

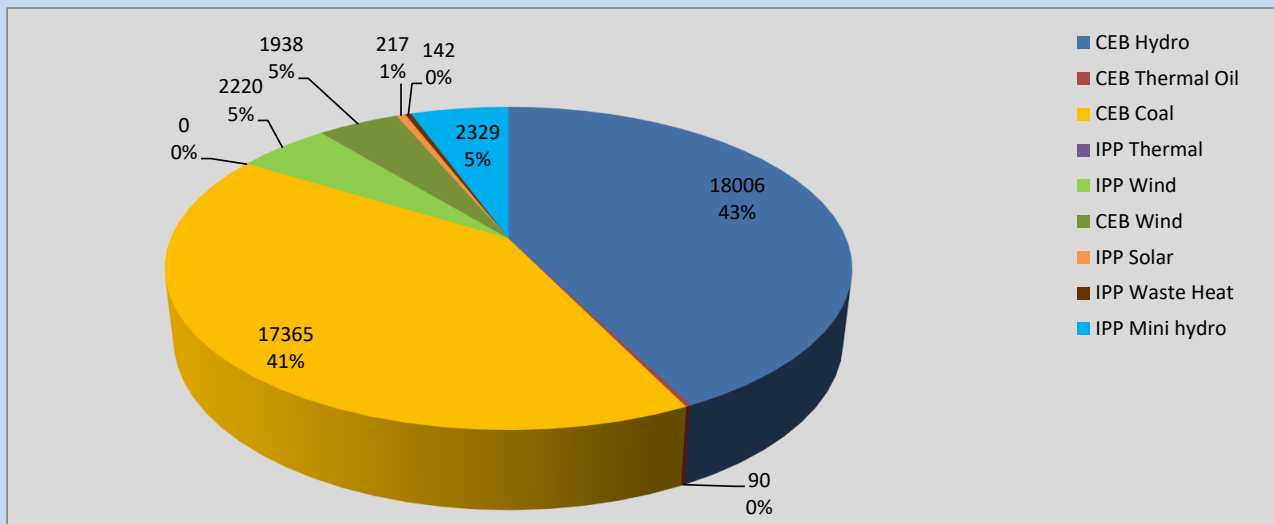
# Generation and Reservoirs Statistics

May 31, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **42,307 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

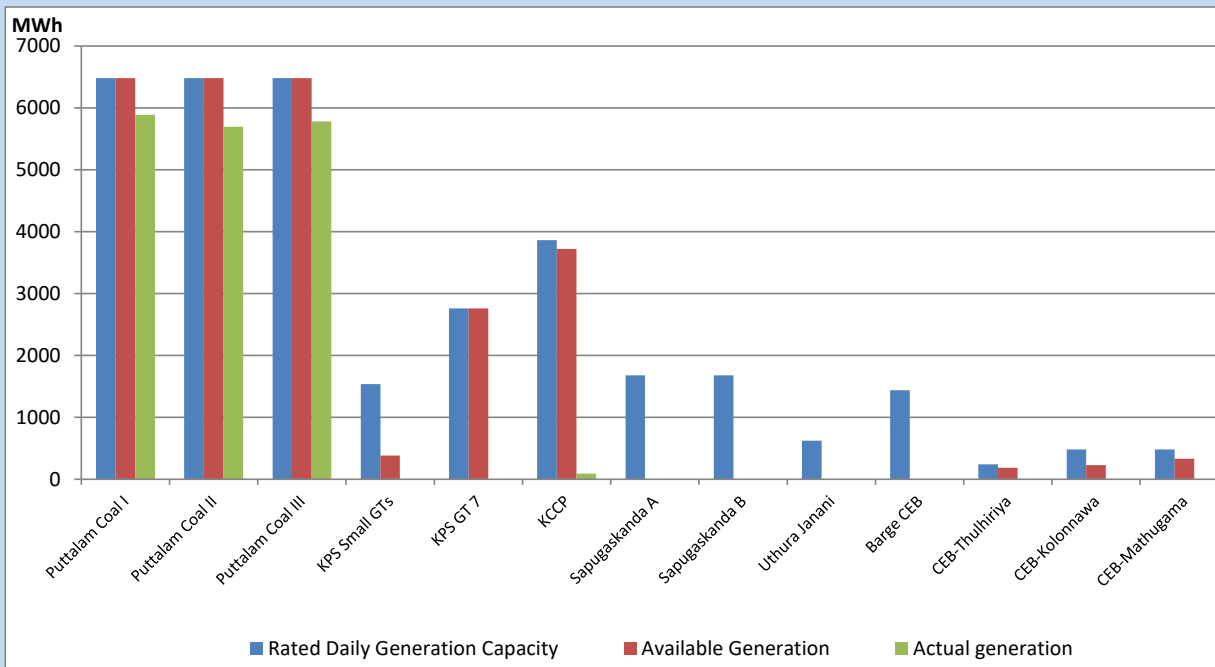
Category	Dispatch (GWh)	Percentage
CEB Hydro	460.76	37.22%
CEB Thermal Oil	72.97	5.90%
CEB Coal	445.94	36.03%
IPP Thermal	80.22	6.48%
SPP Wind	49.95	4.04%
CEB Wind	51.09	4.13%
SPP Solar	7.74	0.63%
SPP Solid Waste	7.50	0.61%
Mini Hydro	61.64	4.98%
<b>Total</b>	<b>1,237.81</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,609.0	25.57%
CEB Thermal Oil	858.5	13.64%
CEB Coal	2,566.3	40.77%
IPP Thermal	808.5	12.85%
SPP Wind	100.9	1.60%
CEB Wind	116.7	1.85%
SPP Solar	39.0	0.62%
SPP Solid Waste	31.3	0.50%
Mini Hydro	163.7	2.60%
<b>Total</b>	<b>6,293.8</b>	

