

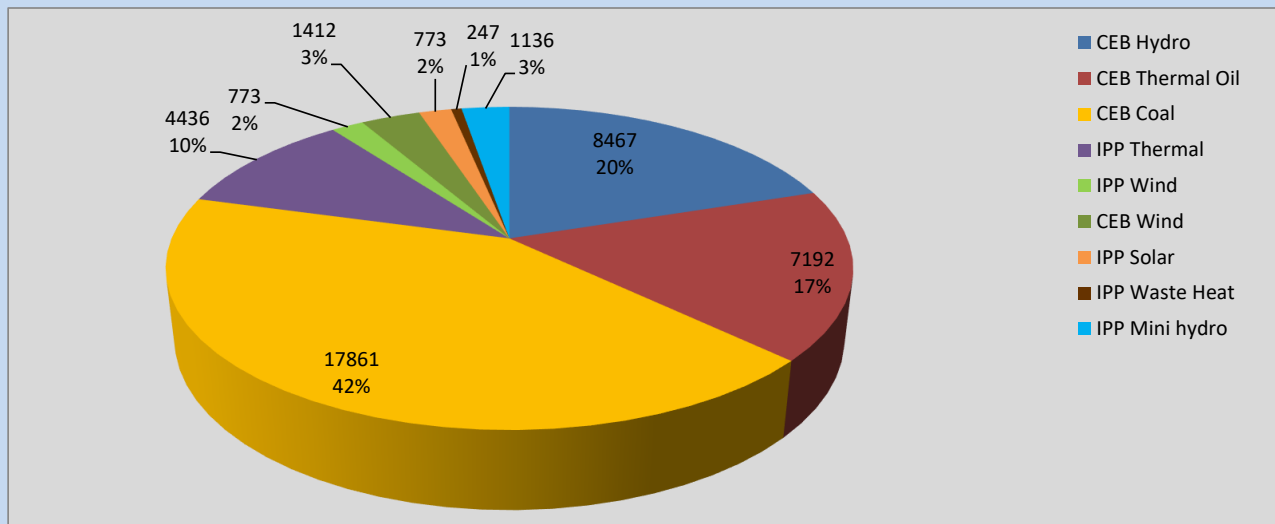
# Generation and Reservoirs Statistics

April 30, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation

41,839 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

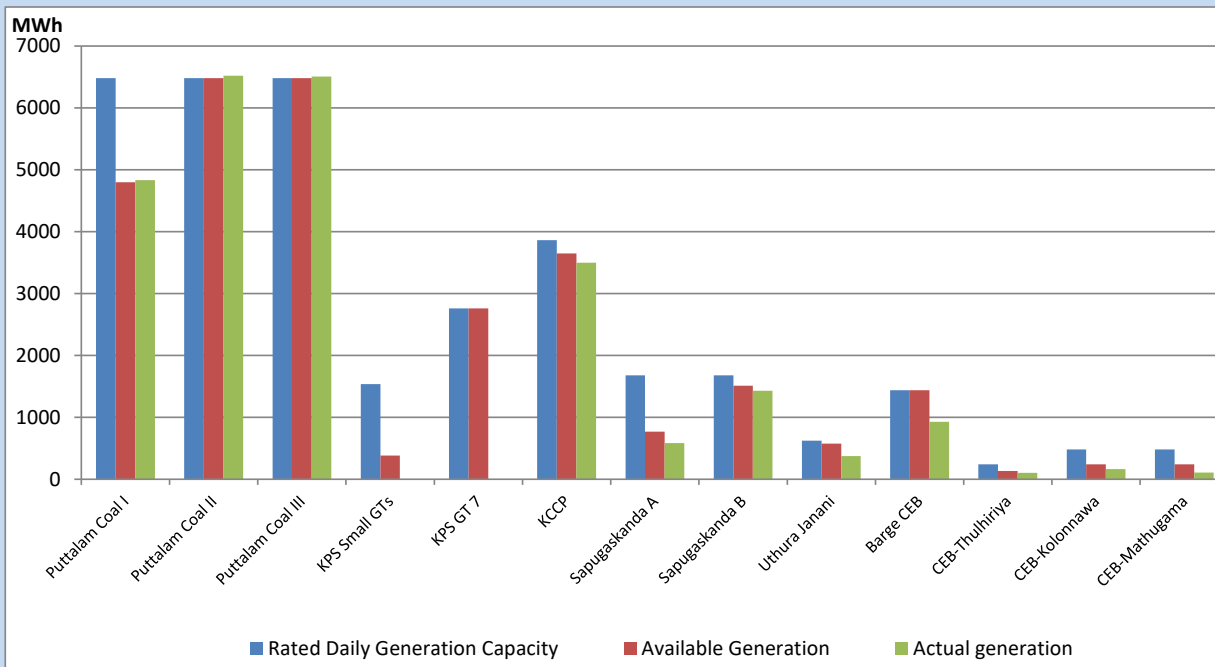
Category	Dispatch (GWh)	Percentage
CEB Hydro	218.37	19.19%
CEB Thermal Oil	144.34	12.69%
CEB Coal	569.86	50.08%
IPP Thermal	135.36	11.90%
SPP Wind	8.60	0.76%
CEB Wind	11.89	1.04%
SPP Solar	7.68	0.67%
SPP Solid Waste	6.08	0.53%
Mini Hydro	35.66	3.13%
<b>Total</b>	<b>1,137.84</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	1,148.3	22.71%
CEB Thermal Oil	785.5	15.54%
CEB Coal	2,120.3	41.94%
IPP Thermal	728.3	14.40%
SPP Wind	51.0	1.01%
CEB Wind	65.7	1.30%
SPP Solar	31.3	0.62%
SPP Solid Waste	23.8	0.47%
Mini Hydro	102.1	2.02%
<b>Total</b>	<b>5,055.9</b>	

