

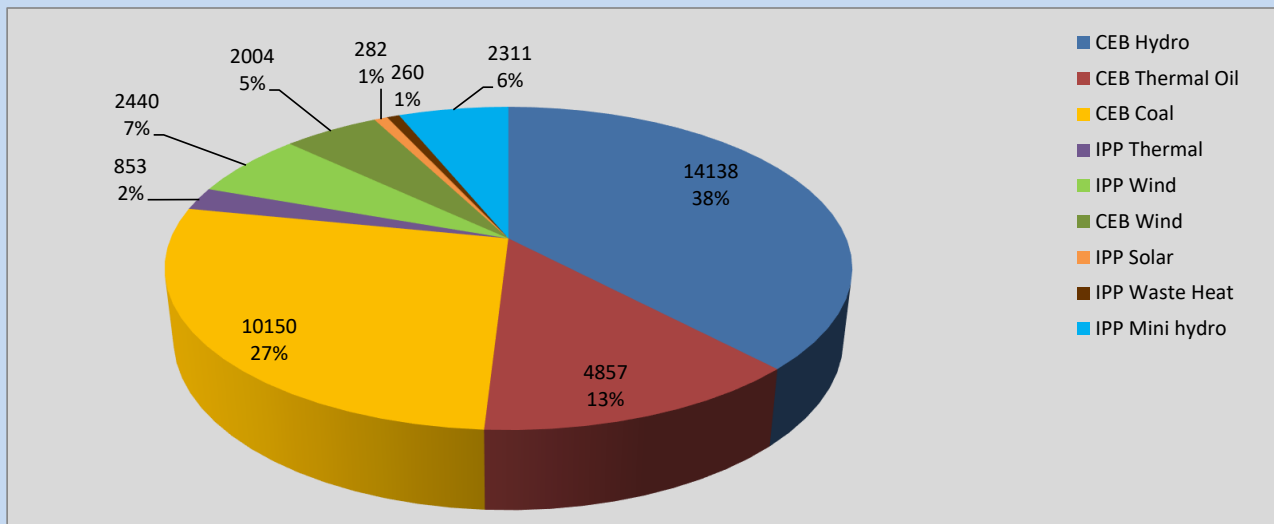
# Generation and Reservoirs Statistics

October 1, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** 37,295 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

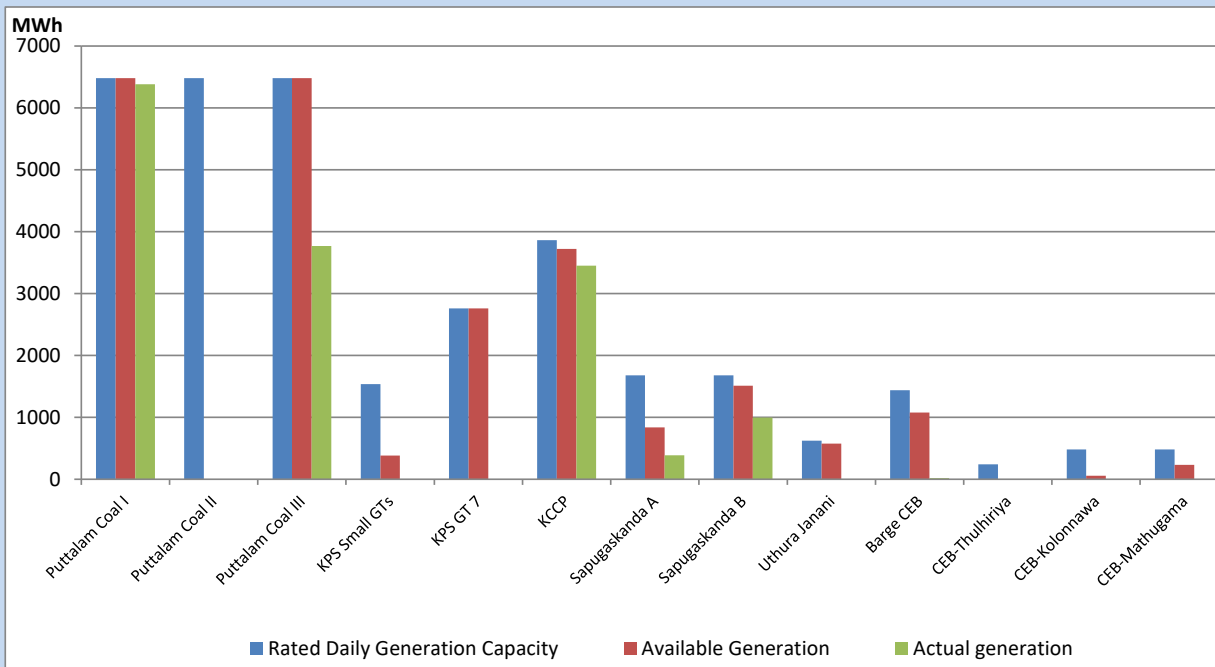
Category	Dispatch (GWh)	Percentage
CEB Hydro	14.14	37.92%
CEB Thermal Oil	4.86	13.03%
CEB Coal	10.15	27.22%
IPP Thermal	0.85	2.28%
SPP Wind	2.44	6.54%
CEB Wind	2.00	5.36%
SPP Solar	0.28	0.75%
SPP Solid Waste	0.26	0.70%
Mini Hydro	2.31	6.19%
<b>Total</b>	<b>37.29</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	3,714.3	33.44%
CEB Thermal Oil	1,183.6	10.66%
CEB Coal	4,051.3	36.48%
IPP Thermal	1,076.6	9.69%
SPP Wind	283.4	2.55%
CEB Wind	308.0	2.77%
SPP Solar	71.7	0.65%
SPP Solid Waste	55.1	0.50%
Mini Hydro	362.9	3.27%
<b>Total</b>	<b>11,106.6</b>	

