

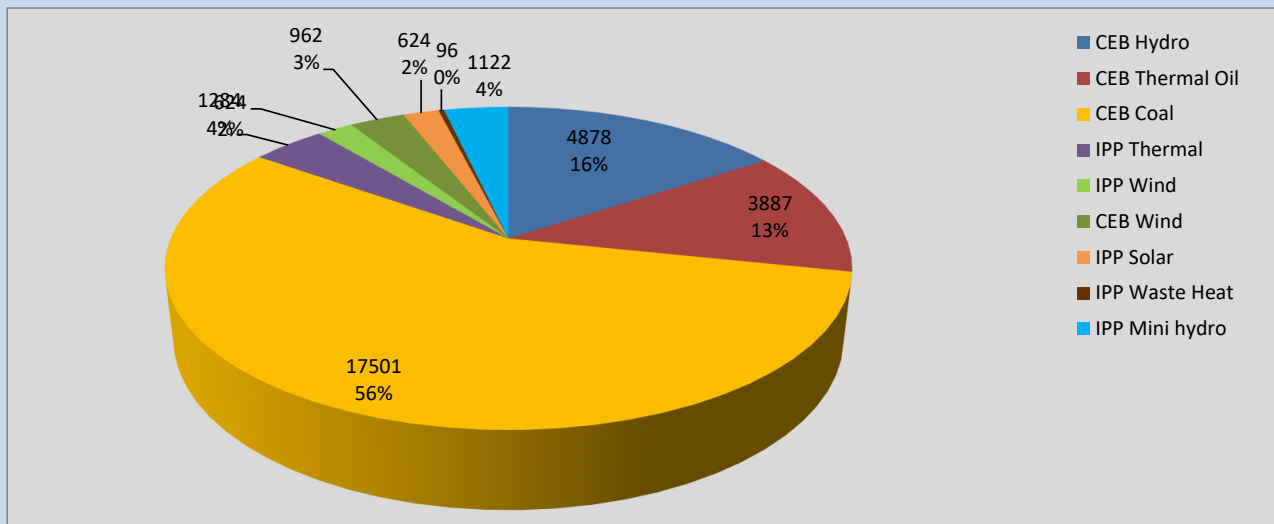
# Generation and Reservoirs Statistics

April 15, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **30,648 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

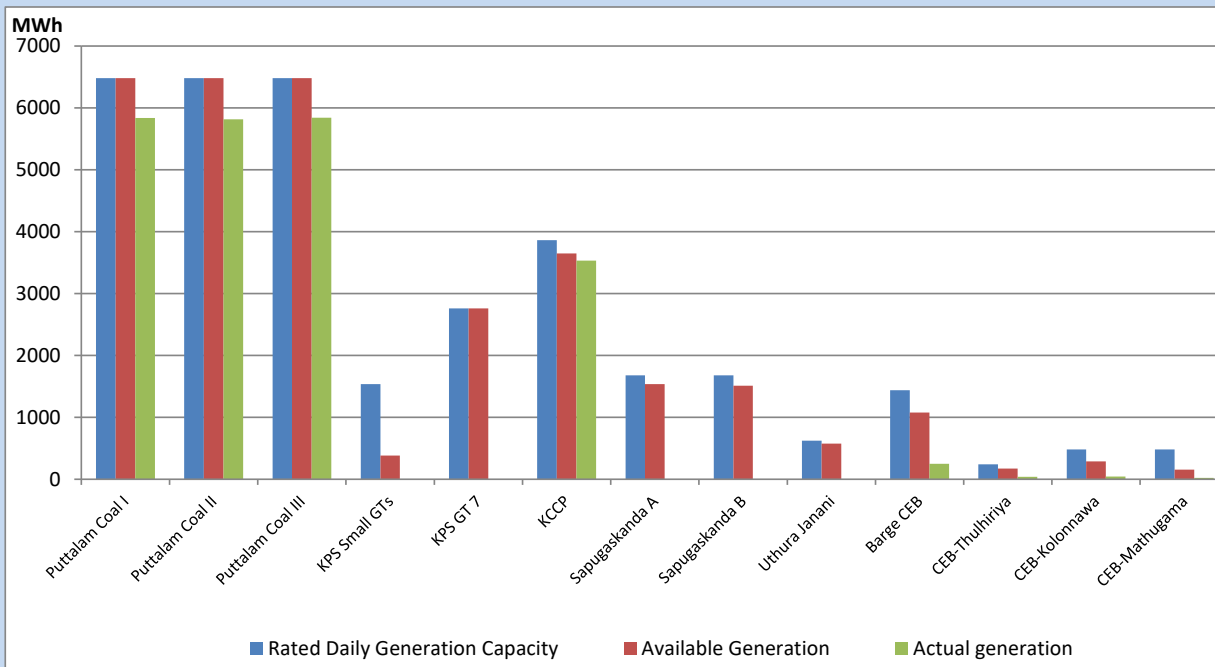
Category	Dispatch (GWh)	Percentage
CEB Hydro	112.19	21.09%
CEB Thermal Oil	46.94	8.82%
CEB Coal	284.22	53.43%
IPP Thermal	55.40	10.41%
SPP Wind	3.42	0.64%
CEB Wind	4.49	0.84%
SPP Solar	3.73	0.70%
SPP Solid Waste	3.17	0.60%
Mini Hydro	18.40	3.46%
<b>Total</b>	<b>531.96</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,042.1	23.42%
CEB Thermal Oil	688.1	15.46%
CEB Coal	1,834.7	41.23%
IPP Thermal	648.3	14.57%
SPP Wind	45.8	1.03%
CEB Wind	58.3	1.31%
SPP Solar	27.4	0.61%
SPP Solid Waste	20.9	0.47%
Mini Hydro	84.8	1.91%
<b>Total</b>	<b>4,450.1</b>	

