

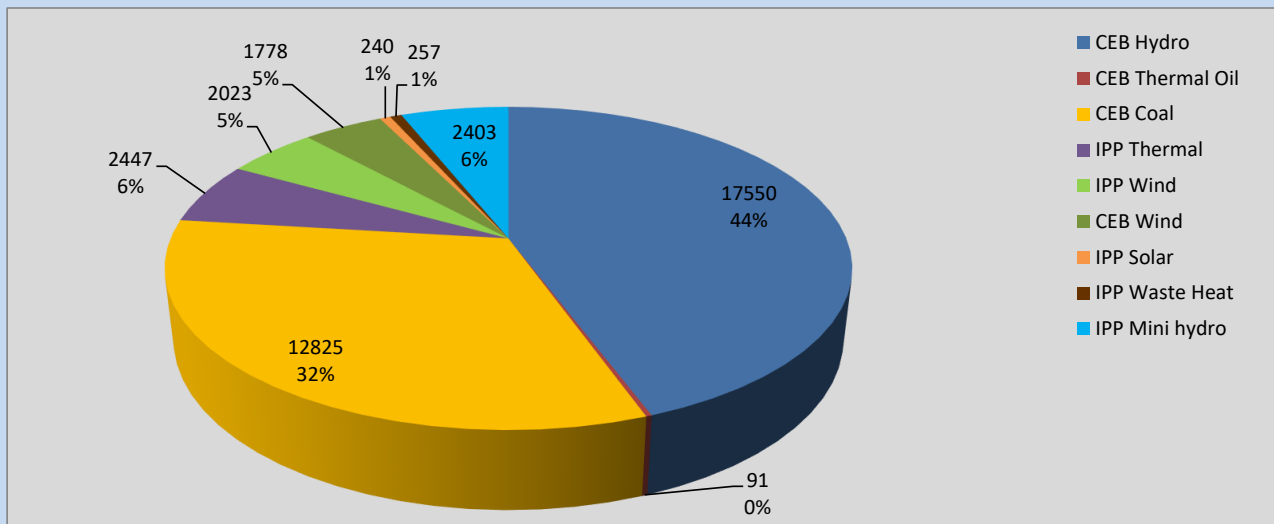
# Generation and Reservoirs Statistics

May 18, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **39,614 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

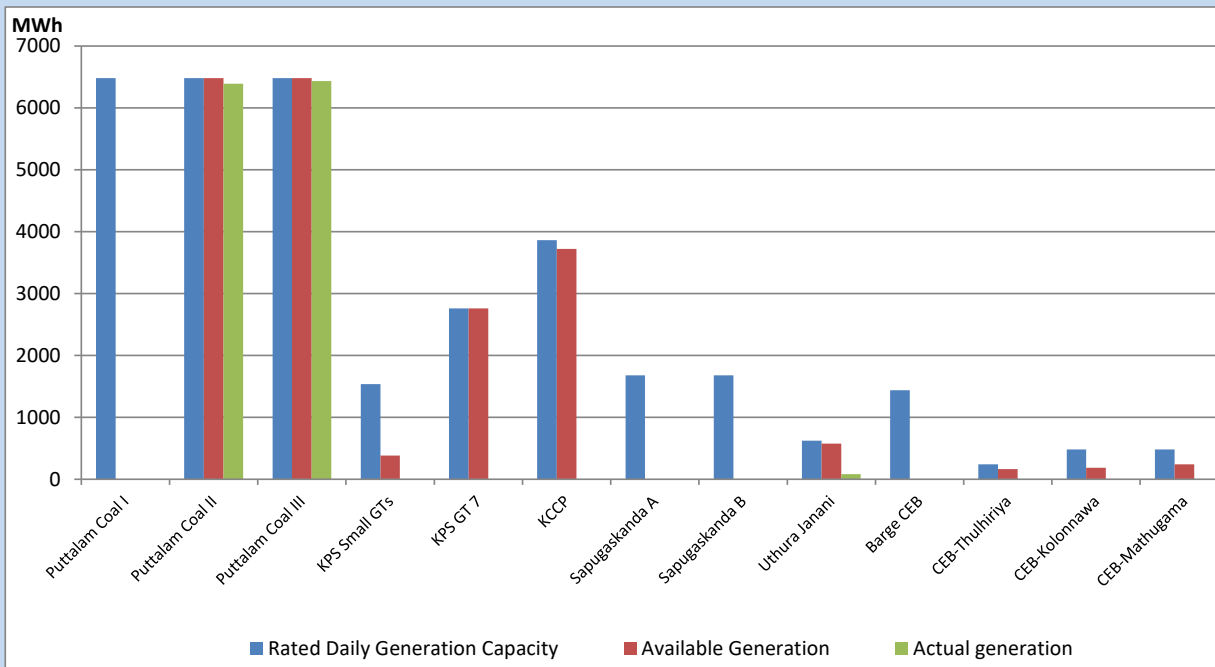
Category	Dispatch (GWh)	Percentage
CEB Hydro	240.61	34.14%
CEB Thermal Oil	68.47	9.71%
CEB Coal	236.39	33.54%
IPP Thermal	67.19	9.53%
SPP Wind	25.64	3.64%
CEB Wind	26.50	3.76%
SPP Solar	4.24	0.60%
SPP Solid Waste	4.72	0.67%
Mini Hydro	31.03	4.40%
<b>Total</b>	<b>704.79</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,388.9	24.11%
CEB Thermal Oil	854.0	14.82%
CEB Coal	2,356.7	40.91%
IPP Thermal	795.5	13.81%
SPP Wind	76.6	1.33%
CEB Wind	92.2	1.60%
SPP Solar	35.5	0.62%
SPP Solid Waste	28.5	0.50%
Mini Hydro	133.1	2.31%
<b>Total</b>	<b>5,760.7</b>	