## CEB owned Thermal Plant Dispatch

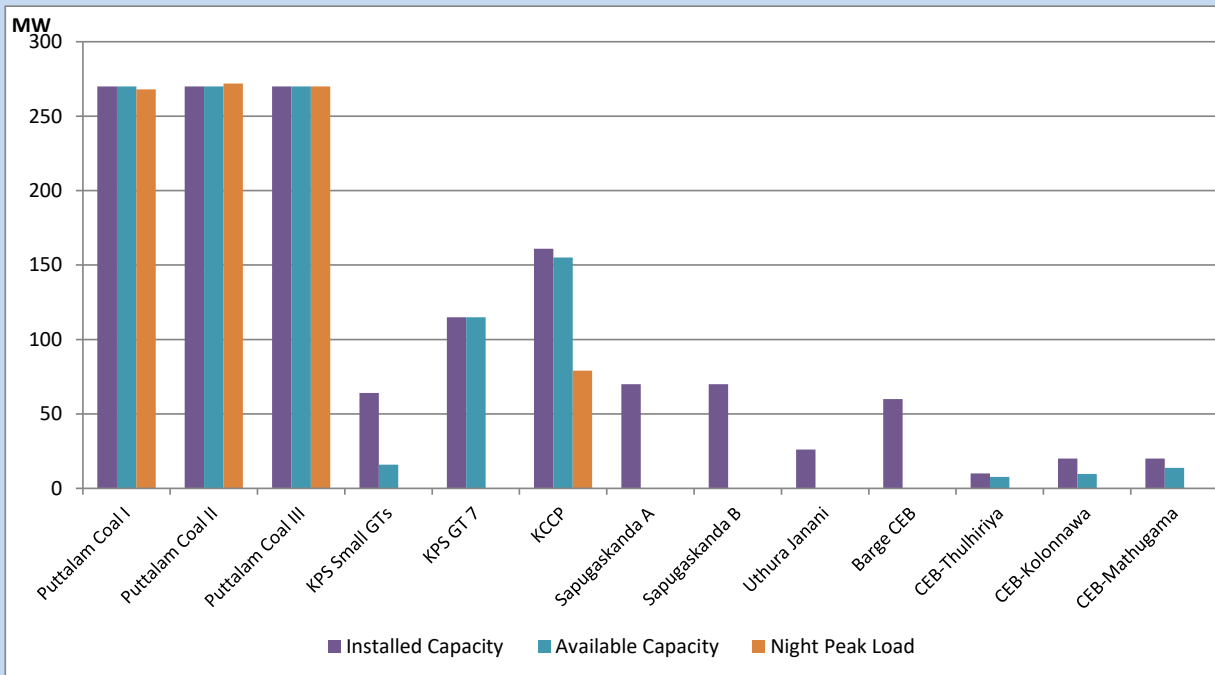
May 31, 2022



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

June 1, 2022

## CEB owned Thermal Plant Loading at the Night Peak



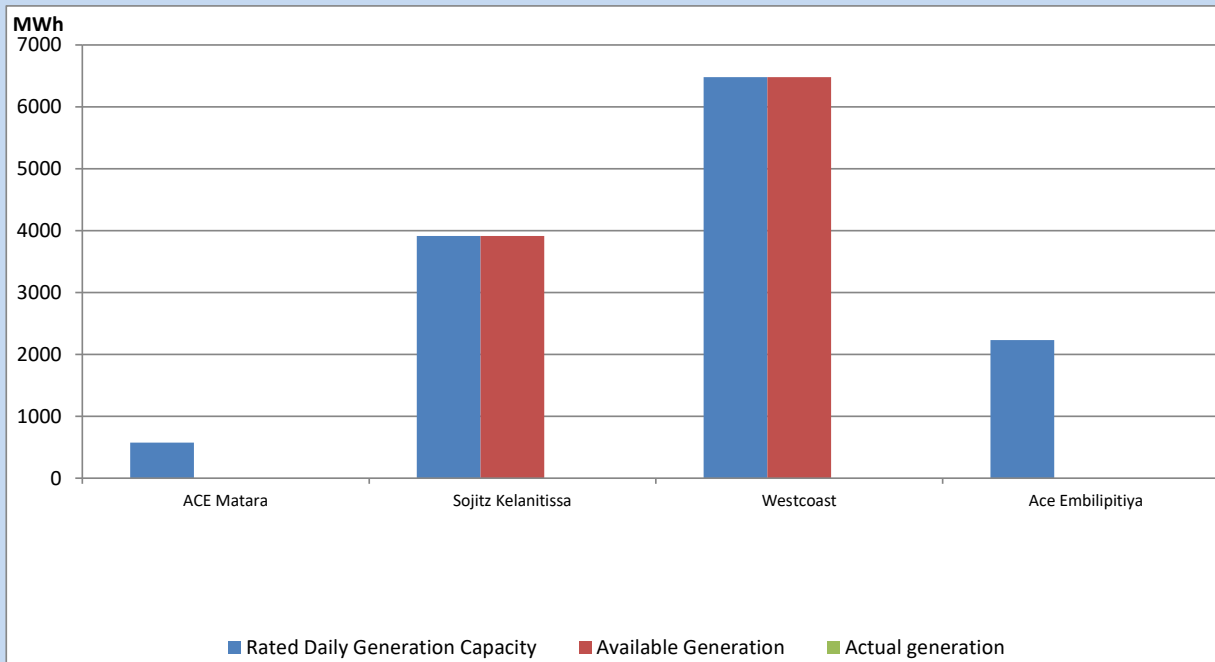
Note- Plant availability is recorded at 6.00 am on

June 1, 2022

## IPP owned Thermal Plant Dispatch

May 31, 2022

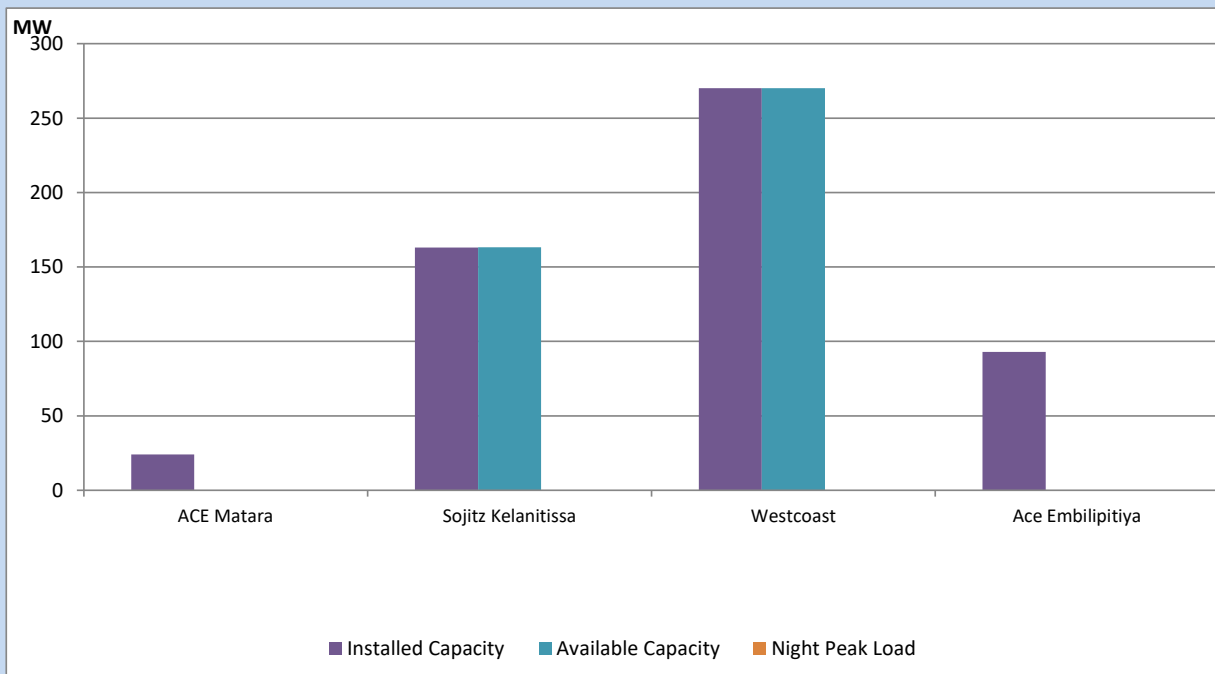
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