## CEB owned Thermal Plant Dispatch

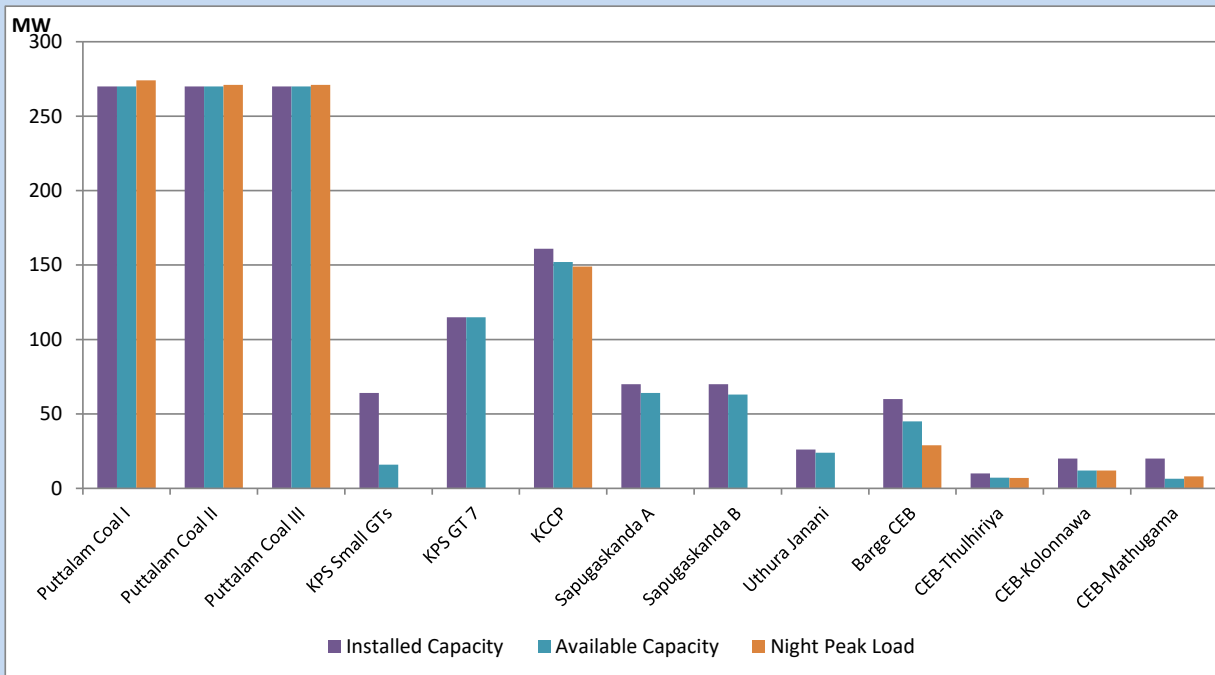
April 15, 2022



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

April 16, 2022

## CEB owned Thermal Plant Loading at the Night Peak



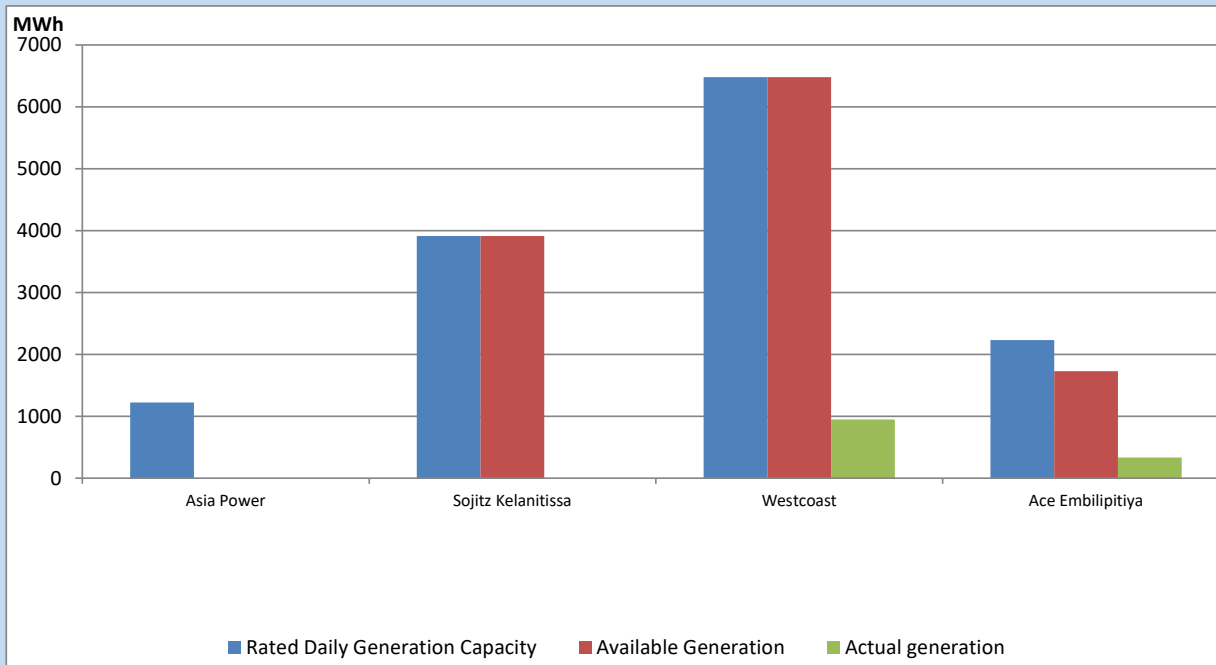
Note- Plant availability is recorded at 6.00 am on

April 16, 2022

## IPP owned Thermal Plant Dispatch

April 15, 2022

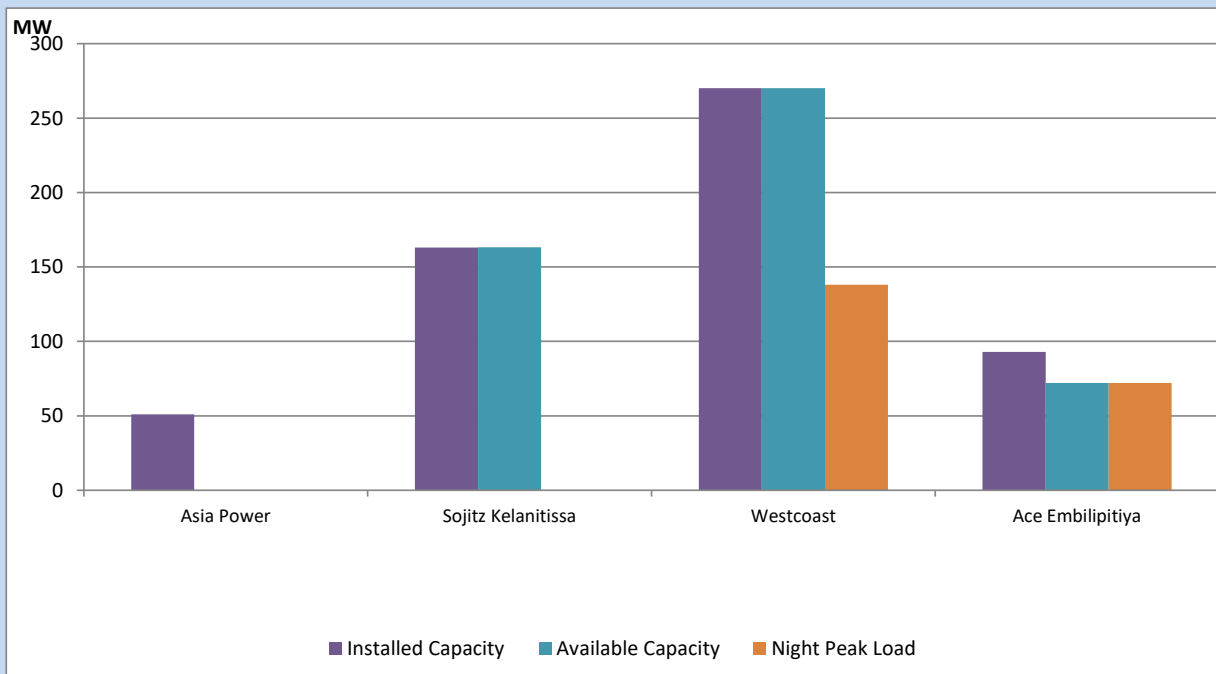
ACE Matara, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

