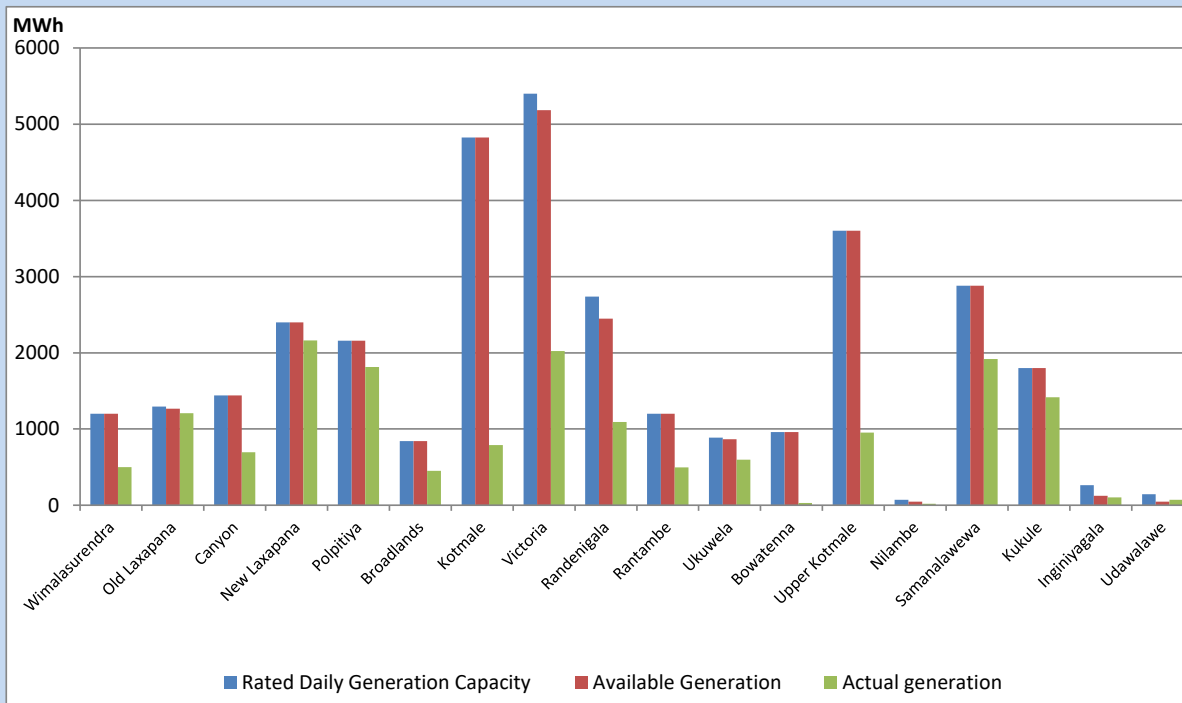


Note- Plant availability is recorded at 6.00 am on

June 17, 2022

## Major Hydro Plant Dispatch

June 16, 2022

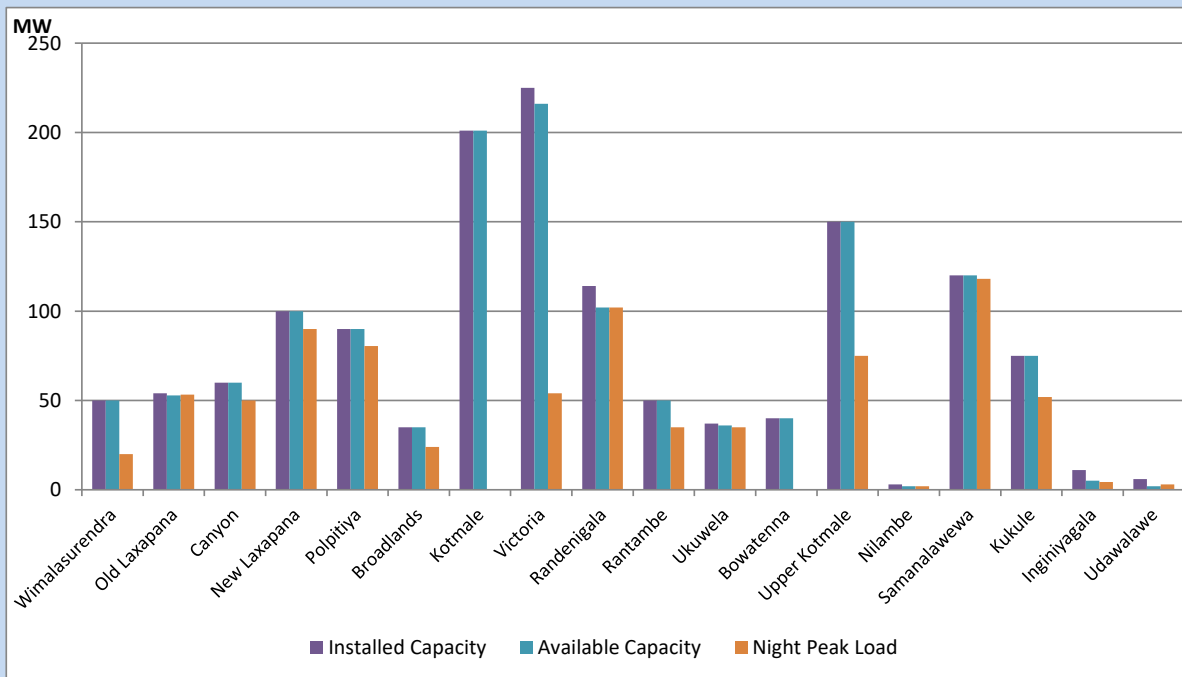


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

June 17, 2022

## Major Hydro Plant Loading at Night Peak

June 16, 2022



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

June 17, 2022

## Summary of Major Plant performance

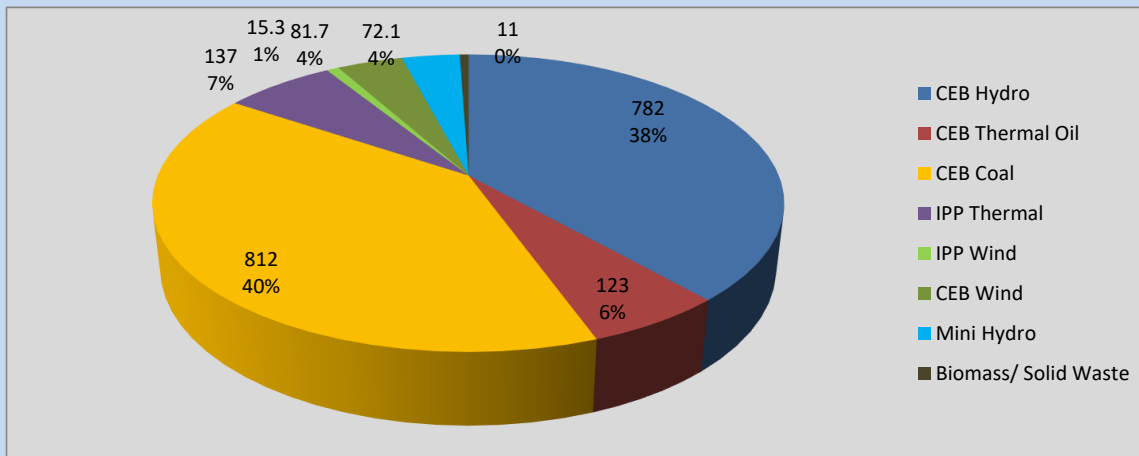
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	20	499
Old Laxapana	54	53	53	1,206
Canyon	60	60	50	695
New Laxapana	100	100	90	2,163
Polpitiya	90	90	80	1,813
Broadlands	35	35	24	452
Kotmale	201	201	0	790
Victoria	225	216	54	2,022
Randenigala	114	102	102	1,092
Rantambe	50	50	35	495
Ukuwela	37	36	35	599
Bowatenna	40	40	0	30
Upper Kotmale	150	150	75	954
Nilambe	3	2	2	19
Samanalawewa	120	120	118	1,917
Kukule	75	75	52	1,418
Inginiyagala	11	5	4	101
Udawalawe	6	2	3	72
Puttalam Coal I	270	270	271	6,451
Puttalam Coal II	270	270	270	6,361
Puttalam Coal III	270	270	271	6,511
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	155	0	0
Sapugaskanda A	70	51	0	0
Sapugaskanda B	70	54	63	1,204
Uthura Janani	26	16	16	371
Barge CEB	60	30	44	994
CEB-Thulhiriya	10	8	0	25
CEB-Kolonnawa	20	13	0	42
CEB-Mathugama	20	14	0	52
ACE Matara	24	24	0	62
Sojitz Kelanitissa	163	163	0	0
West Coast	270	270	137	658
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>3,125</b>	<b>2,050</b>	<b>42,639</b>