## CEB owned Thermal Plant Dispatch

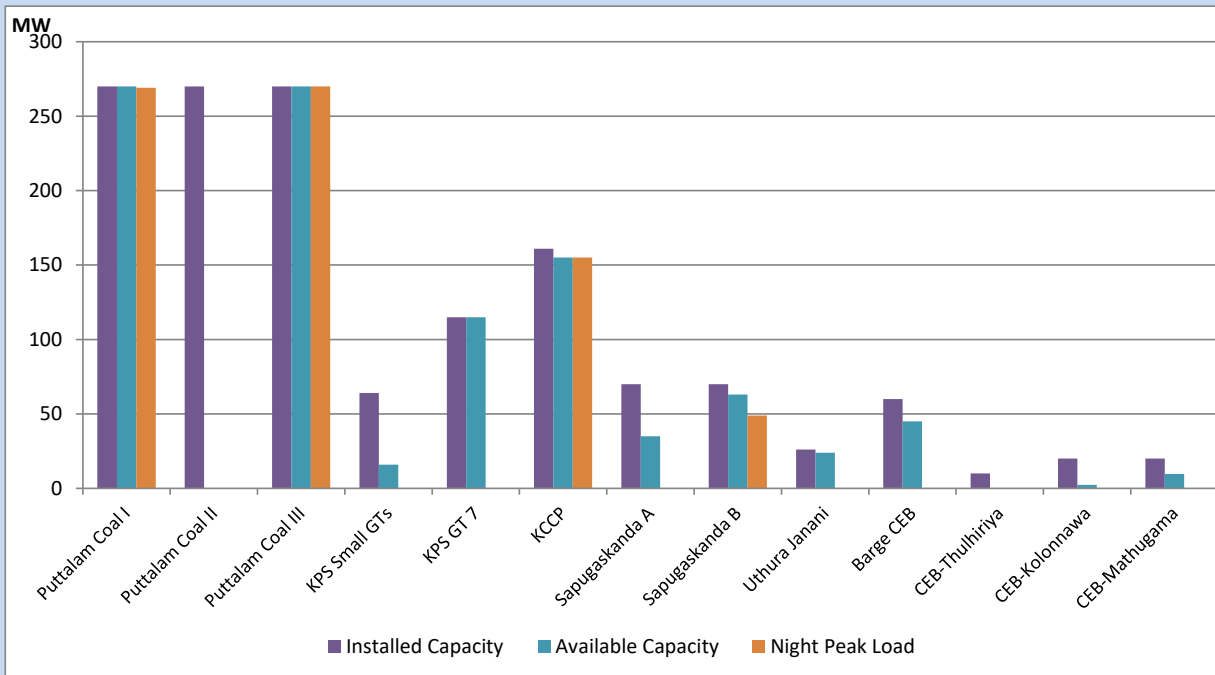
October 1, 2022



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

October 2, 2022

## CEB owned Thermal Plant Loading at the Night Peak



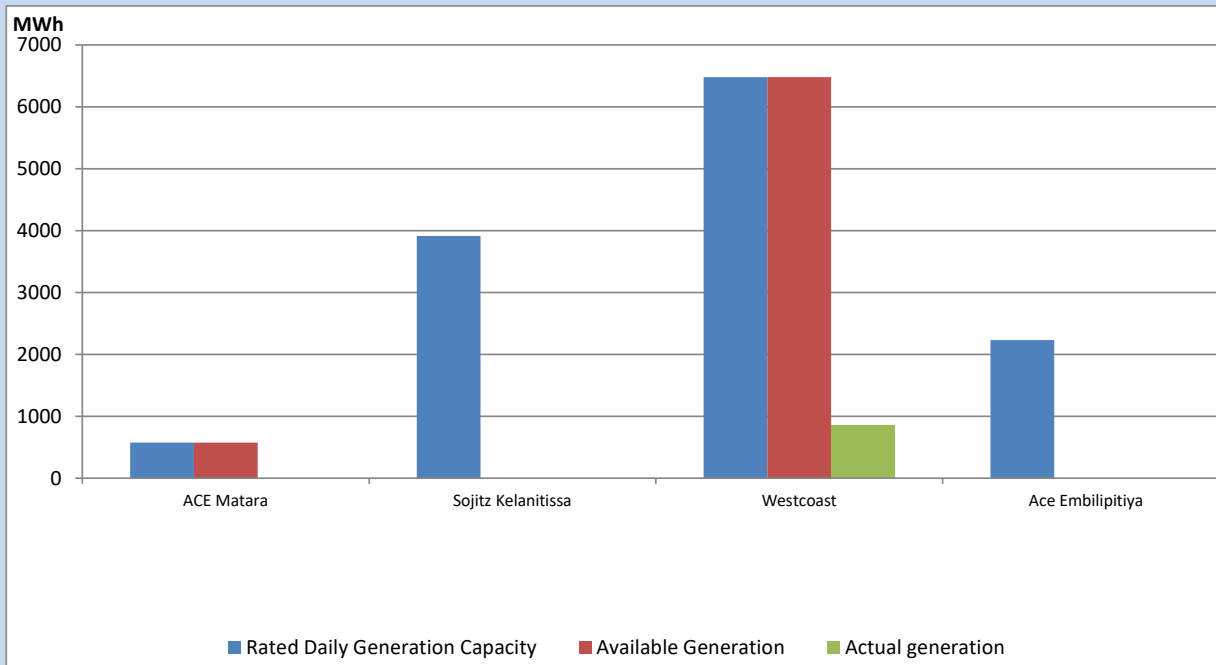
Note- Plant availability is recorded at 6.00 am on

October 2, 2022

## IPP owned Thermal Plant Dispatch

October 1, 2022

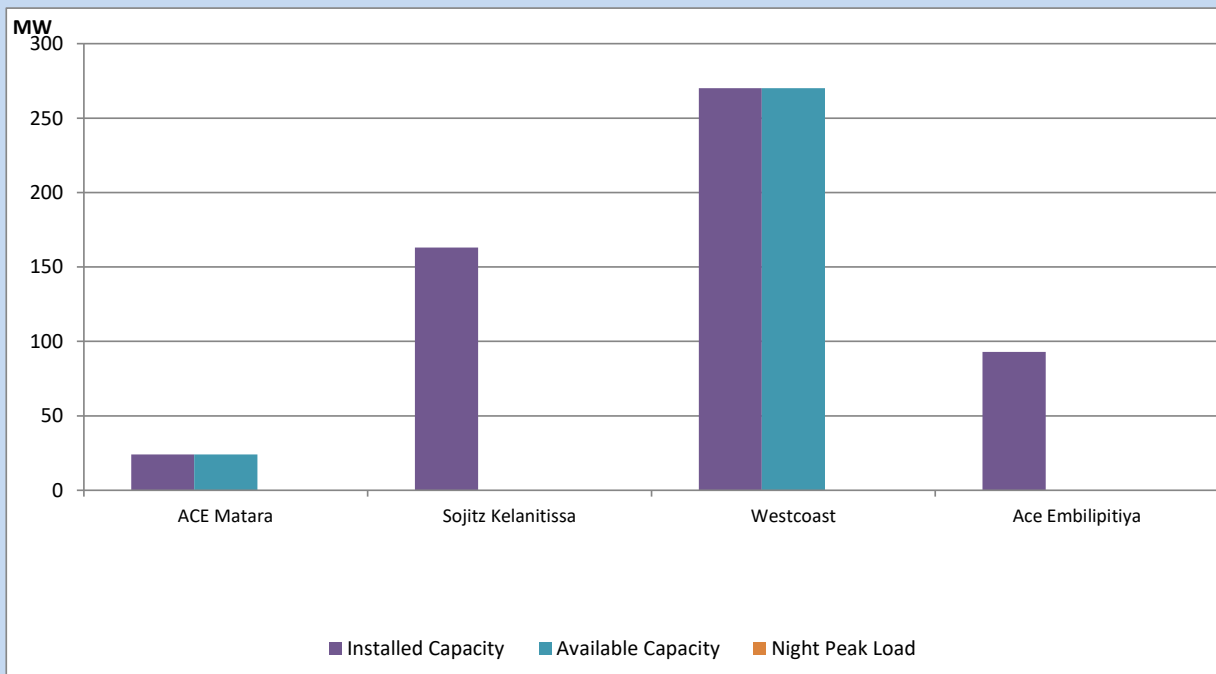
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