April 16, 2022

## IPP owned Thermal Plant Loading at the Night Peak

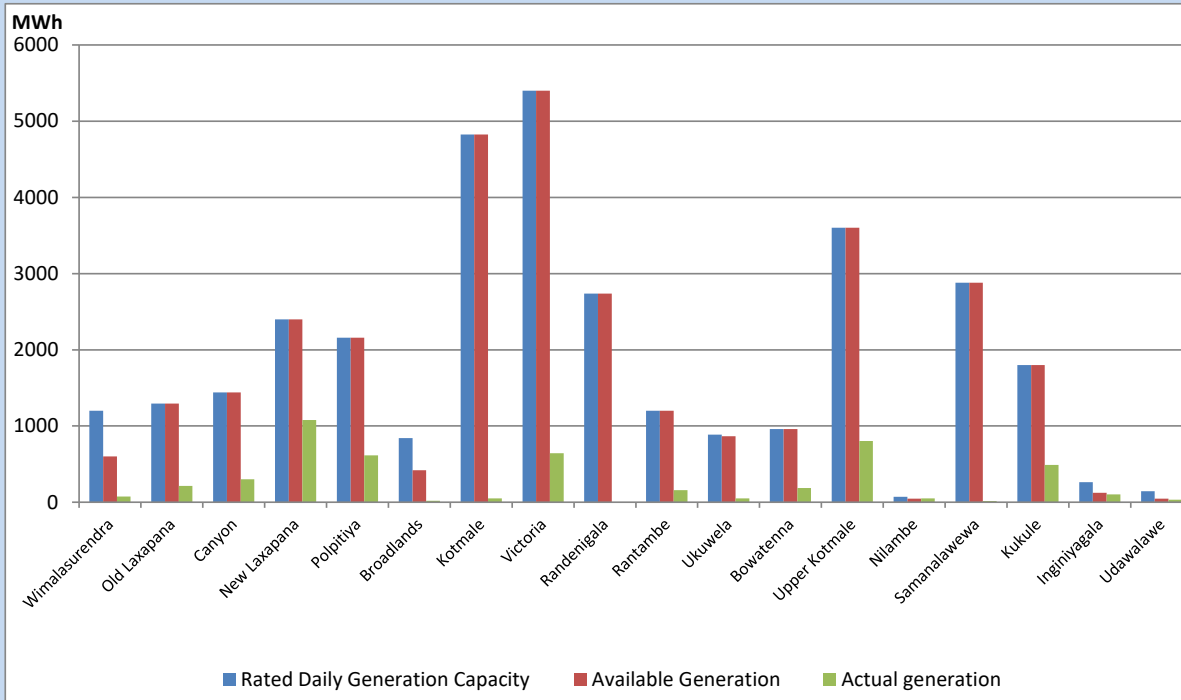


Note- Plant availability is recorded at 6.00 am on

April 16, 2022

## Major Hydro Plant Dispatch

April 15, 2022

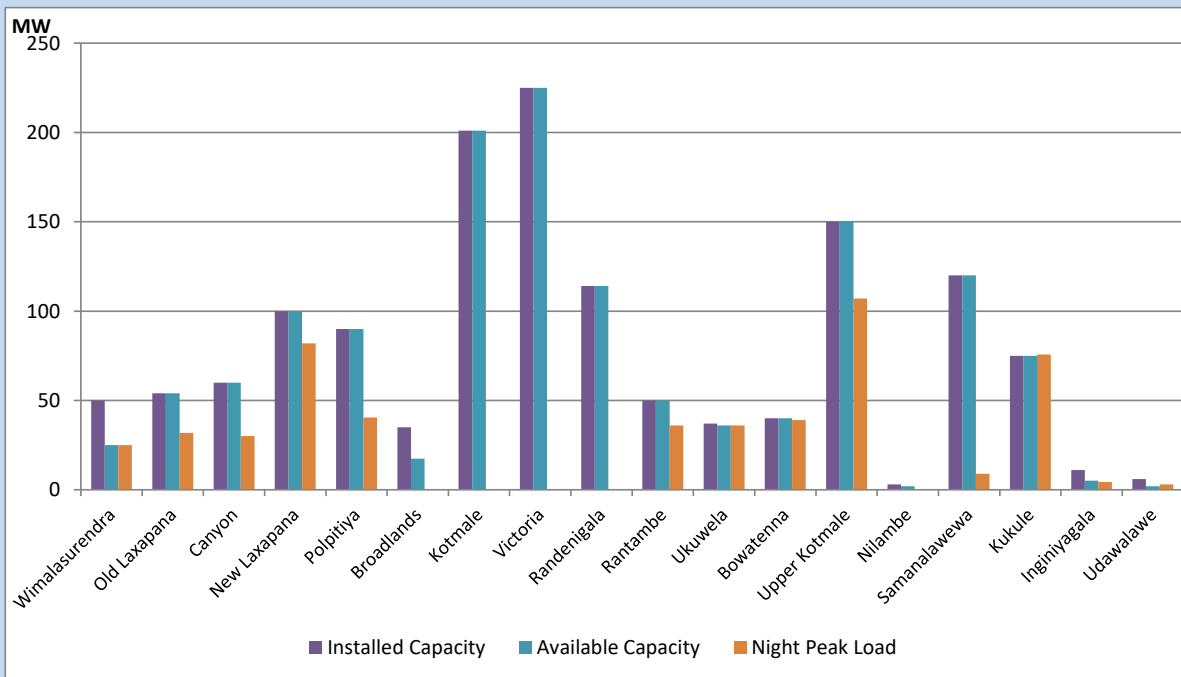


Available Generation is estimated based on plant availability at 6.00am on April 16, 2022  
 Broadlands power plant is operating in the Commissioning Stage

April 16, 2022

## Major Hydro Plant Loading at Night Peak

April 15, 2022



Note- Plant availability is recorded at 6.00 am on April 16, 2022  
 Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

