

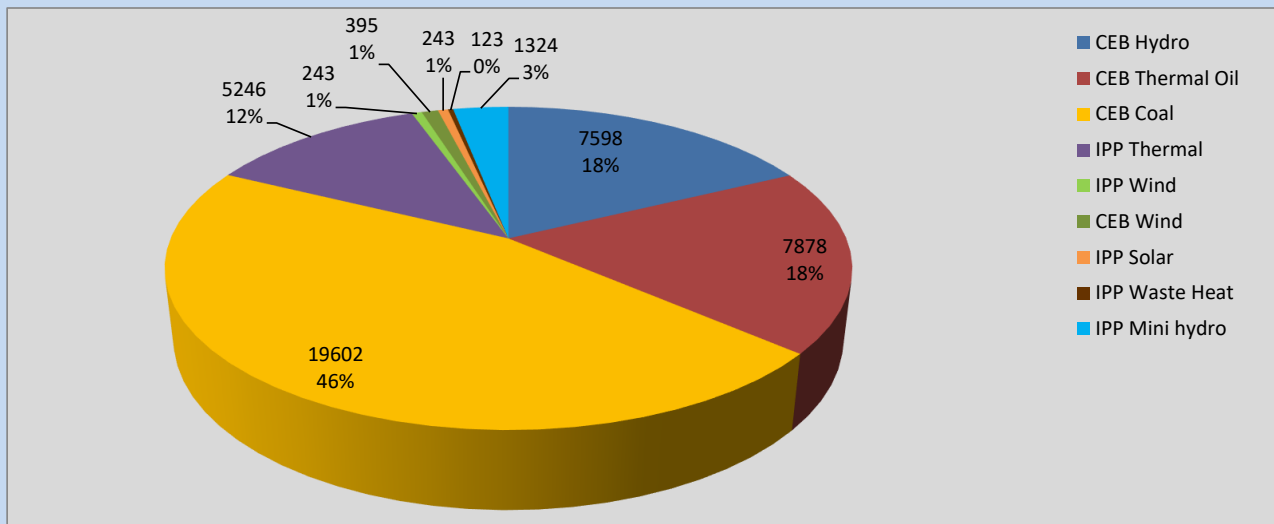
# Generation and Reservoirs Statistics

April 28, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **42,629 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

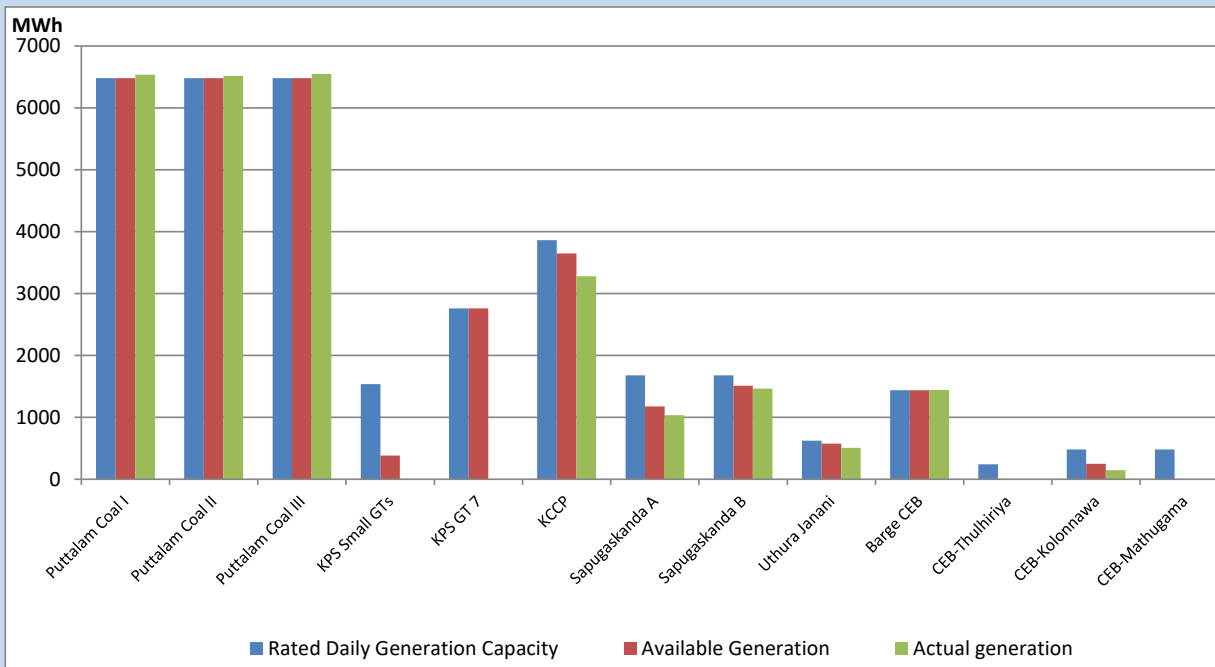
Category	Dispatch (GWh)	Percentage
CEB Hydro	202.97	19.27%
CEB Thermal Oil	129.62	12.31%
CEB Coal	533.50	50.65%
IPP Thermal	124.07	11.78%
SPP Wind	7.46	0.71%
CEB Wind	9.59	0.91%
SPP Solar	7.12	0.68%
SPP Solid Waste	5.71	0.54%
Mini Hydro	33.29	3.16%
<b>Total</b>	<b>1,053.33</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,132.9	22.79%
CEB Thermal Oil	770.8	15.50%
CEB Coal	2,084.0	41.92%
IPP Thermal	717.0	14.42%
SPP Wind	49.9	1.00%
CEB Wind	63.4	1.27%
SPP Solar	30.7	0.62%
SPP Solid Waste	23.4	0.47%
Mini Hydro	99.7	2.01%
<b>Total</b>	<b>4,971.4</b>	