## CEB owned Thermal Plant Dispatch

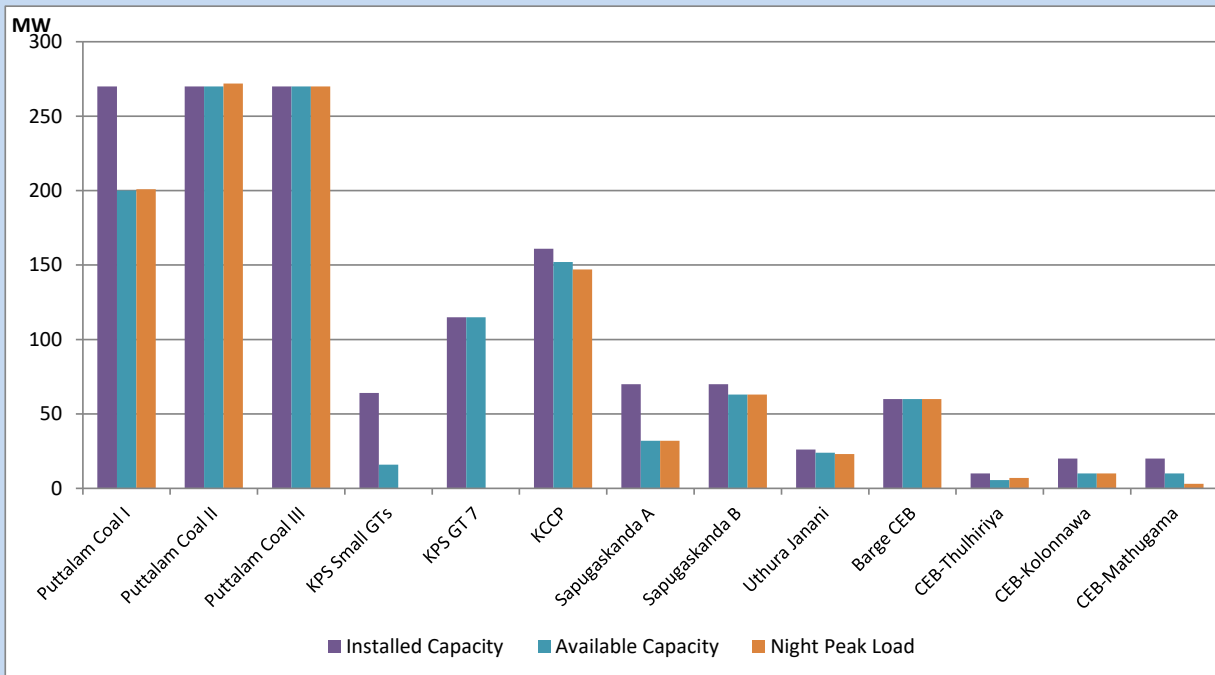
April 30, 2022



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

May 1, 2022

## CEB owned Thermal Plant Loading at the Night Peak



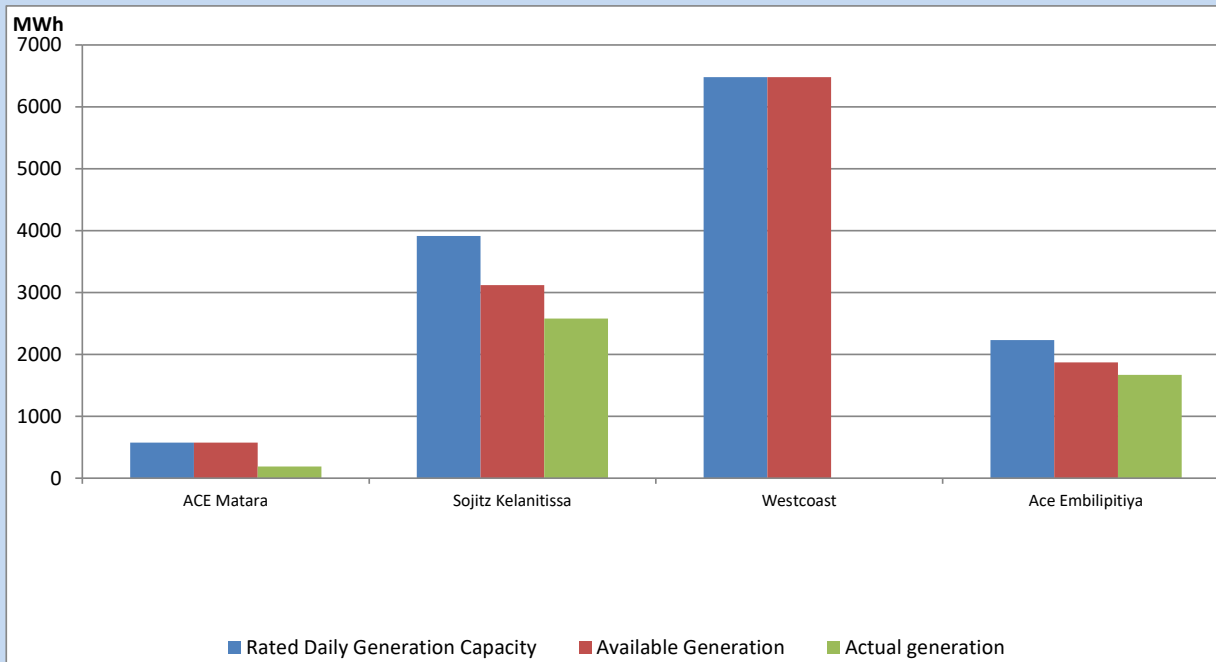
Note- Plant availability is recorded at 6.00 am on

May 1, 2022

## IPP owned Thermal Plant Dispatch

April 30, 2022

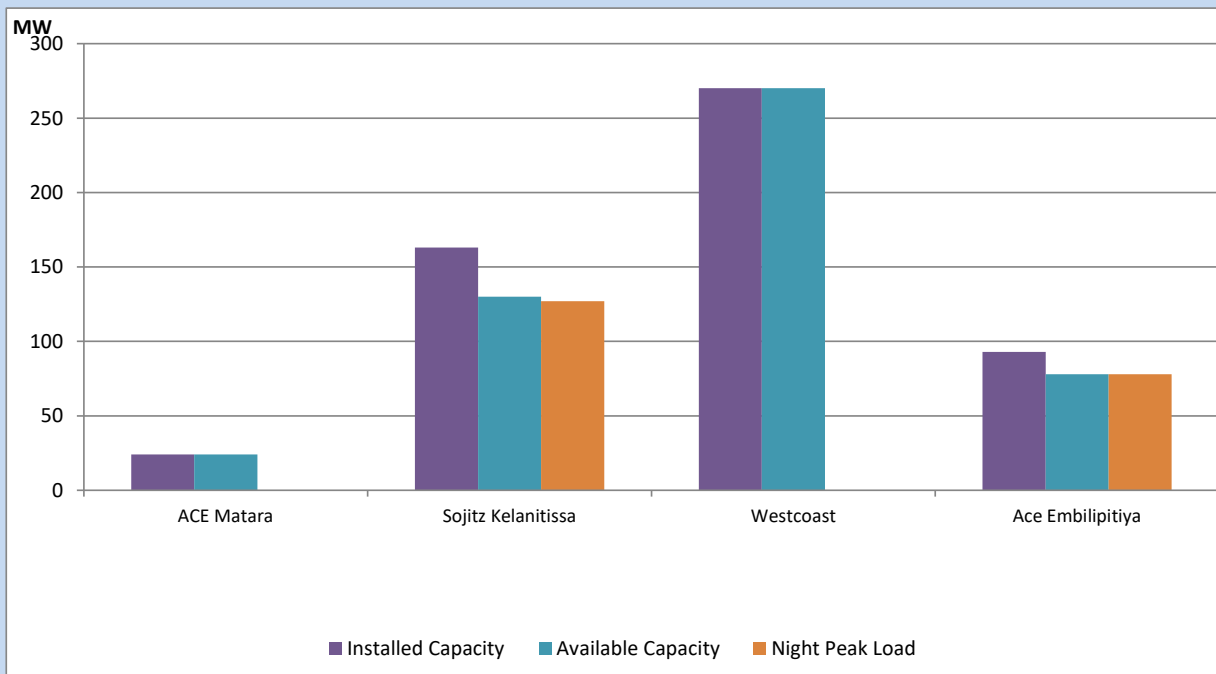
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