Plant availability is the availability recorded at 6 am on

June 17, 2022

## Contribution to the Night Peak in MW

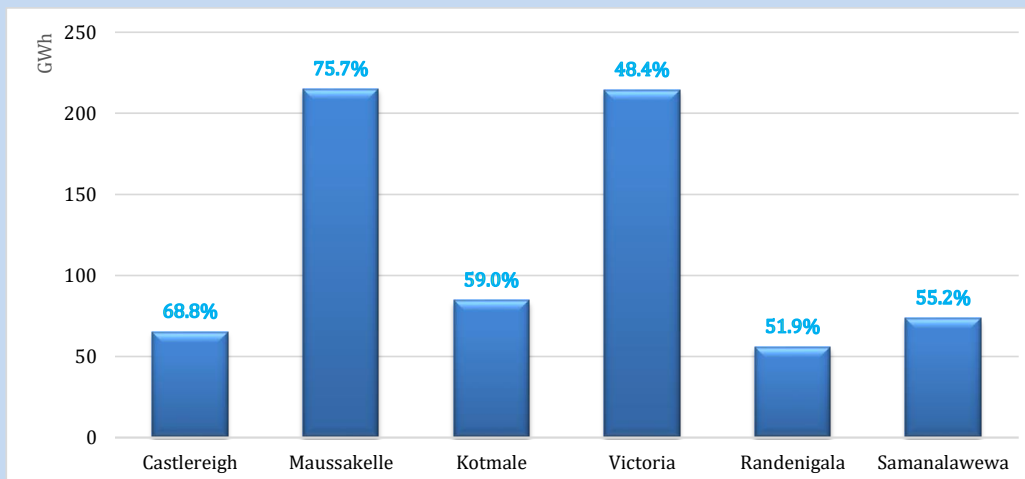
June 16, 2022



Night Peak*	2,033.8 MW
Day Peak	2,040.7 MW
Minimum Demand	1,321.8 MW

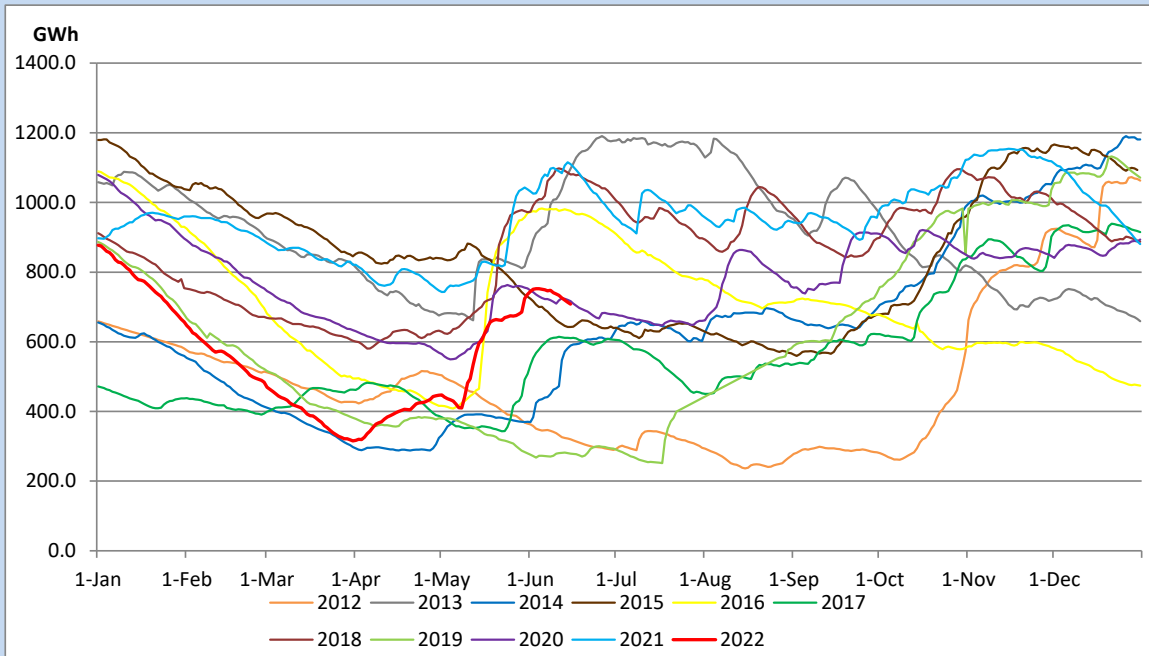
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on June 17, 2022