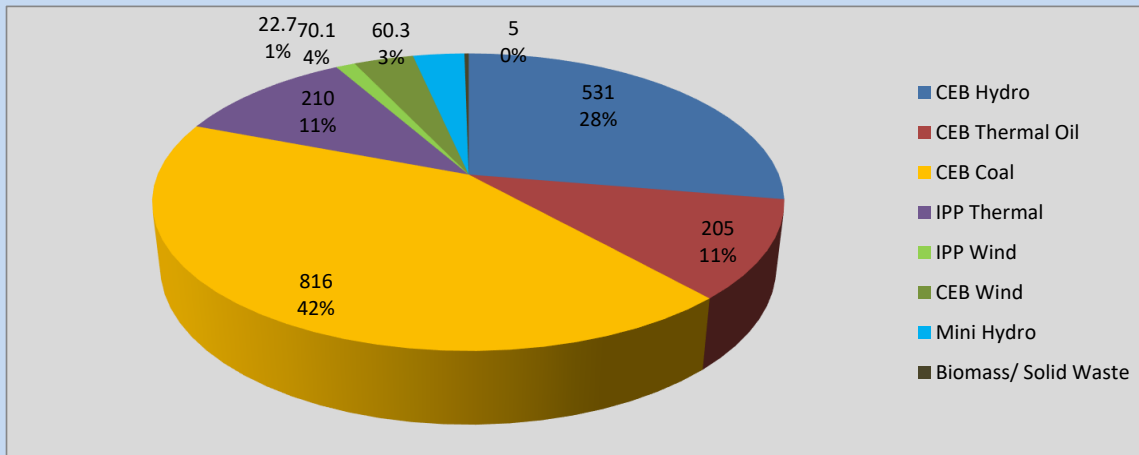
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	73
Old Laxapana	54	54	32	213
Canyon	60	60	30	300
New Laxapana	100	100	82	1,079
Polpitiya	90	90	40	615
Broadlands	35	18	0	18
Kotmale	201	201	0	50
Victoria	225	225	0	641
Randenigala	114	114	0	0
Rantambe	50	50	36	159
Ukuwela	37	36	36	49
Bowatenna	40	40	39	185
Upper Kotmale	150	150	107	804
Nilambe	3	2	0	51
Samanalawewa	120	120	9	14
Kukule	75	75	76	491
Inginiyagala	11	5	4	102
Udawalawe	6	2	3	34
Puttalam Coal I	270	270	274	5,839
Puttalam Coal II	270	270	271	5,818
Puttalam Coal III	270	270	271	5,844
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	149	3,534
Sapugaskanda A	70	64	0	0
Sapugaskanda B	70	63	0	0
Uthura Janani	26	24	0	0
Barge CEB	60	45	29	249
CEB-Thulhiriya	10	7	7	38
CEB-Kolonnawa	20	12	12	42
CEB-Mathugama	20	6	8	24
Asia Power	51	0	0	0
Sojitz Kelanitissa	163	163	0	0
West Coast	270	270	138	949
ACE Embilipitiya	93	72	72	335
<b>Total</b>	<b>3,424</b>	<b>3,186</b>	<b>1,908</b>	<b>30,648</b>

Plant availability is the availability recorded at 6 am on

April 16, 2022

## Contribution to the Night Peak in MW

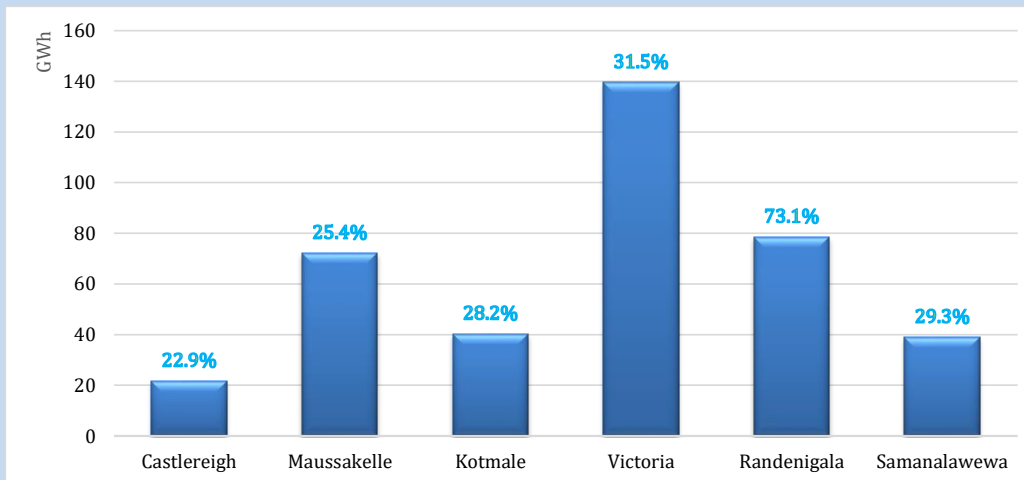
April 15, 2022



Night Peak*	1,920.3 MW
Day Peak	1,130.8 MW
Minimum Demand	1,042.2 MW

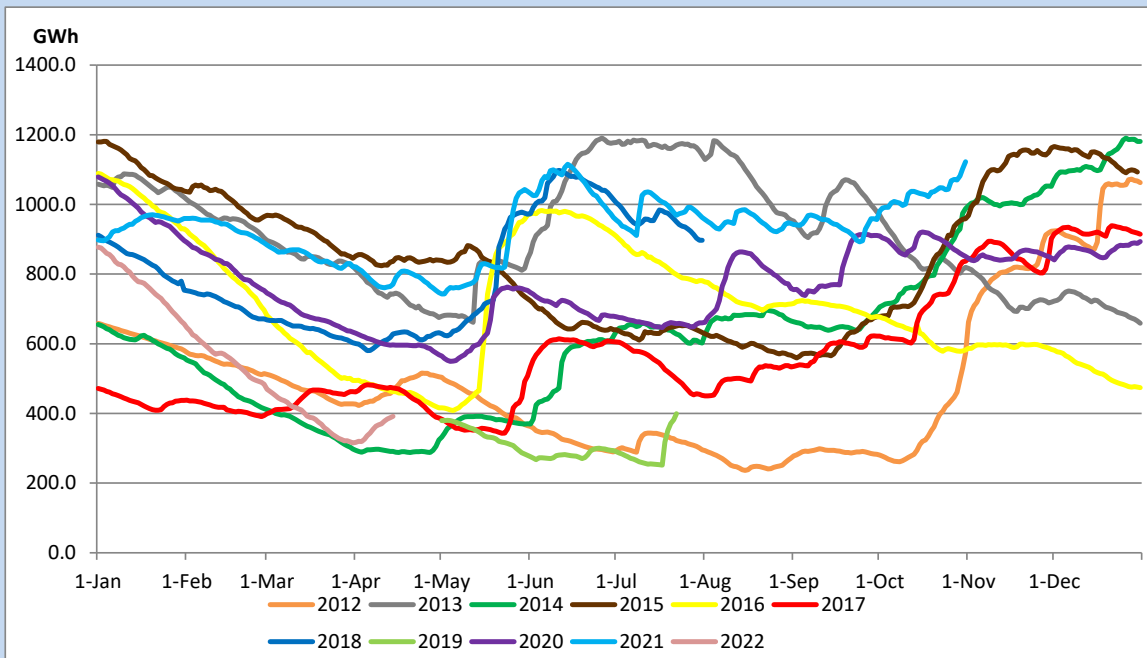
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on April 16, 2022