## CEB owned Thermal Plant Dispatch

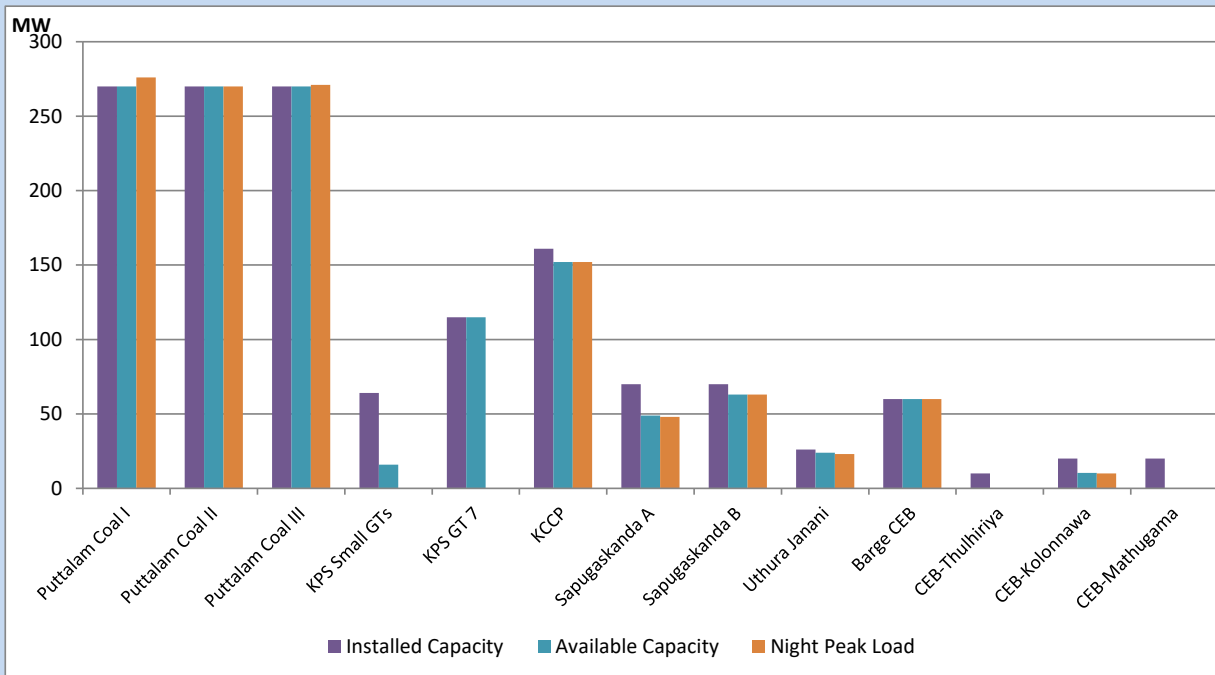
April 28, 2022



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

April 29, 2022

## CEB owned Thermal Plant Loading at the Night Peak



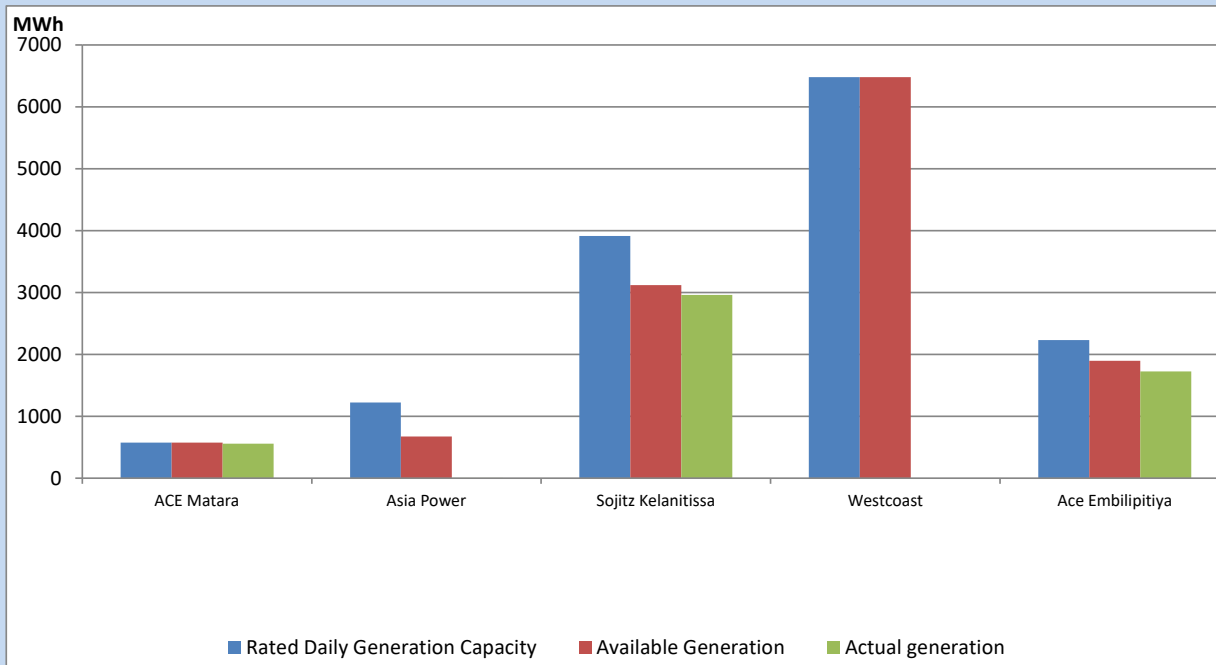
Note- Plant availability is recorded at 6.00 am on

April 29, 2022

## IPP owned Thermal Plant Dispatch

April 28, 2022

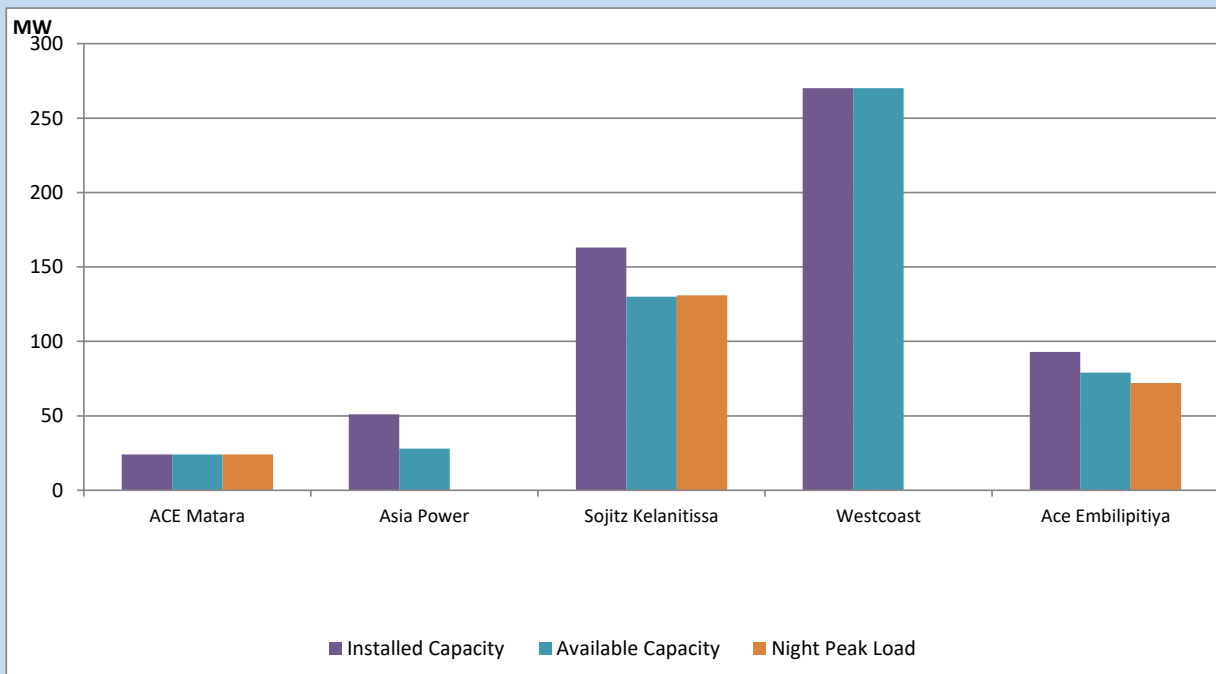
V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