May 1, 2022

## IPP owned Thermal Plant Loading at the Night Peak

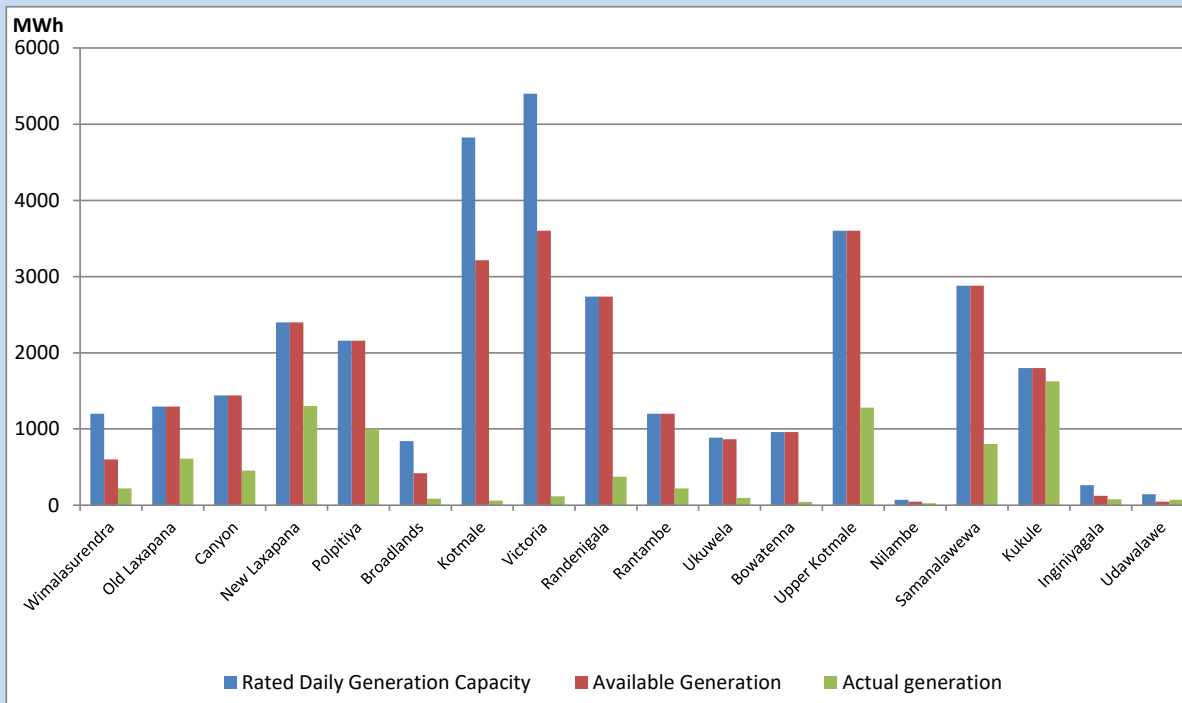


Note- Plant availability is recorded at 6.00 am on

May 1, 2022

## Major Hydro Plant Dispatch

April 30, 2022

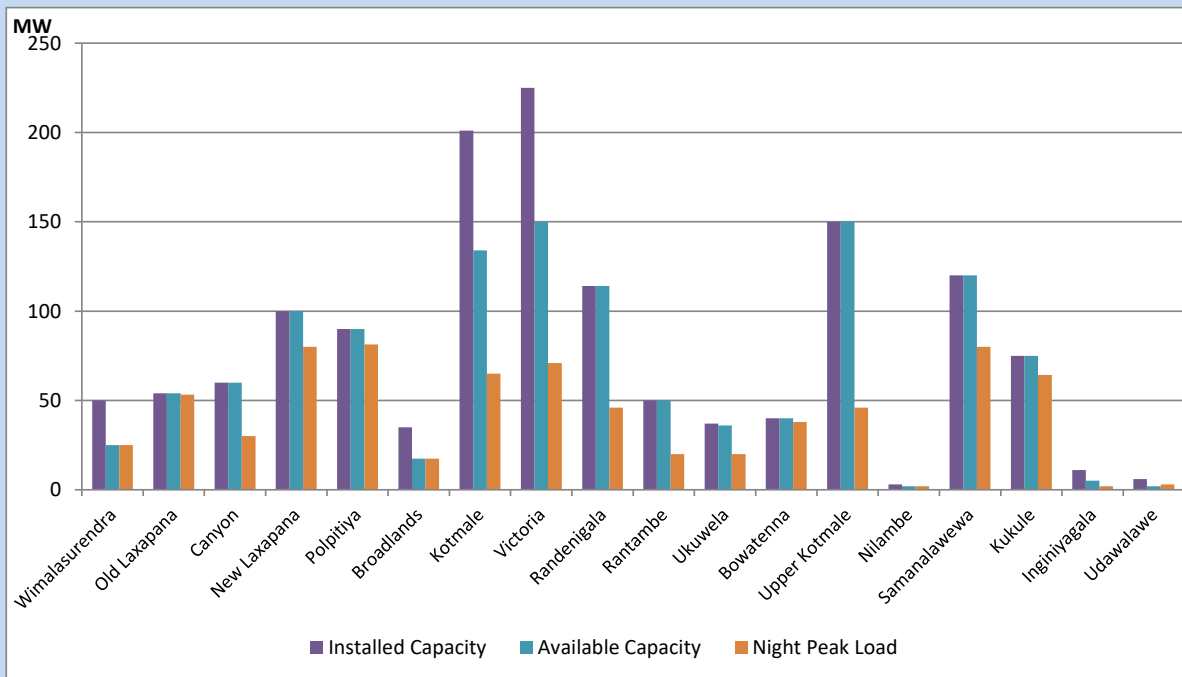


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

May 1, 2022

## Major Hydro Plant Loading at Night Peak

April 30, 2022



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

May 1, 2022

## Summary of Major Plant performance

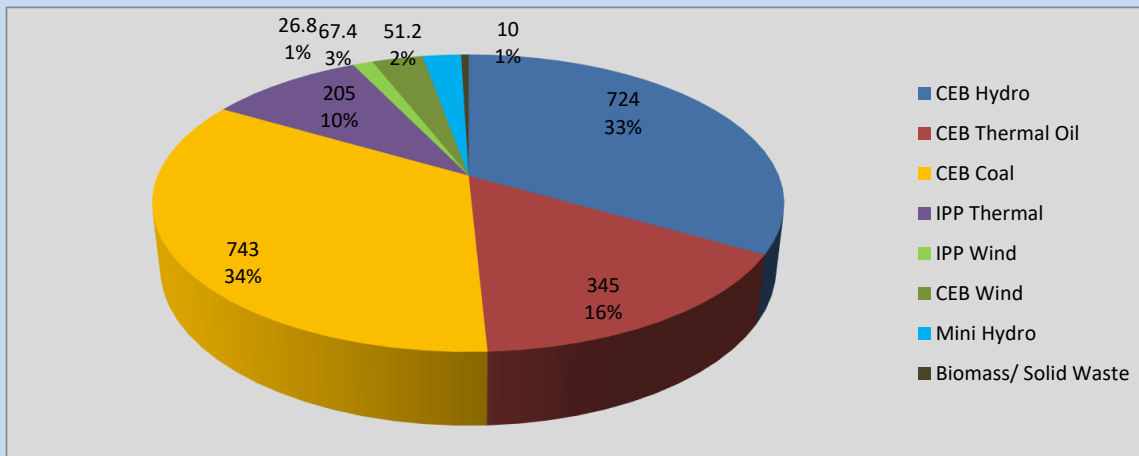
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	220
Old Laxapana	54	54	53	610
Canyon	60	60	30	454
New Laxapana	100	100	80	1,302
Polpitiya	90	90	81	1,003
Broadlands	35	18	18	84
Kotmale	201	134	65	60
Victoria	225	150	71	116
Randenigala	114	114	46	374
Rantambe	50	50	20	221
Ukuwela	37	36	20	95
Bowatenna	40	40	38	44
Upper Kotmale	150	150	46	1,280
Nilambe	3	2	2	27
Samanalawewa	120	120	80	804