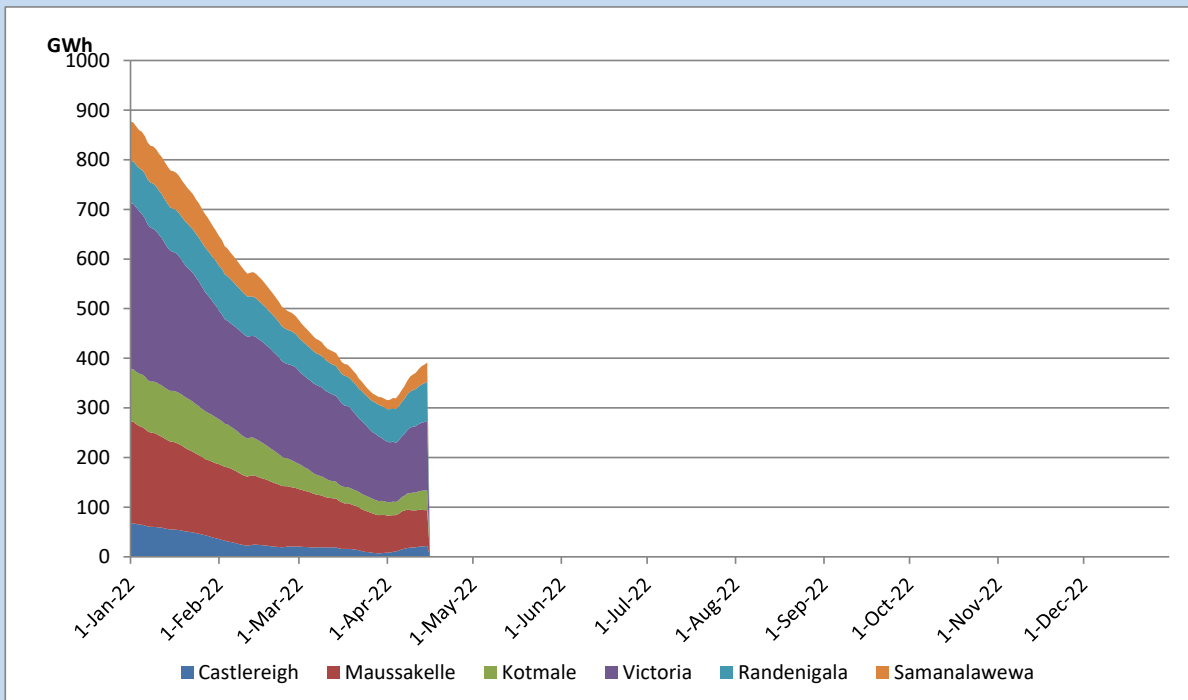
Total Reservoir Level	391.4 GWh
% of Total capacity	35.1%

## Comparison of Total Reservoir Storage Levels with Past Years



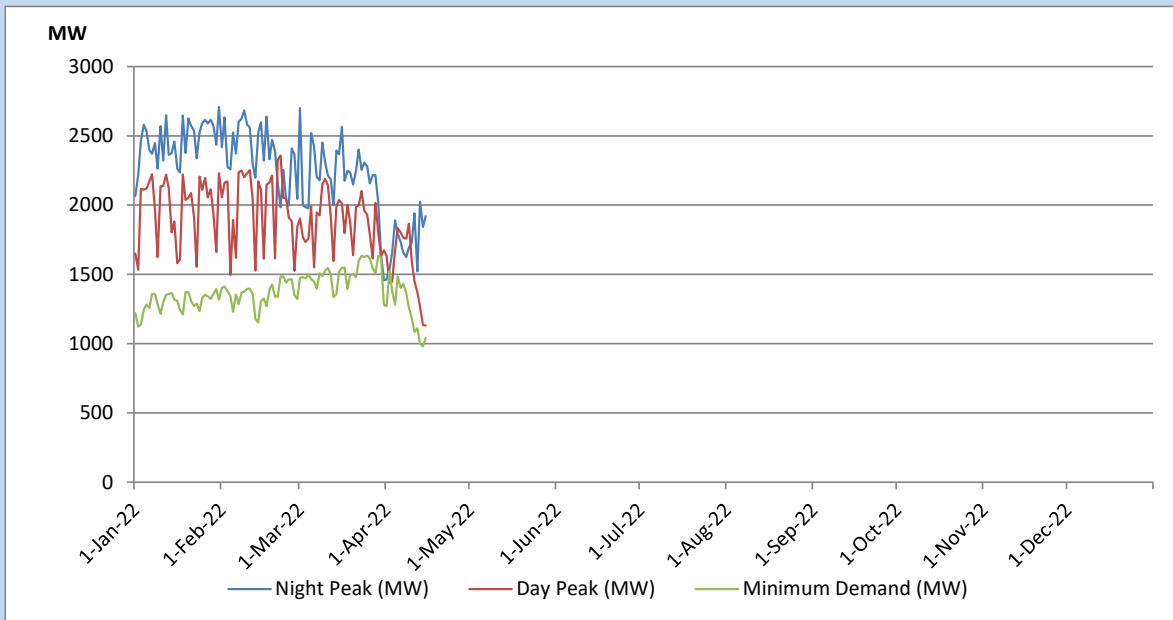
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