June 1, 2022

## IPP owned Thermal Plant Loading at the Night Peak

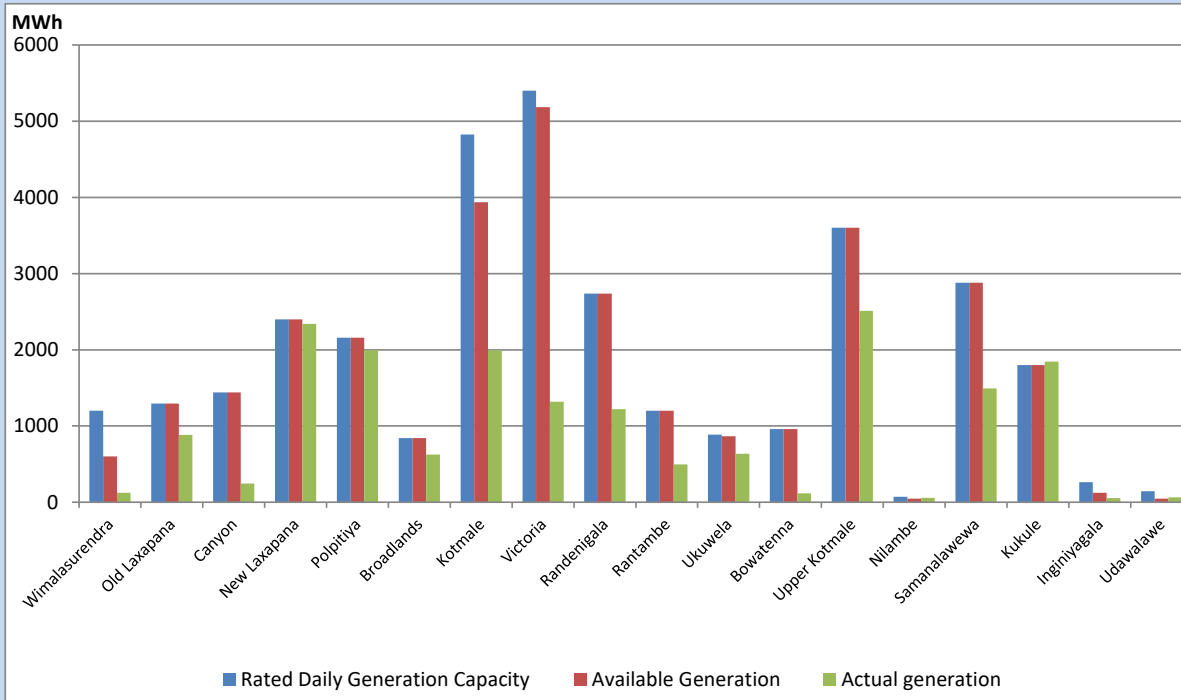


Note- Plant availability is recorded at 6.00 am on

June 1, 2022

## Major Hydro Plant Dispatch

May 31, 2022

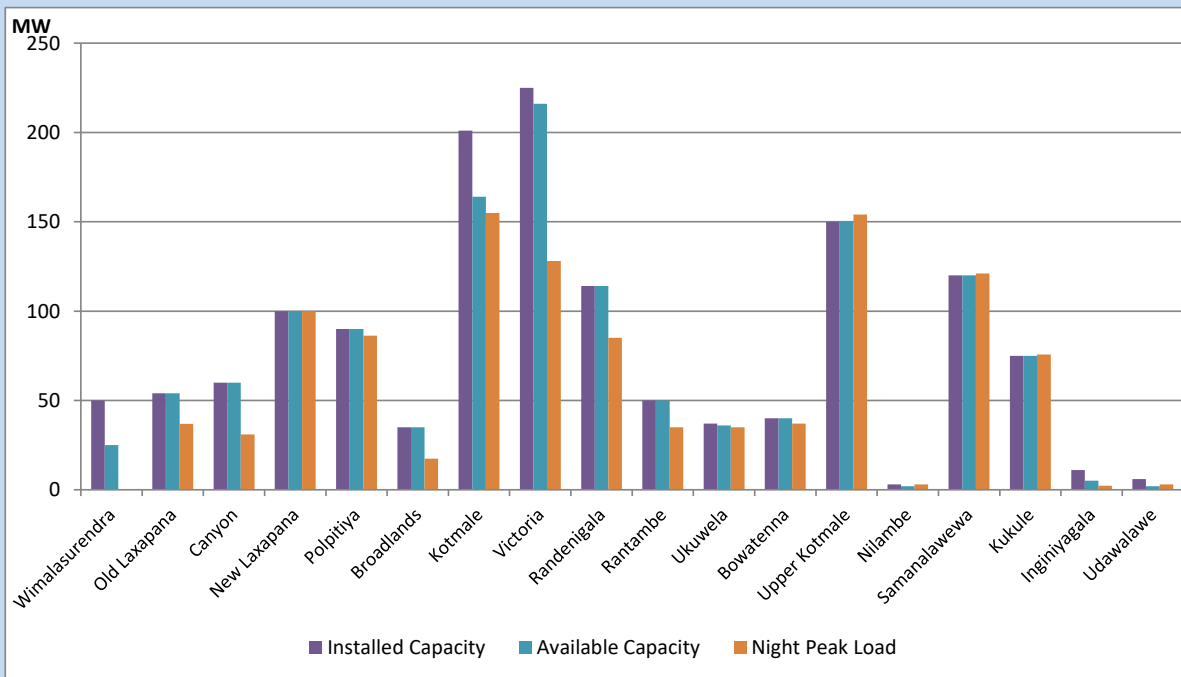


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

June 1, 2022

## Major Hydro Plant Loading at Night Peak

May 31, 2022



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

June 1, 2022

## Summary of Major Plant performance

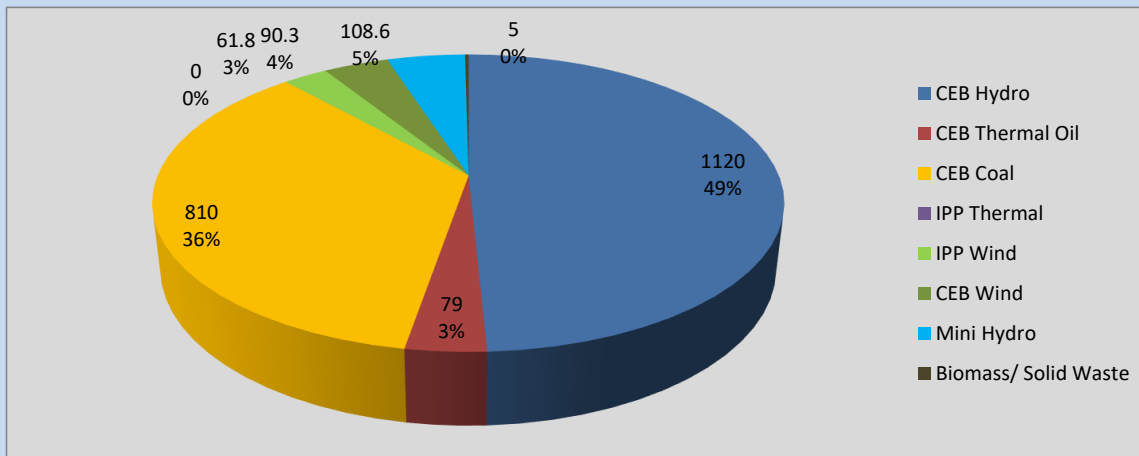
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	124
Old Laxapana	54	54	37	883
Canyon	60	60	31	245
New Laxapana	100	100	100	2,341
Polpitiya	90	90	86	1,990
Broadlands	35	35	17	624
Kotmale	201	164	155	1,990
Victoria	225	216	128	1,318
Randenigala	114	114	85	1,220
Rantambe	50	50	35	498
Ukuwela	37	36	35	636
Bowatenna	40	40	37	117
Upper Kotmale	150	150	154	2,511