Kukule	75	75	64	1,624
Inginiyagala	11	5	2	78
Udawalawe	6	2	3	71
Puttalam Coal I	270	200	201	4,835
Puttalam Coal II	270	270	272	6,519
Puttalam Coal III	270	270	270	6,507
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	152	147	3,498
Sapugaskanda A	70	32	32	583
Sapugaskanda B	70	63	63	1,432
Uthura Janani	26	24	23	374
Barge CEB	60	60	60	928
CEB-Thulhiriya	10	6	7	104
CEB-Kolonnawa	20	10	10	163
CEB-Mathugama	20	10	3	110
ACE Matara	24	24	0	188
Sojitz Kelanitissa	163	130	127	2,579
West Coast	270	270	0	0
ACE Embilipitiya	93	78	78	1,669
<b>Total</b>	<b>3,397</b>	<b>2,954</b>	<b>2,193</b>	<b>41,839</b>

Plant availability is the availability recorded at 6 am on

May 1, 2022

## Contribution to the Night Peak in MW

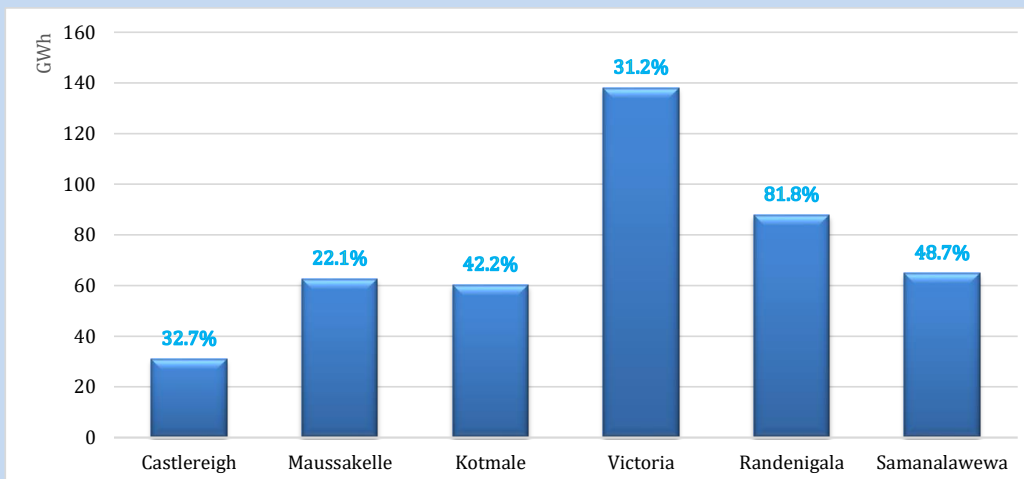
April 30, 2022



Night Peak*	2,172.5 MW
Day Peak	1,804.0 MW
Minimum Demand	1,461.9 MW

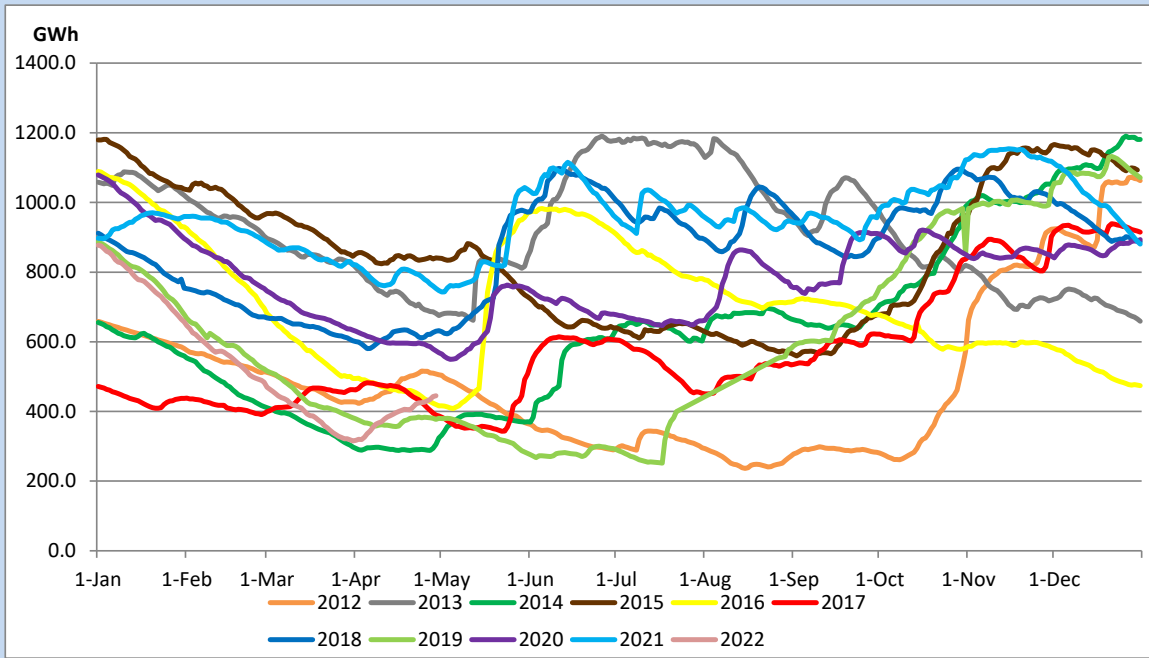
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