October 2, 2022

## IPP owned Thermal Plant Loading at the Night Peak

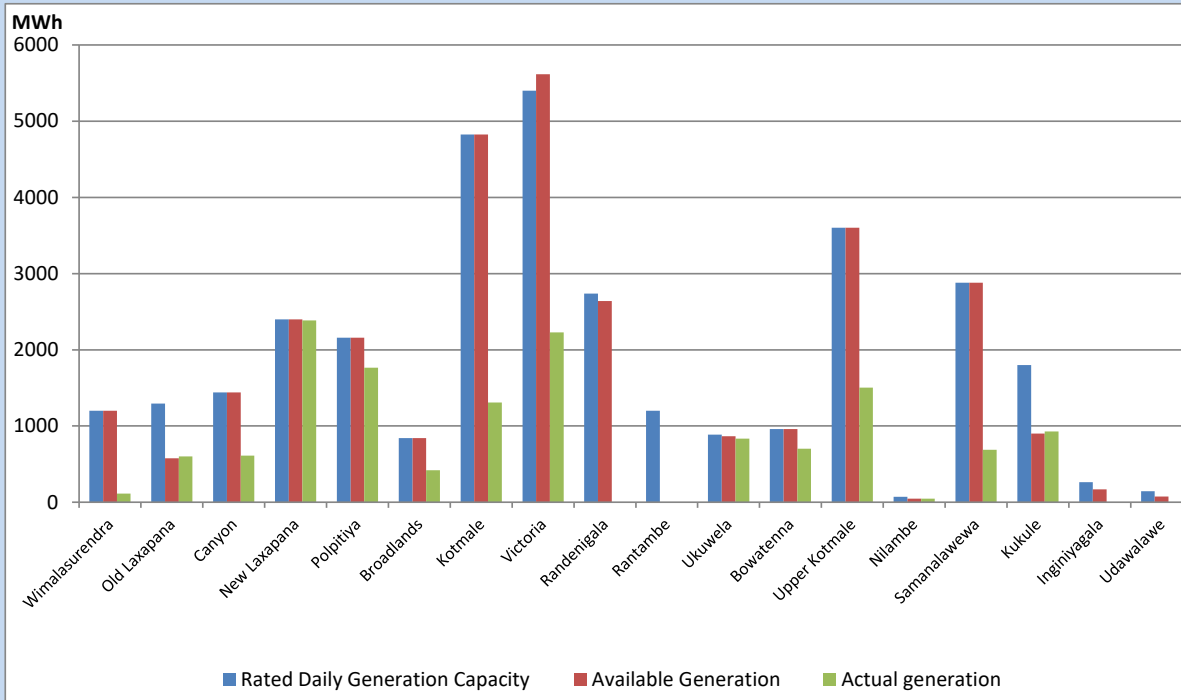


Note- Plant availability is recorded at 6.00 am on

October 2, 2022

## Major Hydro Plant Dispatch

October 1, 2022

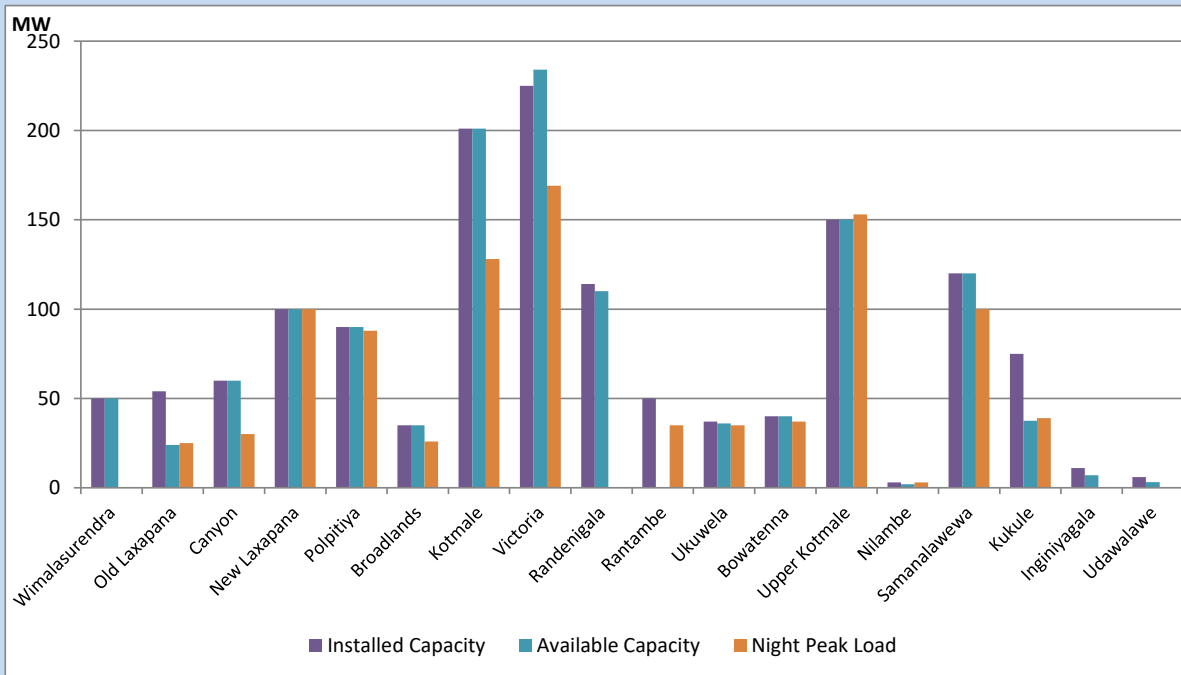


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

October 2, 2022

## Major Hydro Plant Loading at Night Peak

October 1, 2022



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

October 2, 2022

## Summary of Major Plant performance

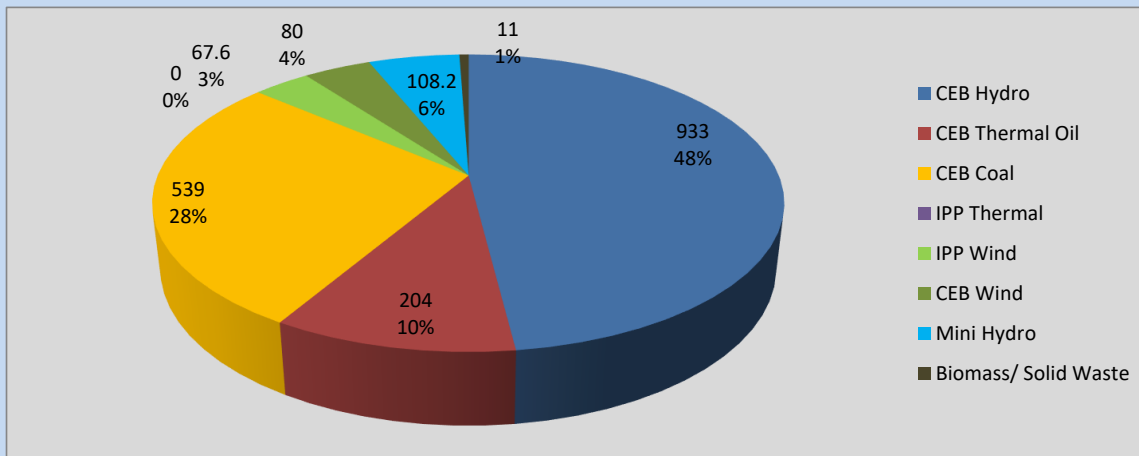
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	0	113
Old Laxapana	54	24	25	600
Canyon	60	60	30	610
New Laxapana	100	100	100	2,386
Polpitiya	90	90	88	1,764
Broadlands	35	35	26	421
Kotmale	201	201	128	1,310
Victoria	225	234	169	2,228
Randenigala	114	110	0	0
Rantambe	50	0	35	0
Ukuwela	37	36	35	836
Bowatenna	40	40	37	702
Upper Kotmale	150	150	153	1,504
Nilambe	3	2	3	47