Nilambe	3	2	3	58
Samanalawewa	120	120	121	1,492
Kukule	75	75	76	1,844
Inginiyagala	11	5	2	52
Udawalawe	6	2	3	63
Puttalam Coal I	270	270	268	5,890
Puttalam Coal II	270	270	272	5,695
Puttalam Coal III	270	270	270	5,780
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	155	79	90
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	0	0
CEB-Kolonnawa	20	10	0	0
CEB-Mathugama	20	14	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	163	0	0
West Coast	270	270	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,898</b>	<b>2,260</b>	<b>42,307</b>

Plant availability is the availability recorded at 6 am on

June 1, 2022

## Contribution to the Night Peak in MW

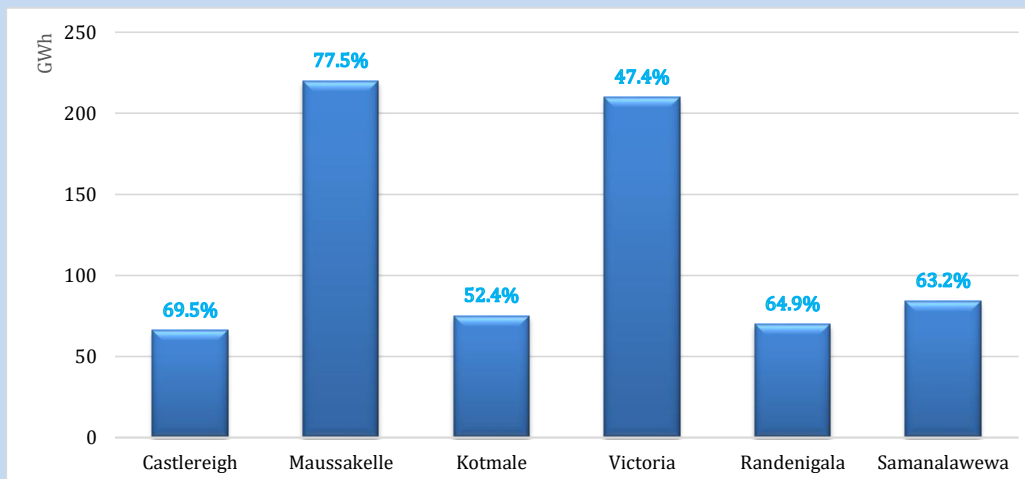
May 31, 2022



Night Peak*	2,274.2 MW
Day Peak	2,030.6 MW
Minimum Demand	1,199.0 MW

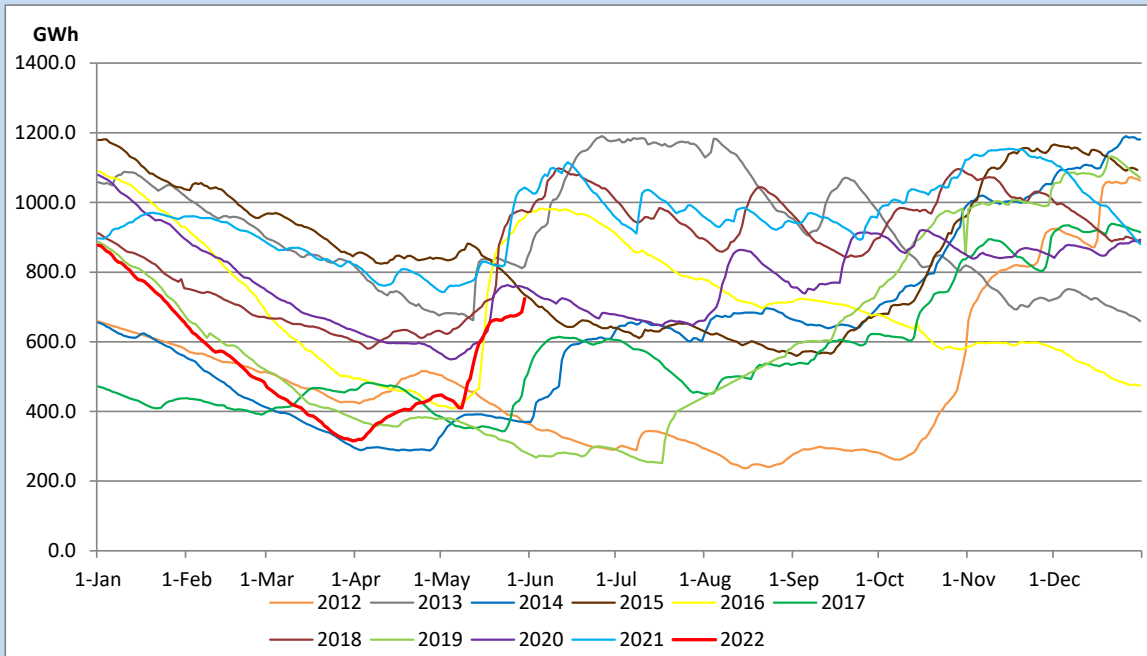
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on June 1, 2022