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



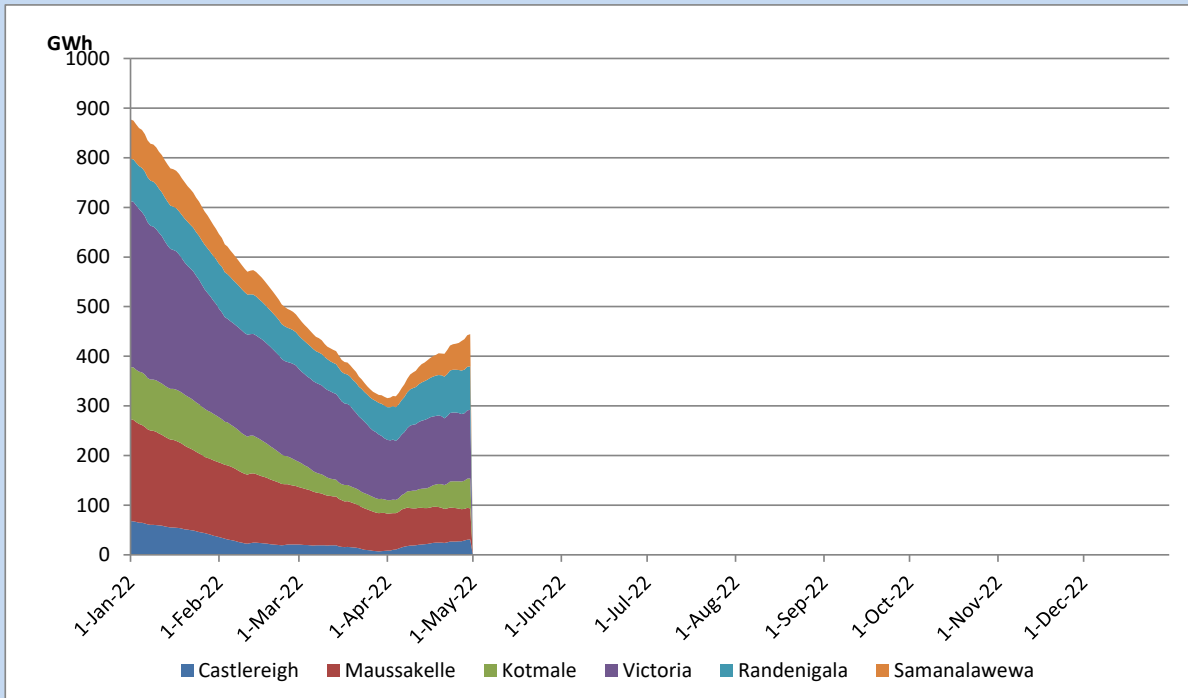
Total Reservoir Level	444.8 GWh
% of Total capacity	43.1%

## Comparison of Total Reservoir Storage Levels with Past Years



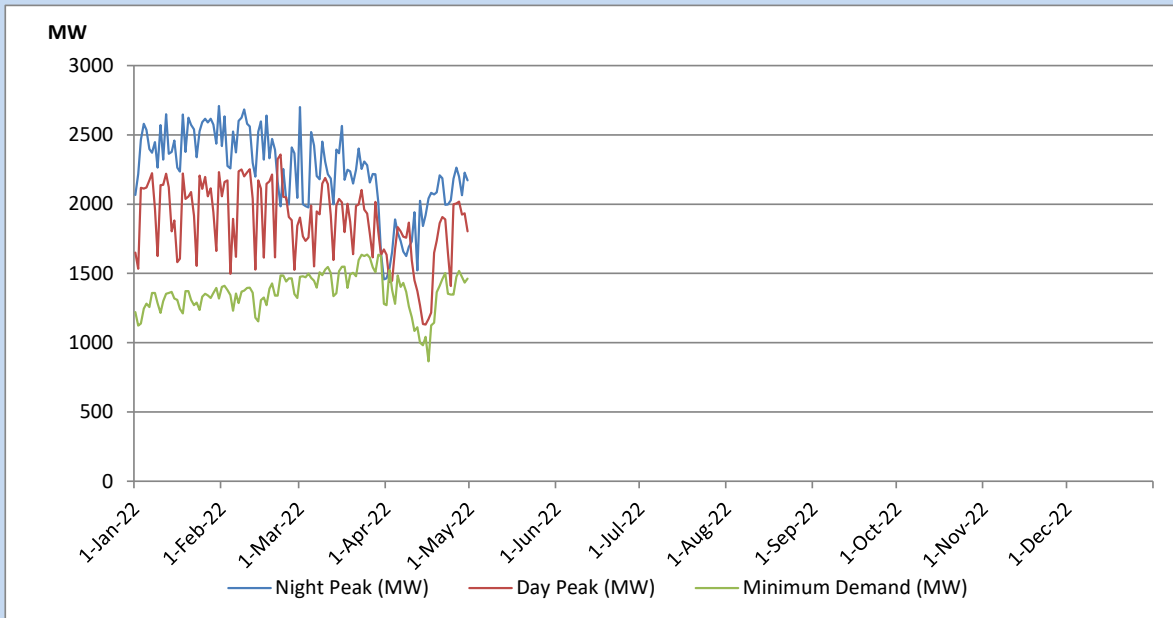
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