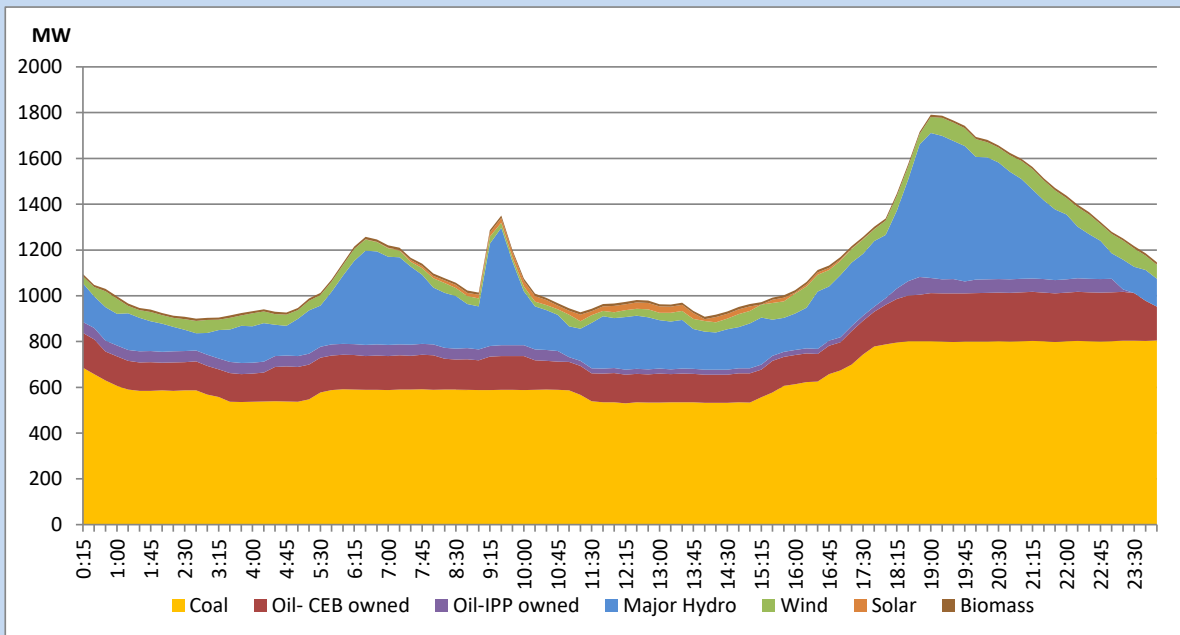


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

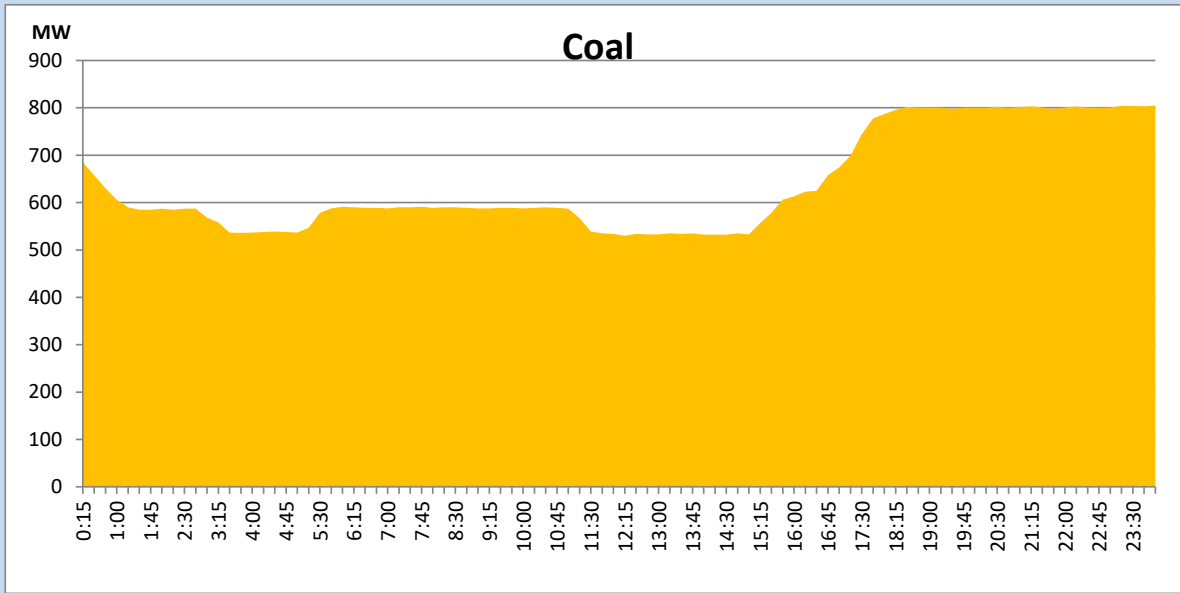
April 14, 2022

Solar and wind data is based on Telemetered Power Stations only



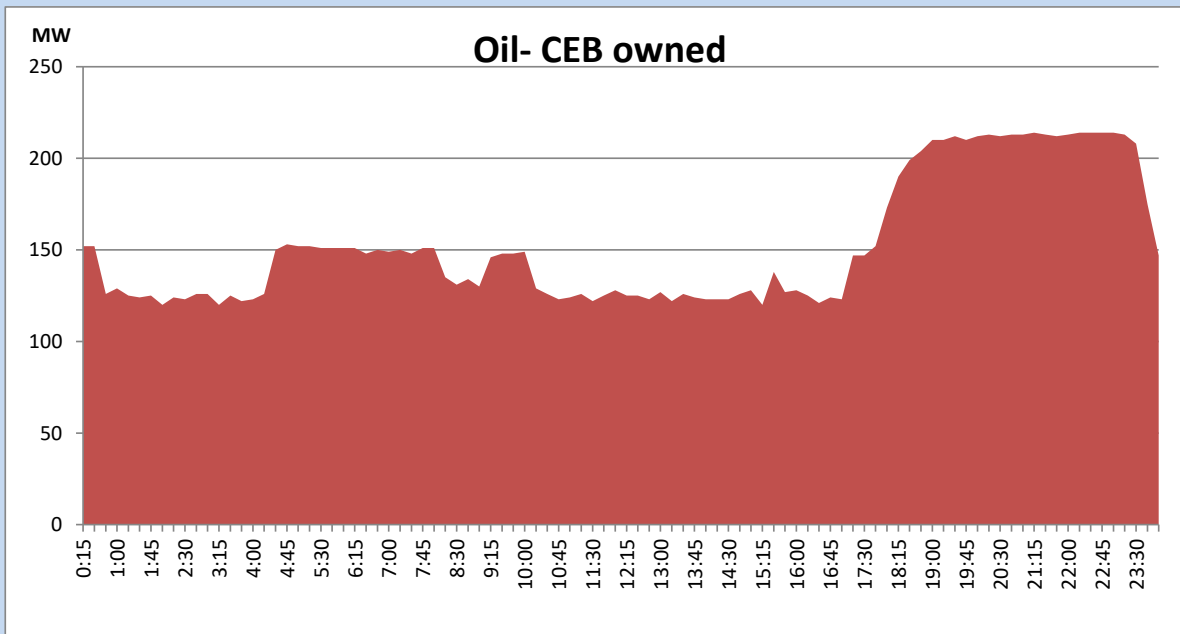
## Coal Generation during the Previous day