## CEB owned Thermal Plant Dispatch

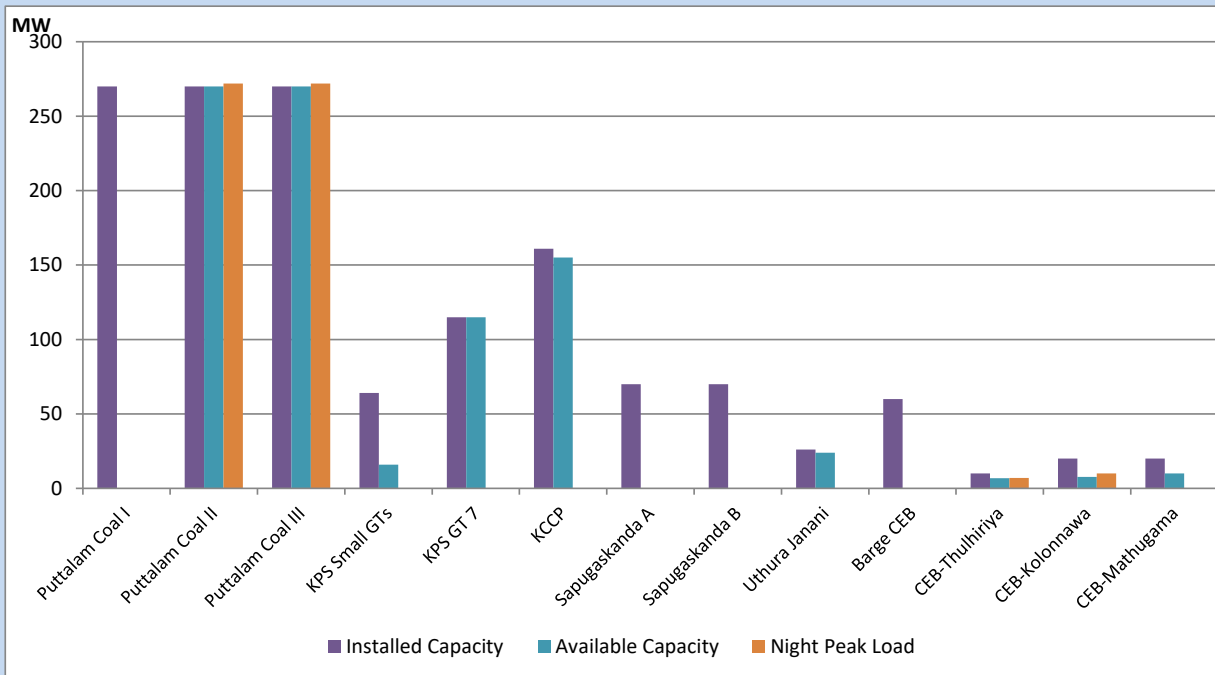
May 18, 2022



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

May 19, 2022

## CEB owned Thermal Plant Loading at the Night Peak



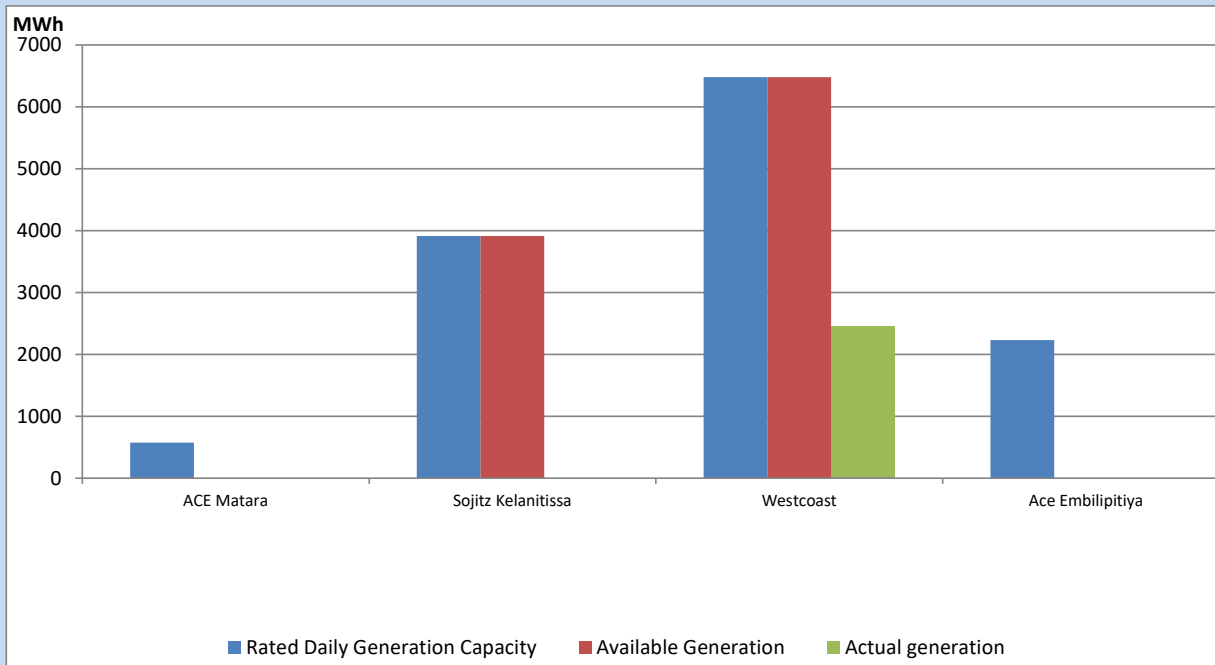
Note- Plant availability is recorded at 6.00 am on

May 19, 2022

## IPP owned Thermal Plant Dispatch

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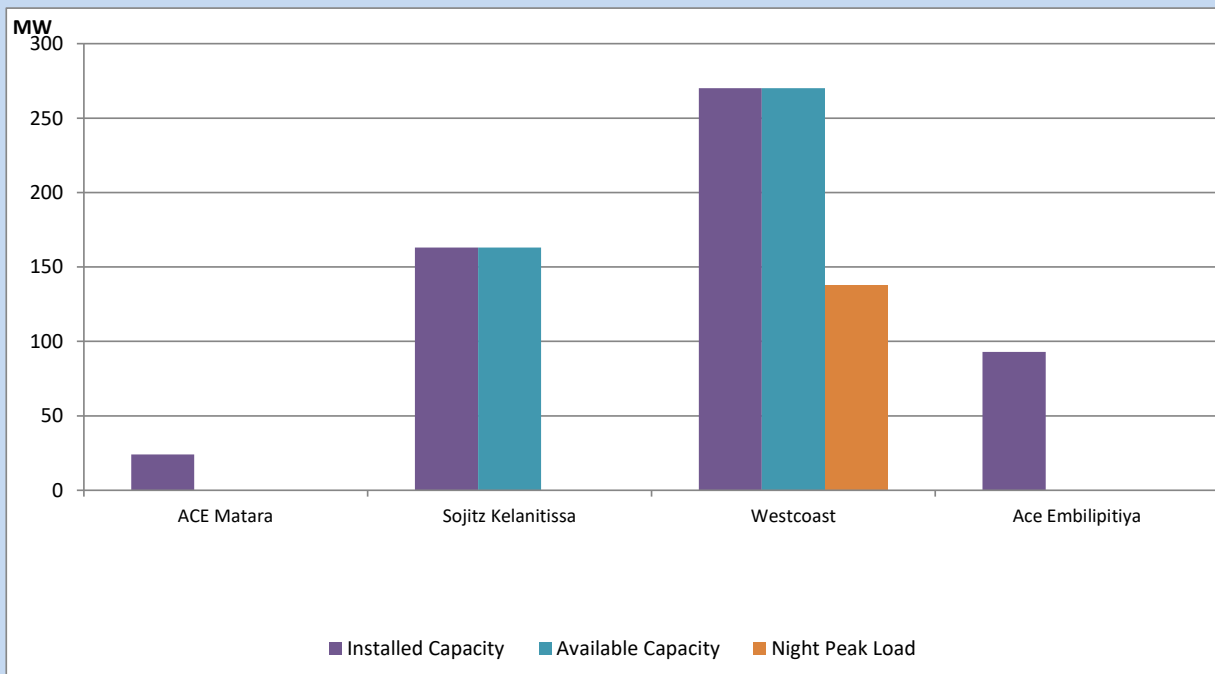
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 19, 2022