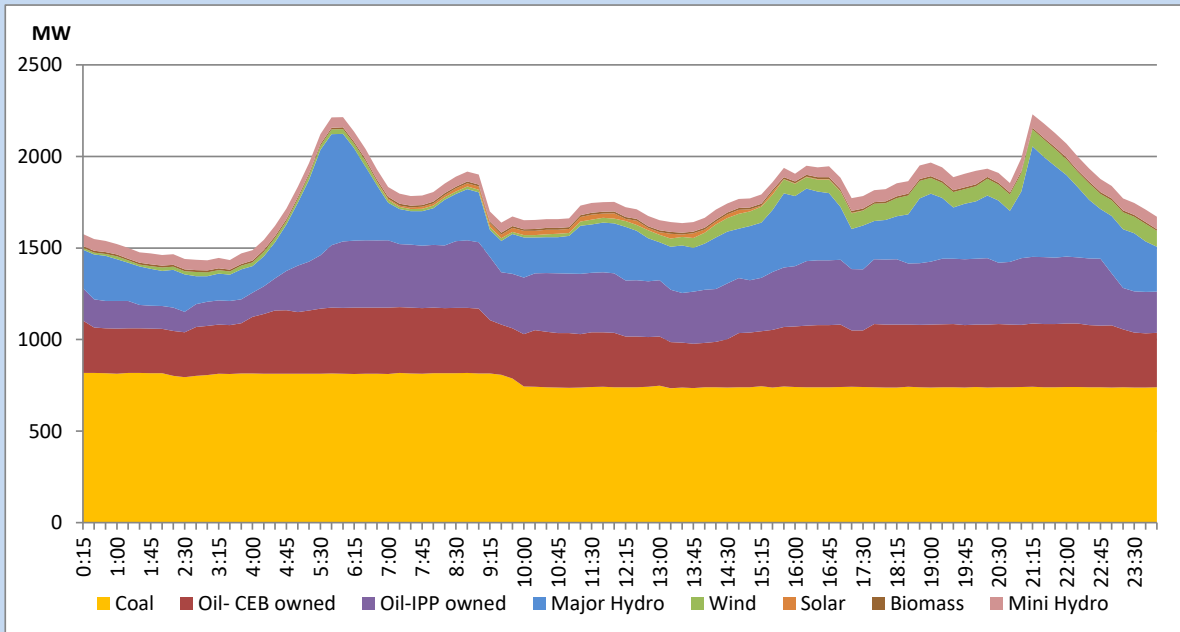


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

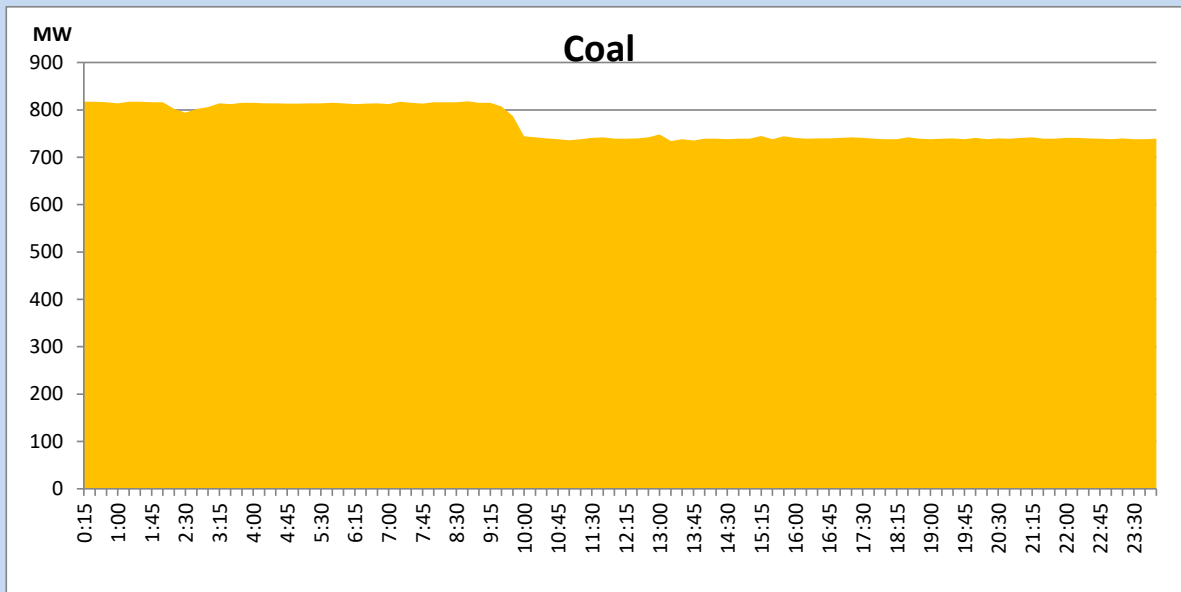
April 29, 2022

Solar and wind data is based on Telemetered Power Stations only



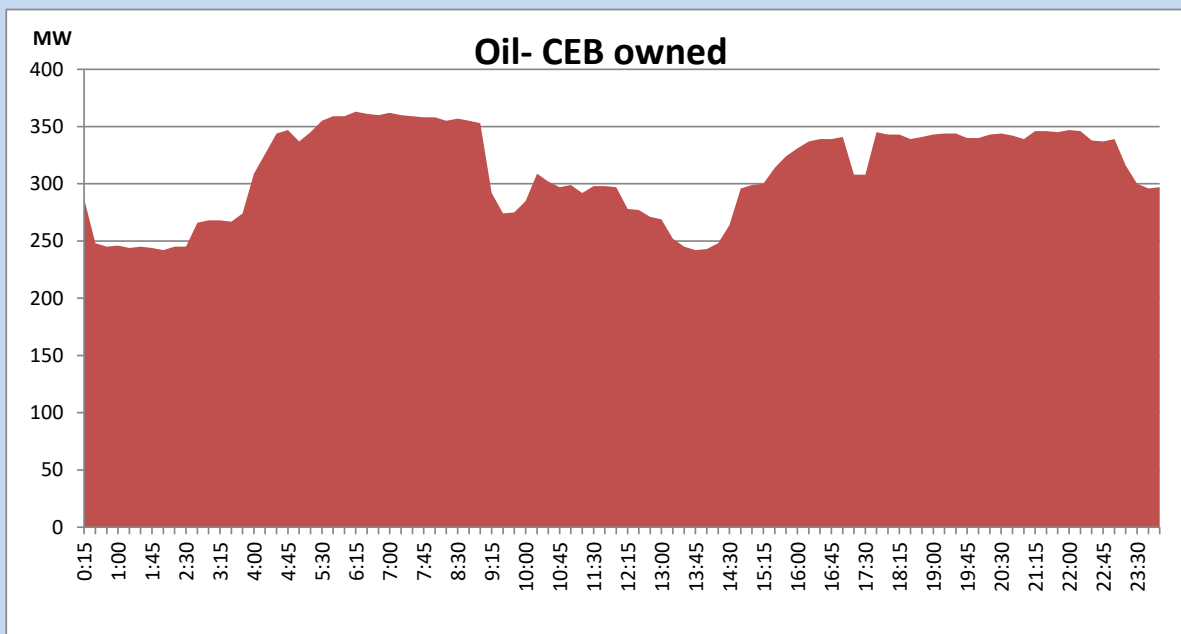
## Coal Generation during the Previous day

