

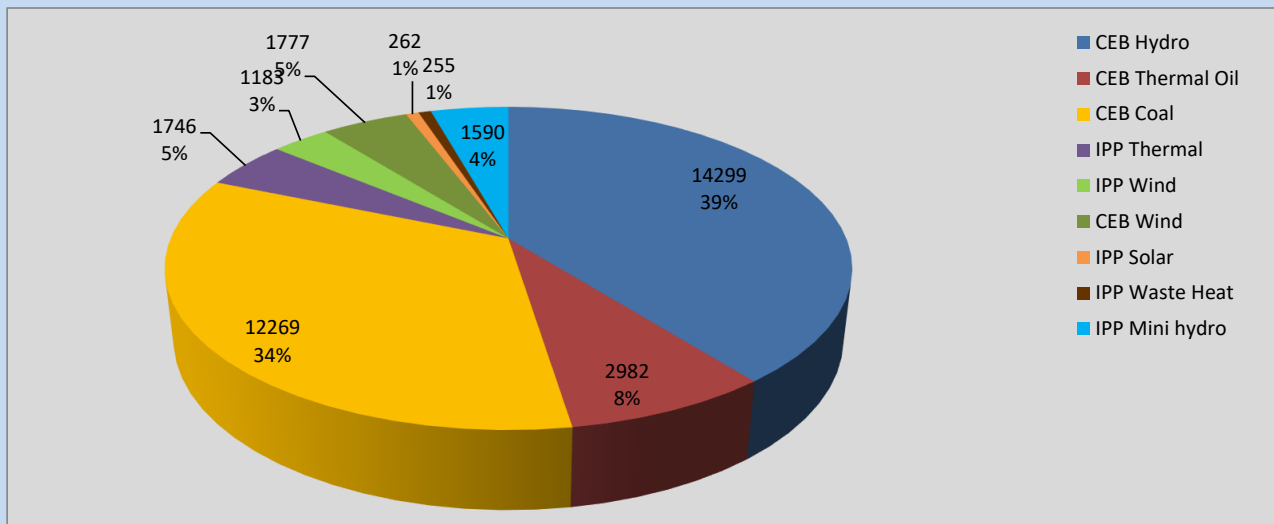
# Generation and Reservoirs Statistics

June 19, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation **36,363 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

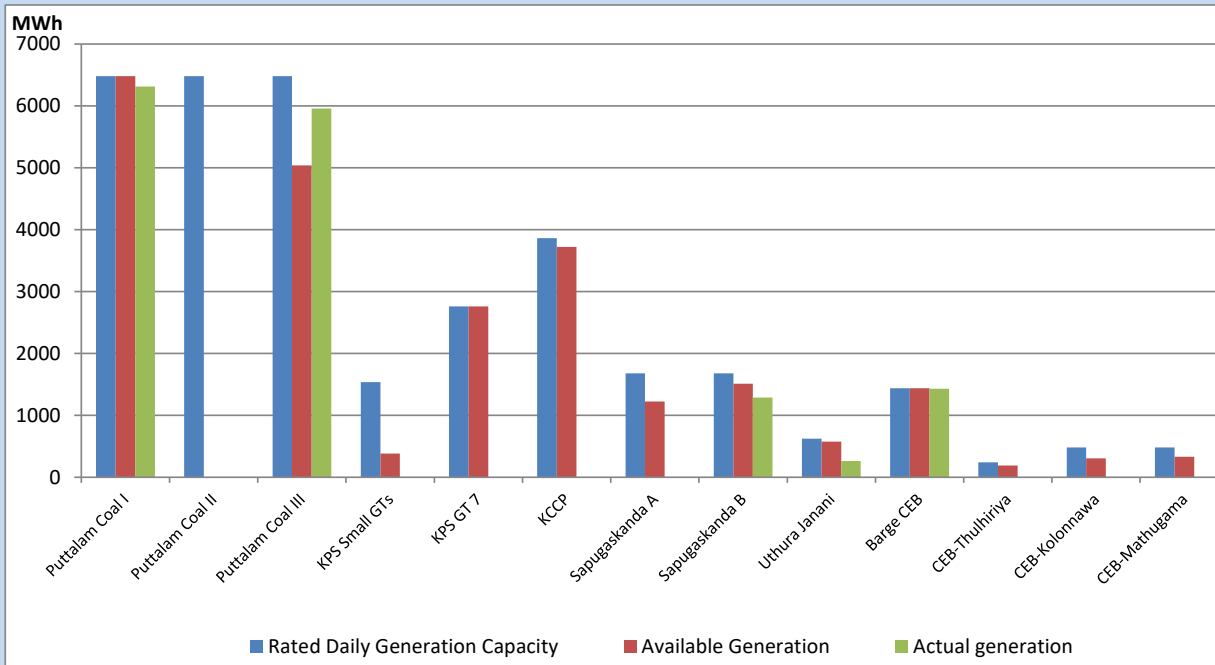
Category	Dispatch (GWh)	Percentage
CEB Hydro	292.42	38.54%
CEB Thermal Oil	13.86	1.83%
CEB Coal	334.88	44.14%
IPP Thermal	7.58	1.00%
SPP Wind	31.55	4.16%
CEB Wind	33.79	4.45%
SPP Solar	4.18	0.55%
SPP Solid Waste	4.32	0.57%
Mini Hydro	36.15	4.76%
<b>Total</b>	<b>758.73</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,901.5	26.96%
CEB Thermal Oil	872.3	12.37%
CEB Coal	2,901.2	41.14%
IPP Thermal	816.1	11.57%
SPP Wind	132.5	1.88%
CEB Wind	150.5	2.13%
SPP Solar	43.2	0.61%
SPP Solid Waste	35.6	0.51%
Mini Hydro	199.9	2.83%
<b>Total</b>	<b>7,052.5</b>	

