

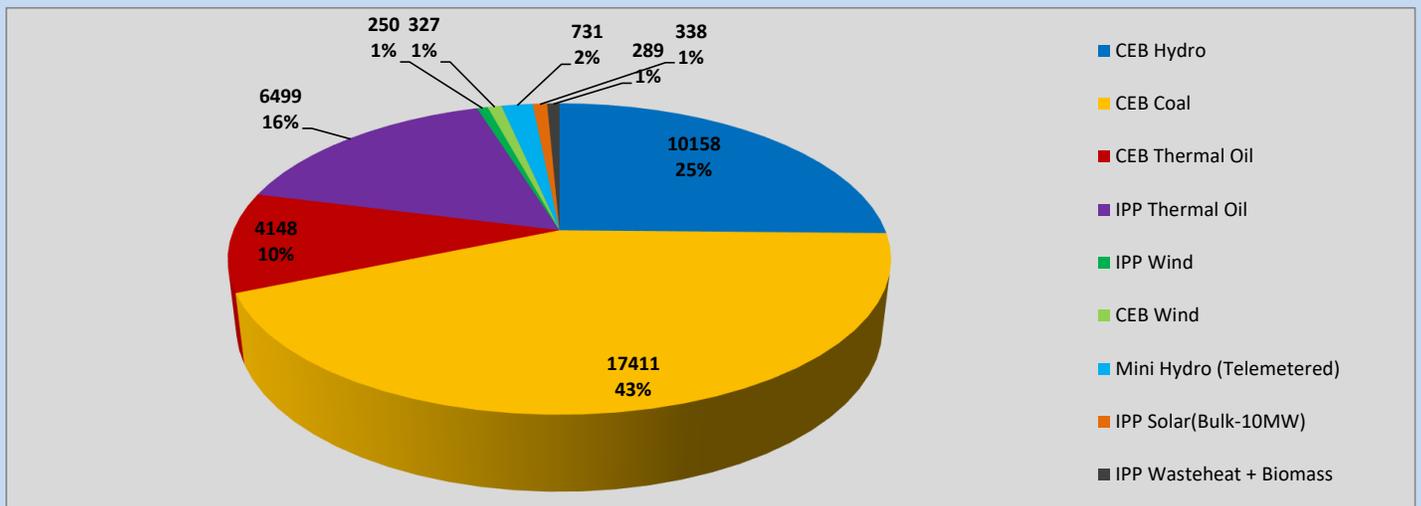
# Generation and Reservoirs Statistics

April 1, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,151 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 1649 MWh  
 Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh  
 Estimated Solar Roof Top PV = 1640 MWh

## Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

### For Current Month

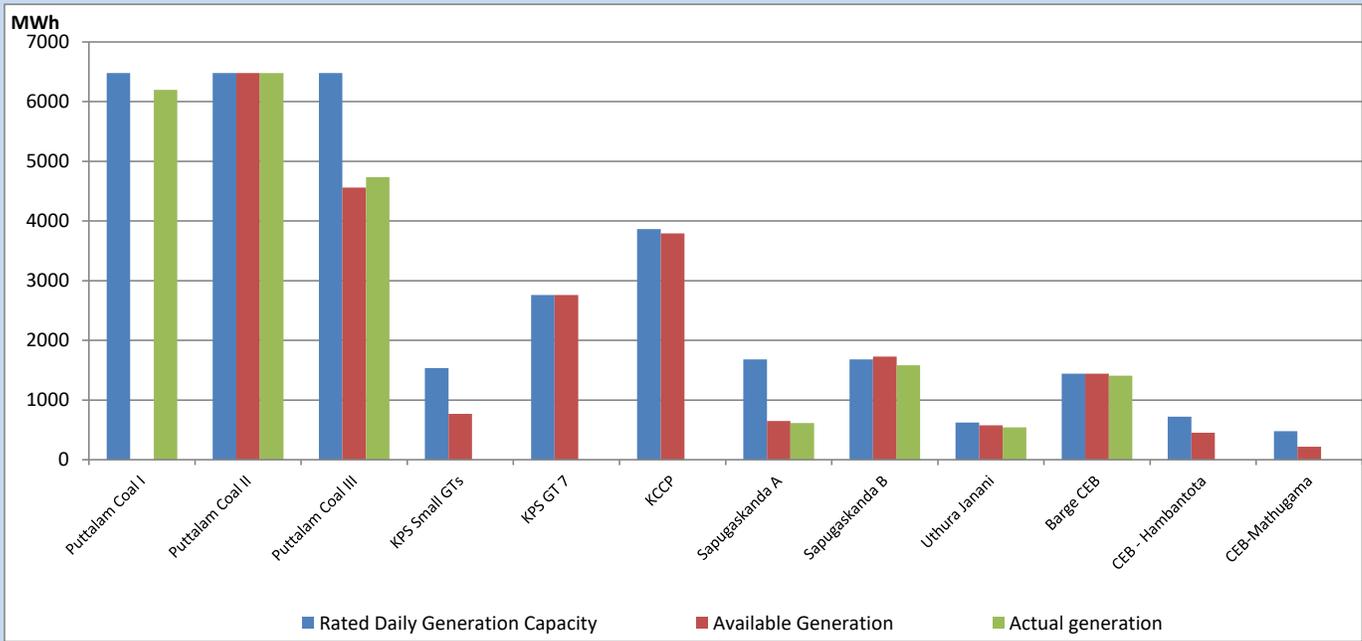
Category	Dispatch (GWh)	Percentage
CEB Hydro	10	25.30%
CEB Coal	17	43.35%
CEB Thermal Oil	4	10.33%
IPP Thermal	7	16.19%
SPP Wind	0	0.62%
CEB Wind	0	0.82%
Mini Hydro (Telemetered)	1	1.82%
IPP Solar(Bulk-10MW)	0	0.85%
IPP Wasteheat + BMP	0	0.72%
<b>Total</b>	<b>40</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	931	26.95%
CEB Coal	1,540	44.56%
CEB Thermal Oil	474	13.72%
IPP Thermal	277	8.00%
SPP Wind	51	1.48%
CEB Wind	61	1.75%
Mini Hydro (Telemetered)	70	2.01%
IPP Solar(Bulk-10MW)	26	0.75%
IPP Wasteheat	27	0.77%
<b>Total</b>	<b>3,456</b>	