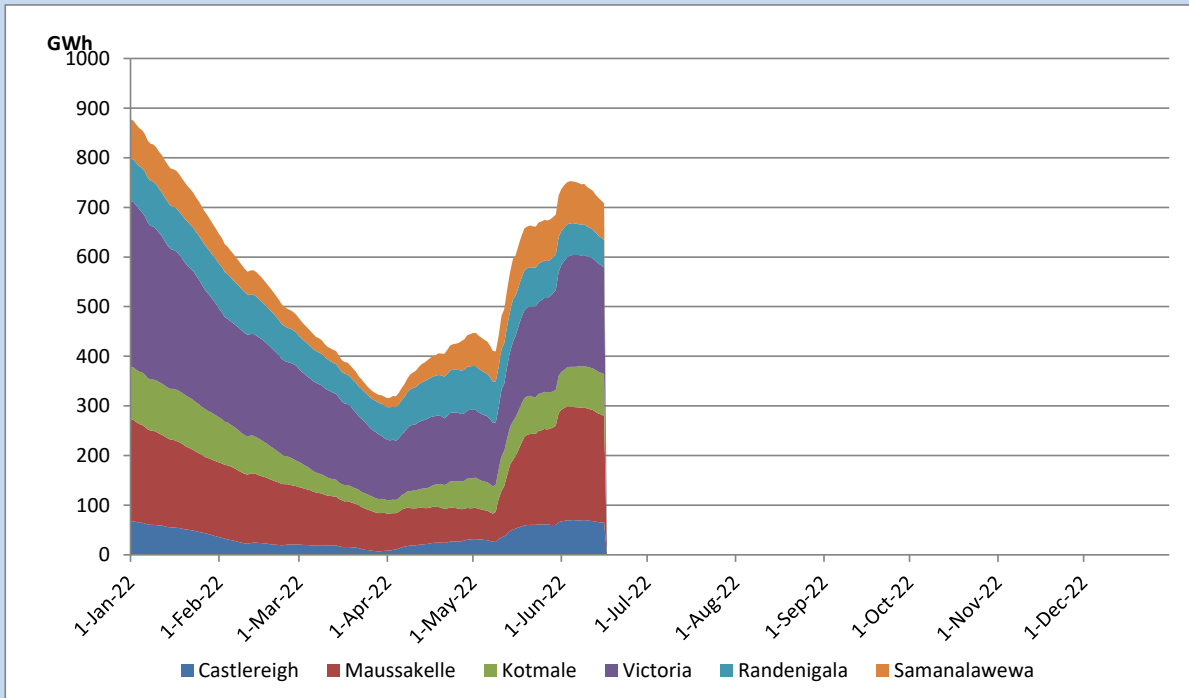


Total Reservoir Level	708.1 GWh
% of Total capacity	58.8%

## Comparison of Total Reservoir Storage Levels with Past Years

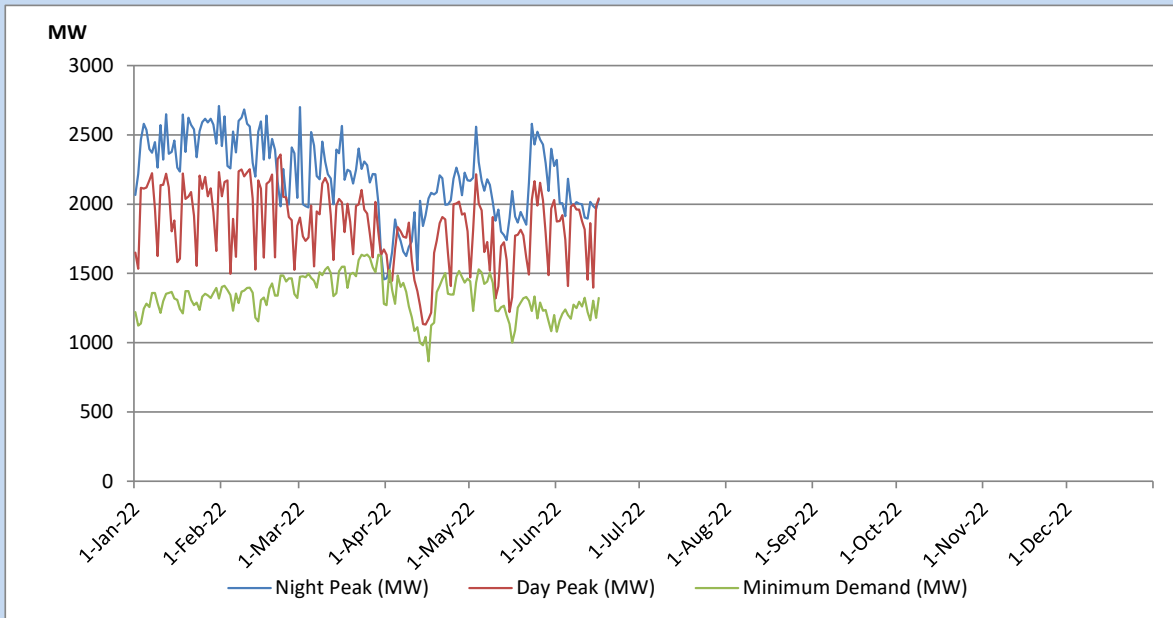


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