## CEB owned Thermal Plant Dispatch

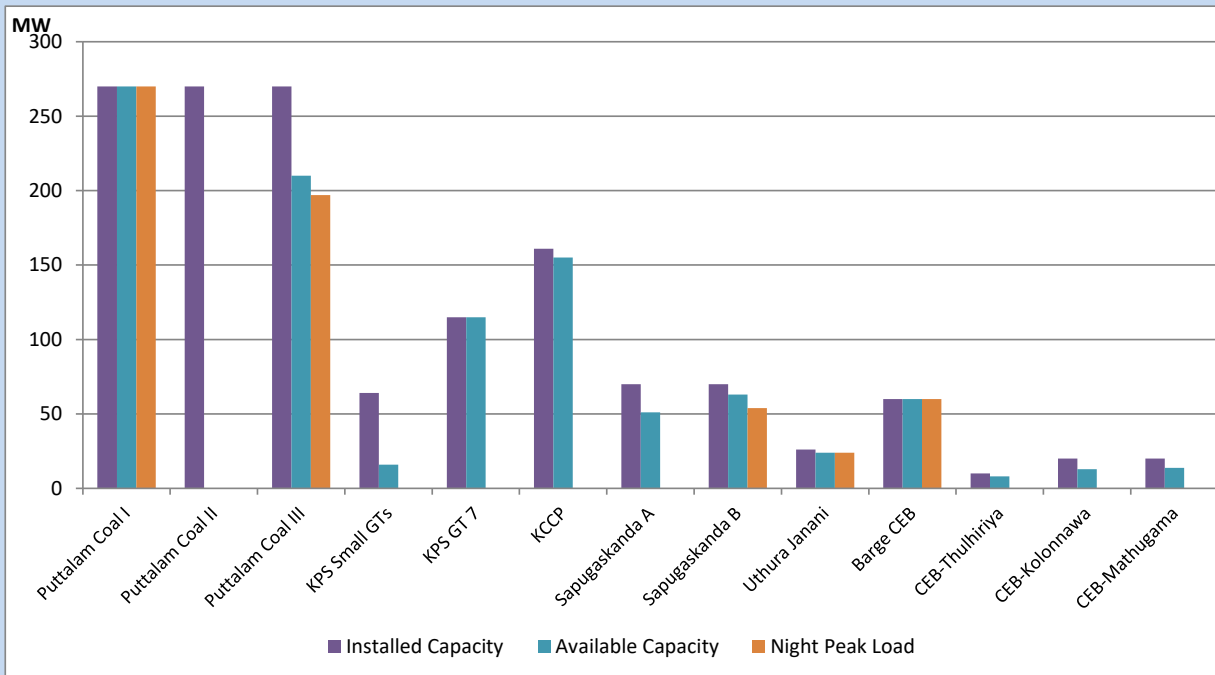
June 19, 2022



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

June 20, 2022

## CEB owned Thermal Plant Loading at the Night Peak



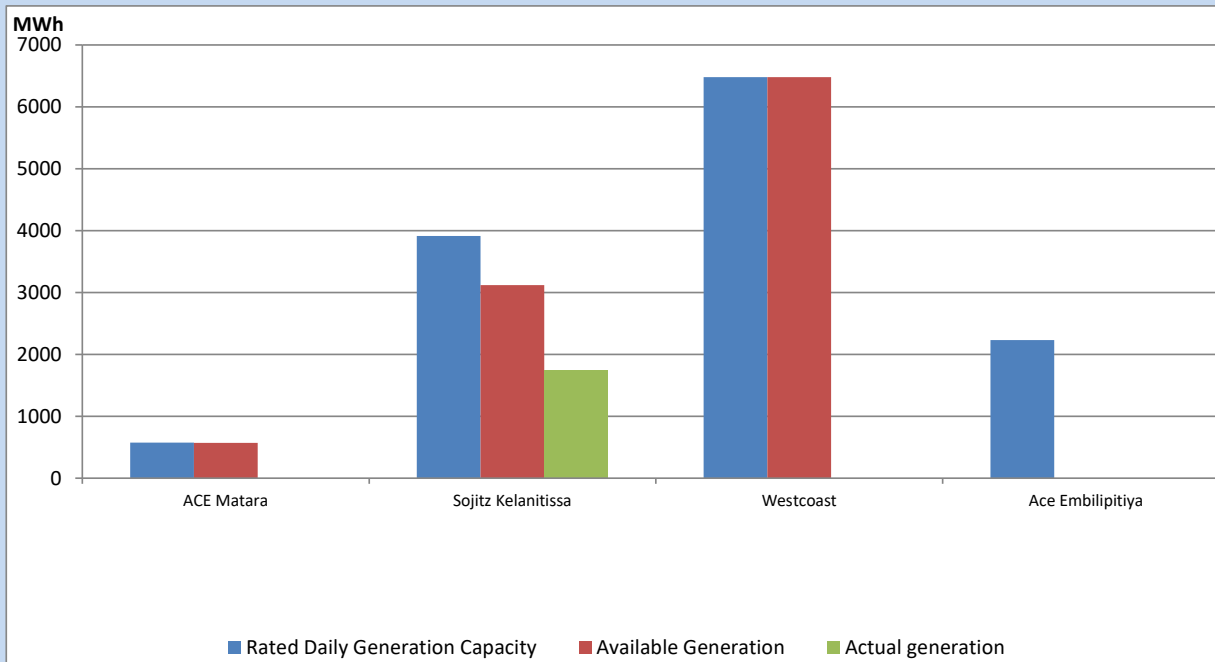
Note- Plant availability is recorded at 6.00 am on

June 20, 2022

## IPP owned Thermal Plant Dispatch

June 19, 2022

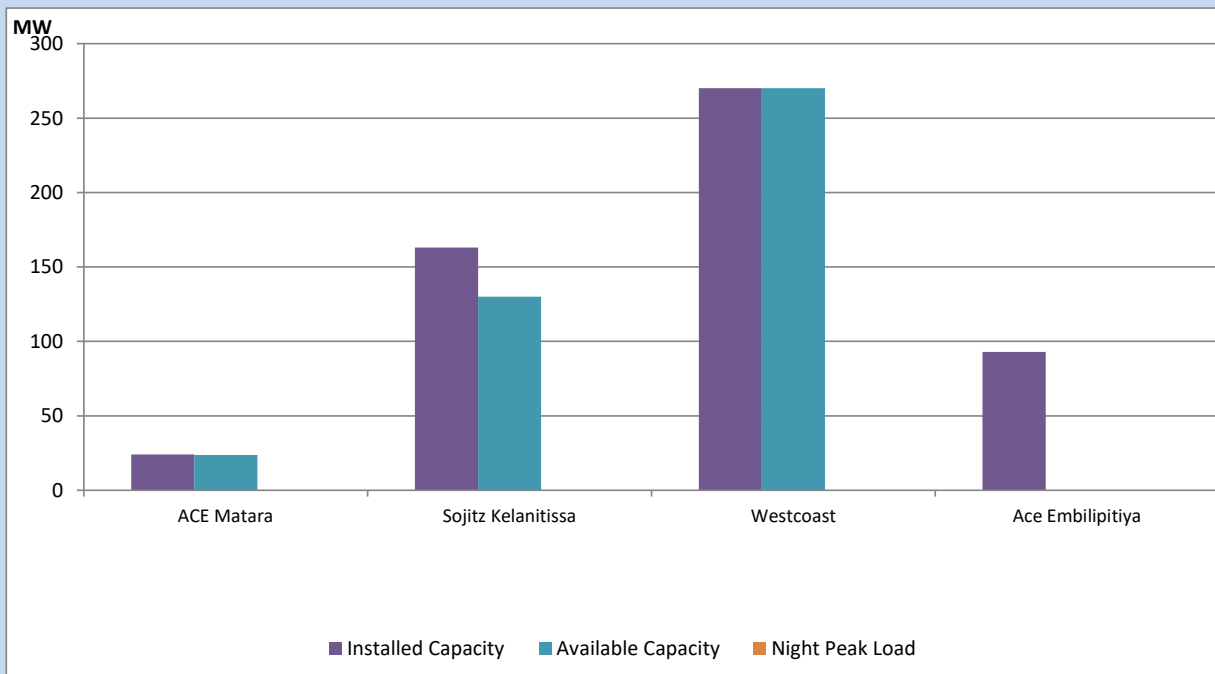
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