April 29, 2022

## IPP owned Thermal Plant Loading at the Night Peak

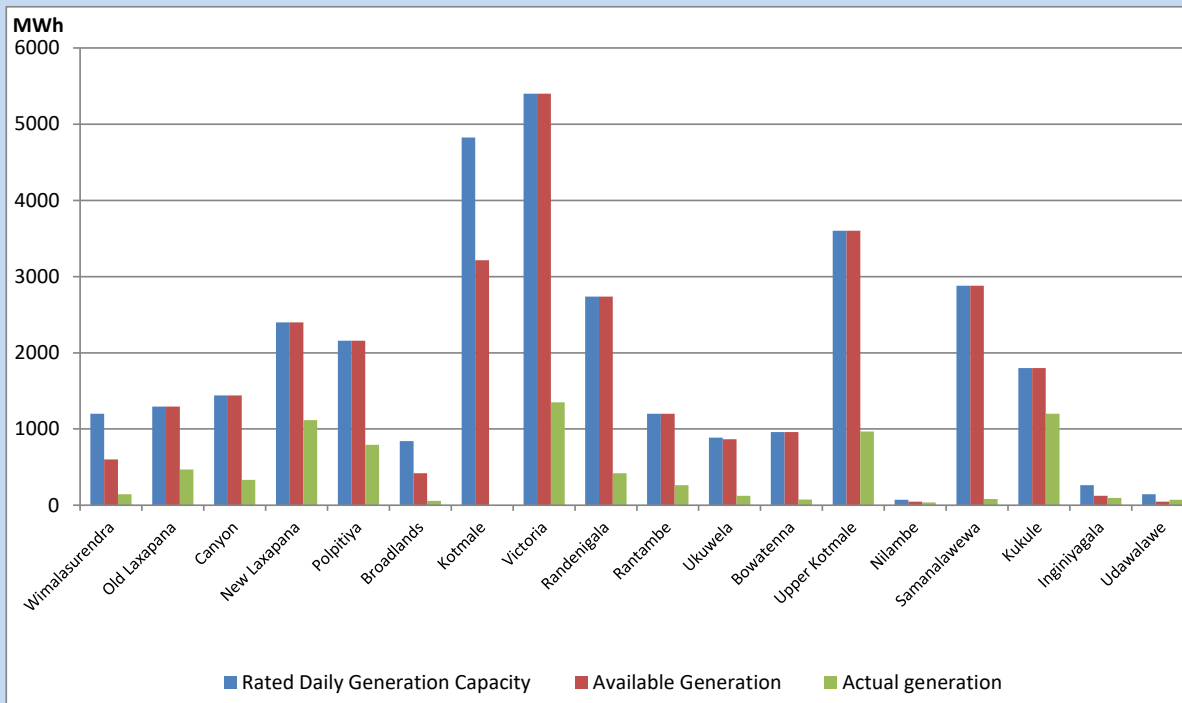


Note- Plant availability is recorded at 6.00 am on

April 29, 2022

## Major Hydro Plant Dispatch

April 28, 2022

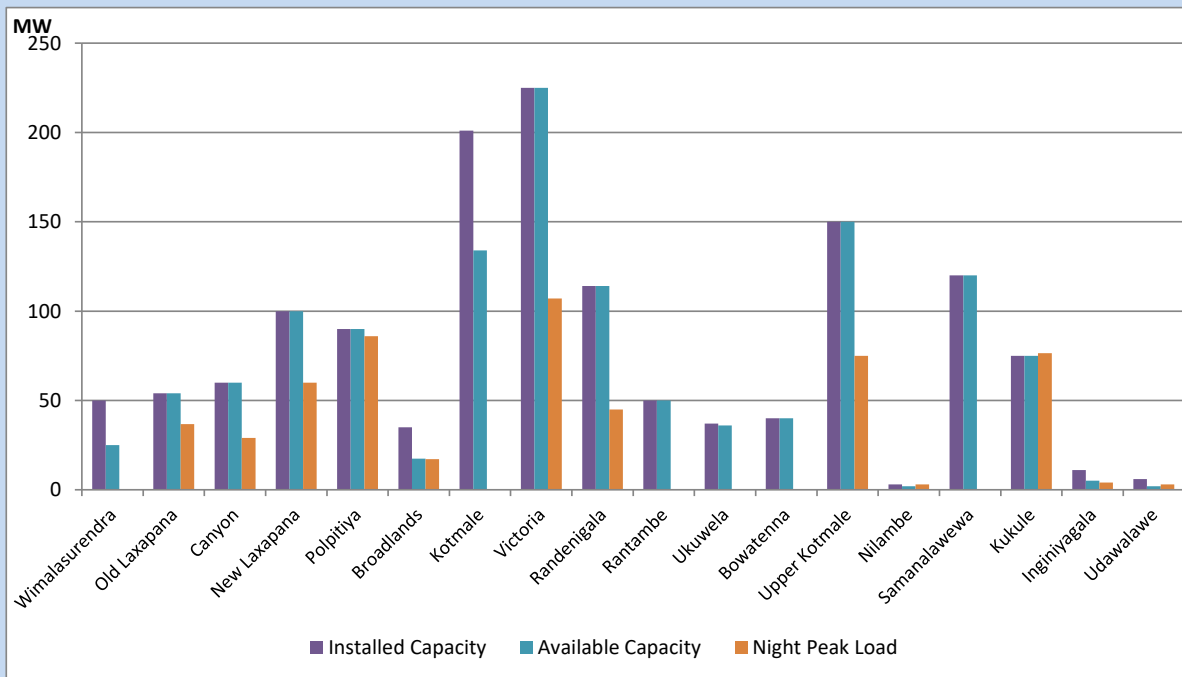


Available Generation is estimated based on plant availability at 6.00am on April 29, 2022  
 Broadlands power plant is operating in the Commissioning Stage

April 29, 2022

## Major Hydro Plant Loading at Night Peak

April 28, 2022



Note- Plant availability is recorded at 6.00 am on April 29, 2022  
 Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