## CEB owned Thermal Plant Dispatch

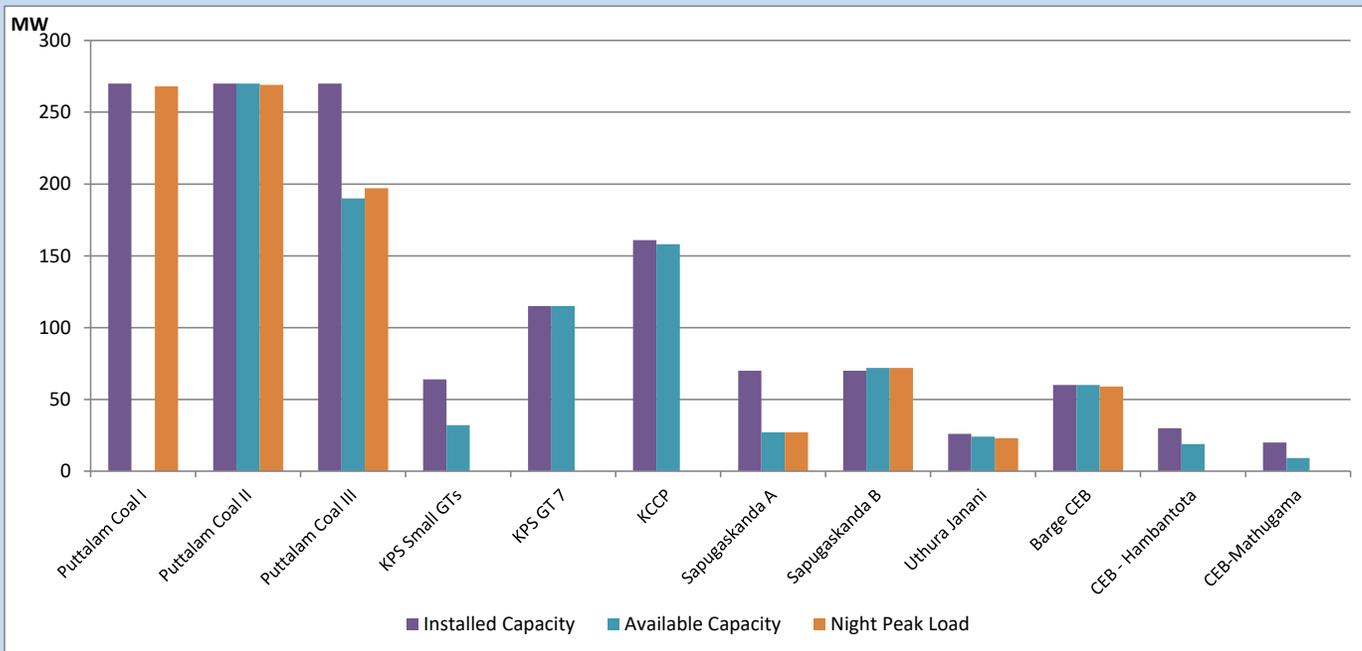
April 1, 2023



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

April 2, 2023

## CEB owned Thermal Plant Loading at the Night Peak

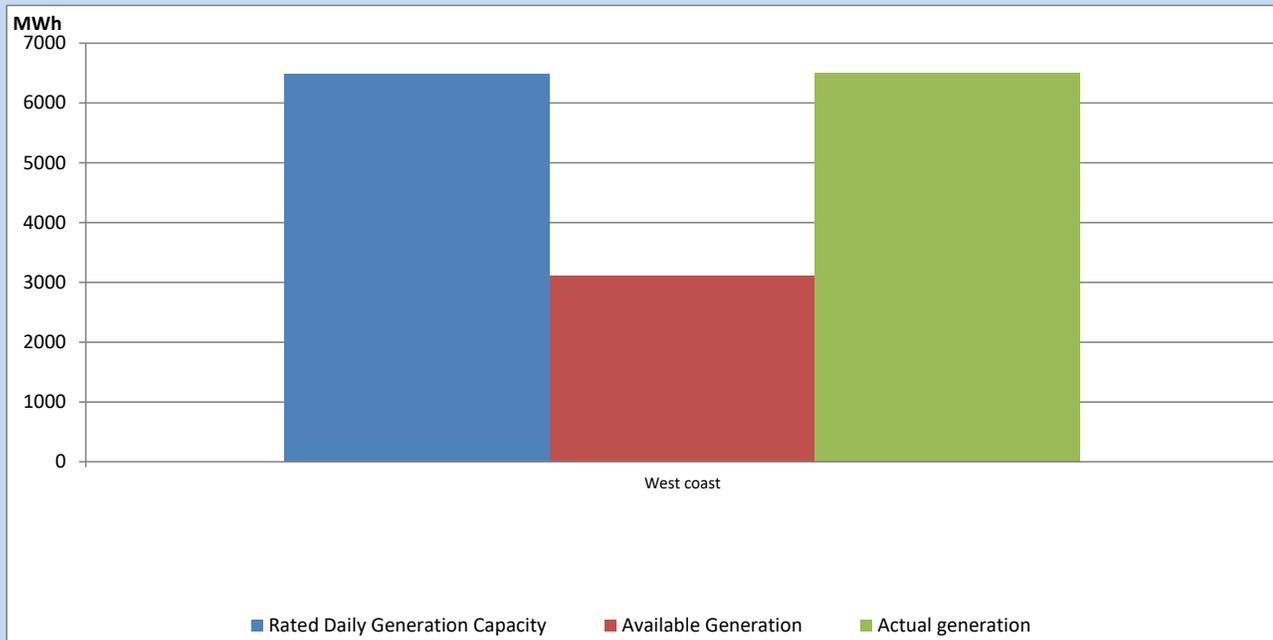