Samanalawewa	120	120	100	688
Kukule	75	38	39	929
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	269	6,381
Puttalam Coal II	270	0	0	0
Puttalam Coal III	270	270	270	3,769
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	155	155	3,452
Sapugaskanda A	70	35	0	389
Sapugaskanda B	70	63	49	996
Uthura Janani	26	24	0	0
Barge CEB	60	45	0	20
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	2	0	0
CEB-Mathugama	20	10	0	0
ACE Matara	24	24	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	0	853
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,599</b>	<b>1,978</b>	<b>37,295</b>

Plant availability is the availability recorded at 6 am on

October 2, 2022

## Contribution to the Night Peak in MW

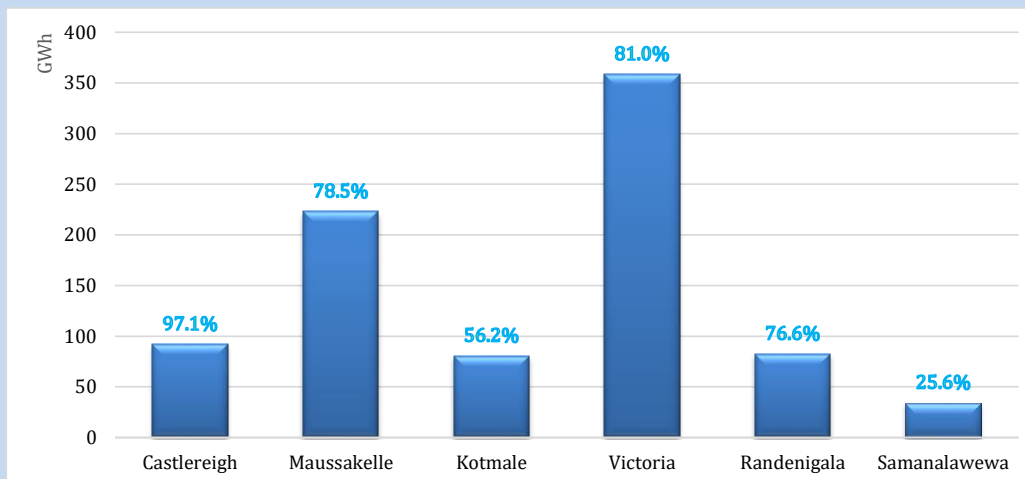
October 1, 2022



Night Peak*	1,942.6 MW
Day Peak	1,536.2 MW
Minimum Demand	1,238.5 MW

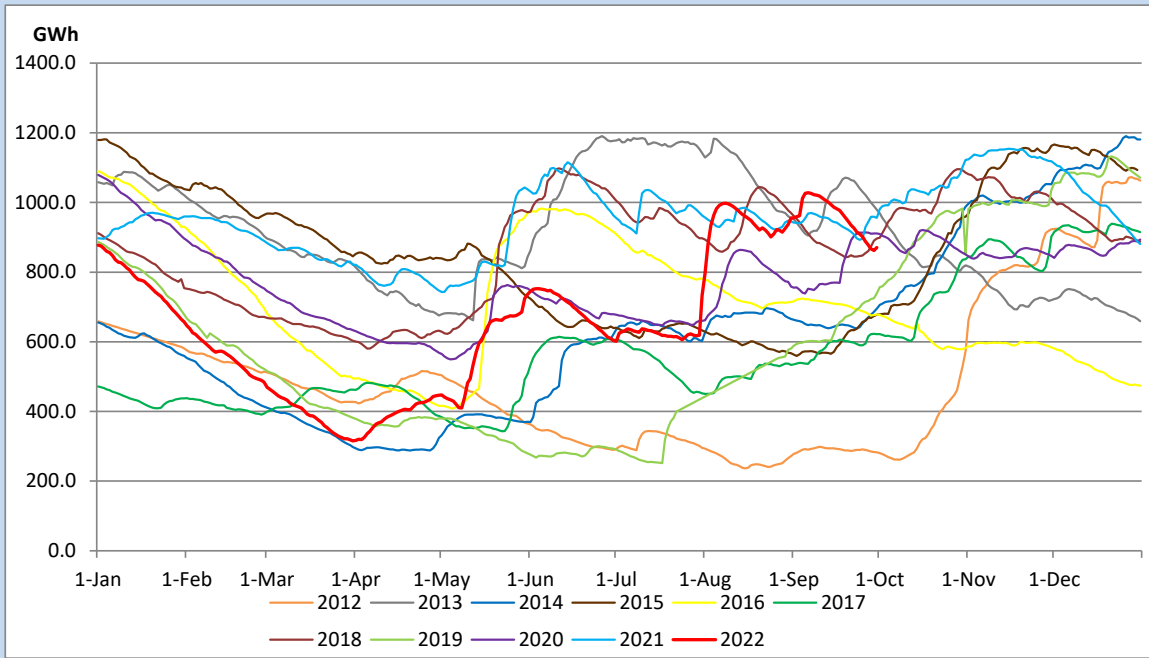
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on October 2, 2022