April 14, 2022



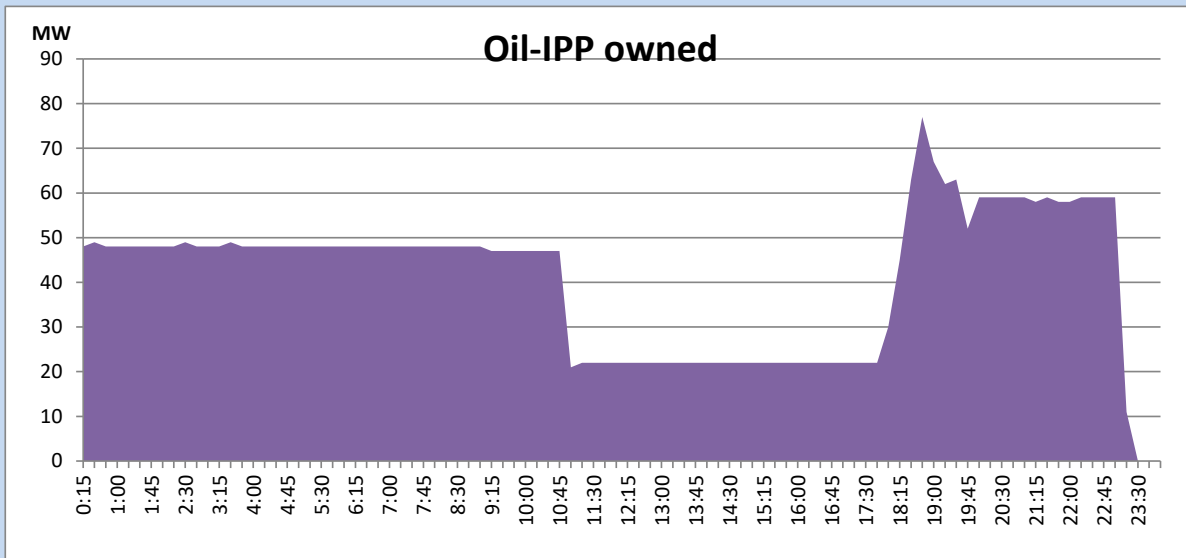
## CEB Oil Plant Generation during the Previous day

April 14, 2022



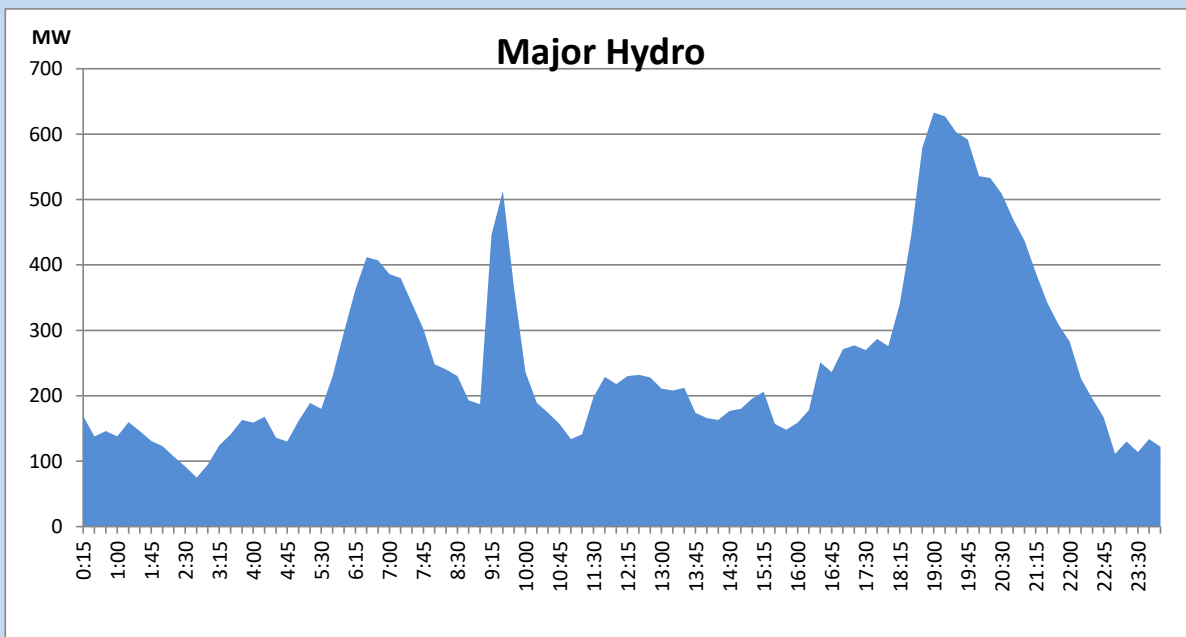
## IPP Oil Plant Generation during the Previous day