April 29, 2022



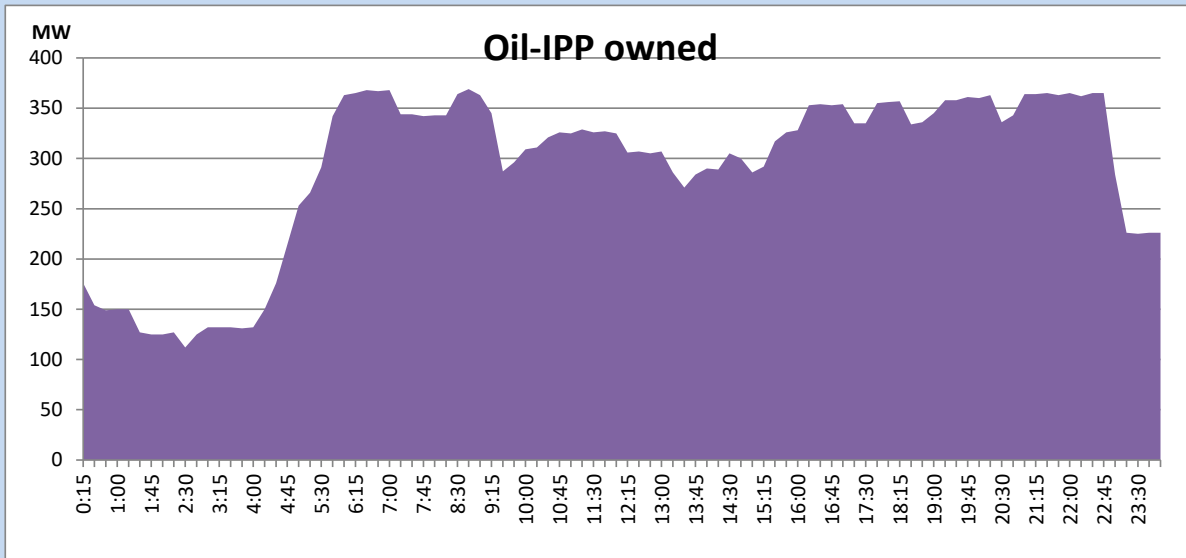
## CEB Oil Plant Generation during the Previous day

April 29, 2022



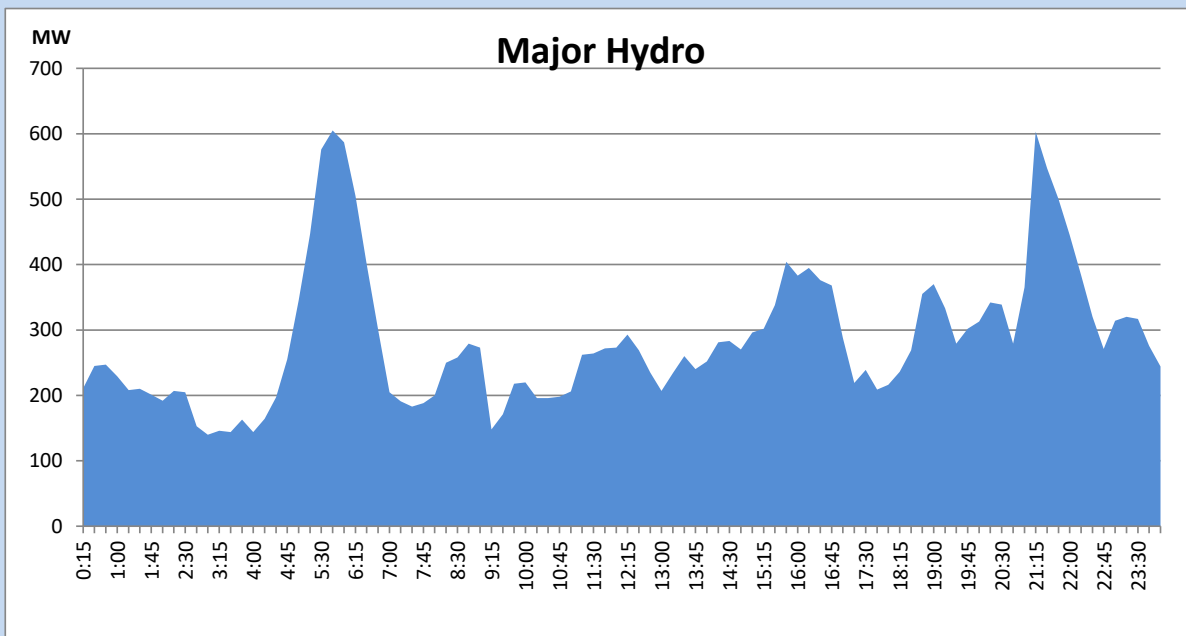
## IPP Oil Plant Generation during the Previous day