June 20, 2022

## IPP owned Thermal Plant Loading at the Night Peak

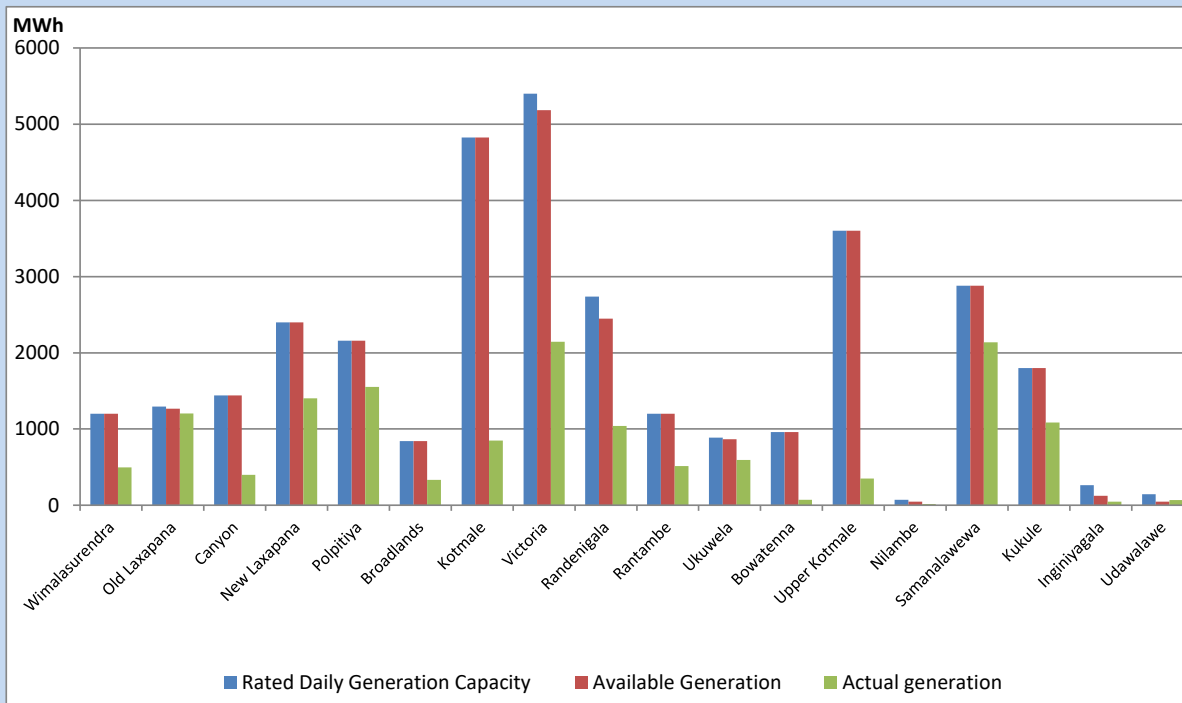


Note- Plant availability is recorded at 6.00 am on

June 20, 2022

## Major Hydro Plant Dispatch

June 19, 2022

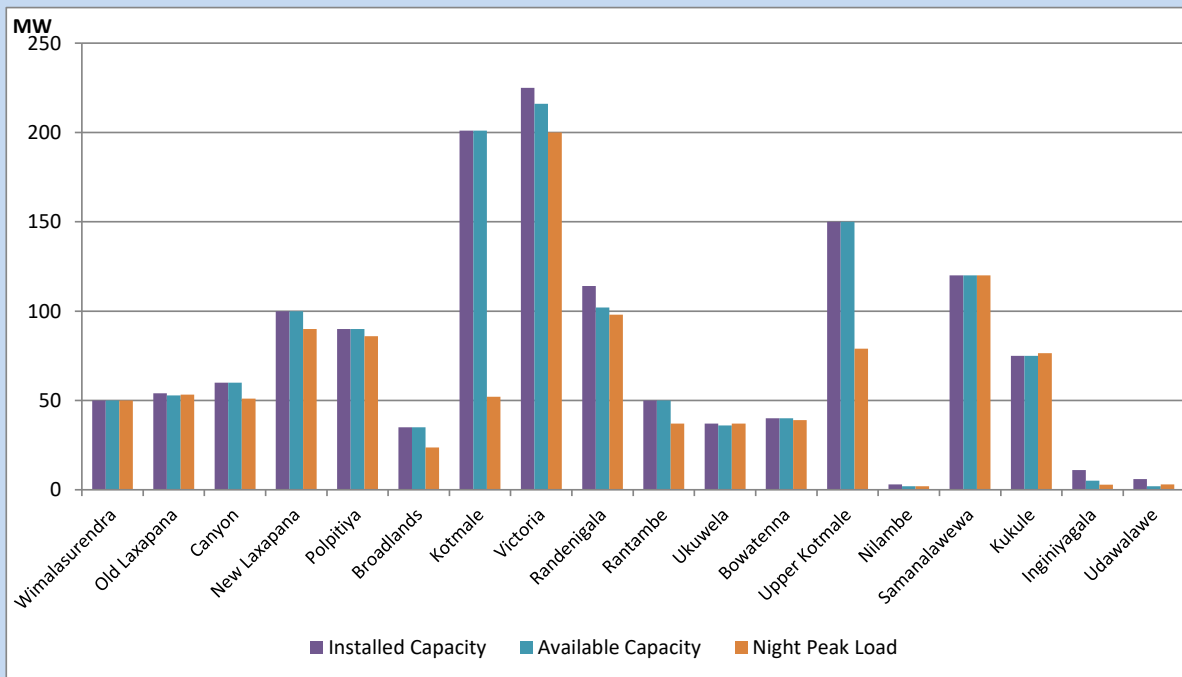


Available Generation is estimated based on plant availability at 6.00am on June 20, 2022  
 Broadlands power plant is operating in the Commissioning Stage