Note- Plant availability is recorded at 6.00 am on

April 2, 2023

## IPP owned Thermal Plant Dispatch

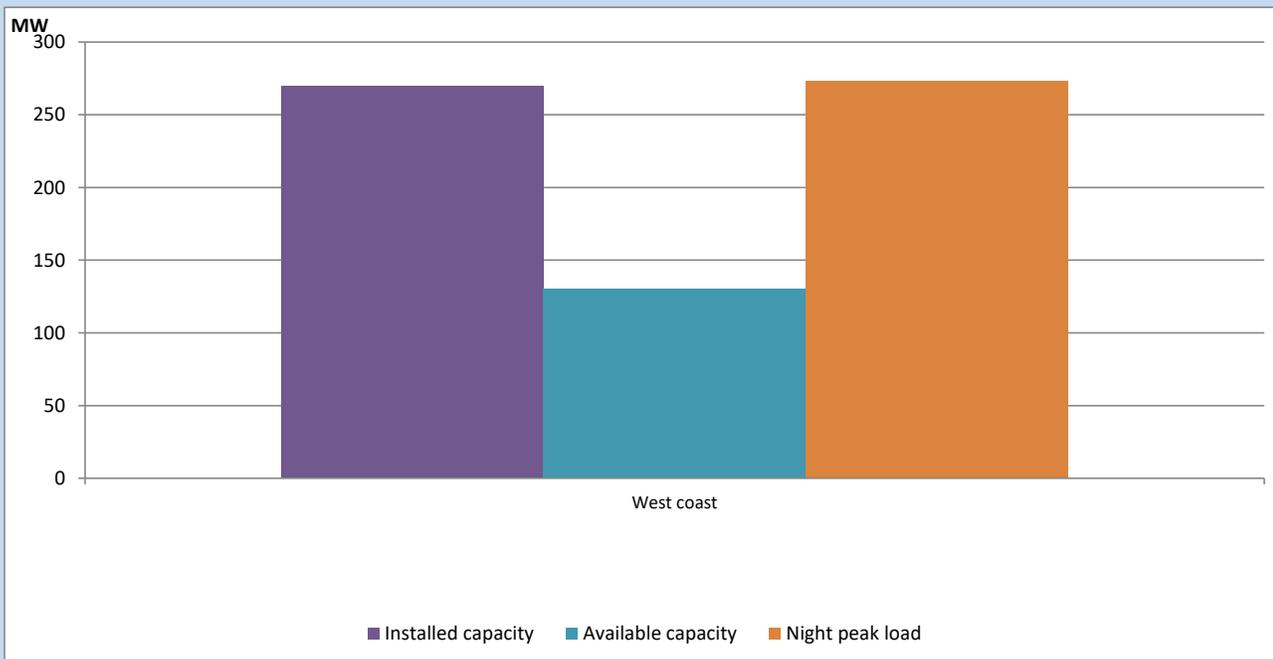
April 1, 2023



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

April 2, 2023