## IPP owned Thermal Plant Loading at the Night Peak

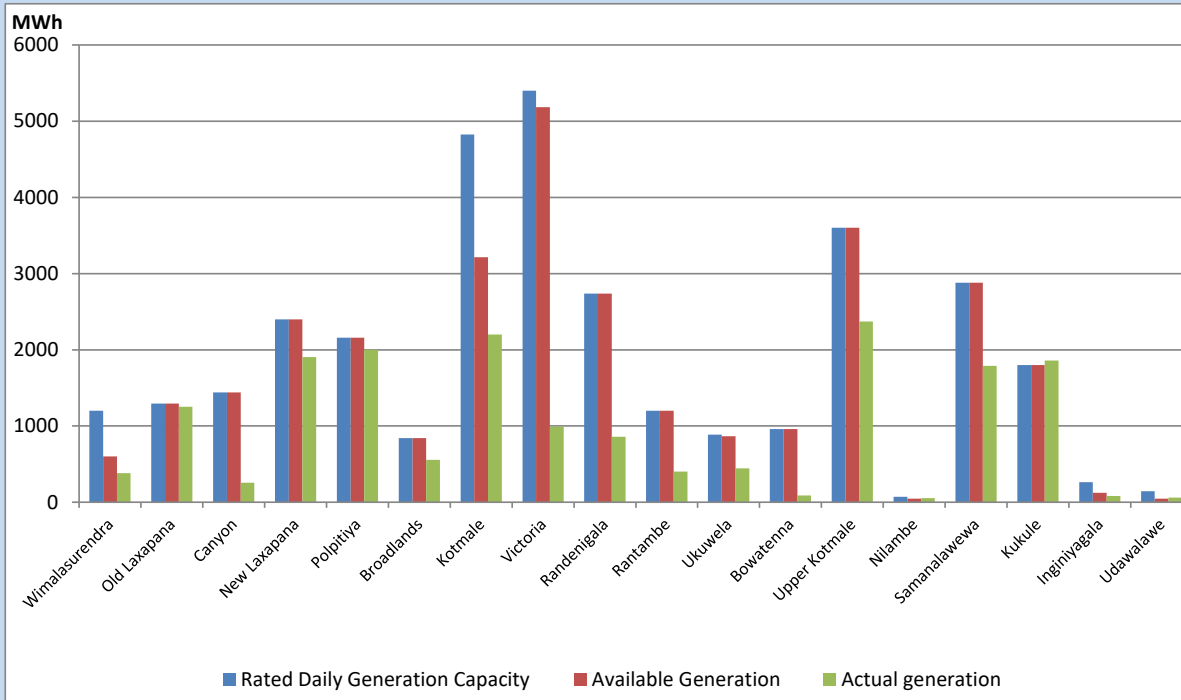


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

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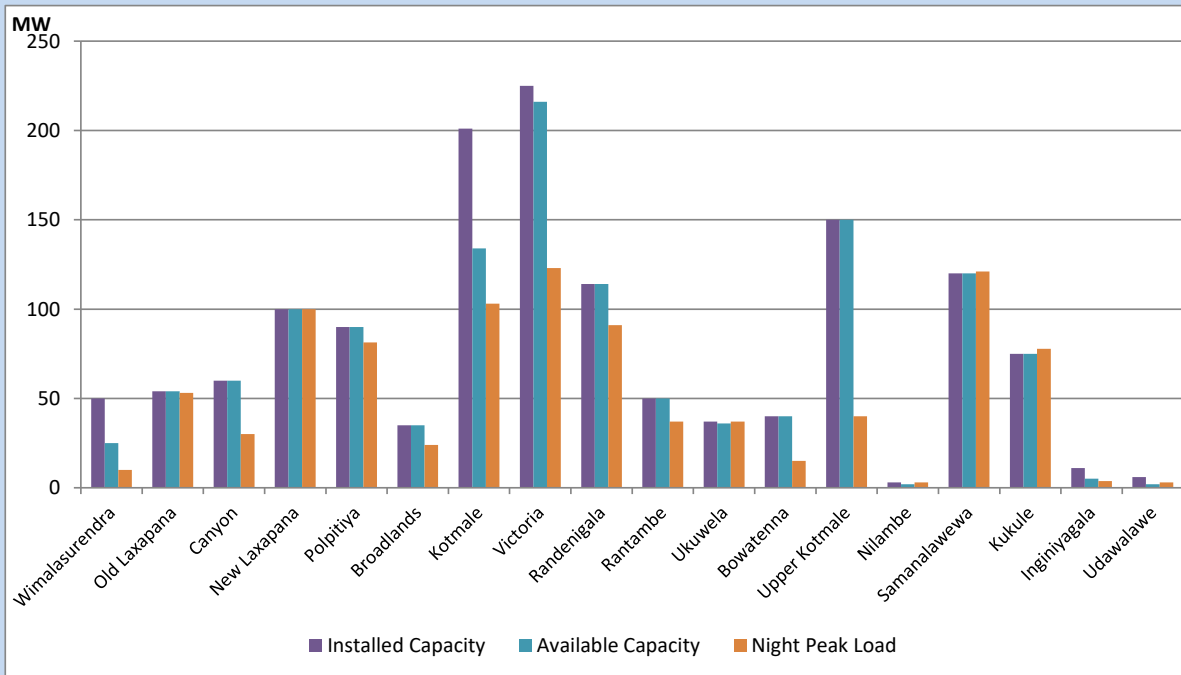