June 20, 2022

## Major Hydro Plant Loading at Night Peak

June 19, 2022



Note- Plant availability is recorded at 6.00 am on June 20, 2022  
 Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

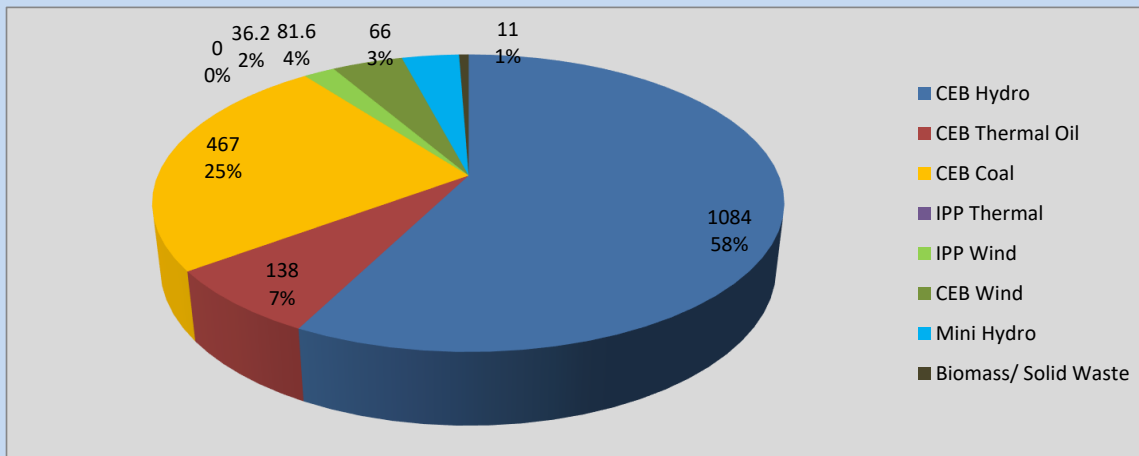
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	498
Old Laxapana	54	53	53	1,203
Canyon	60	60	51	400
New Laxapana	100	100	90	1,401
Polpitiya	90	90	86	1,552
Broadlands	35	35	24	334
Kotmale	201	201	52	850
Victoria	225	216	200	2,144
Randenigala	114	102	98	1,041
Rantambe	50	50	37	515
Ukuwela	37	36	37	593
Bowatenna	40	40	39	72
Upper Kotmale	150	150	79	349
Nilambe	3	2	2	14
Samanalawewa	120	120	120	2,137
Kukule	75	75	76	1,085
Inginiyagala	11	5	3	45
Udawalawe	6	2	3	66
Puttalam Coal I	270	270	270	6,313
Puttalam Coal II	270	0	0	0
Puttalam Coal III	270	210	197	5,956
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	63	54	1,287
Uthura Janani	26	24	24	263
Barge CEB	60	60	60	1,432
CEB-Thulhiriya	10	8	0	0
CEB-Kolonnawa	20	13	0	0
CEB-Mathugama	20	14	0	0
ACE Matara	24	24	0	0
Sojitz Kelanitissa	163	130	0	1,746
West Coast	270	270	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,809</b>	<b>1,900</b>	<b>36,363</b>

Plant availability is the availability recorded at 6 am on

June 20, 2022

## Contribution to the Night Peak in MW

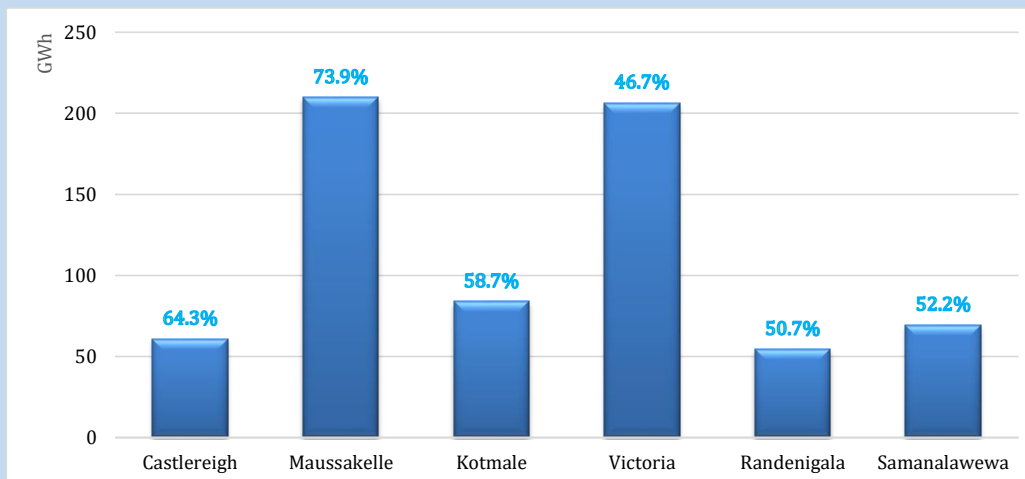
June 19, 2022



Night Peak*	1,883.9 MW
Day Peak	1,508.5 MW
Minimum Demand	1,273.6 MW

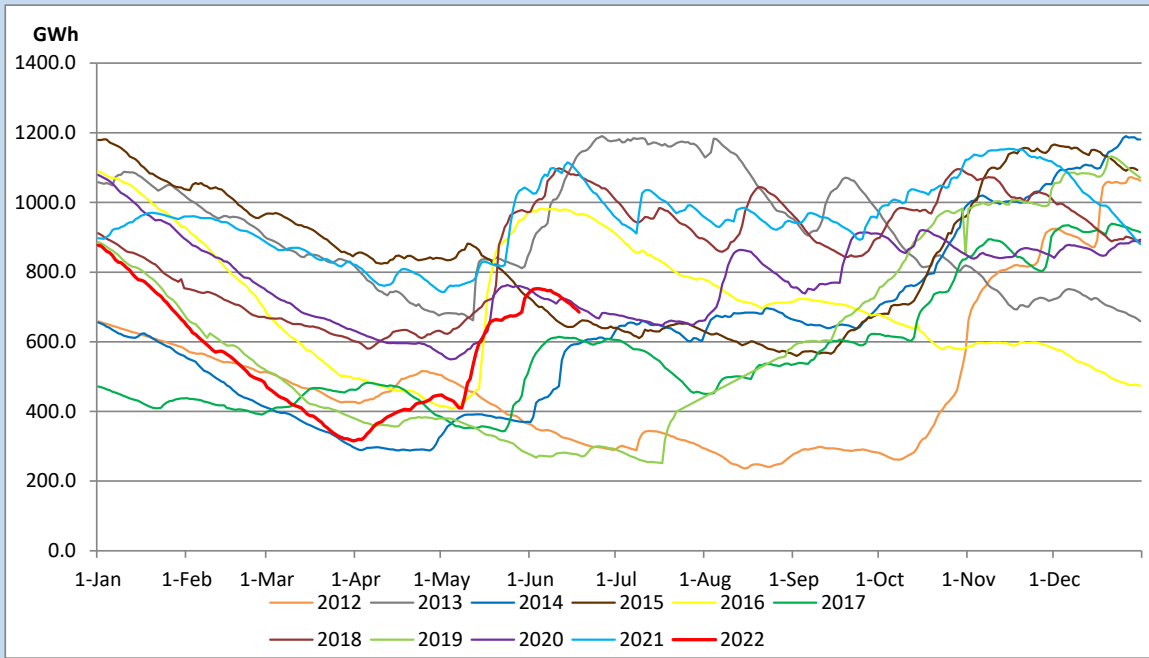
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on June 20, 2022