April 14, 2022



## Major Hydro Generation during the Previous day

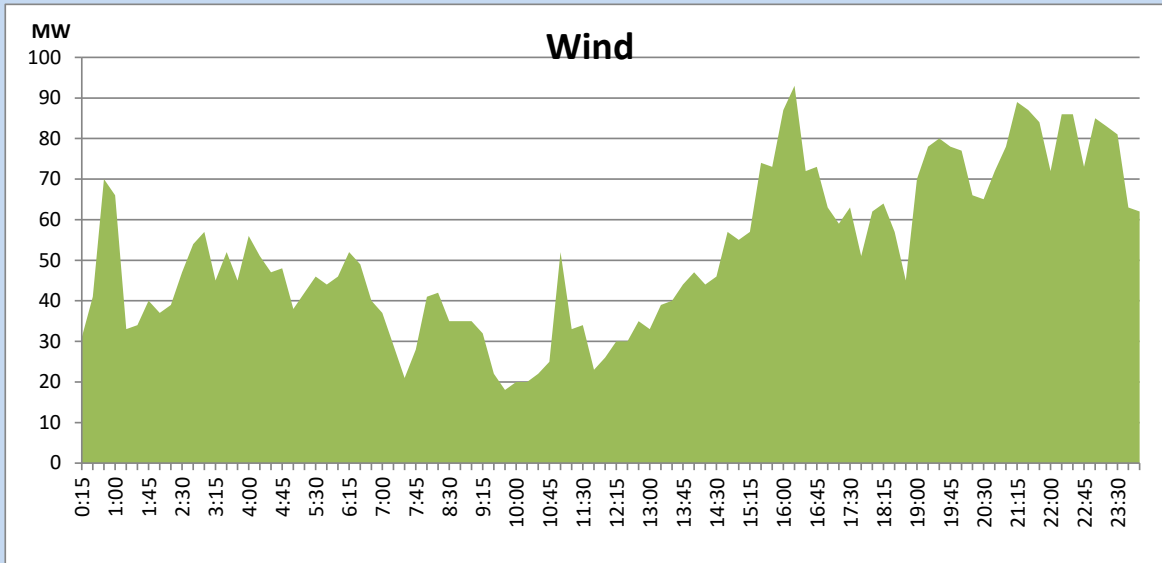
April 14, 2022



## Wind Generation during the Previous day

April 14, 2022

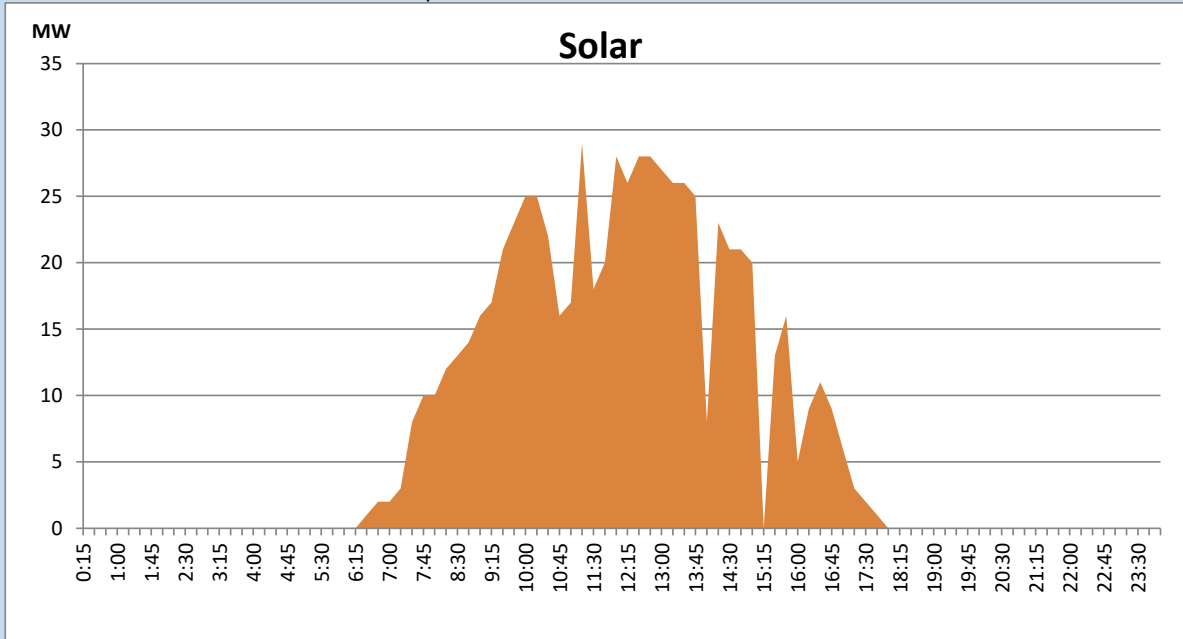
Based on Telemetered Power Stations only



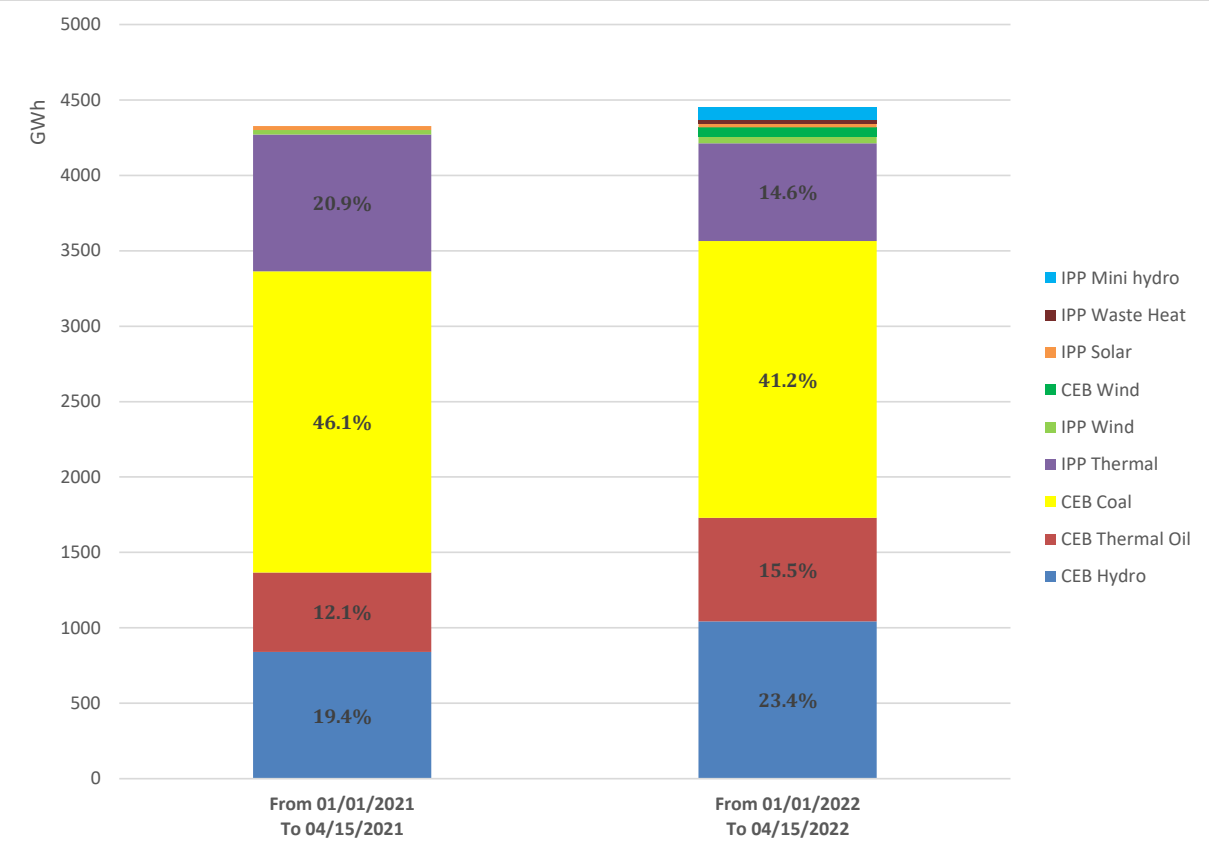
## Solar Generation during the Previous day

April 14, 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 & 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

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

April 16, 2022

1) Kolonnawa GIS 132/33 T/F 02 tripped at 00:47hrs on 16/04/2022 with indication of 'mechanical tripping'. T/F 02 energized at 04:01hrs.