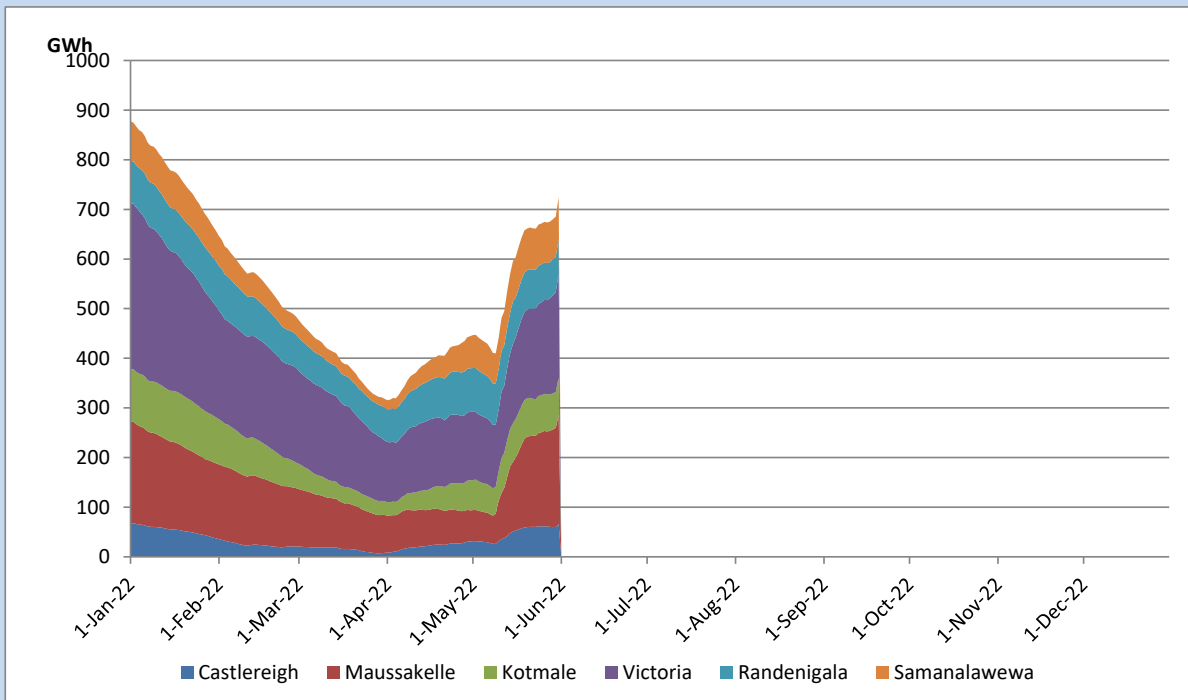


Total Reservoir Level	724.5 GWh
% of Total capacity	60.1%

## Comparison of Total Reservoir Storage Levels with Past Years

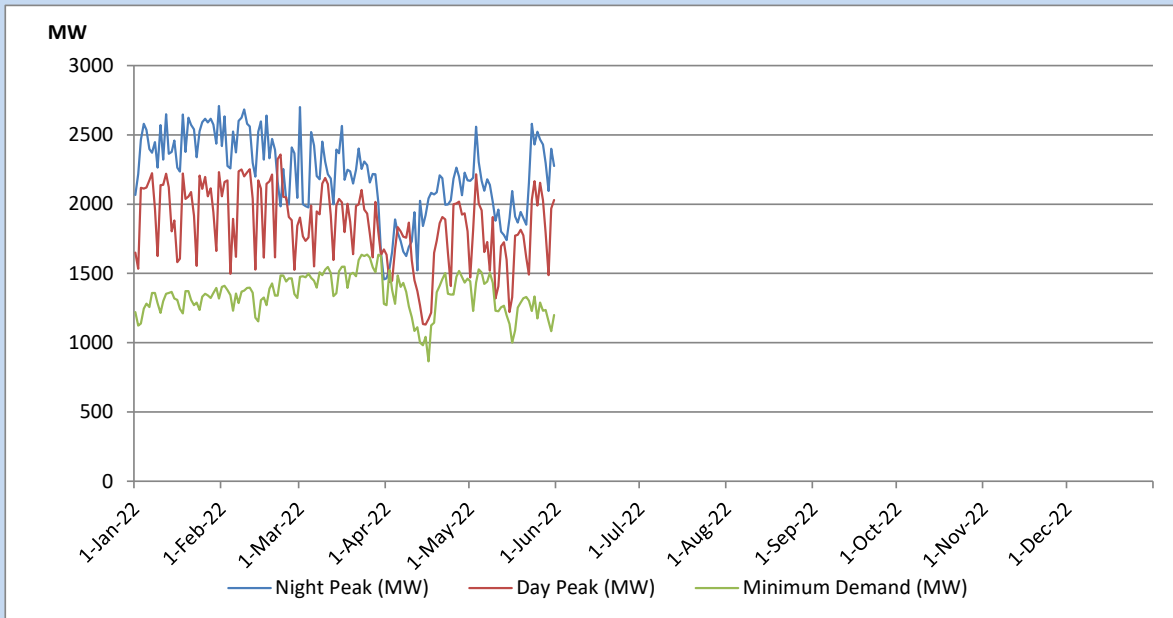


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