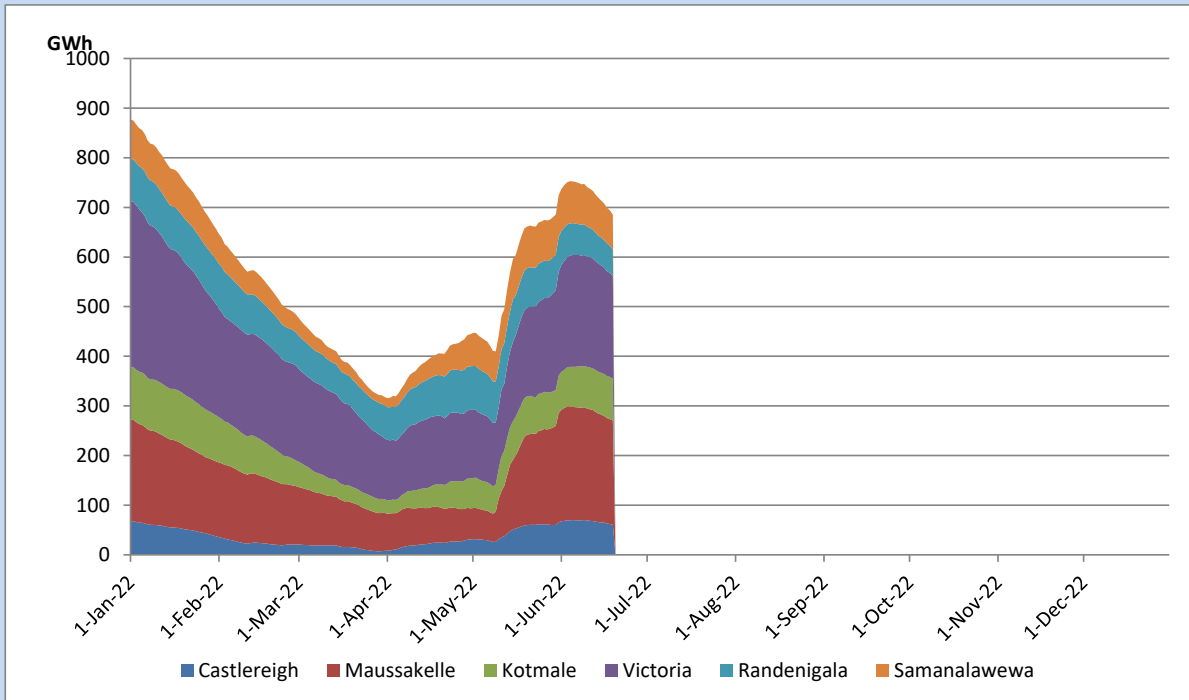


Total Reservoir Level	685.2 GWh
% of Total capacity	56.9%

## Comparison of Total Reservoir Storage Levels with Past Years

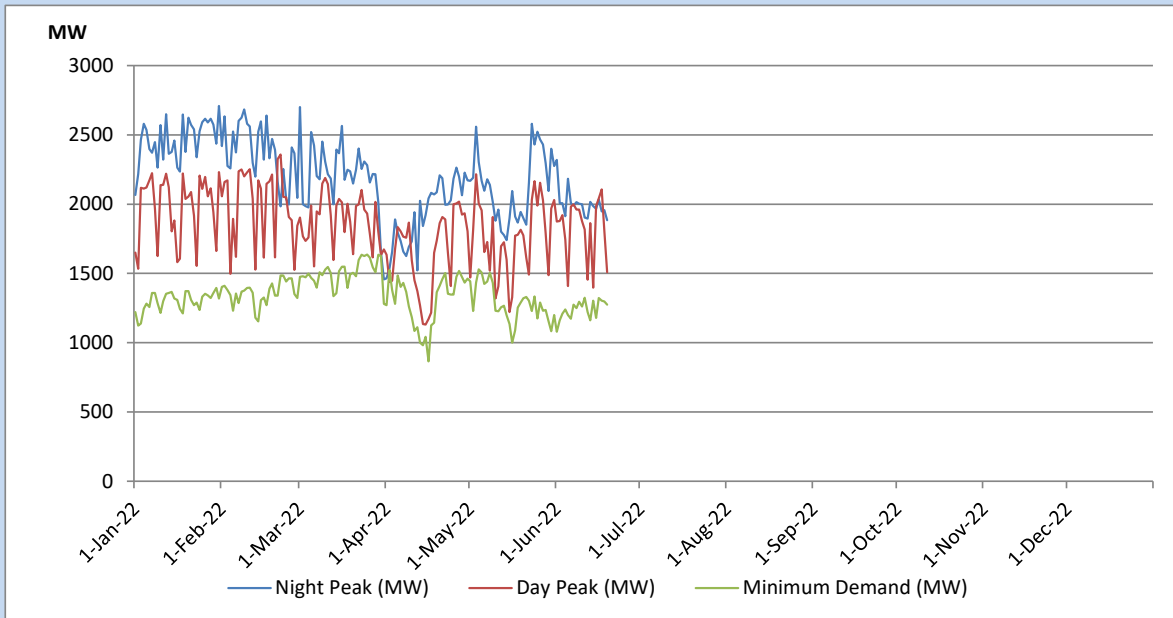


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