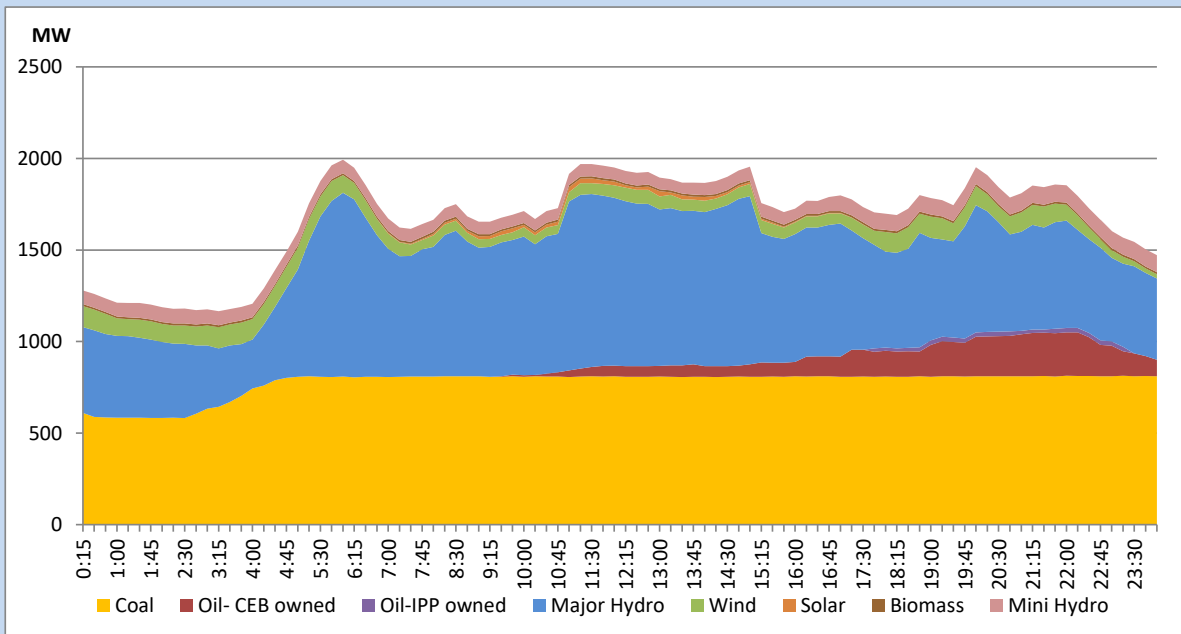


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

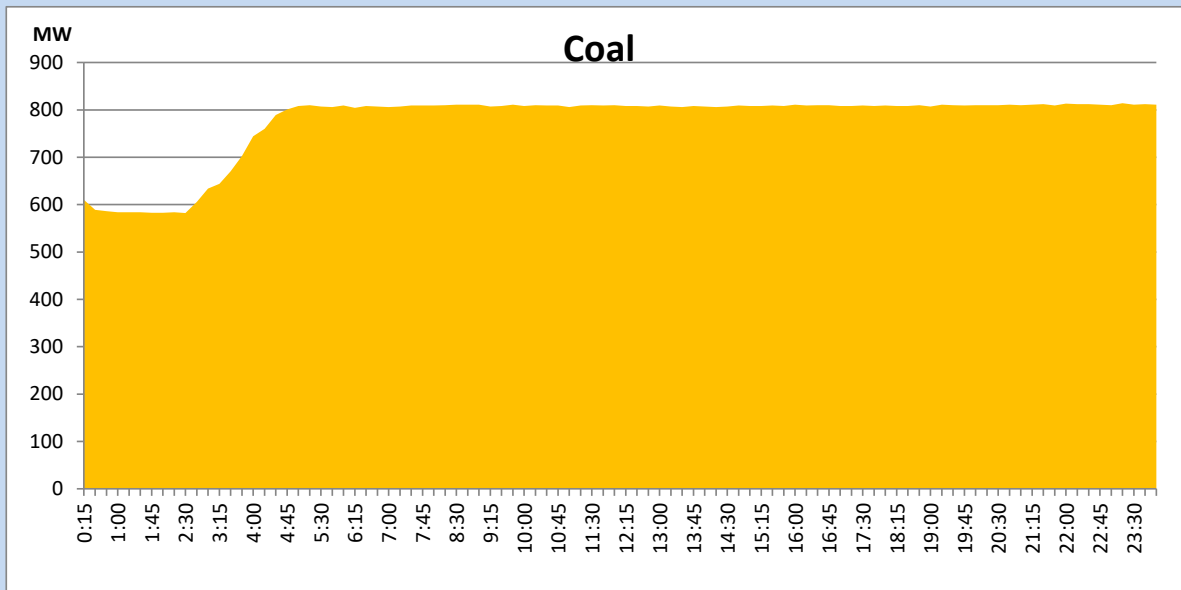
June 15, 2022

Solar and wind data is based on Telemetered Power Stations only



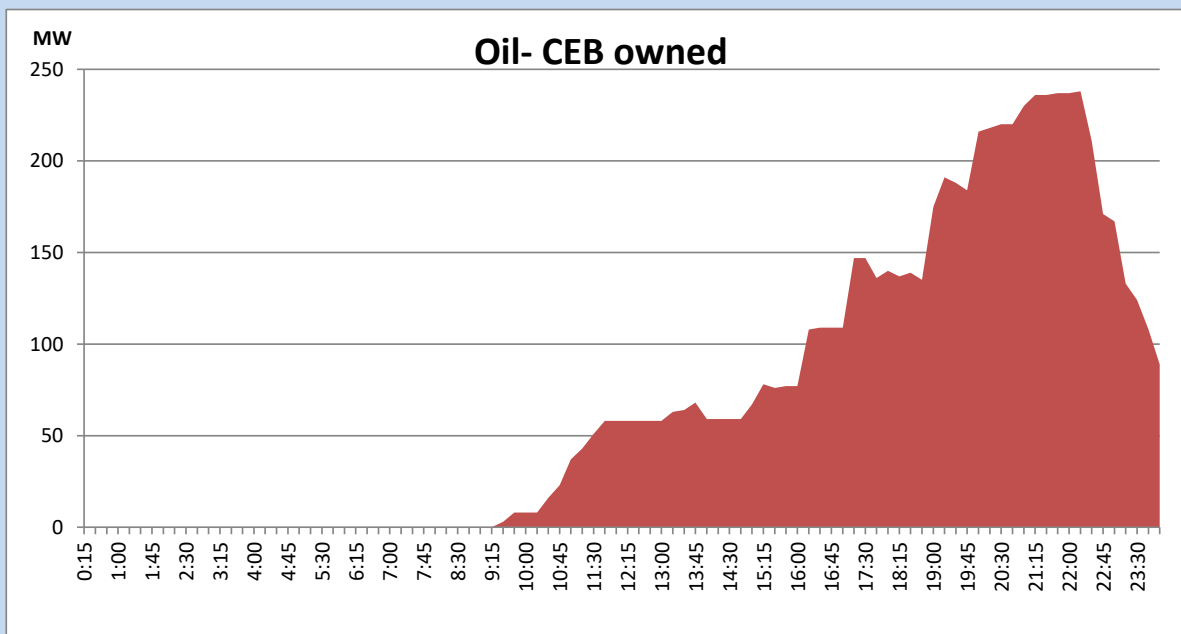