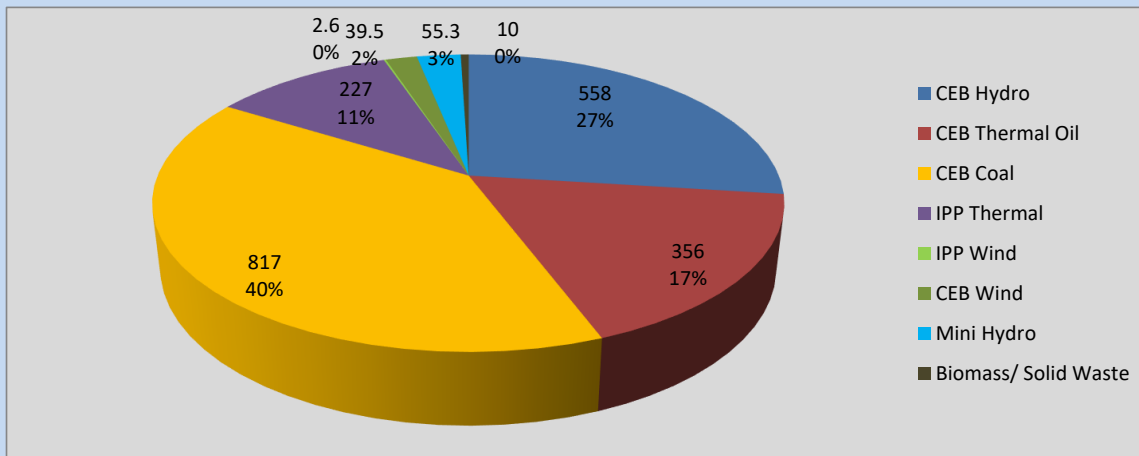
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	143
Old Laxapana	54	54	37	468
Canyon	60	60	29	334
New Laxapana	100	100	60	1,118
Polpitiya	90	90	86	794
Broadlands	35	18	17	57
Kotmale	201	134	0	0
Victoria	225	225	107	1,351
Randenigala	114	114	45	418
Rantambe	50	50	0	264
Ukuwela	37	36	0	123
Bowatenna	40	40	0	73
Upper Kotmale	150	150	75	968
Nilambe	3	2	3	37
Samanalawewa	120	120	0	83
Kukule	75	75	77	1,201
Inginiyagala	11	5	4	95
Udawalawe	6	2	3	71
Puttalam Coal I	270	270	276	6,536
Puttalam Coal II	270	270	270	6,514
Puttalam Coal III	270	270	271	6,552
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	152	3,278
Sapugaskanda A	70	49	48	1,035
Sapugaskanda B	70	63	63	1,465
Uthura Janani	26	24	23	509
Barge CEB	60	60	60	1,442
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	10	10	149
CEB-Mathugama	20	0	0	0
ACE Matara	24	24	24	558
Asia Power	51	28	0	3
Sojitz Kelanitissa	163	130	131	2,962
West Coast	270	270	0	0
ACE Embilipitiya	93	79	72	1,723
<b>Total</b>	<b>3,448</b>	<b>3,130</b>	<b>2,050</b>	<b>42,629</b>

Plant availability is the availability recorded at 6 am on

April 29, 2022

## Contribution to the Night Peak in MW

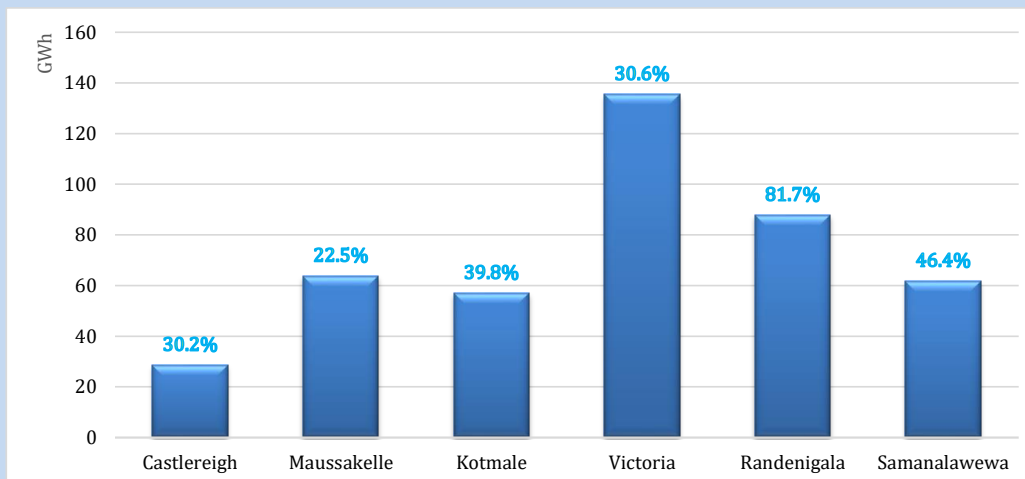
April 28, 2022



Night Peak*	2,064.9 MW
Day Peak	1,925.0 MW
Minimum Demand	1,473.1 MW

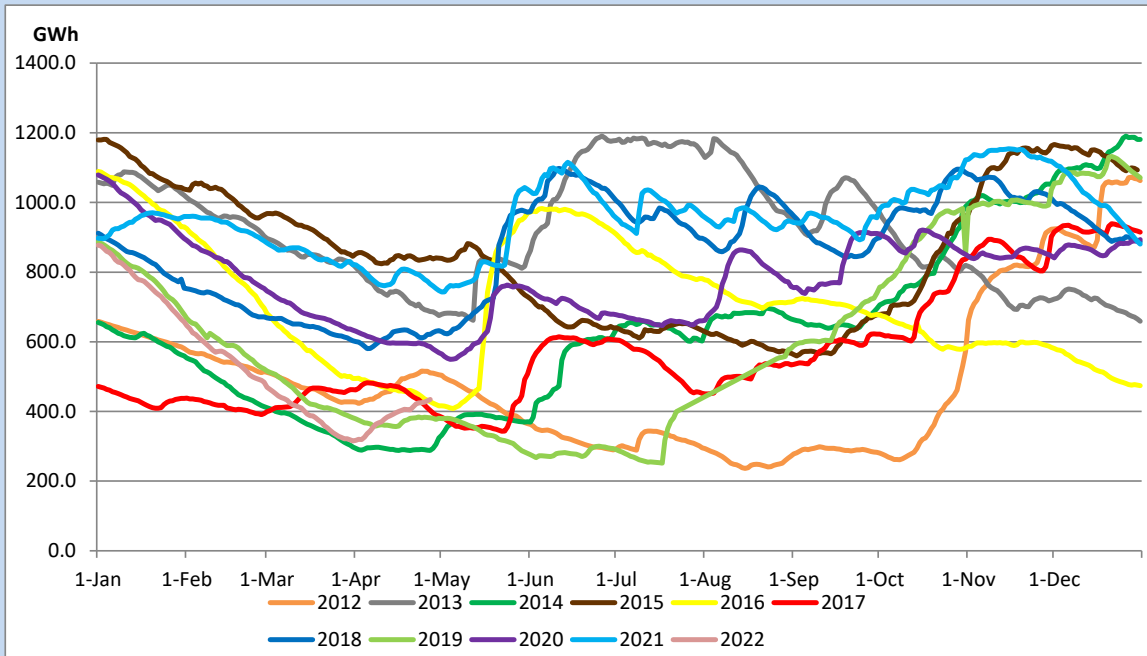
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on April 29, 2022