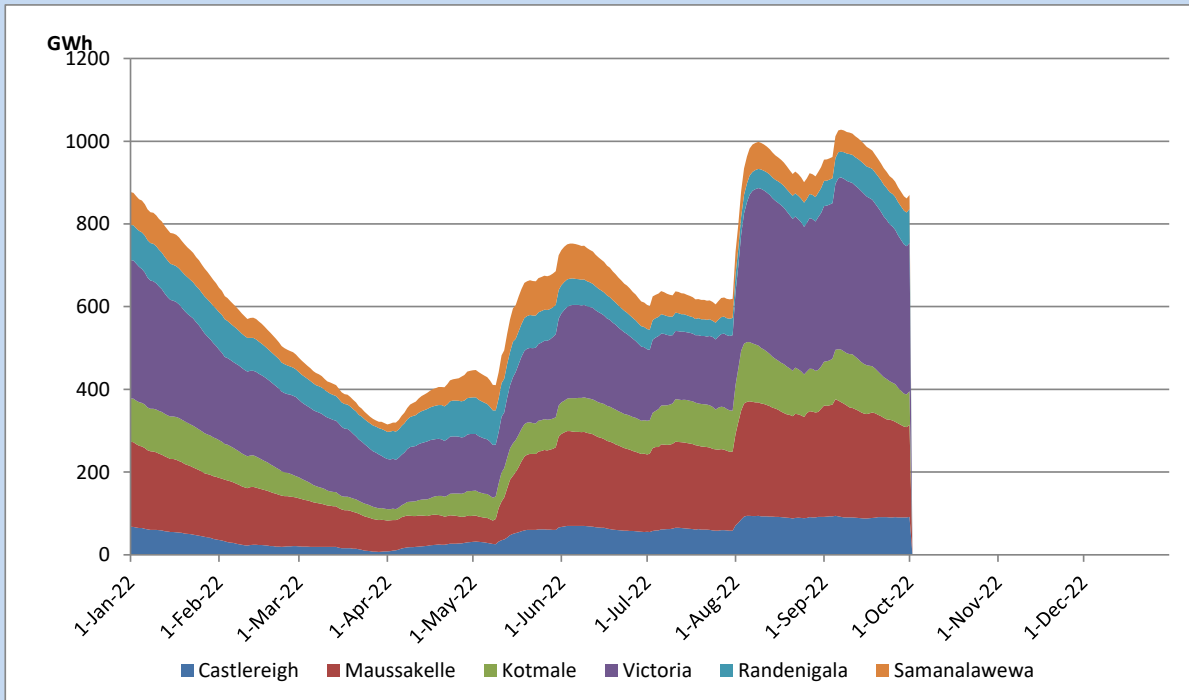


Total Reservoir Level	870.2 GWh
% of Total capacity	72.2%

## Comparison of Total Reservoir Storage Levels with Past Years

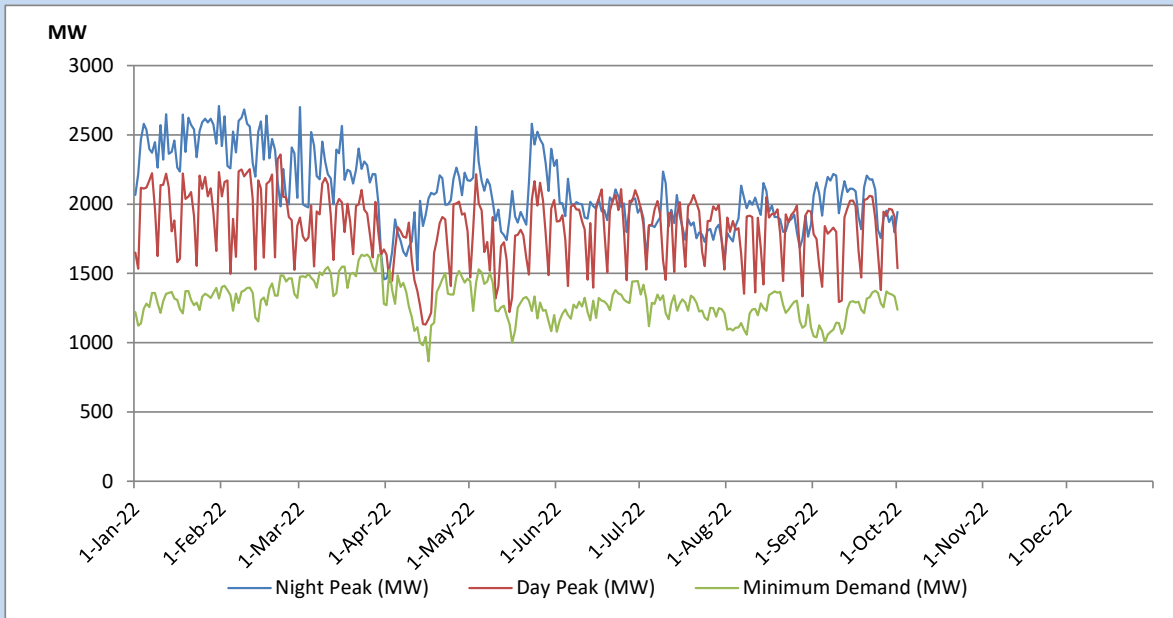


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

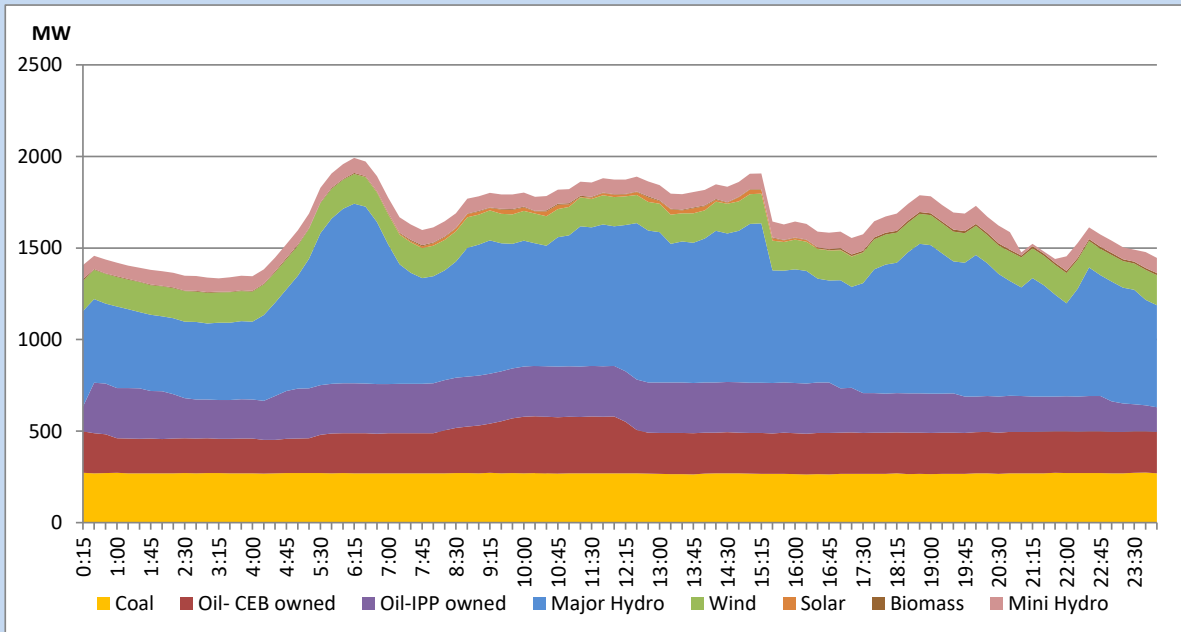