## Coal Generation during the Previous day

June 15, 2022



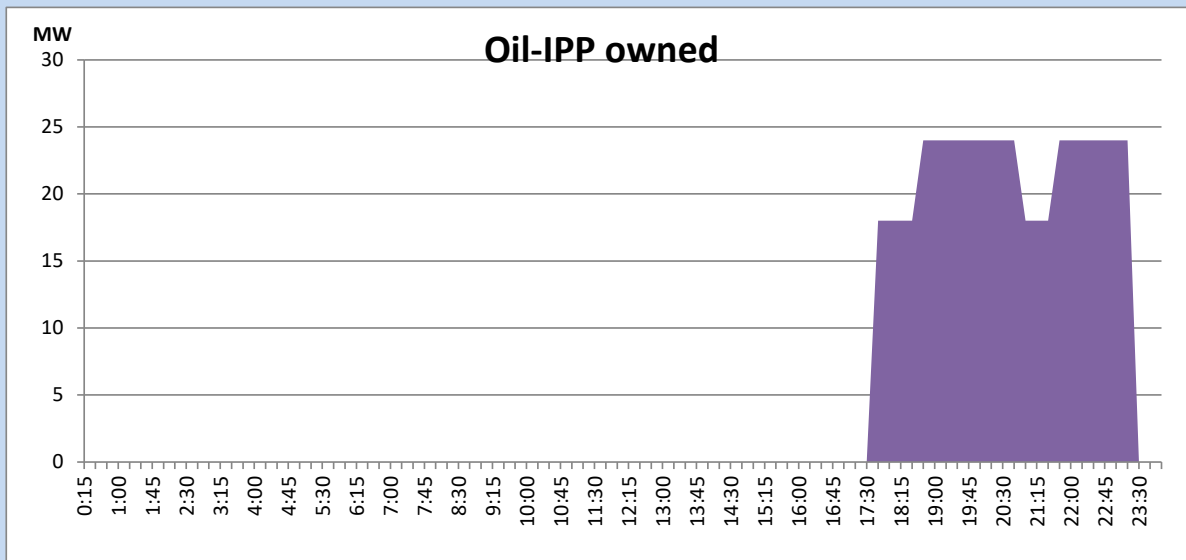
## CEB Oil Plant Generation during the Previous day

June 15, 2022



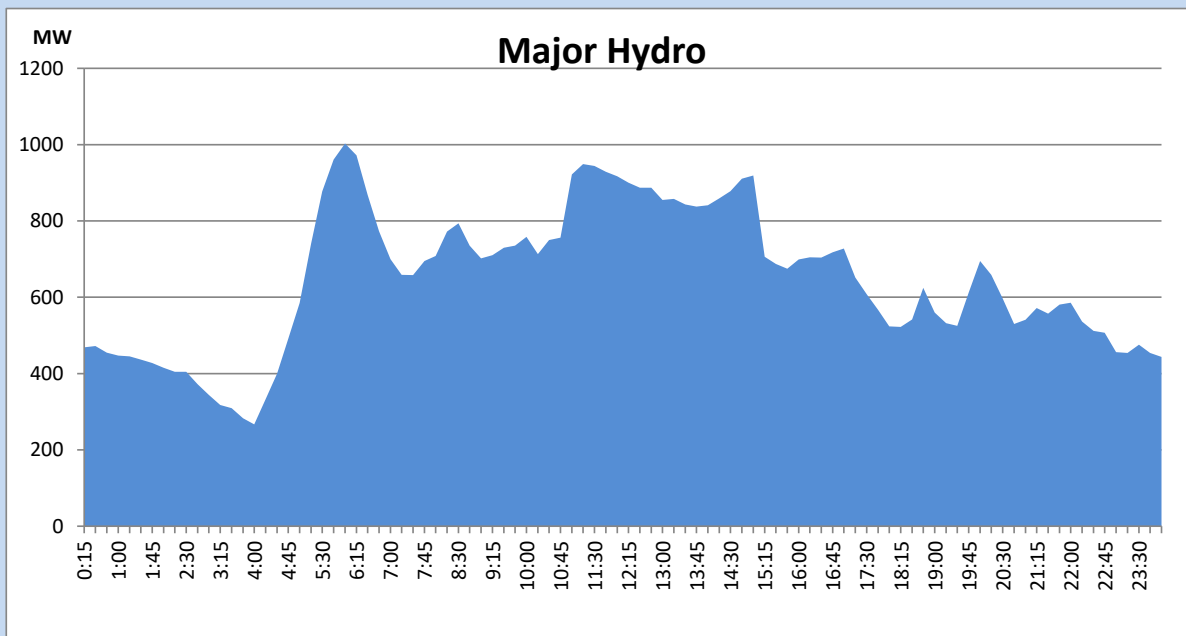
## IPP Oil Plant Generation during the Previous day