## IPP owned Thermal Plant Loading at the Night Peak

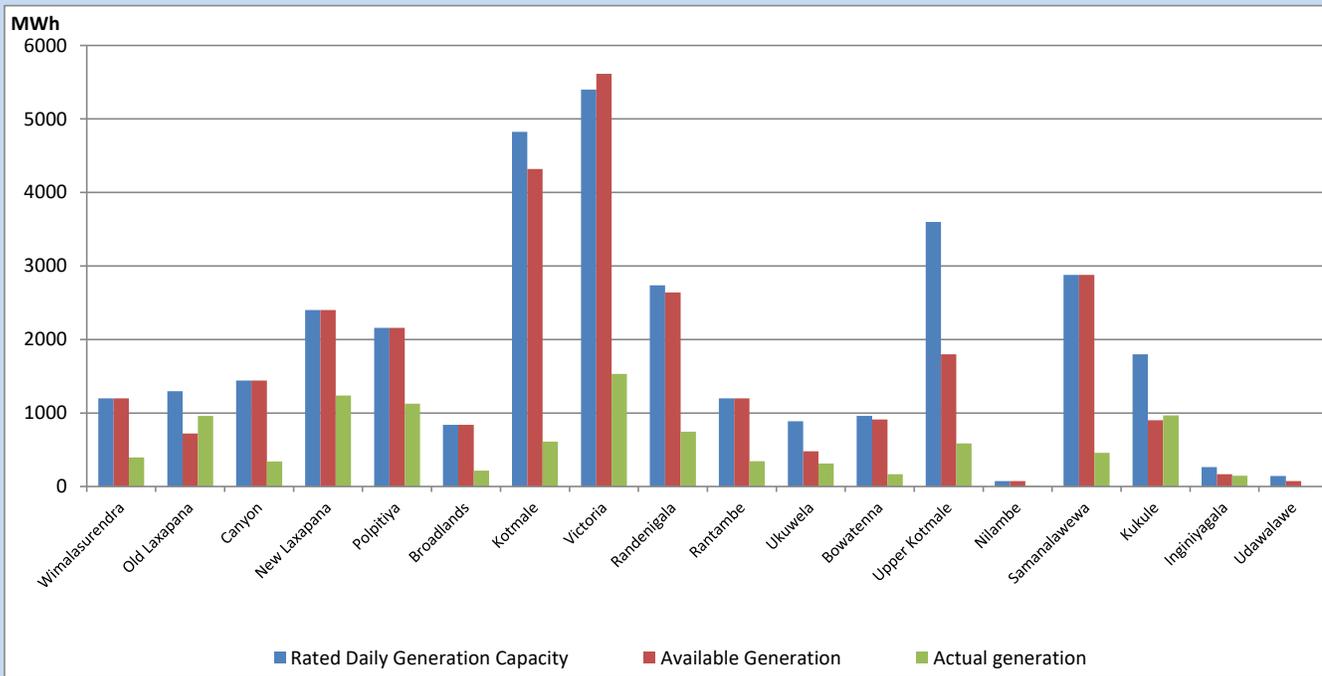


Note- Plant availability is recorded at 6.00 am on

April 2, 2023

## Major Hydro Plant Dispatch

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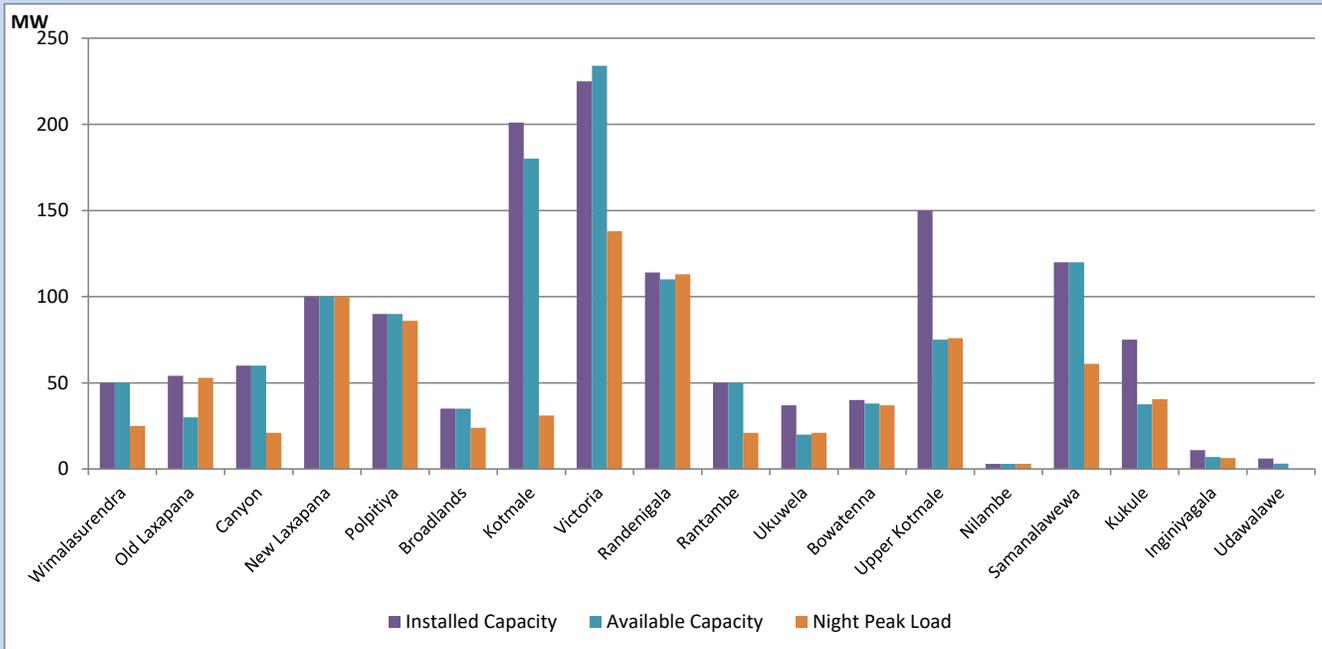