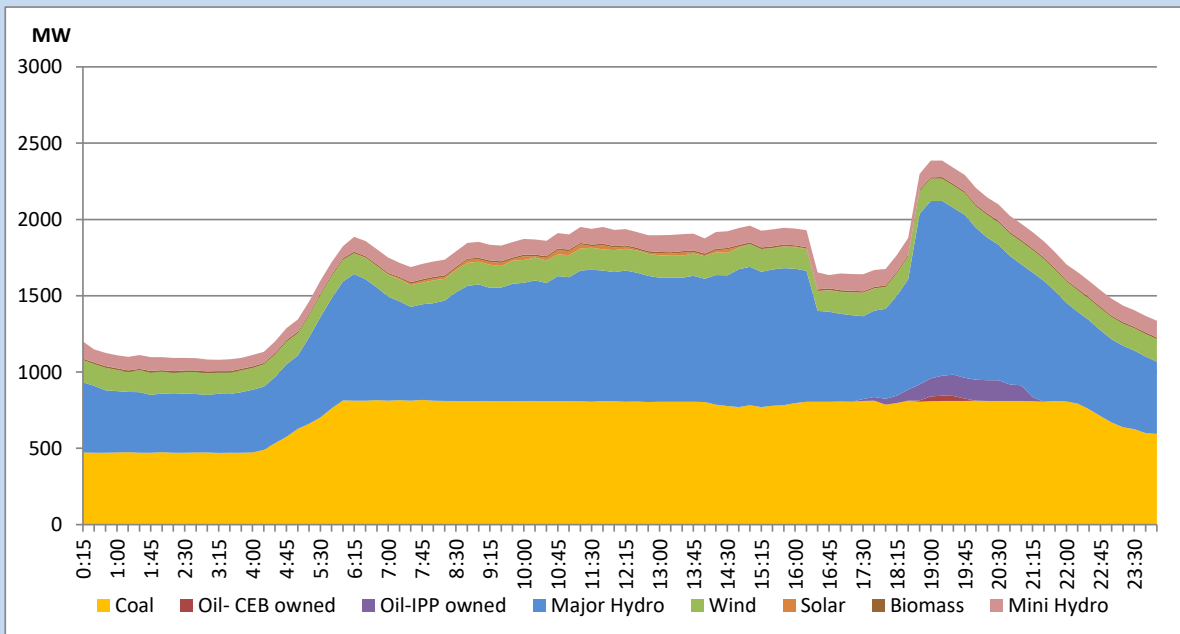


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

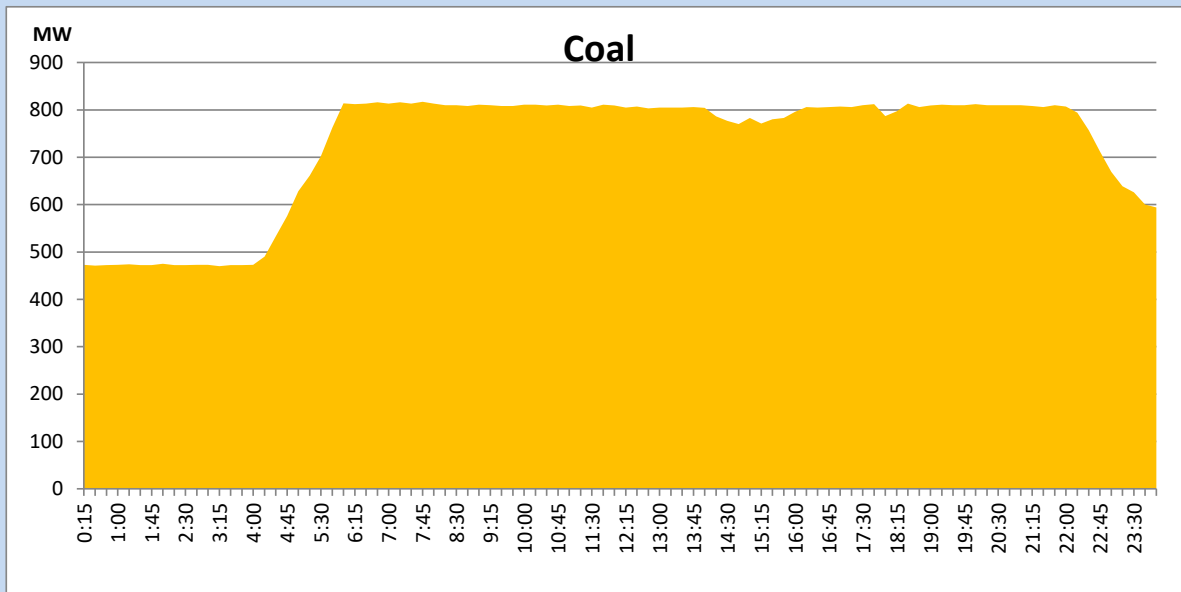
May 30, 2022

Solar and wind data is based on Telemetered Power Stations only



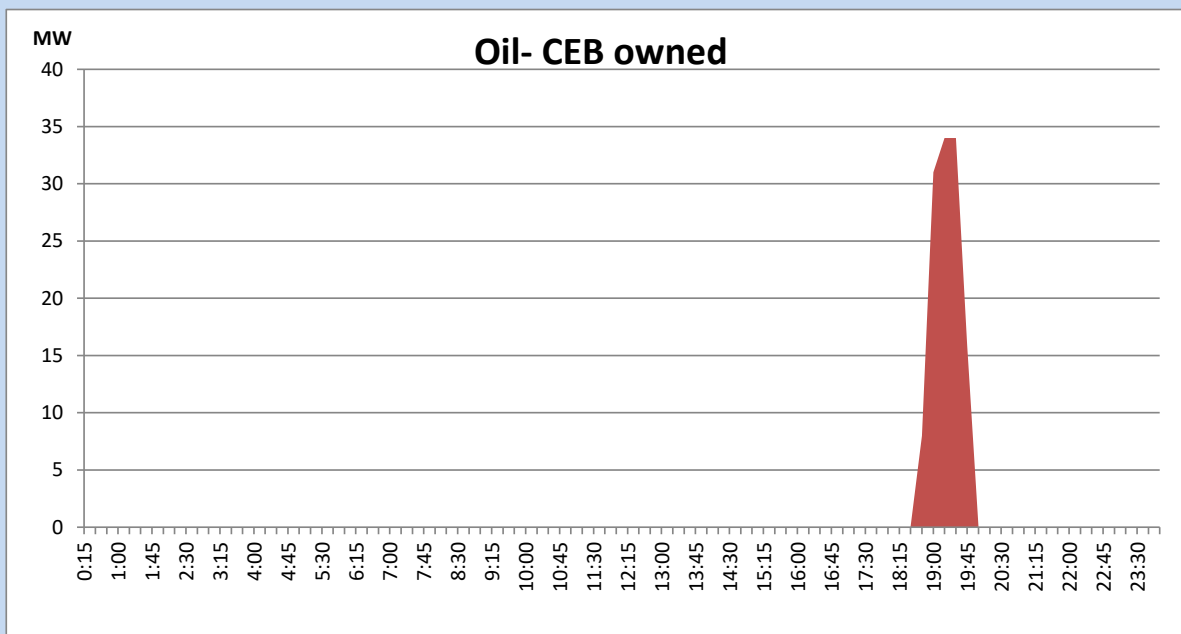
## Coal Generation during the Previous day