April 29, 2022



## Major Hydro Generation during the Previous day

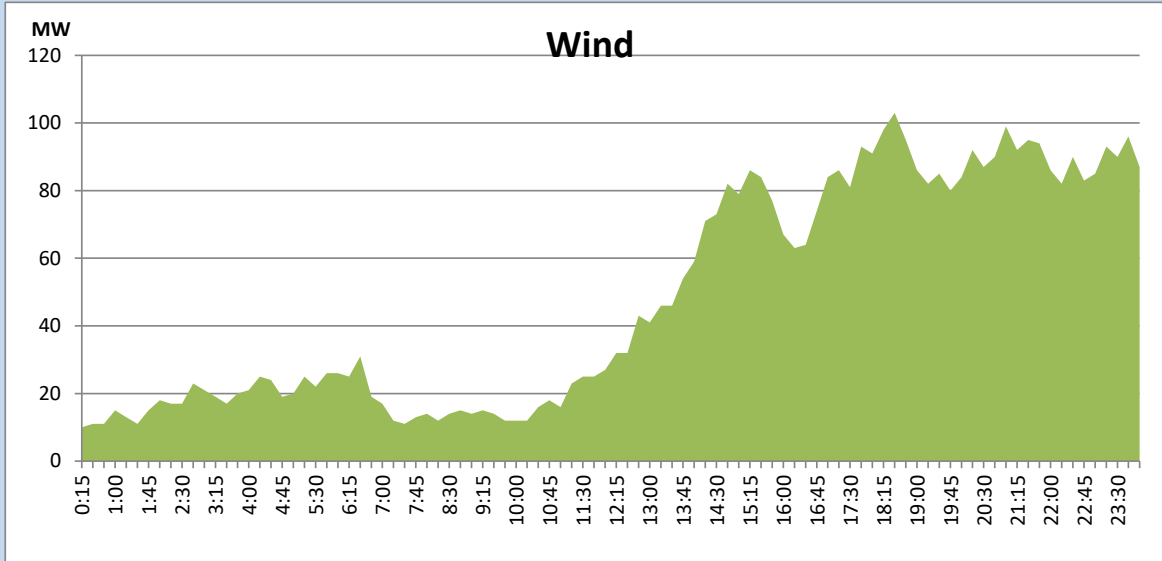
April 29, 2022



## Wind Generation during the Previous day

April 29, 2022

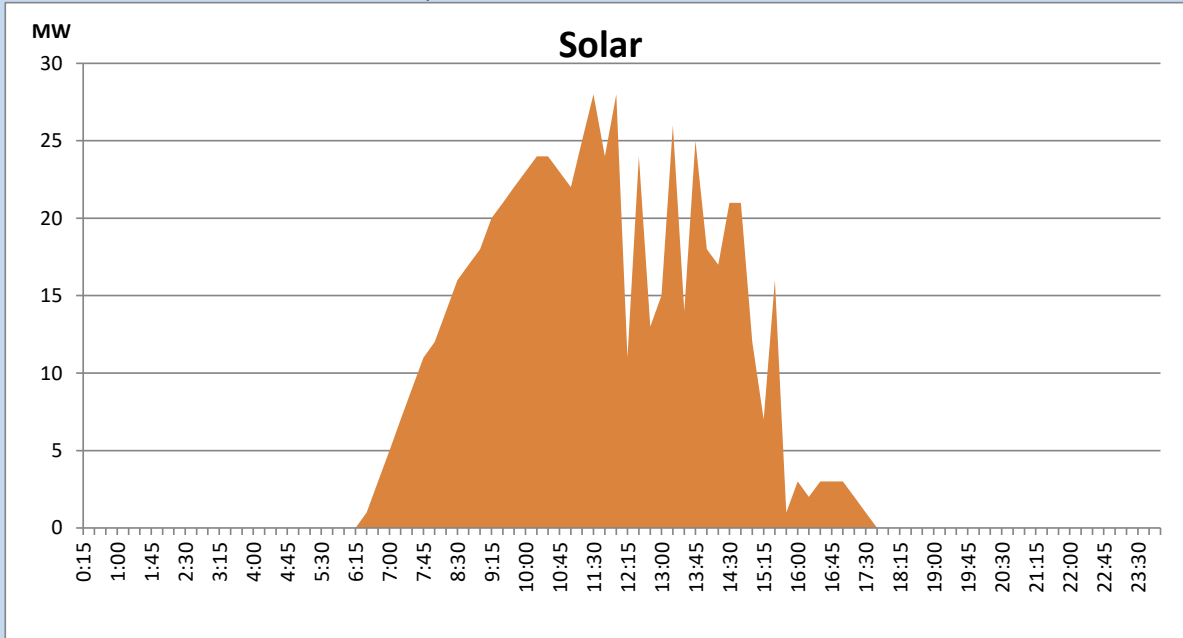
Based on Telemetered Power Stations only



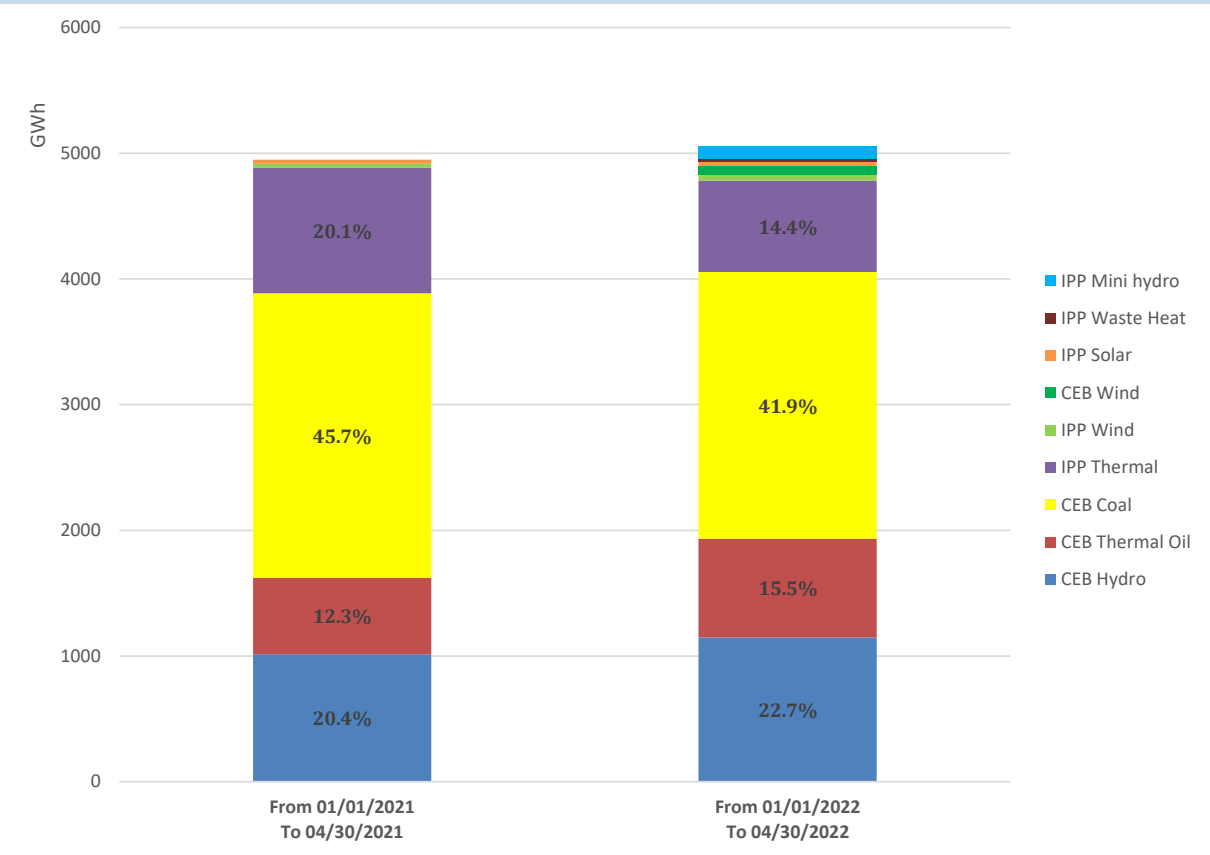
## Solar Generation during the Previous day

April 29, 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 1, 2022

- 1) Rotational manual load shedding was carried out from 6:00 hrs to 21:00 hrs.
- 2) Athurugiriya-Thulhiriya-Polpitiya cct which tripped on 29.03.2022 restored at 18:14hrs.
- 3) ACE Matara performed a forced shutdown at 19:27hrs due to lack of fuel.