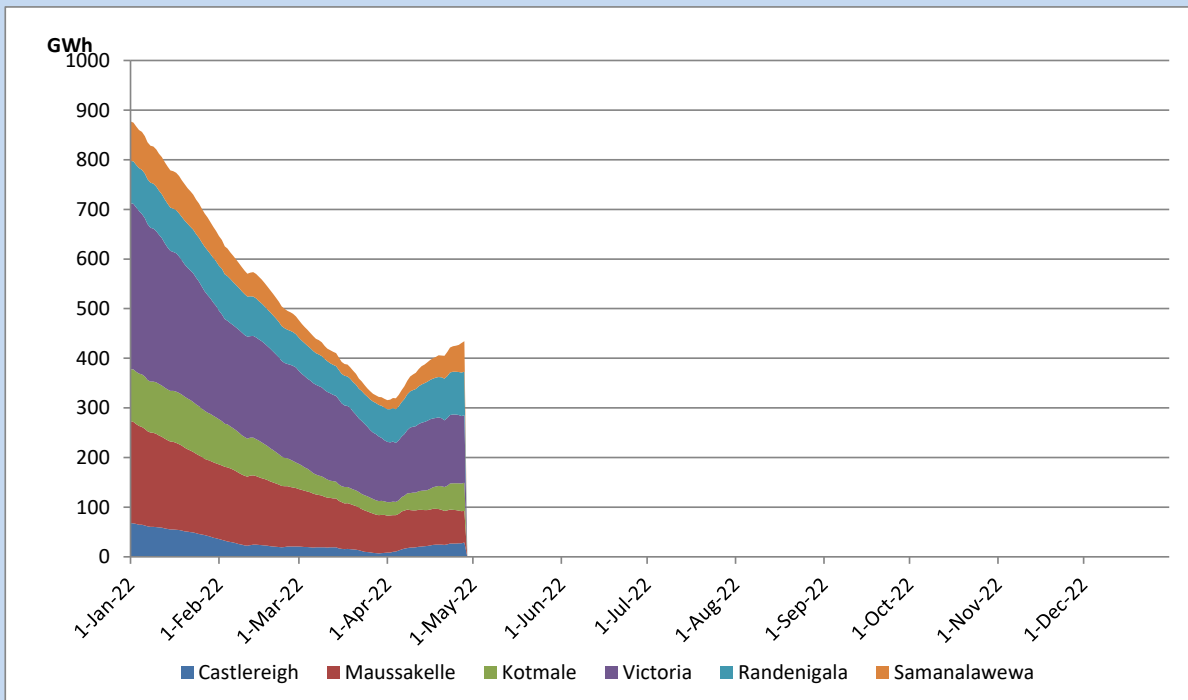
Total Reservoir Level	434.5 GWh
% of Total capacity	41.9%

## Comparison of Total Reservoir Storage Levels with Past Years



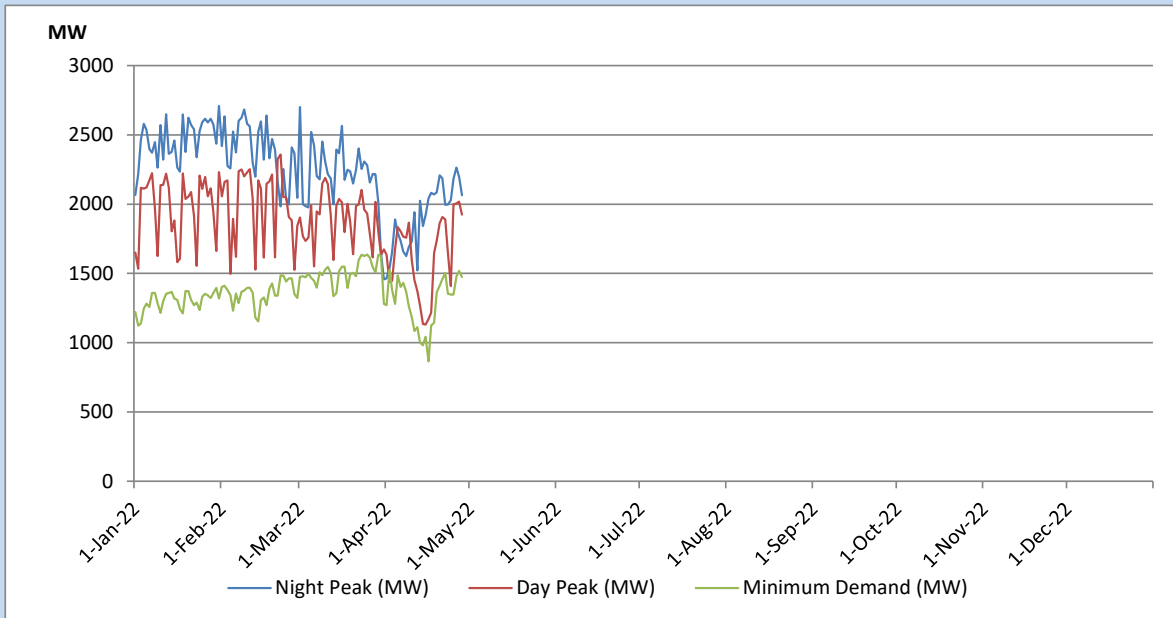
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