May 30, 2022



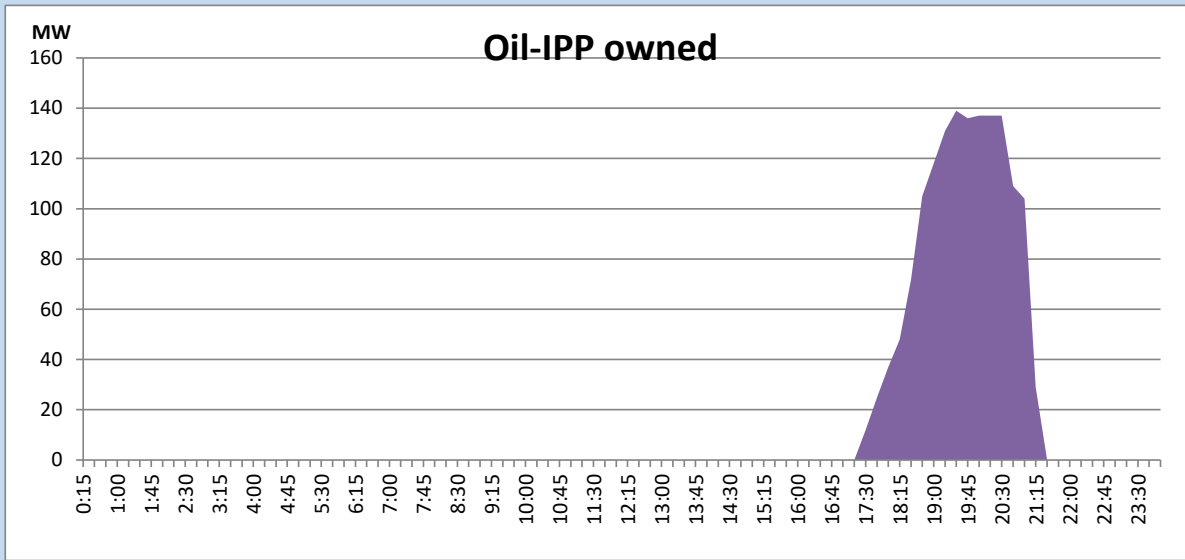
## CEB Oil Plant Generation during the Previous day

May 30, 2022



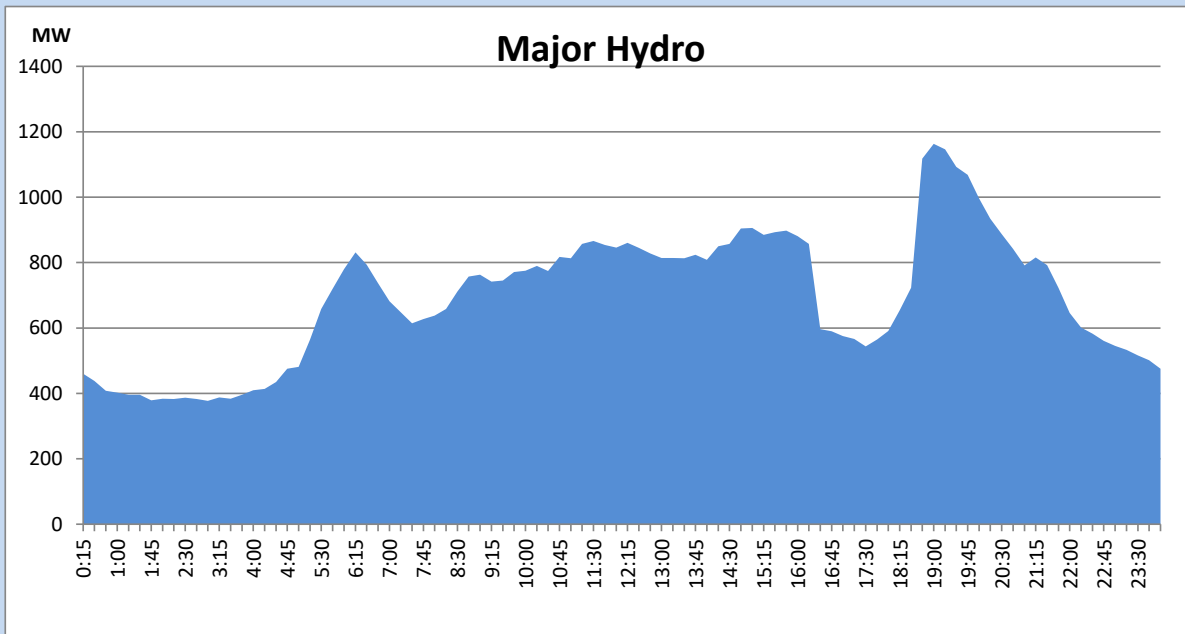
## IPP Oil Plant Generation during the Previous day