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 19, 2022

## Major Hydro Plant Loading at Night Peak

May 18, 2022



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

May 19, 2022

## Summary of Major Plant performance

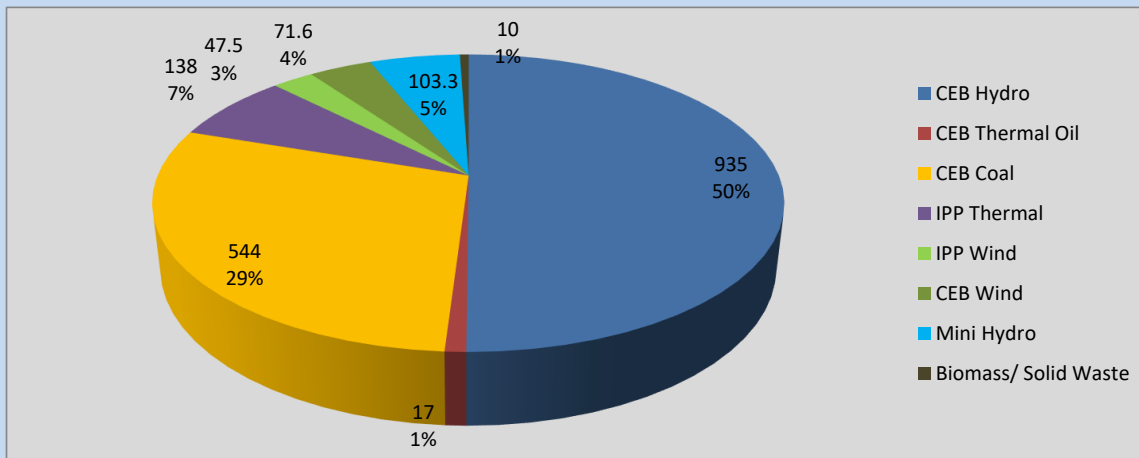
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	380
Old Laxapana	54	54	53	1,252
Canyon	60	60	30	256
New Laxapana	100	100	100	1,903
Polpitiya	90	90	81	2,001
Broadlands	35	35	24	557
Kotmale	201	134	103	2,200
Victoria	225	216	123	992
Randenigala	114	114	91	858
Rantambe	50	50	37	402
Ukuwela	37	36	37	443
Bowatenna	40	40	15	90
Upper Kotmale	150	150	40	2,373
Nilambe	3	2	3	52
Samanalawewa	120	120	121	1,791
Kukule	75	75	78	1,858
Inginiyagala	11	5	4	83
Udawalawe	6	2	3	59
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	272	6,390
Puttalam Coal III	270	270	272	6,435
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	24	0	83
Barge CEB	60	0	0	0
CEB-Thulhiriya	10	7	7	3
CEB-Kolonnawa	20	8	10	5
CEB-Mathugama	20	10	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	163	0	0
West Coast	270	270	138	2,447
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,616</b>	<b>1,884</b>	<b>39,614</b>

Plant availability is the availability recorded at 6 am on

May 19, 2022

## Contribution to the Night Peak in MW

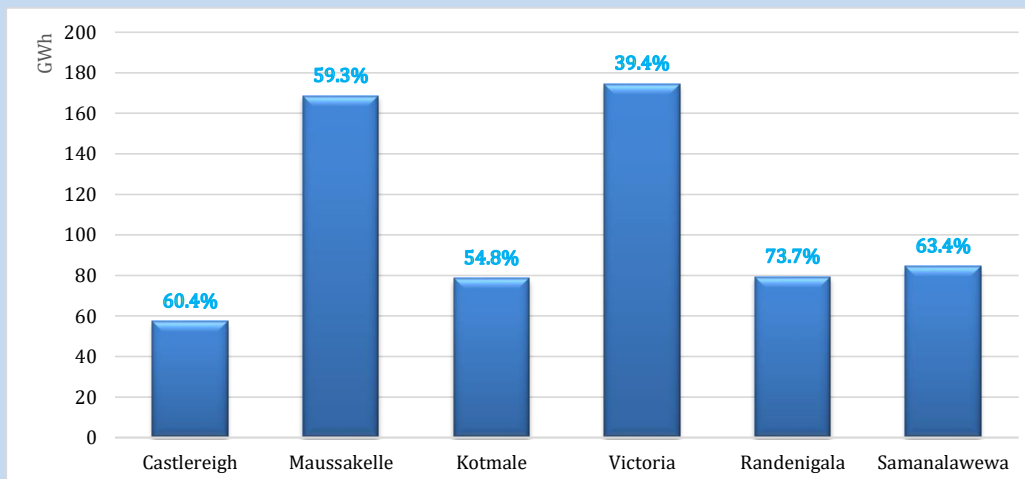
May 18, 2022



Night Peak*	1,866.4 MW
Day Peak	1,777.9 MW
Minimum Demand	1,252.6 MW

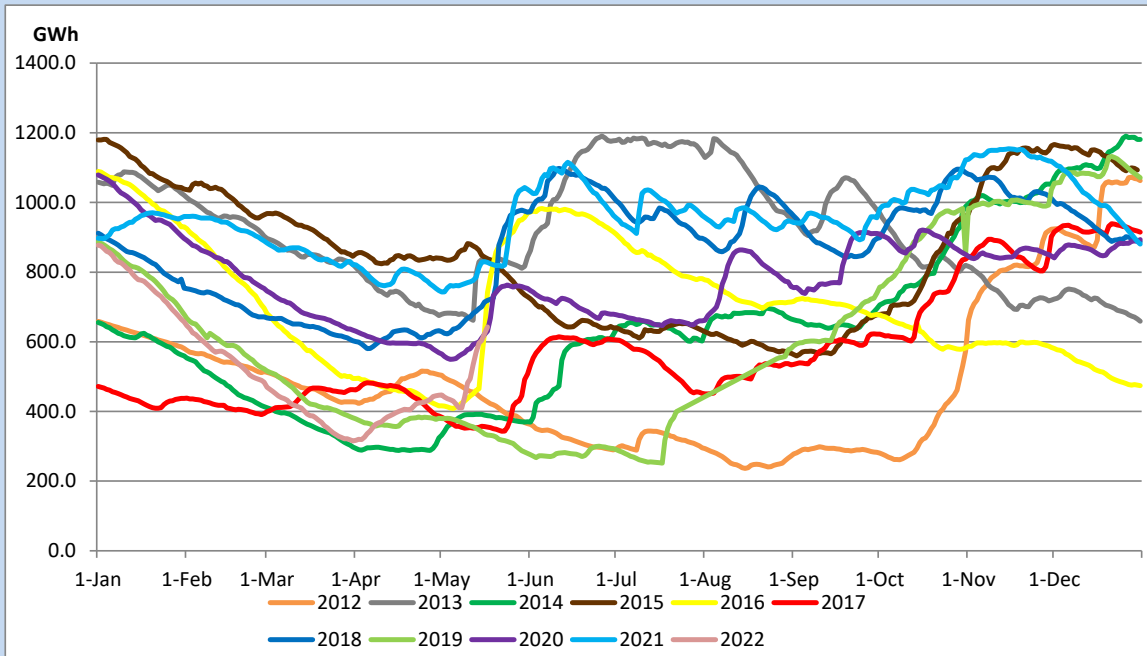
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on May 19, 2022