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

April 2, 2023

## Major Hydro Plant Loading at Night Peak

April 1, 2023



Note- Plant availability is recorded at 6.00 am on

April 2, 2023

Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

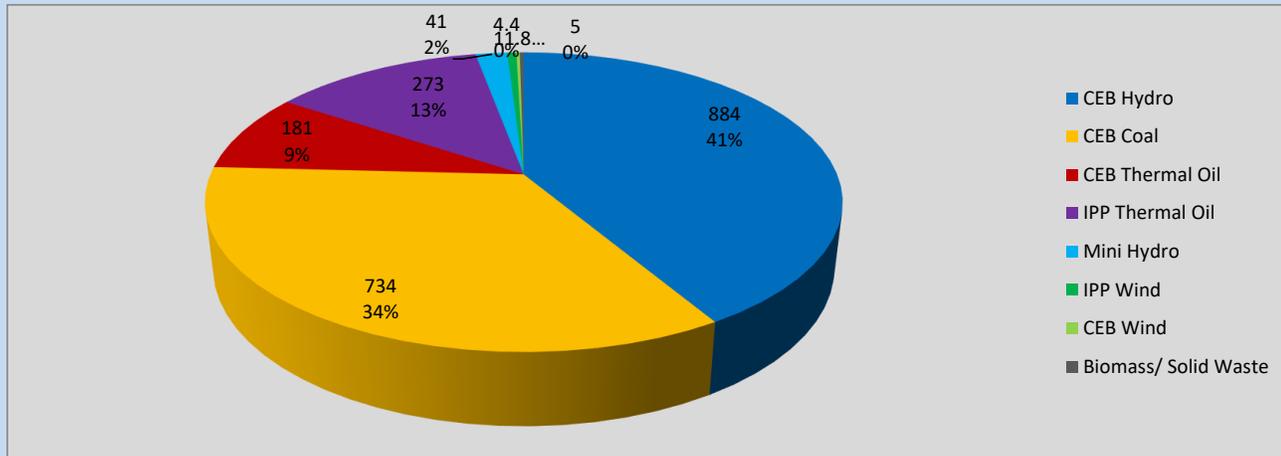
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	397
Old Laxapana	54	30	53	959
Canyon	60	60	21	342
New Laxapana	100	100	100	1,239
Polpitiya	90	90	86	1,127
Broadlands	35	35	24	214
Kotmale	201	180	31	610
Victoria	225	234	138	1,533
Randenigala	114	110	113	744
Rantambe	50	50	21	345
Ukuwela	37	20	21	313
Bowatenna	40	38	37	167
Upper Kotmale	150	75	76	585
Nilambe	3	3	3	9
Samanalawewa	120	120	61	458
Kukule	75	38	41	968
Inginiyagala	11	7	6	148
Udawalawe	6	3	0	0
Puttalam Coal I	270	0	268	6,196
Puttalam Coal II	270	270	269	6,478
Puttalam Coal III	270	190	197	4,737
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	0
Sapugaskanda A	70	27	27	613
Sapugaskanda B	70	72	72	1,581
Uthura Janani	26	24	23	544
Barge CEB	60	60	59	1,410
CEB-Hambantota	30	19	0	0
CEB-Mathugama	20	9	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	130	273	6,499
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,349</b>	<b>2,107</b>	<b>40,151</b>