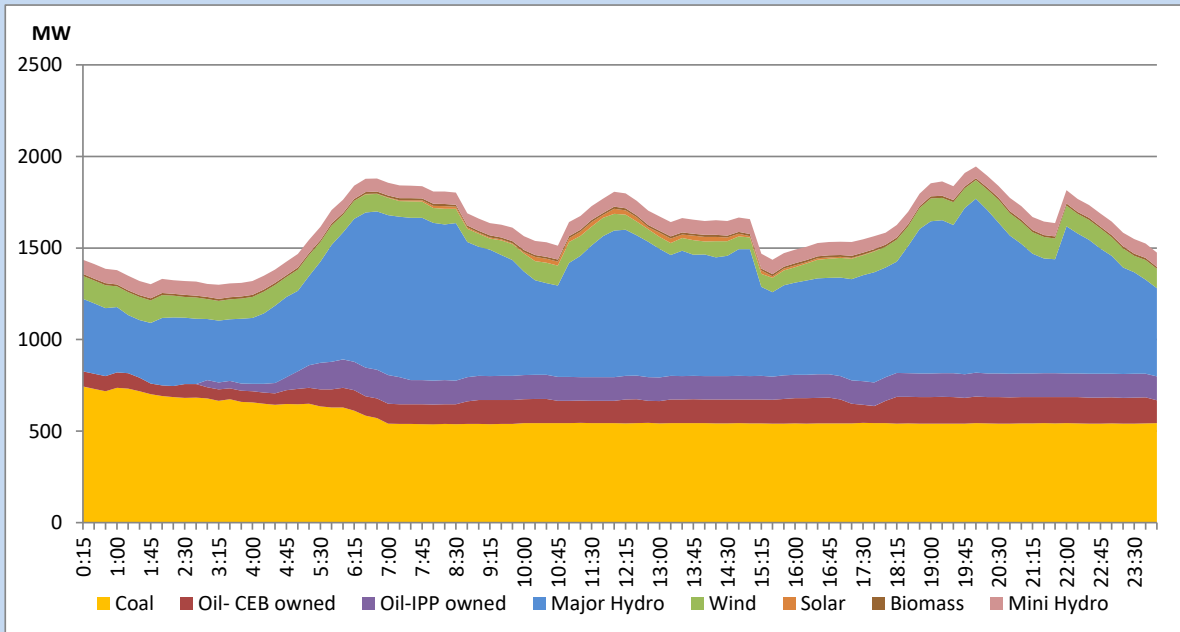


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

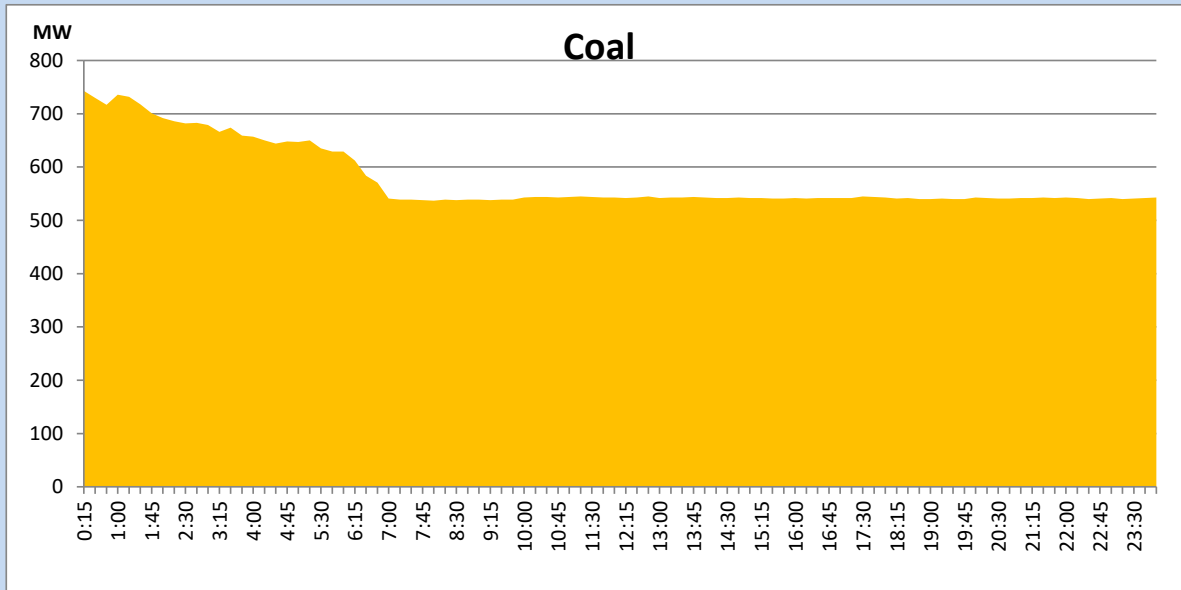
June 18, 2022

Solar and wind data is based on Telemetered Power Stations only



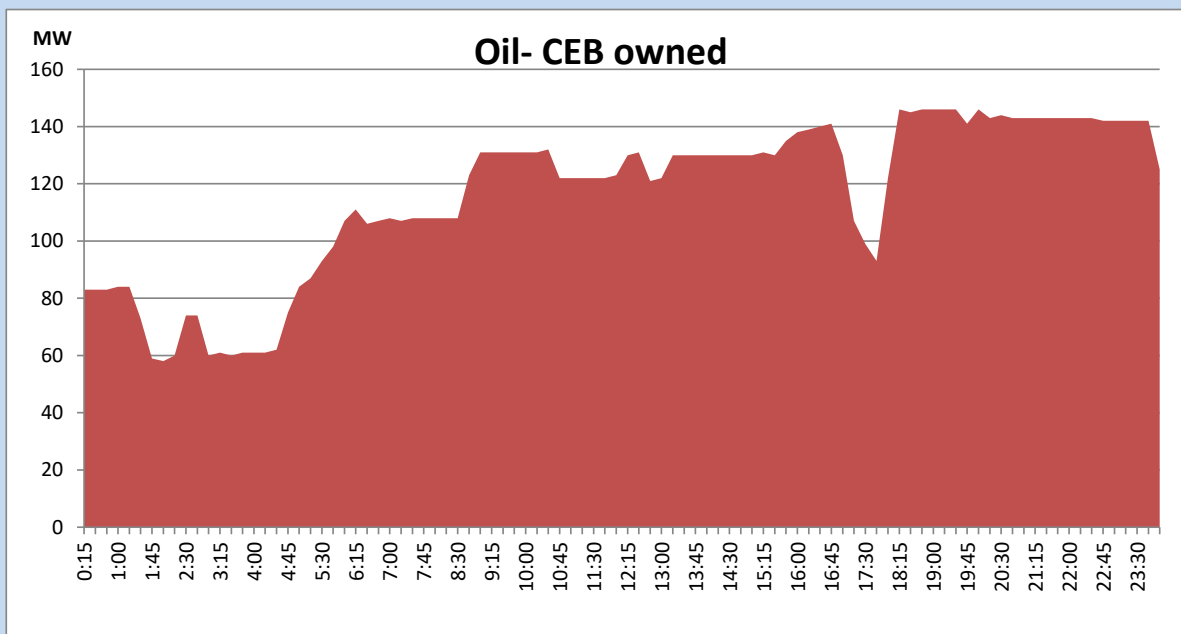
## Coal Generation during the Previous day