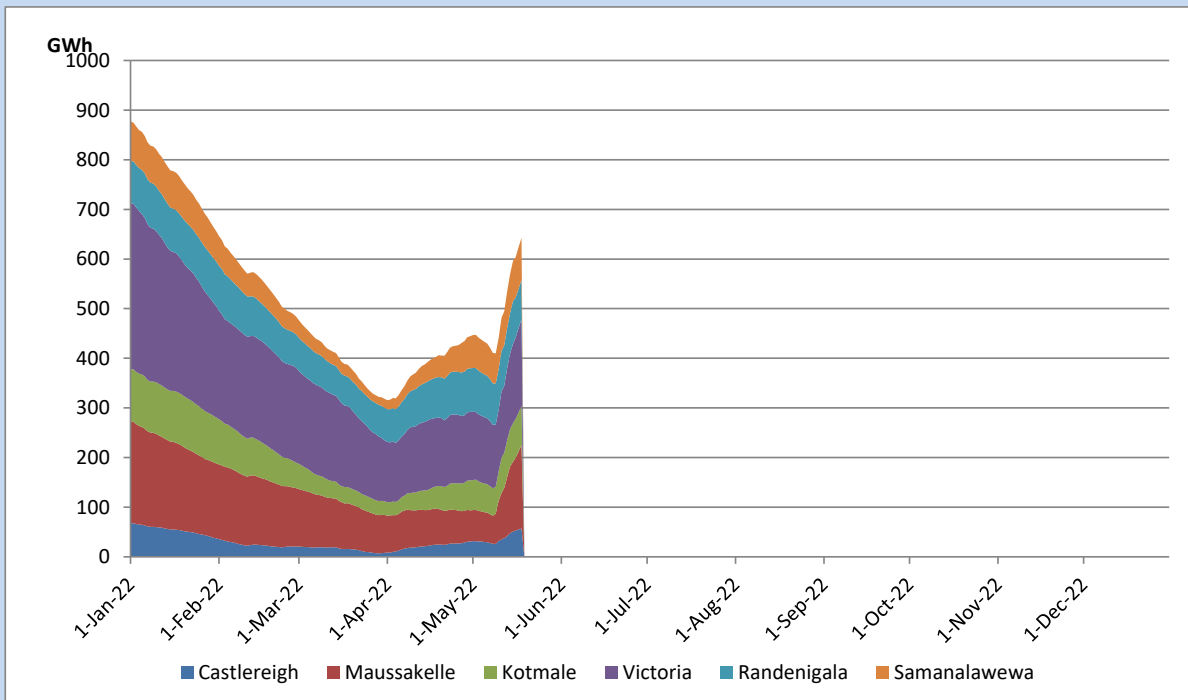
Total Reservoir Level	642.5 GWh
% of Total capacity	53.3%

## Comparison of Total Reservoir Storage Levels with Past Years



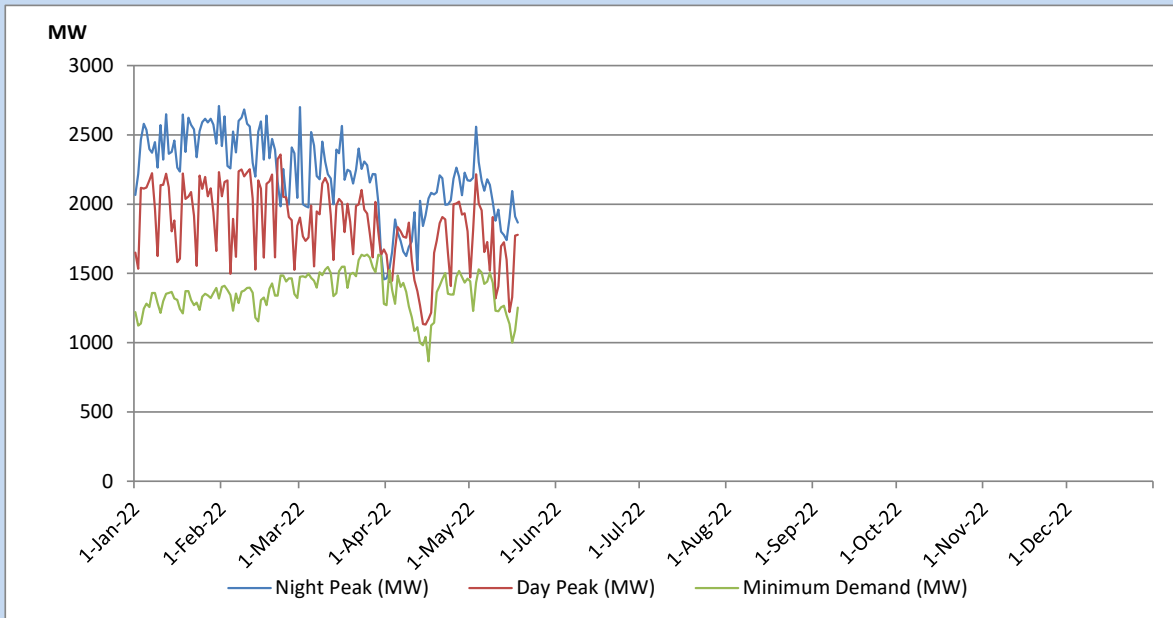
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