May 30, 2022



## Major Hydro Generation during the Previous day

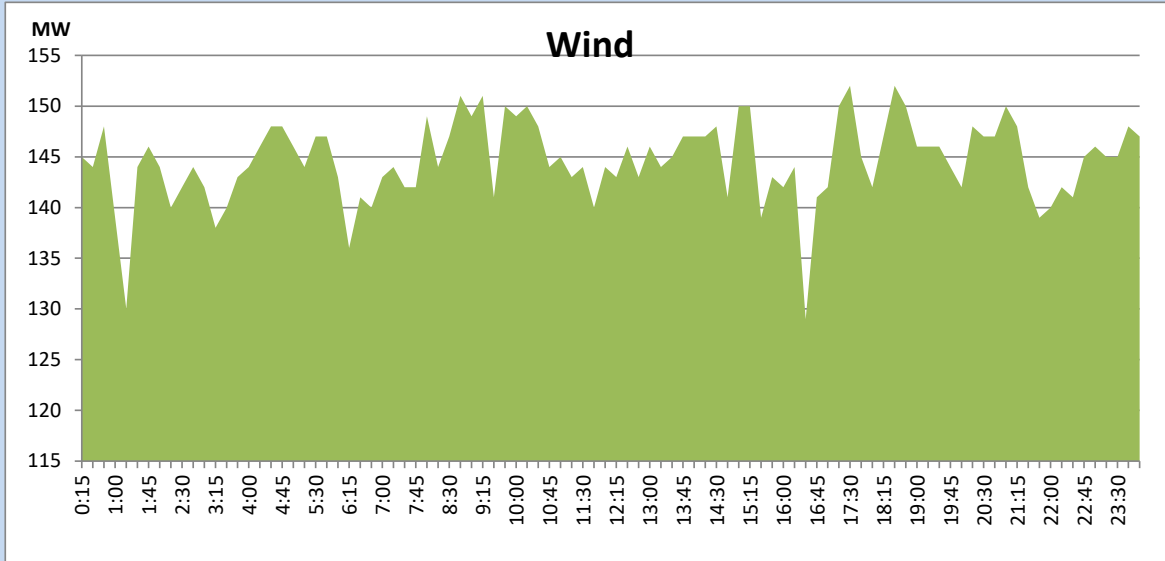
May 30, 2022



## Wind Generation during the Previous day

May 30, 2022

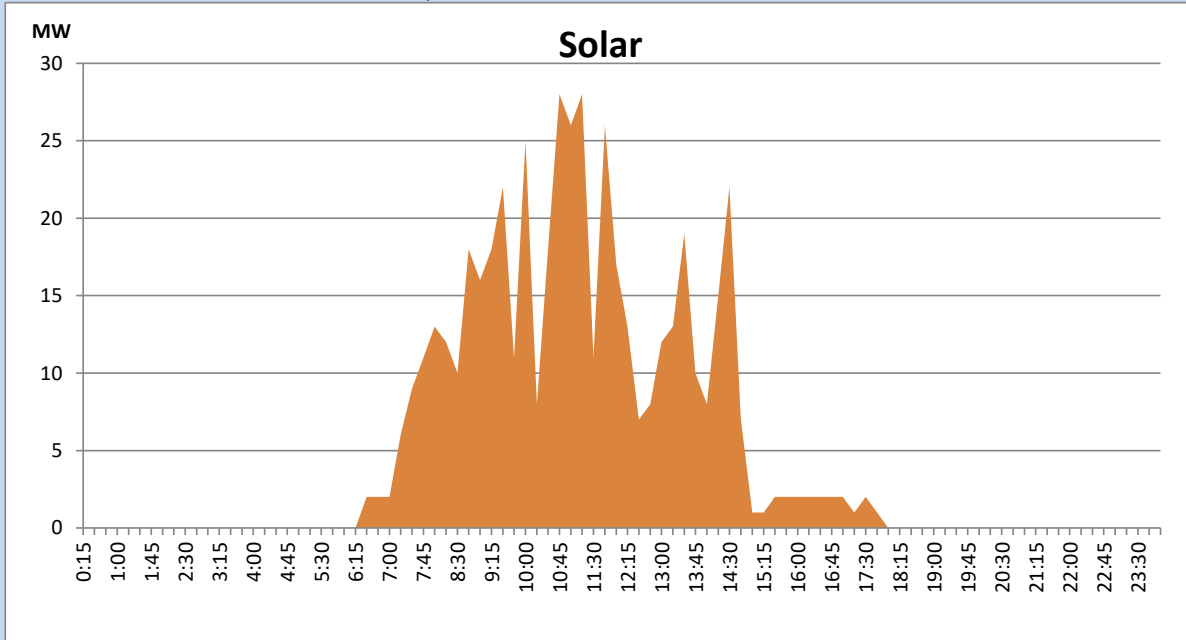
Based on Telemetered Power Stations only



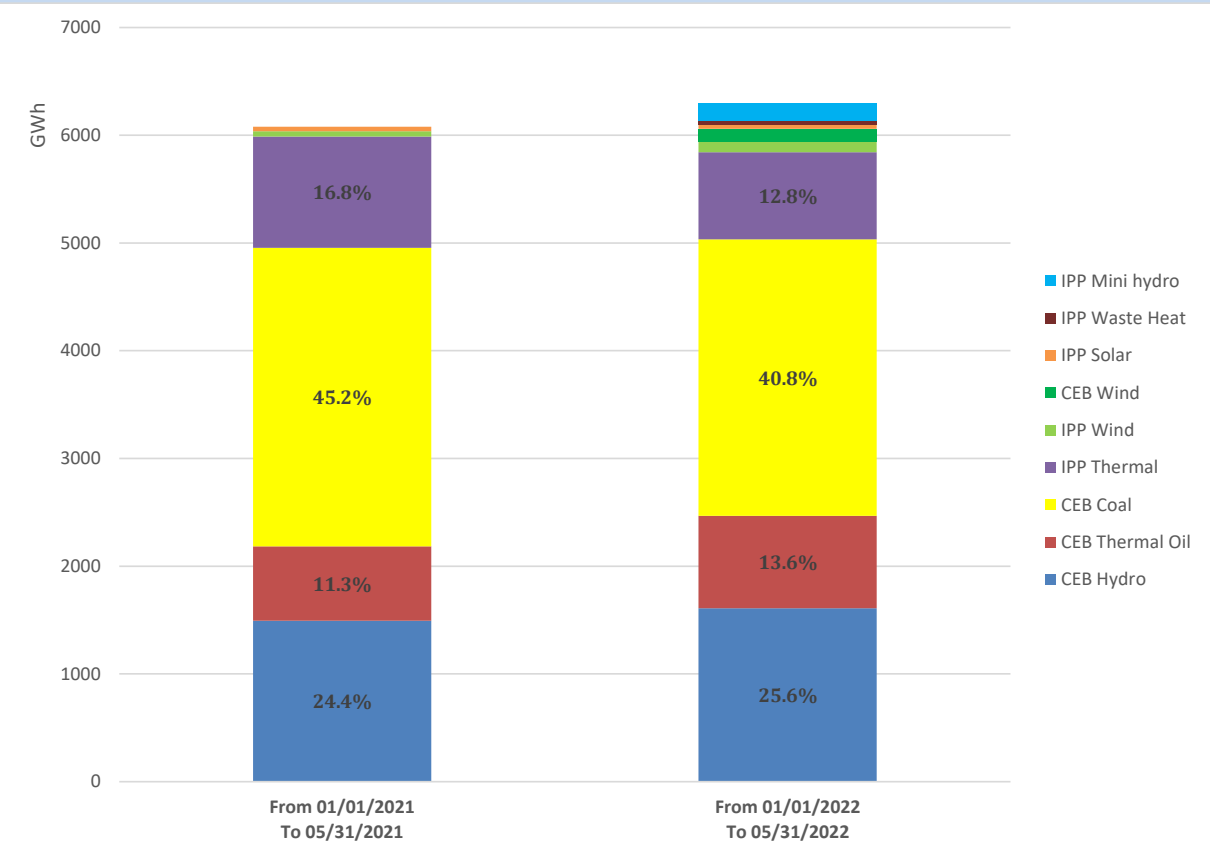
## Solar Generation during the Previous day

May 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

June 1, 2022

- 1) Rotational manual load shedding was carried out from 6:00hrs to 9:00hrs and 16:15hrs to 18.30hrs
- 2) Polpitiya - O'Laxapana cct 02 tripped from O'Laxapana end at 8:26hrs due to operation of distance protection. The circuit is yet to be restored.
- 3) Athuru-Thul-N'Polp cct tripped from all ends at 8:28hrs due to operation of distance protection. At the same time Athuru-Thul-Polp cct tripped and A/R from Thul & Pol ends and tripped from Athuru end due to operation of distance protection. Both ccts were restored at 8:41hrs
- 4) Athuru-Thul-Polp cct and Athuru-Thul-N'Polp cct were manually switched off from all ends at 14:35hrs due to transmission tower being under a landslide. This results in both Thulhiriya and Kegalle GSSs to be dead. Thulhiriya and Kegalle GSSs were energized via Polp end & N'Polp end at 17:36hrs & 19:38hrs, respectively. Both circuits are yet to be fully restored.