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

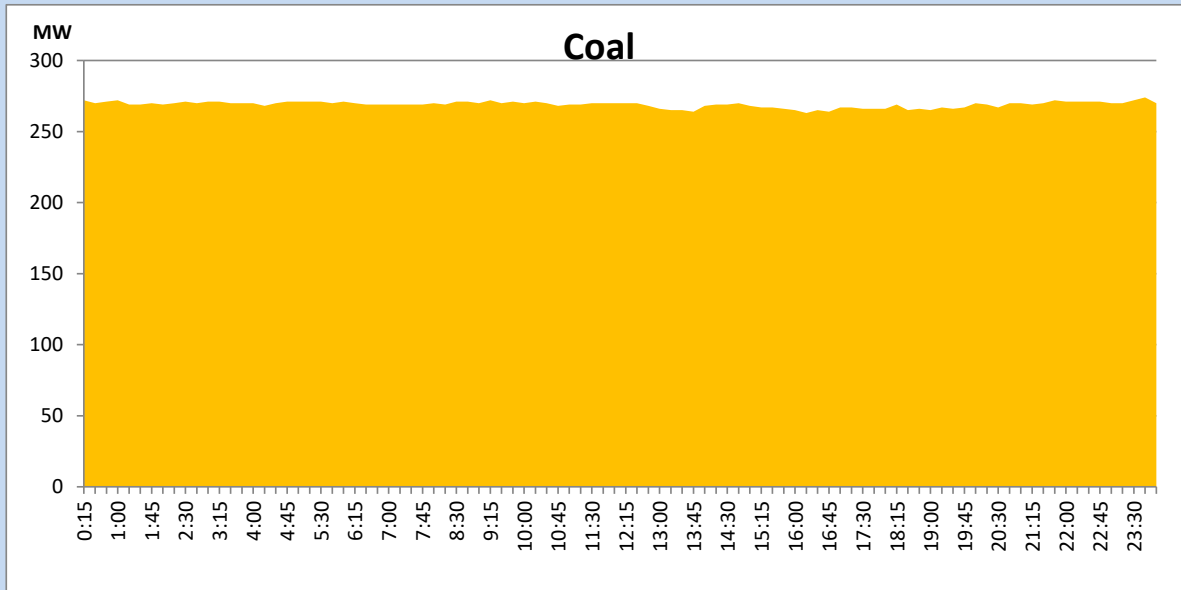
September 30, 2022

Solar and wind data is based on Telemetered Power Stations only



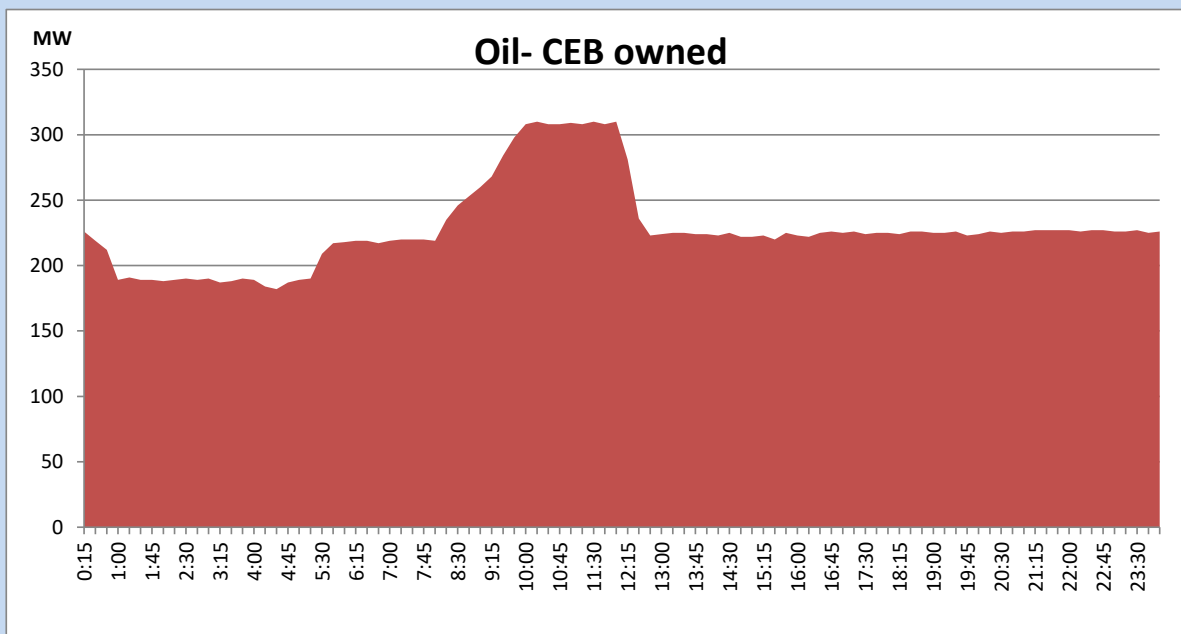
## Coal Generation during the Previous day