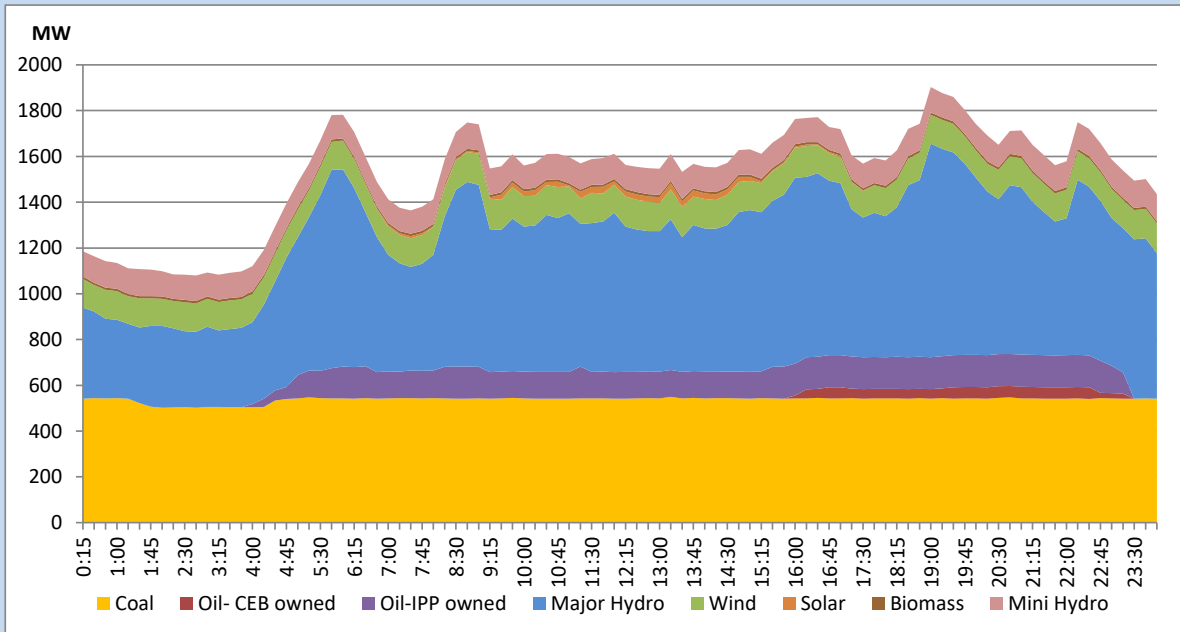


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

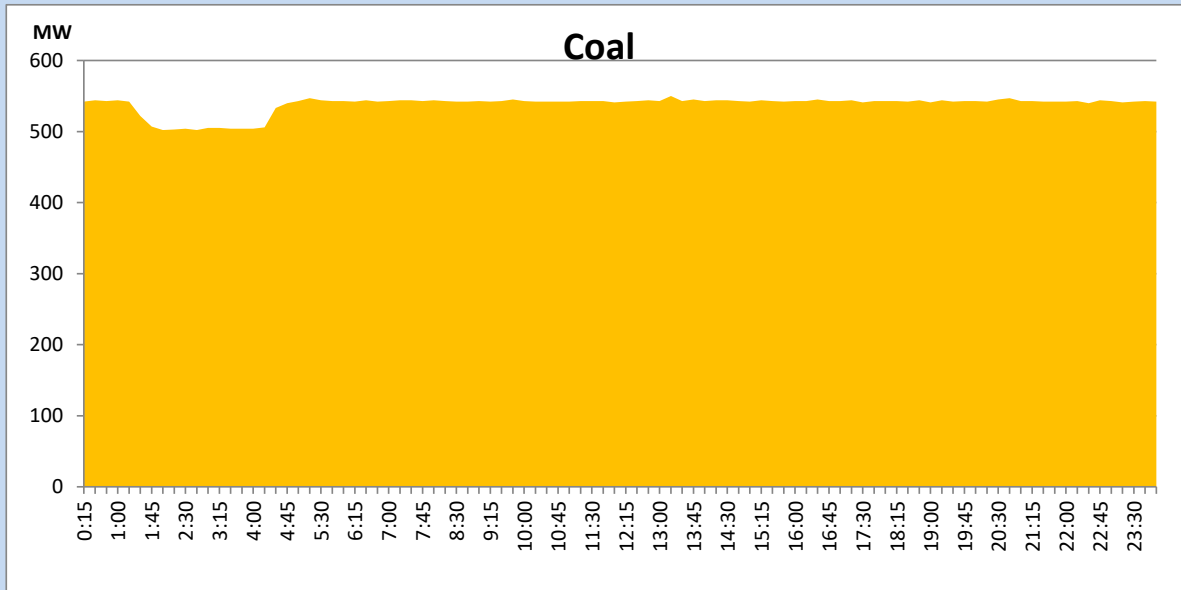
May 17, 2022

Solar and wind data is based on Telemetered Power Stations only



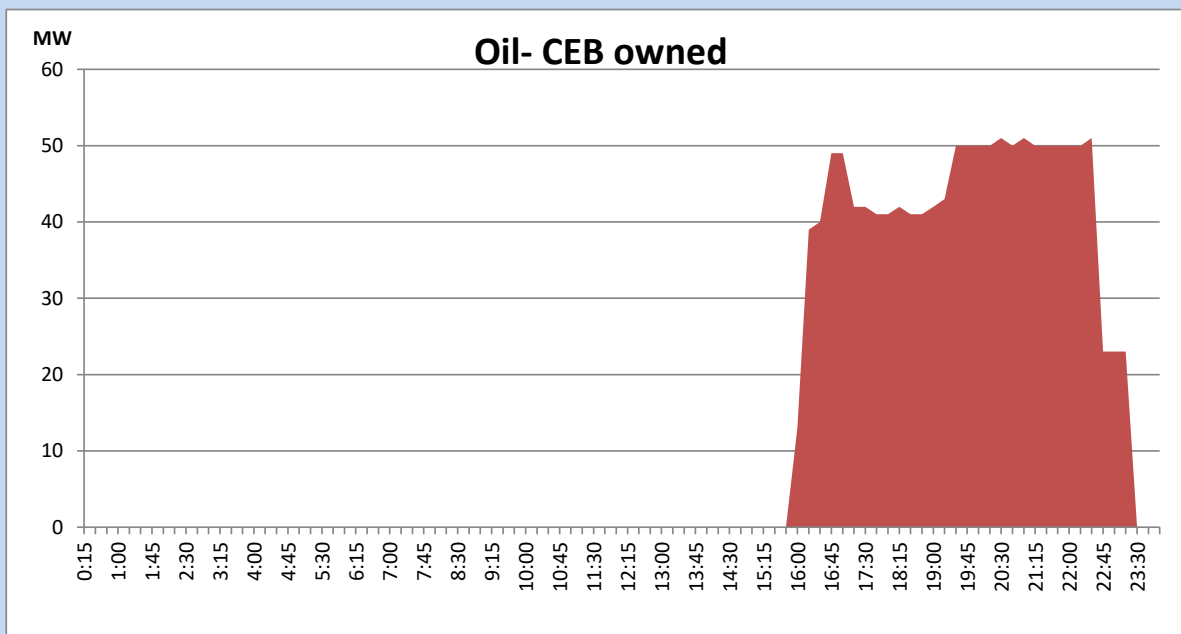
## Coal Generation during the Previous day