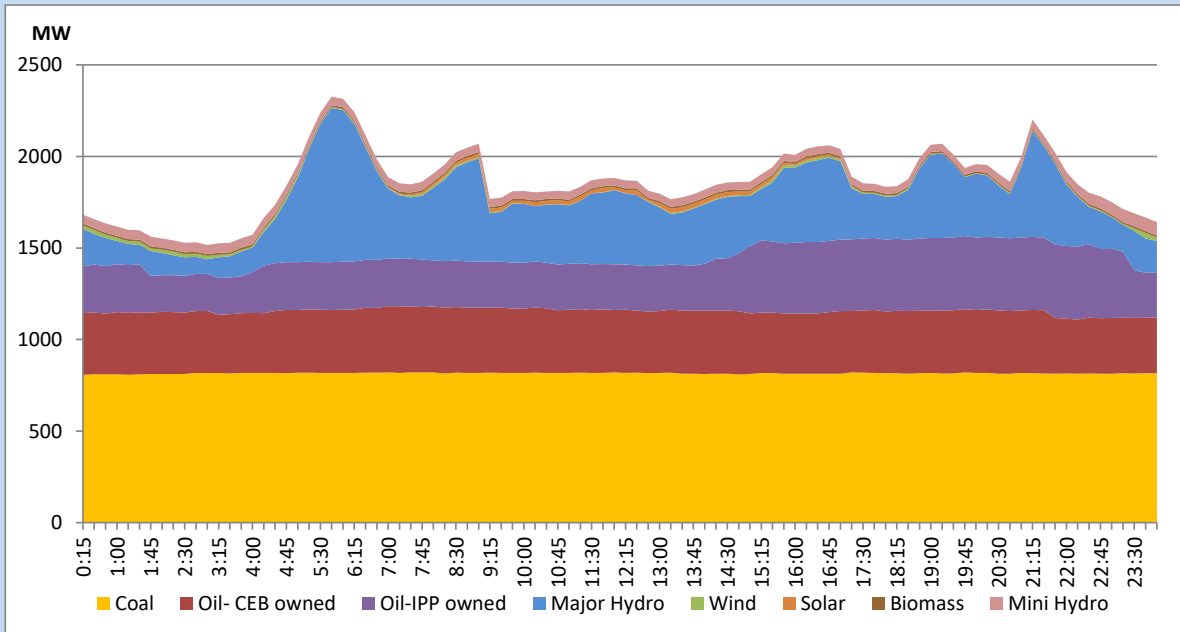


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

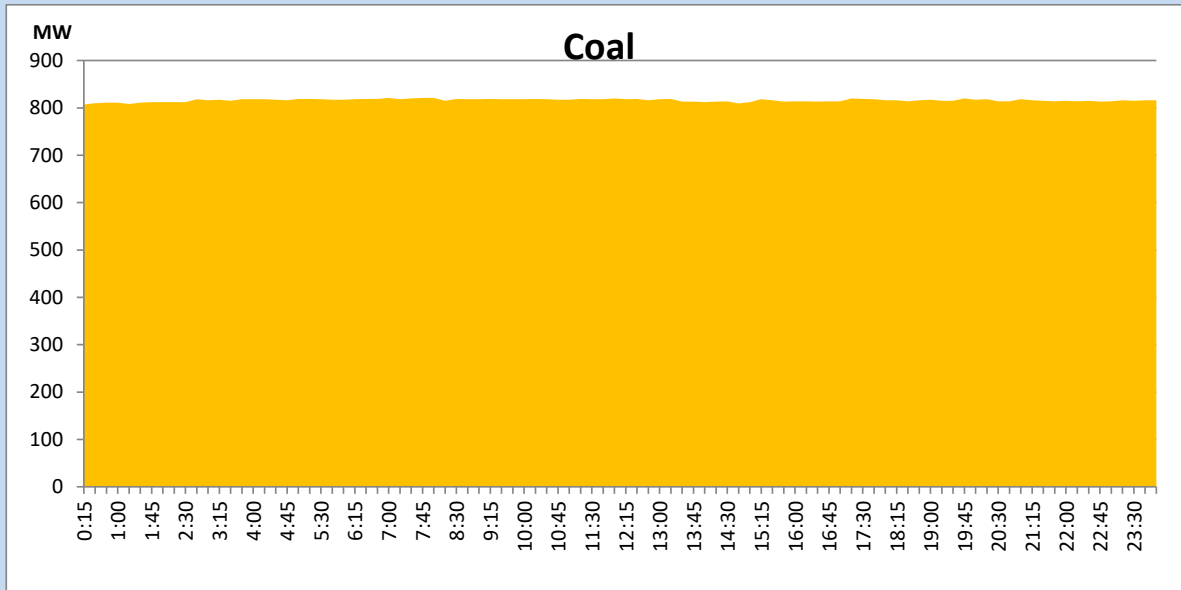
April 27, 2022

Solar and wind data is based on Telemetered Power Stations only



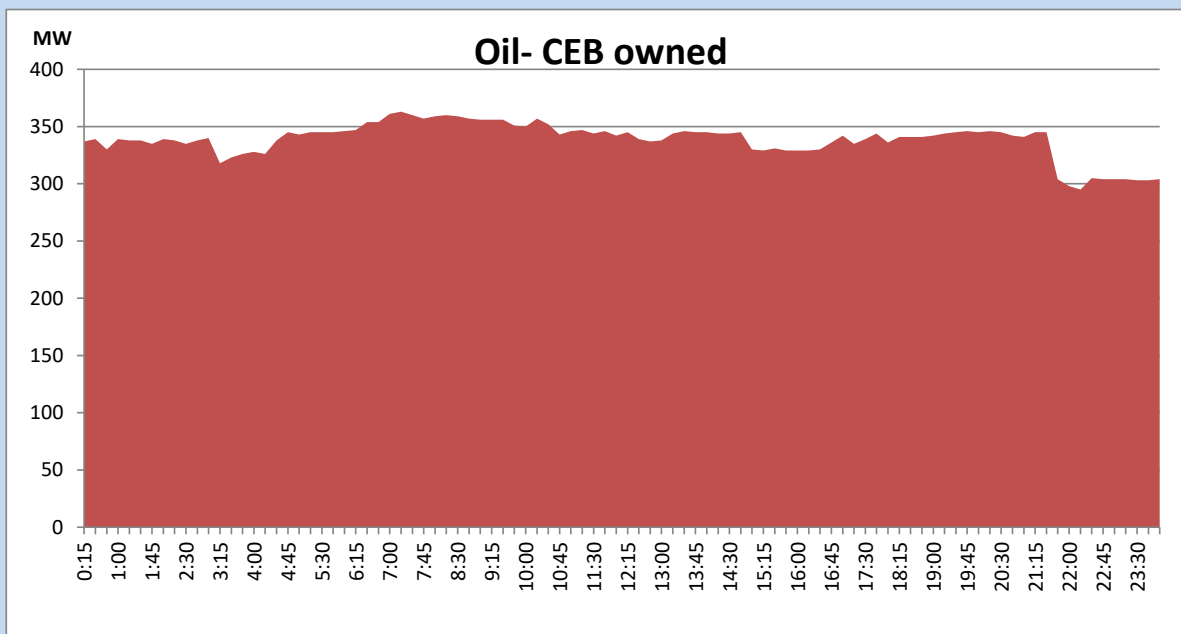
## Coal Generation during the Previous day