Plant availability is the availability recorded at 6 am on

April 2, 2023

## Contribution to the Night Peak in MW

April 1, 2023

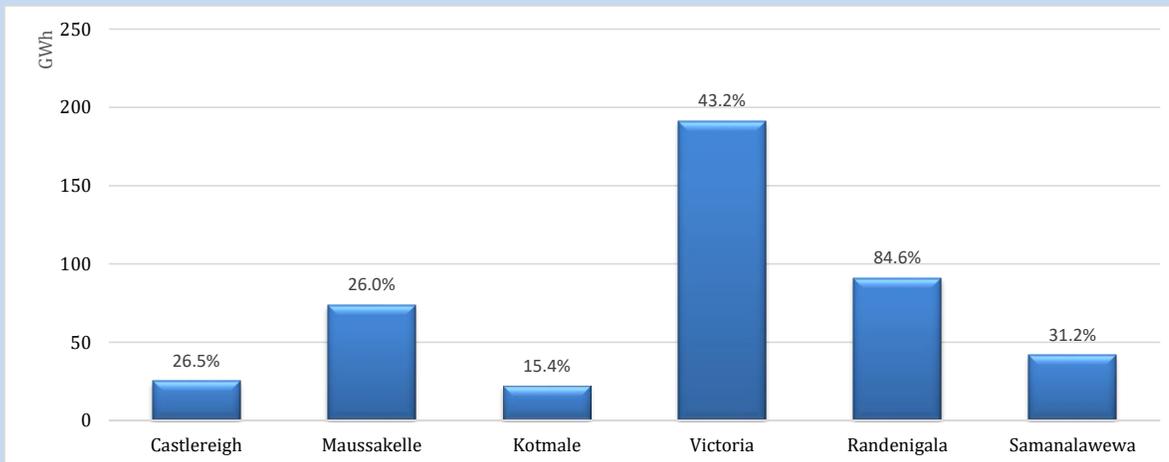


Night Peak*	2,134 MW
Day Peak	1,776 MW
Minimum Demand	1,338 MW

Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