May 17, 2022



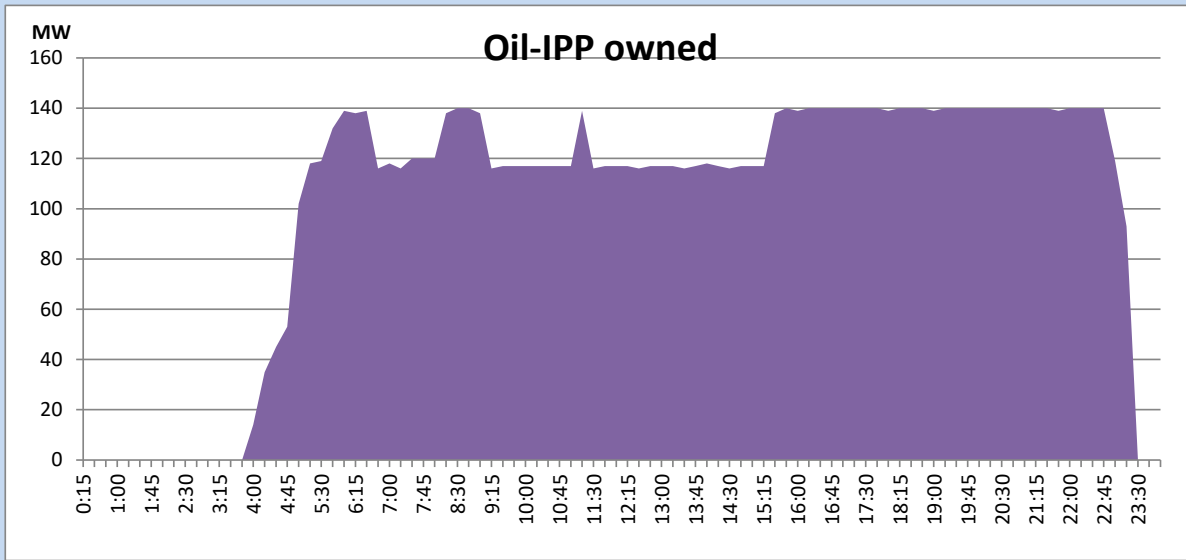
## CEB Oil Plant Generation during the Previous day

May 17, 2022



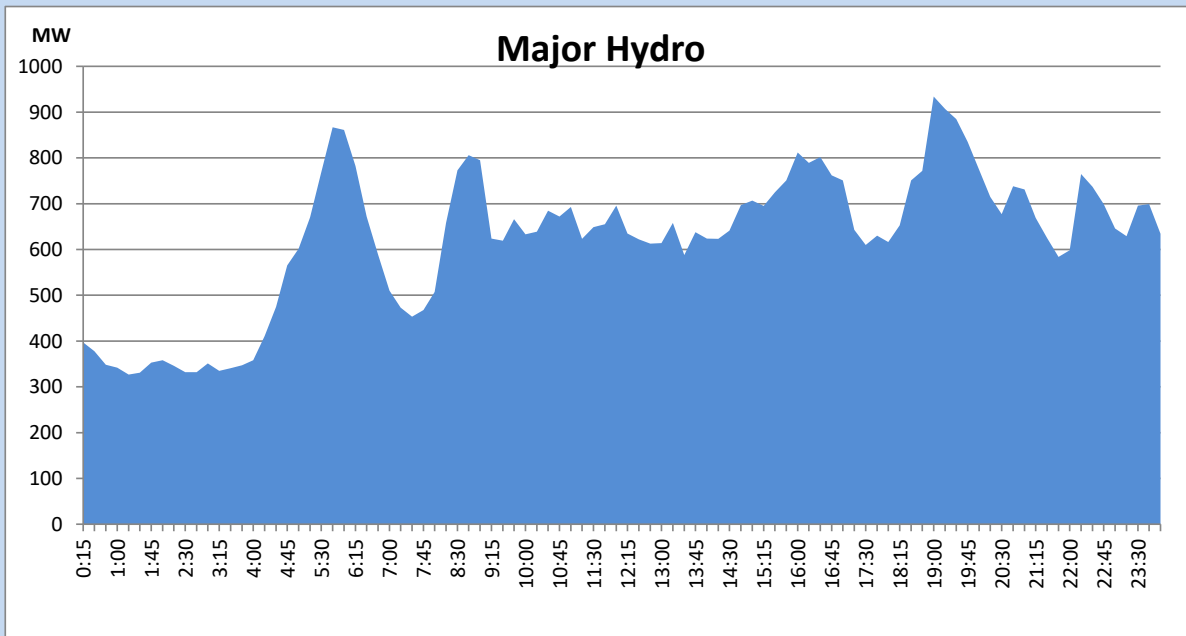
## IPP Oil Plant Generation during the Previous day