April 27, 2022



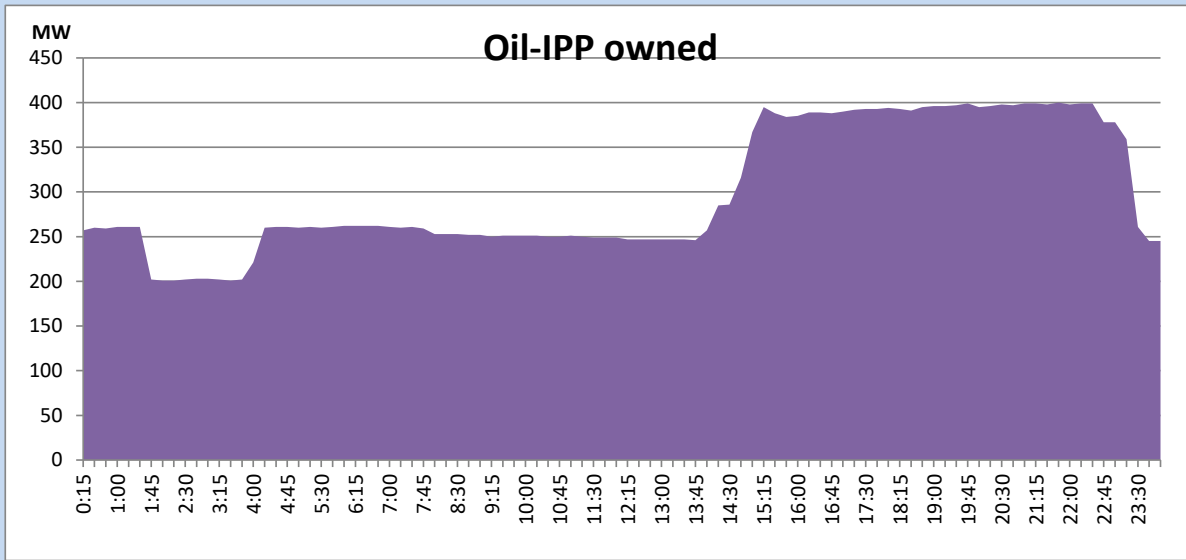
## CEB Oil Plant Generation during the Previous day

April 27, 2022



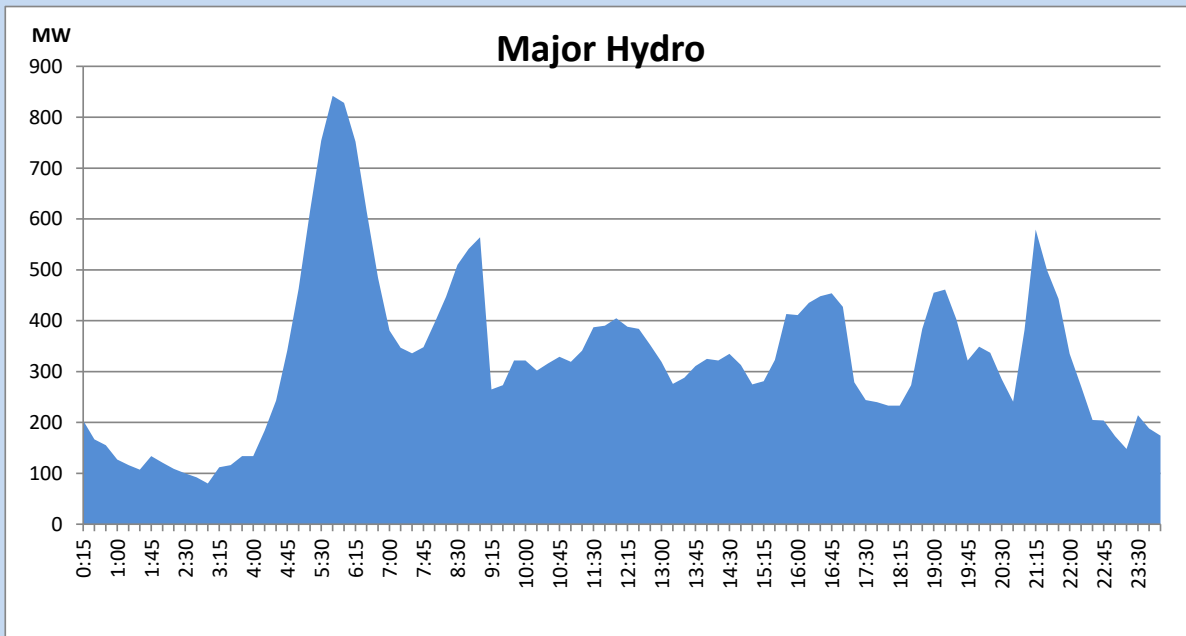
## IPP Oil Plant Generation during the Previous day