September 30, 2022



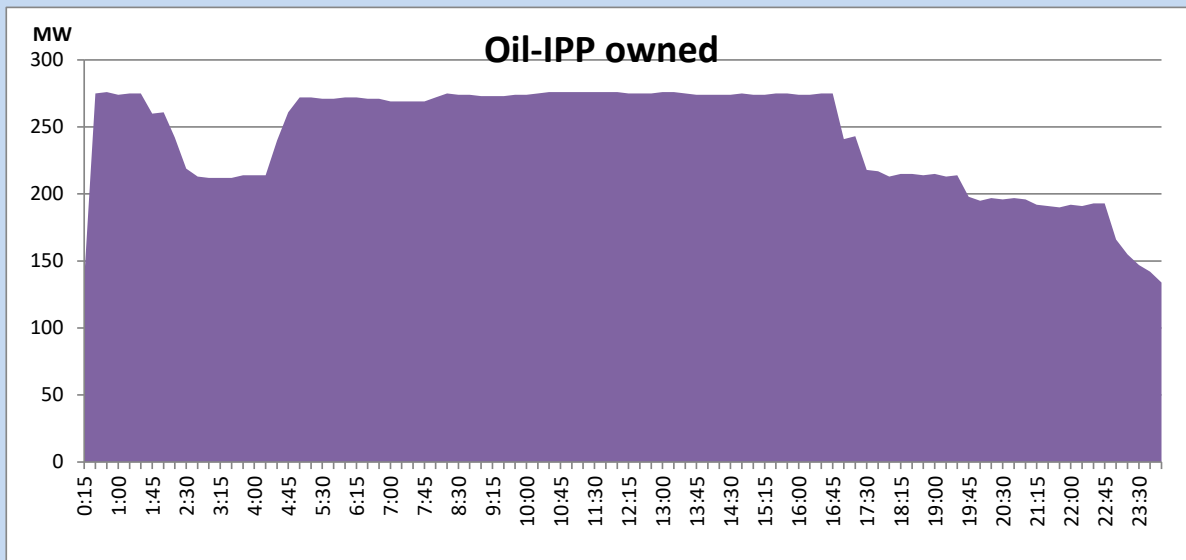
## CEB Oil Plant Generation during the Previous day

September 30, 2022



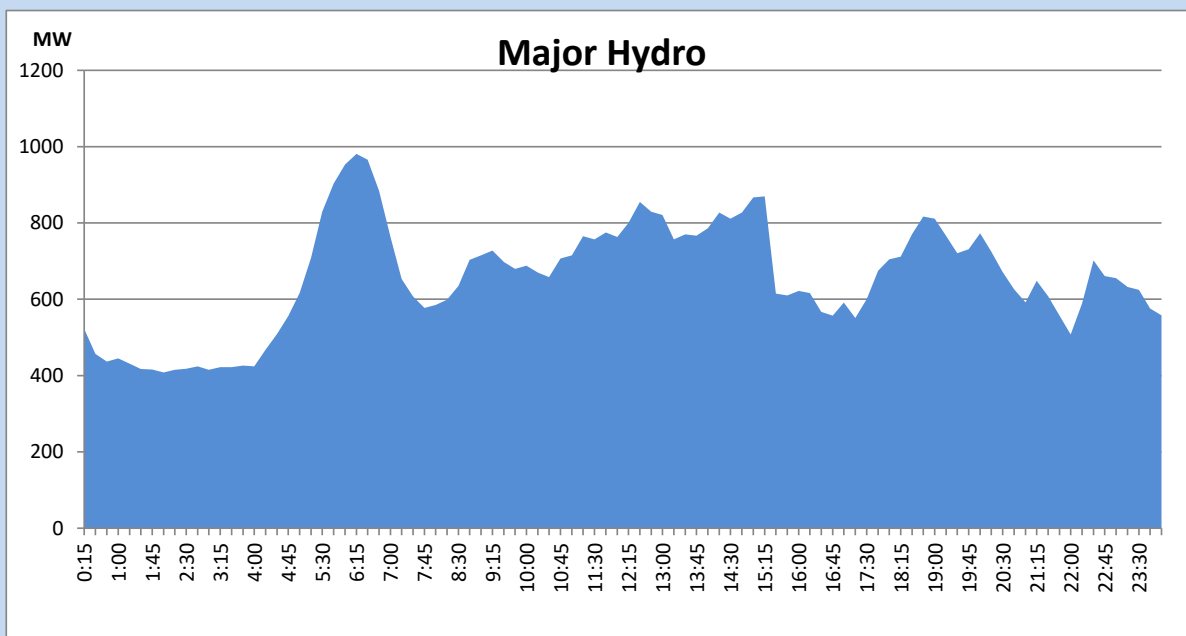
## IPP Oil Plant Generation during the Previous day