June 18, 2022



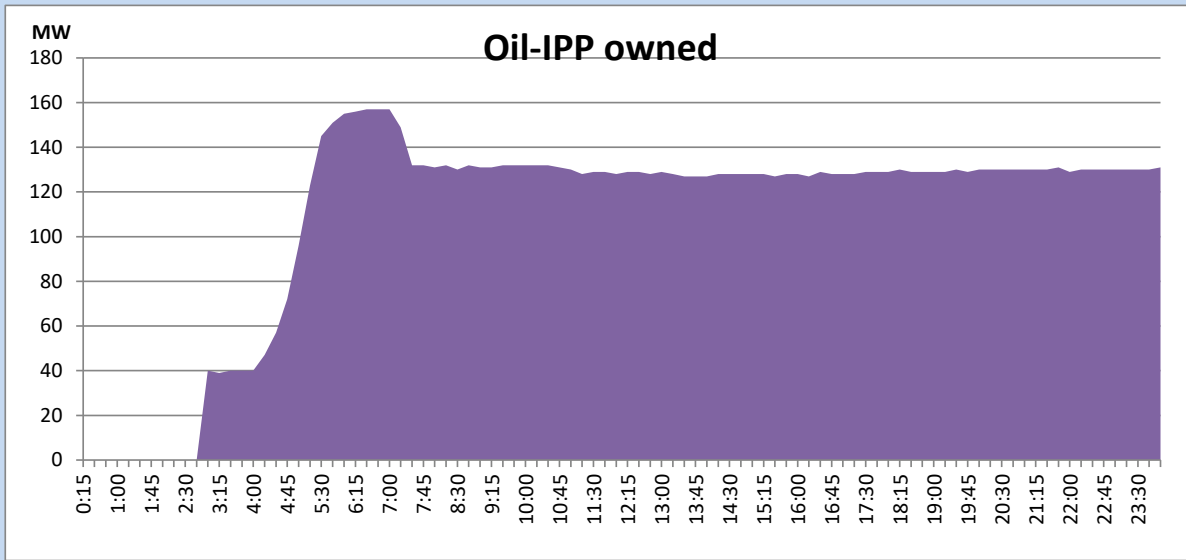
## CEB Oil Plant Generation during the Previous day

June 18, 2022



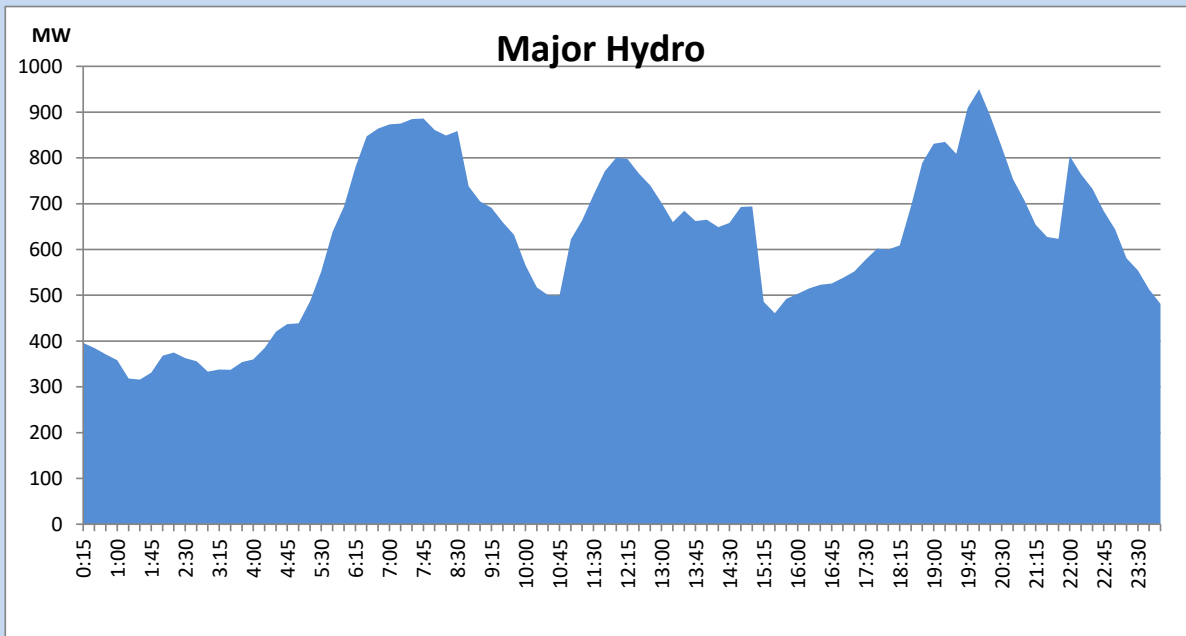
## IPP Oil Plant Generation during the Previous day