May 17, 2022



## Major Hydro Generation during the Previous day

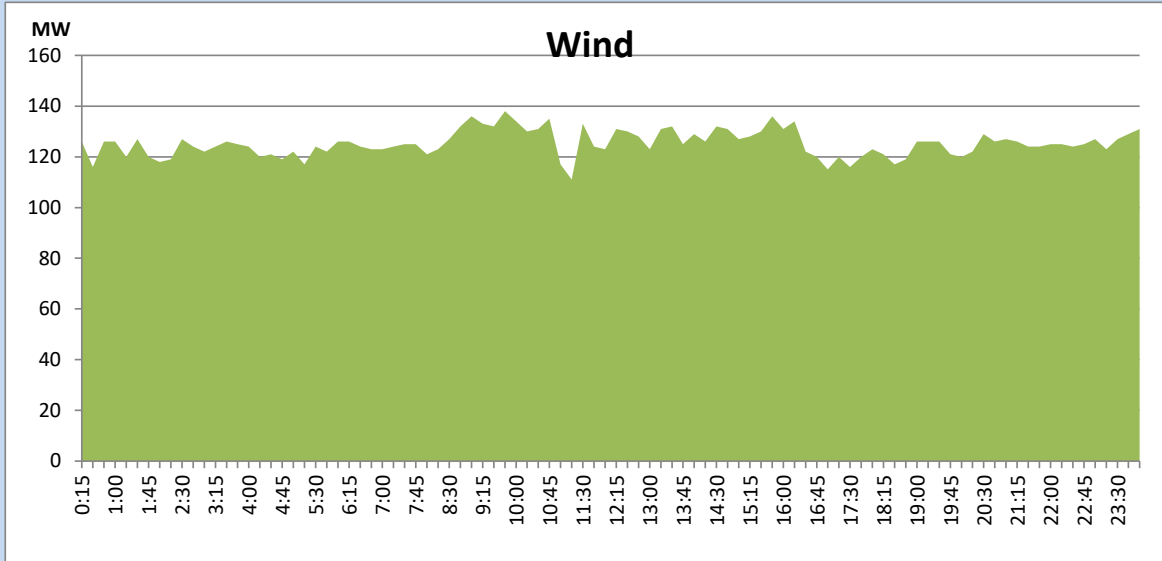
May 17, 2022



## Wind Generation during the Previous day

May 17, 2022

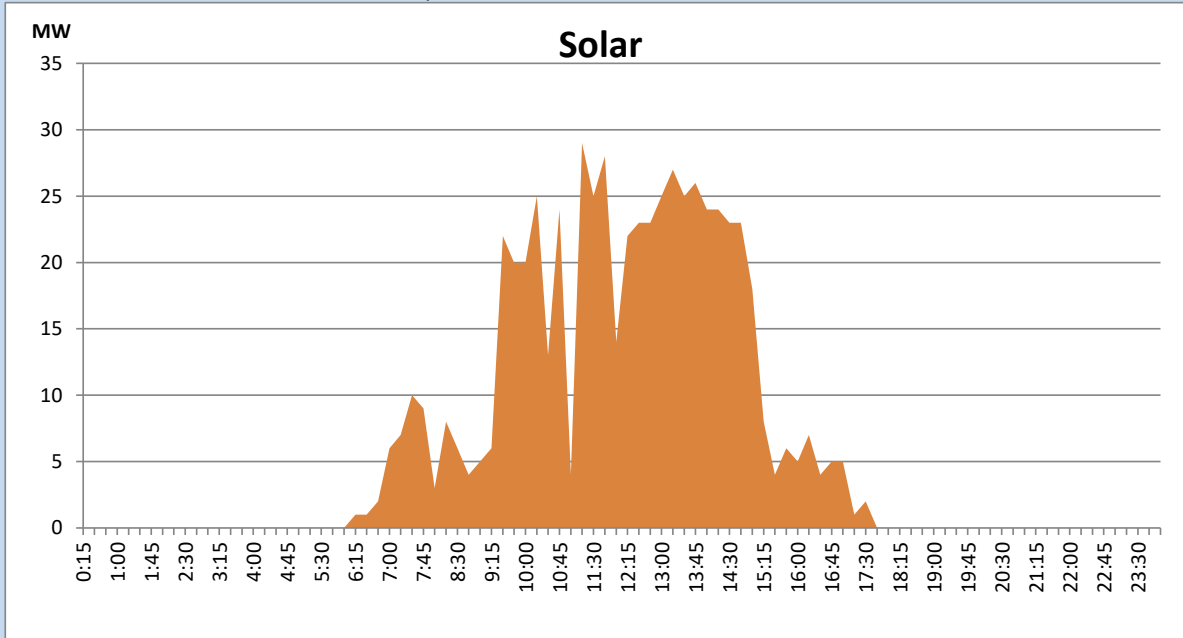
Based on Telemetered Power Stations only



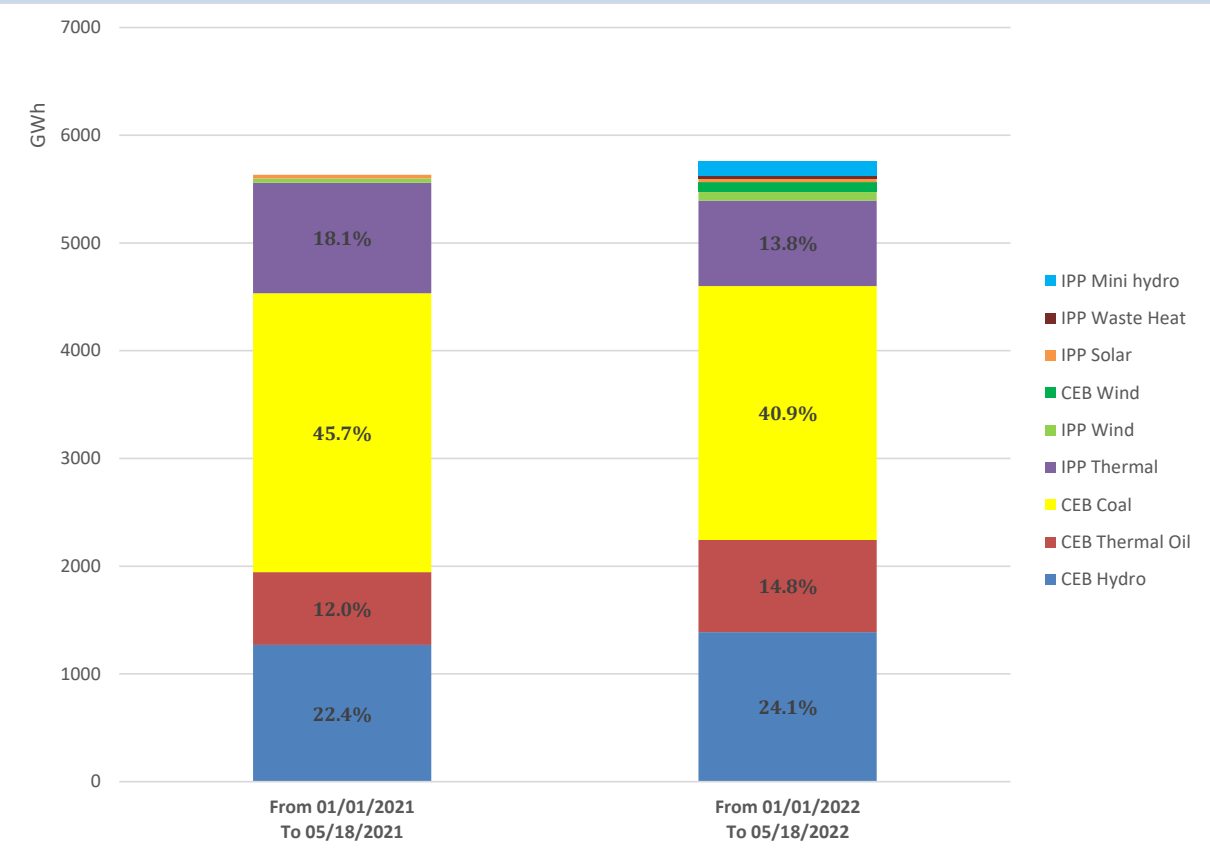
## Solar Generation during the Previous day

May 17, 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	Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

### Major Incidents during the day -as reported by CEB morning of

May 19, 2022

1) Rotational manual load shedding was carried out from 5:00-22:00 hrs.

2) Rantambe both 220/132kV T/Fs, Vaunativ 33kV B/S CB, Rantambe gen 02 tripped at 9:55 hrs with the indication of the O/C protection in the T/F 01 and no indications in the T/F 02 and the B/S CB causing Mahiyangana, Ampara, Vaunativ, Monaragala, Badulla and Nuwaraeliya GSs to be dead. Badulla and Nuwaraeliya GSs were normalized by 10:09 hrs through Old Laxapana-Badulla ccts while Mahiyangana, Ampara, Vaunativ and Monaragala GSs were normalized by 10:26 hrs after energizing the Rantambe 220/132kV T/F 01 at 10:21 hrs. The Vaunativ 33kV B/S CB and the Rantambe 220/132kV T/F 02 were normalized at 10:33 hrs and 11:38 hrs respectively. Rantambe resumed generation at 10:32 hrs.