September 30, 2022



## Major Hydro Generation during the Previous day

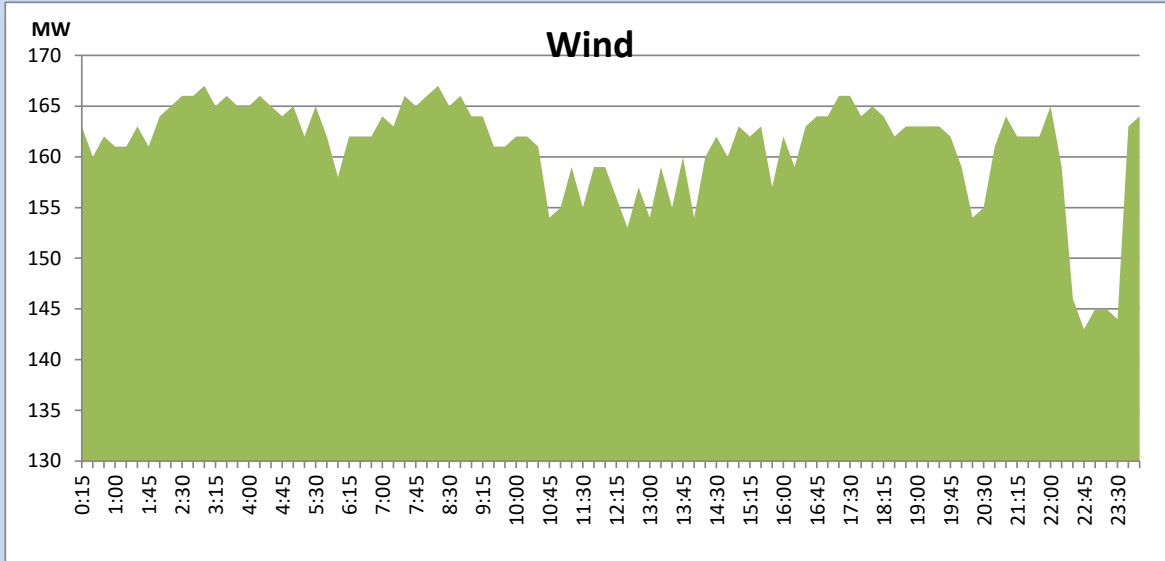
September 30, 2022



## Wind Generation during the Previous day

September 30, 2022

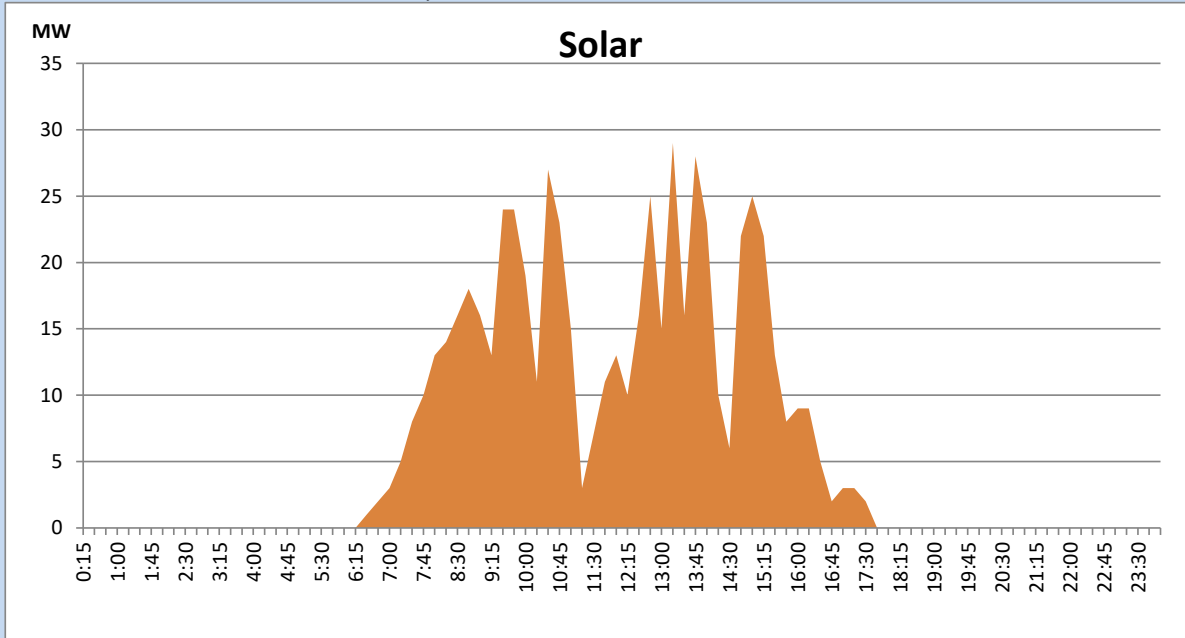
Based on Telemetered Power Stations only



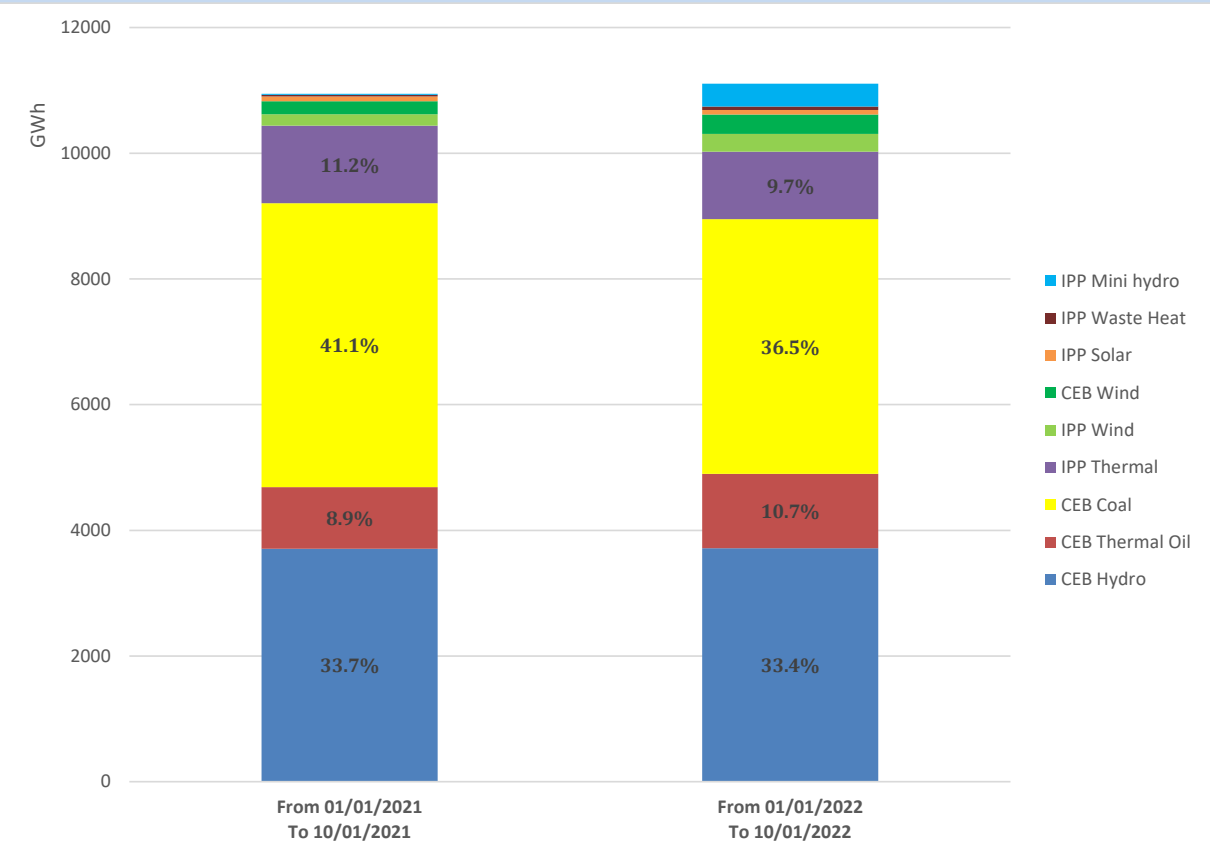
## Solar Generation during the Previous day

September 30, 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

October 2, 2022

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) Kukule pond spilling started at 6:30hrs and continues to present hour.
- 3) Kilinochchi - Chunnakam cct 01 tripped at 22:16hrs from both ends due to operation of Earth fault protection. Kilinochchi - Chunnakum cct 01 is yet to be restored.