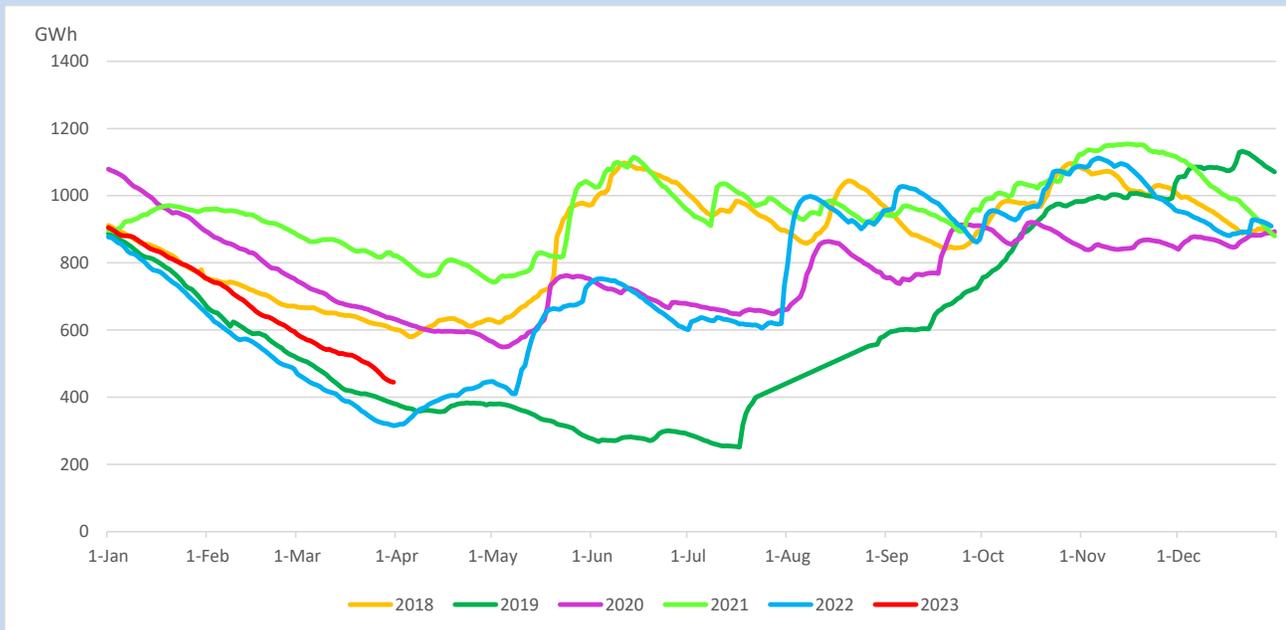
## Reservoir Levels -

as at 06.00 Hr on April 2, 2023

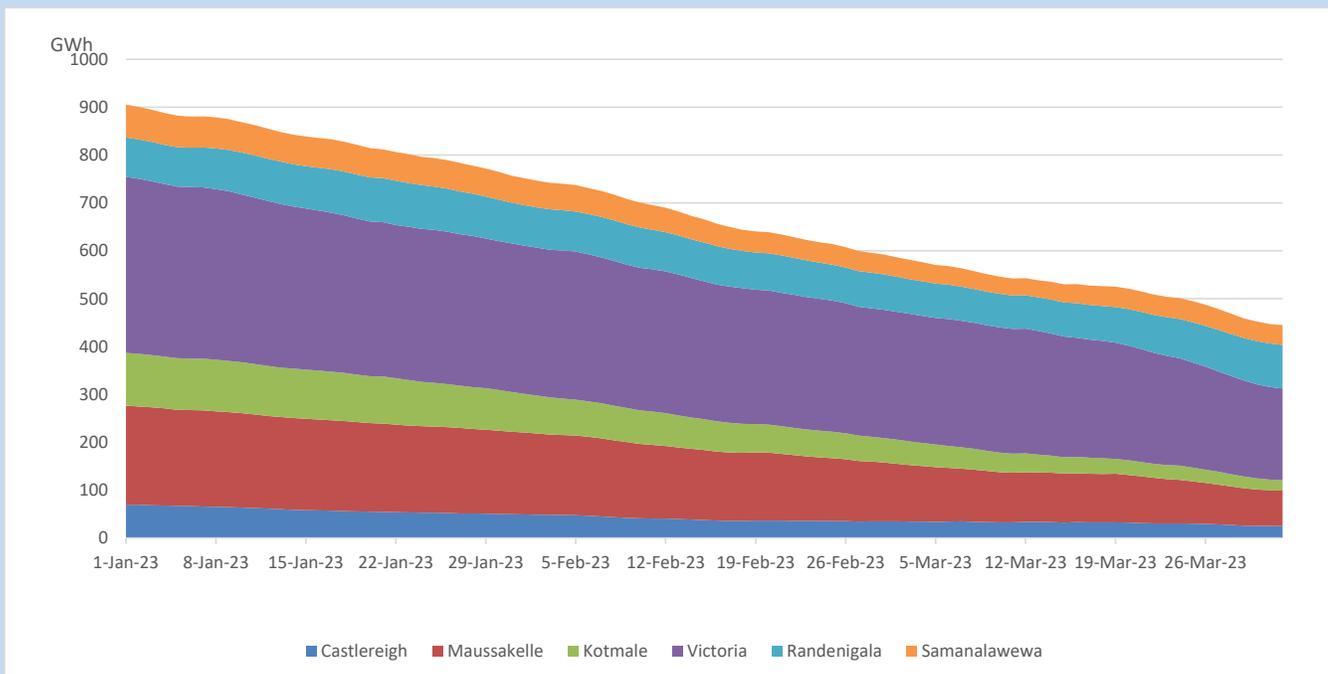


Total Reservoir Level	444.9 GWh
% of Total capacity	36.9%

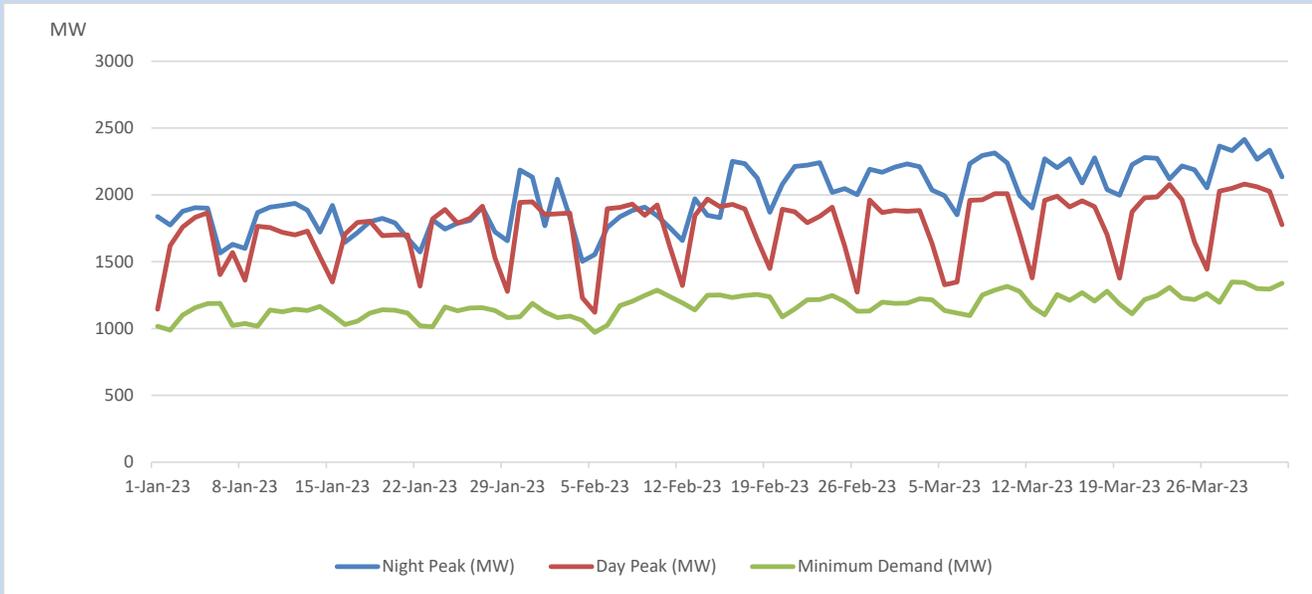
## Comparison of Total Reservoir Storage Levels with Past Years