June 15, 2022



## Major Hydro Generation during the Previous day

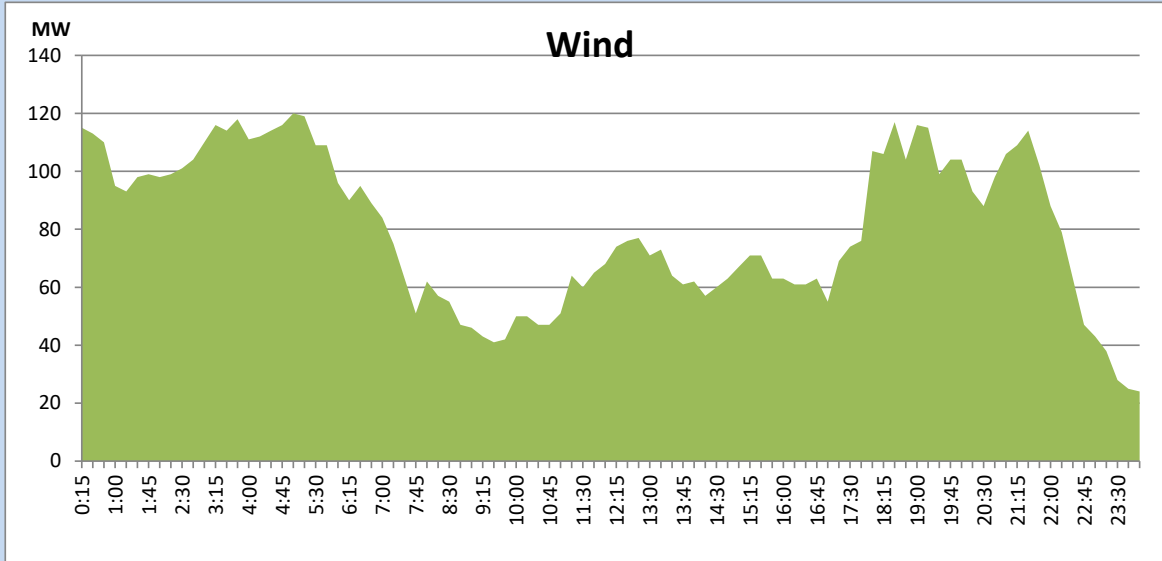
June 15, 2022



## Wind Generation during the Previous day

June 15, 2022

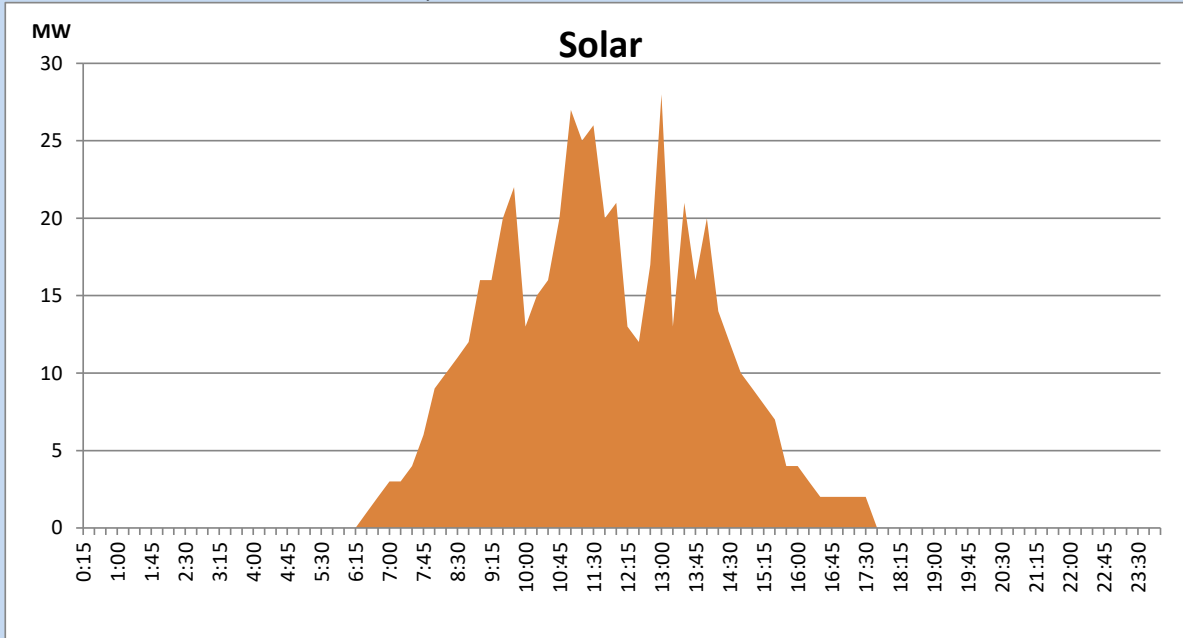
Based on Telemetered Power Stations only