April 27, 2022



## Major Hydro Generation during the Previous day

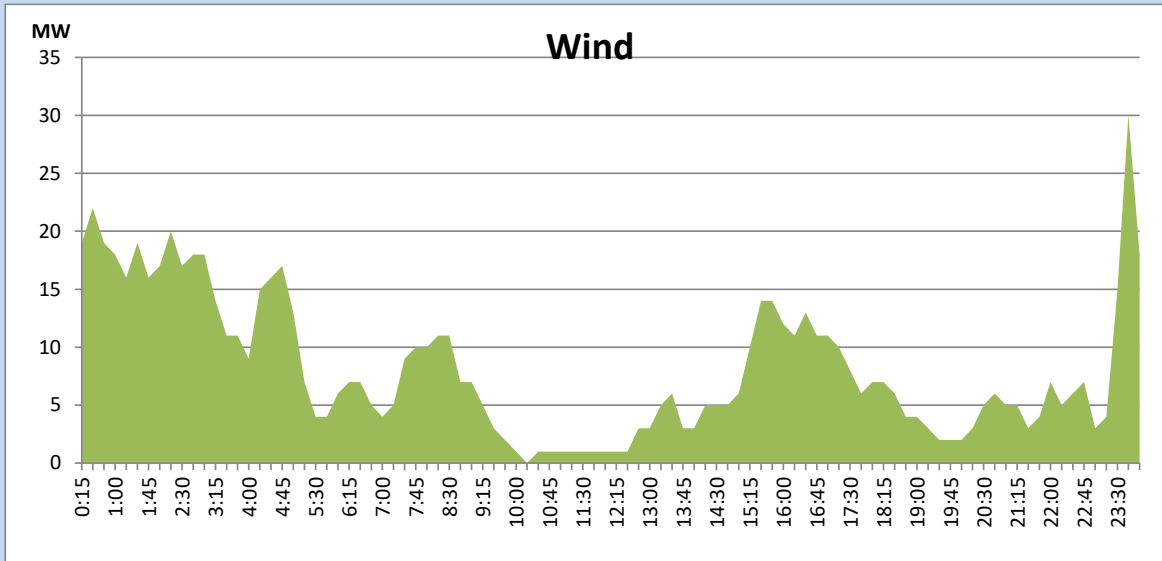
April 27, 2022



## Wind Generation during the Previous day

April 27, 2022

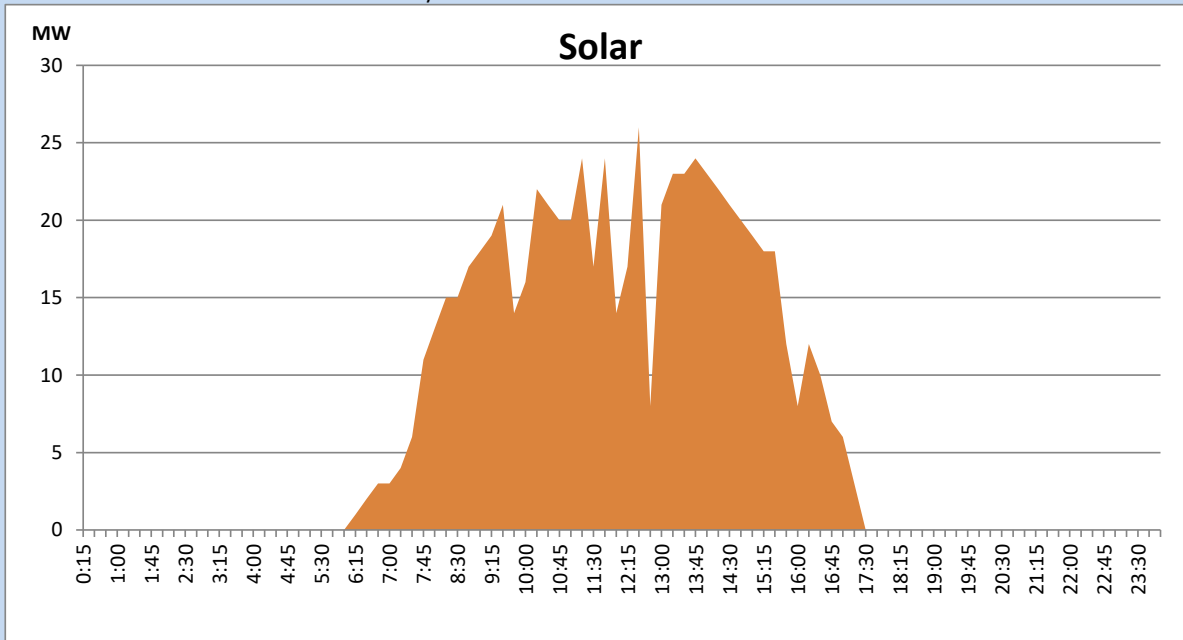
Based on Telemetered Power Stations only



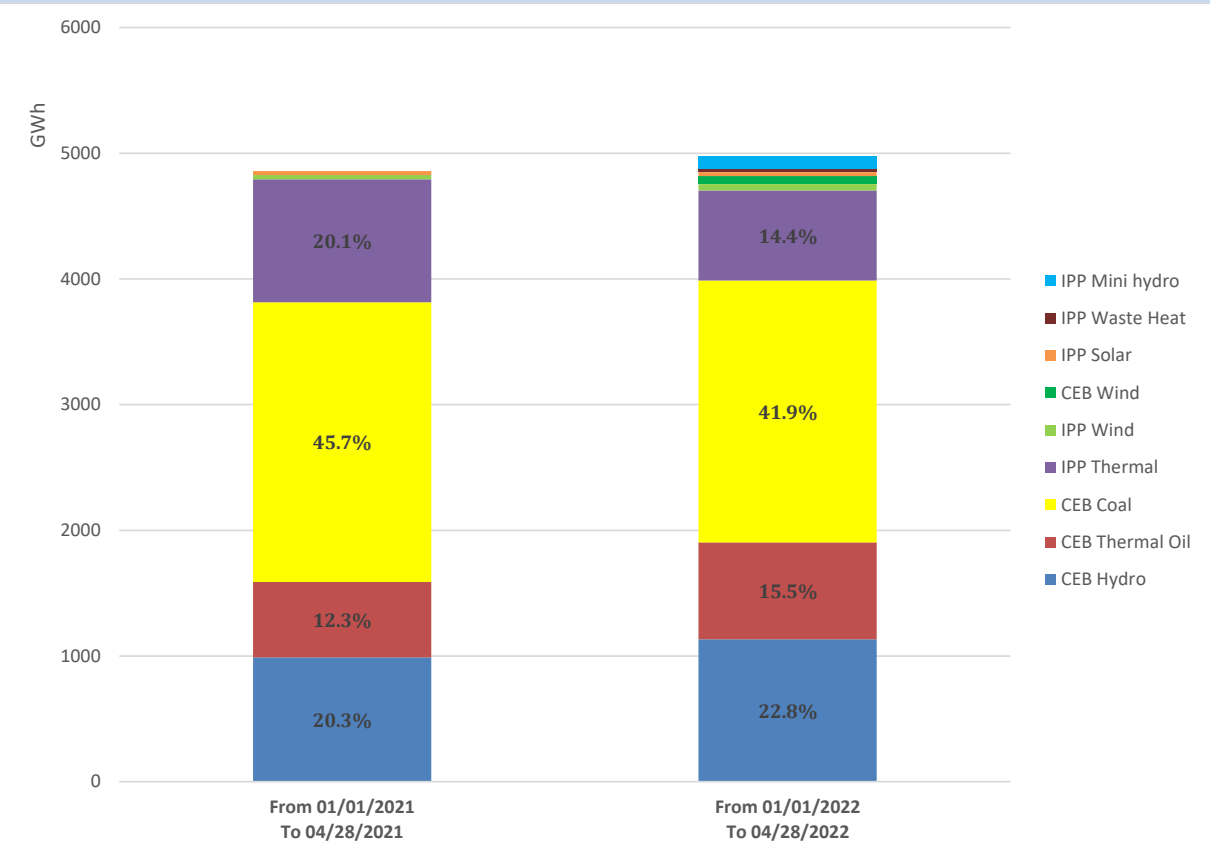
## Solar Generation during the Previous day

April 27, 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
Asia Power	Heavy Fuel

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

April 29, 2022

- 1) Rotational manual load shedding was carried out from 9:00 hrs to 21:00 hrs.
- 2) N/Anu-Haba both ccts tripped at 7:20 hrs causing Haba,Polon,Uku,Naula,Ragala,Palle GSS to be dead. All Gss and N/Anu -Haba cct 02 restored by 7:40 hrs.
- 3) Biya 132/33 kV T/F 03 and T/F 04 tripped at 10:54 hrs and energized at 11:16 hrs.
- 4) At 14:41 hrs, Polp-Kosg cct tripped from Polp end and A/R from Kosg end. Polp-Athu cct tripped from Athu end and A/R from Polp end N/Polp-Athu cct A/R from both ends. Ace Emb-Emb cct 02 tripped from Ace Emb end. All ccts restored by 14:52 hrs.
- 5) N/Anu -vavu cct 01 tripped and A/R at 16:34 hrs.