June 18, 2022



## Major Hydro Generation during the Previous day

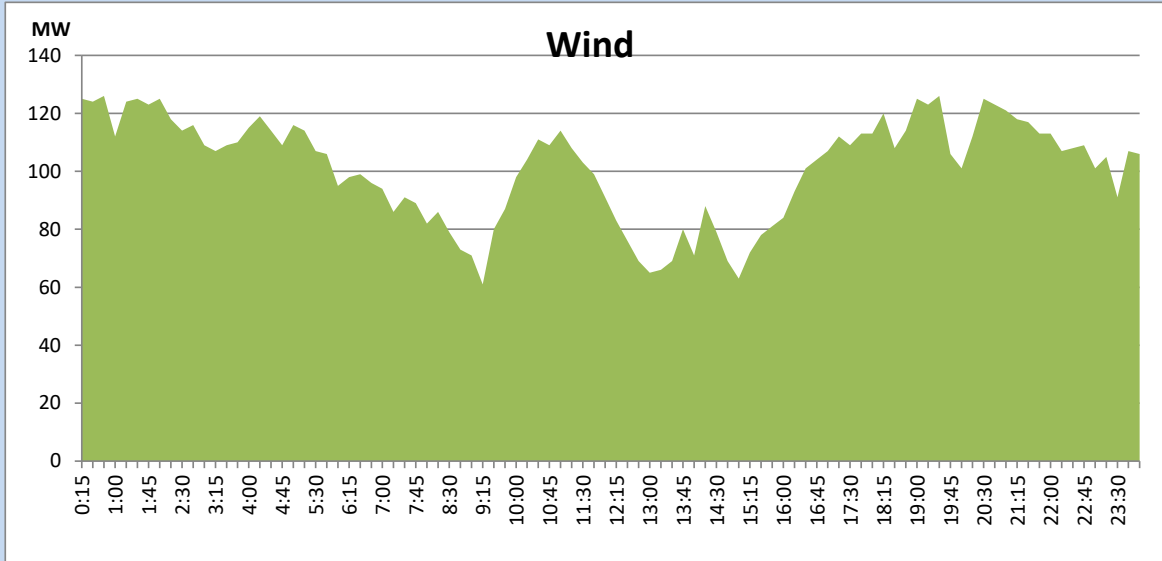
June 18, 2022



## Wind Generation during the Previous day

June 18, 2022

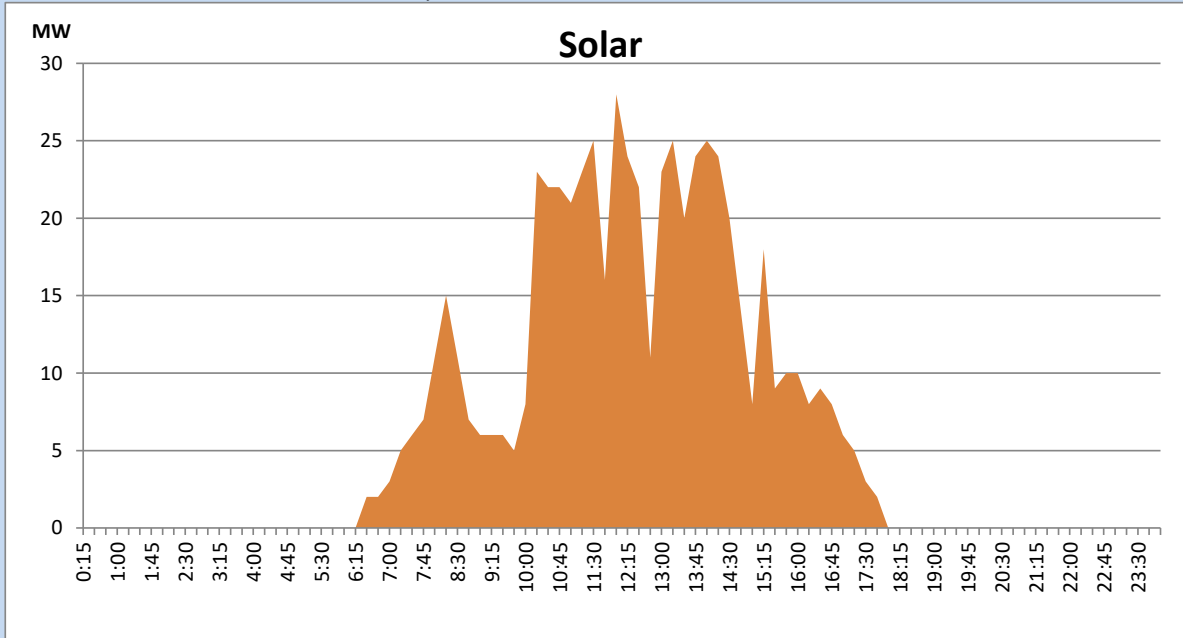
Based on Telemetered Power Stations only



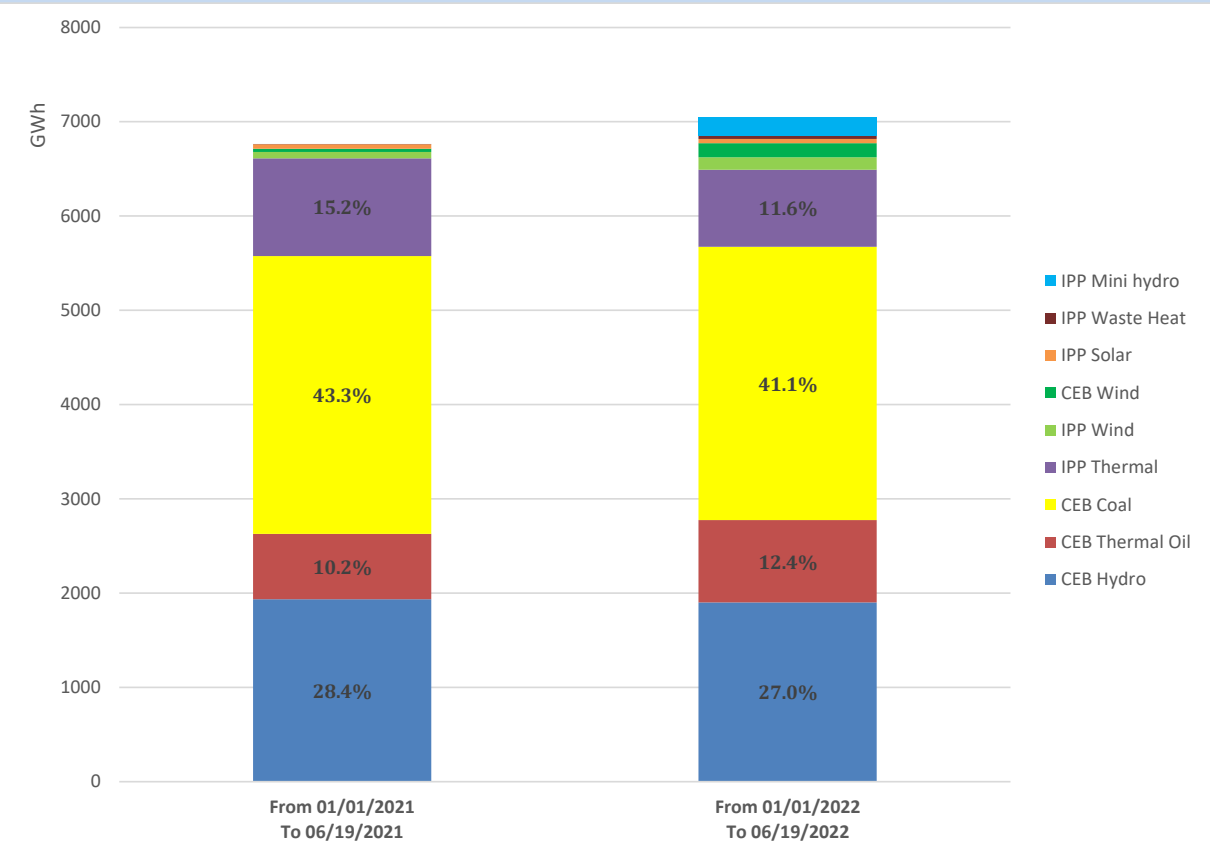
## Solar Generation during the Previous day

June 18, 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 20, 2022

- 1) Rotational manual load shedding was carried out from 17:30hrs to 21:30hrs.
- 2) Kilinochchi -Chunnakam cct 01 tripped from both ends at 09:12hrs due to the operation of distance protection. The cct is yet to be restored.