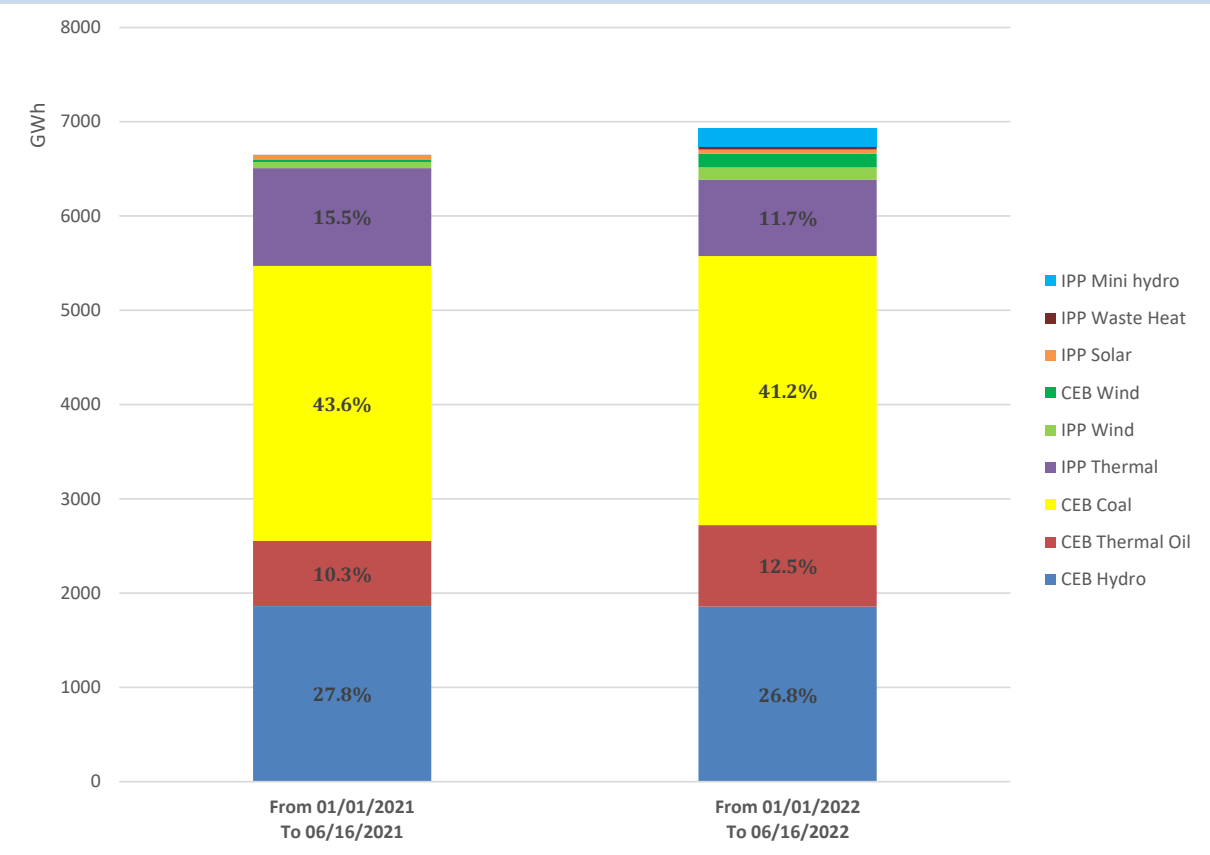
## Solar Generation during the Previous day

June 15, 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

June 17, 2022

- 1) Rotational manual load shedding was carried out from 6:00hrs to 10:45hrs and from 15:00 hrs to 21:45 hrs.
- 2) N'Anu – Puttalam cct 01 tripped from both ends due to operation of differential protection at 17:08hrs. cct restored at 17:55hrs.
- 3) Padukka 220/132kV TF 02 Tripped at 17:05hrs due to operation of OLTC oil level low protection. T/F is yet to be restored.