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



## Variation of Demand during the current year

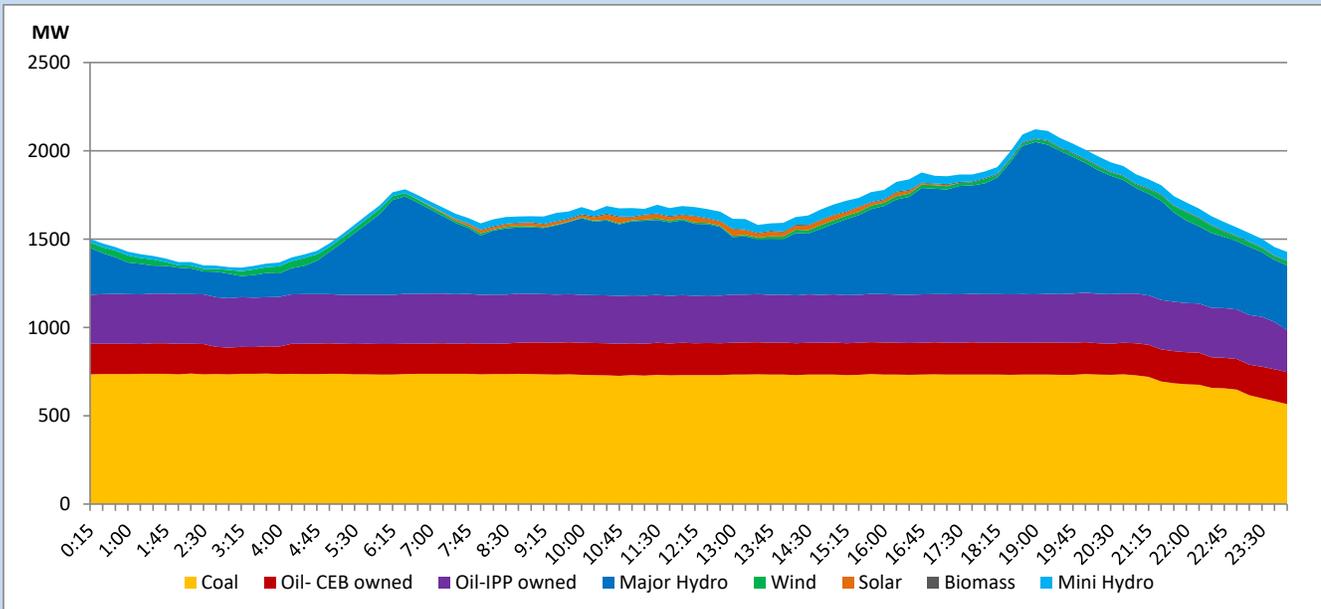


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

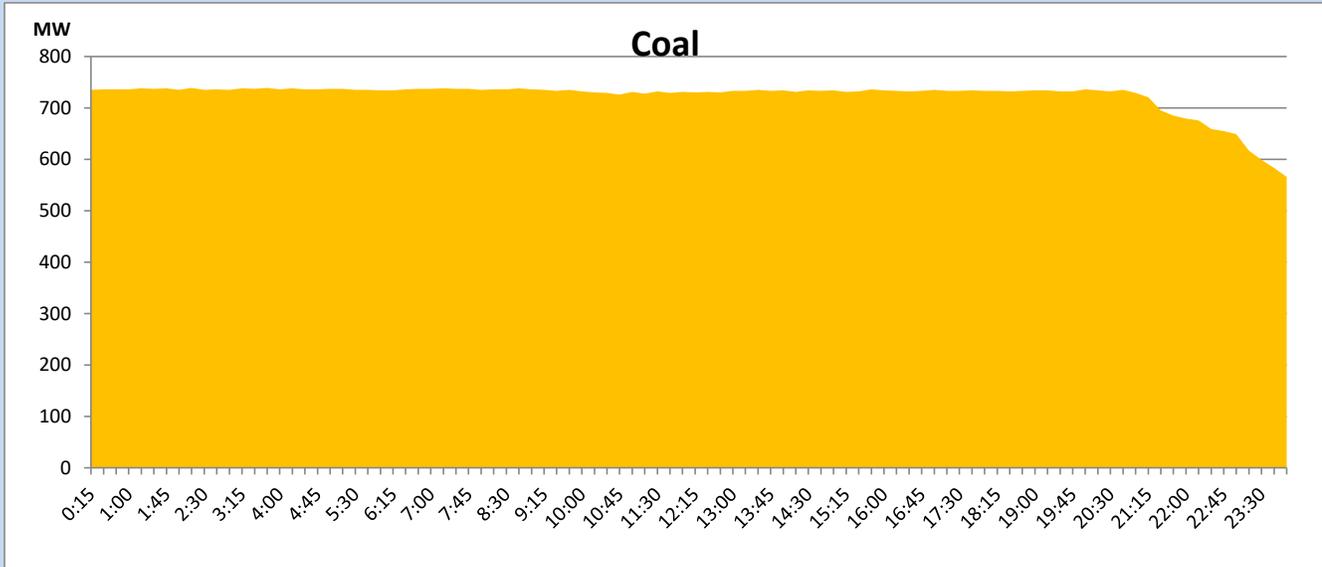
April 1, 2023

Solar and wind data is based on Telemetered Power Stations only



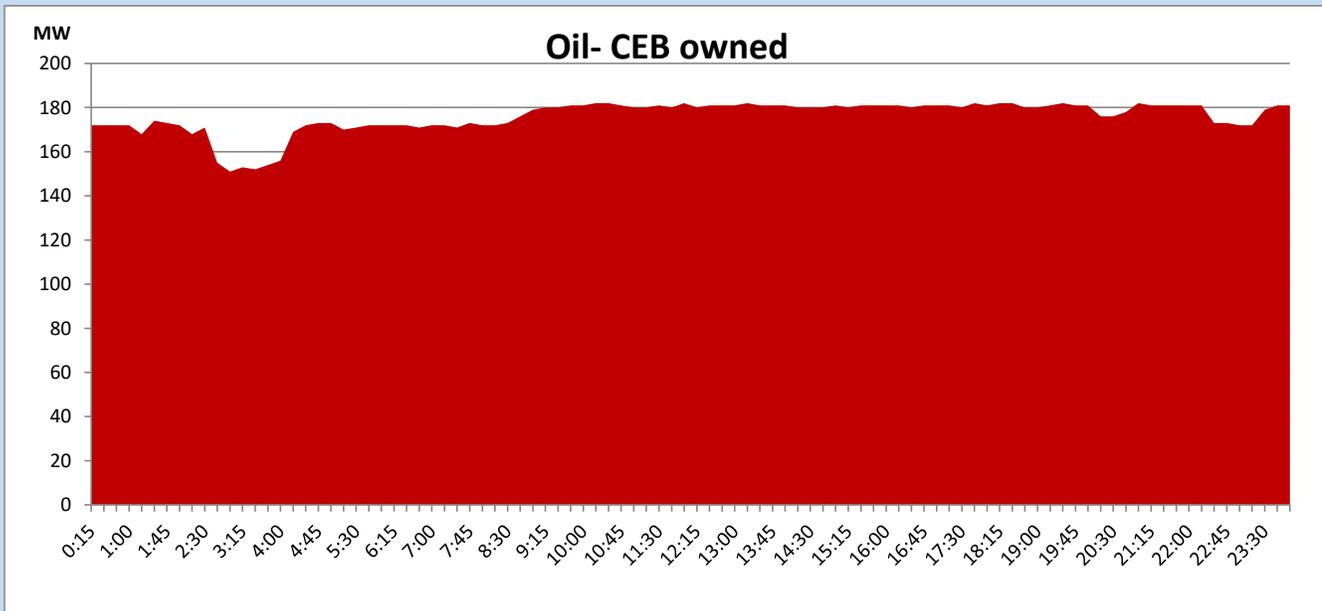
## Coal Generation during

April 1, 2023



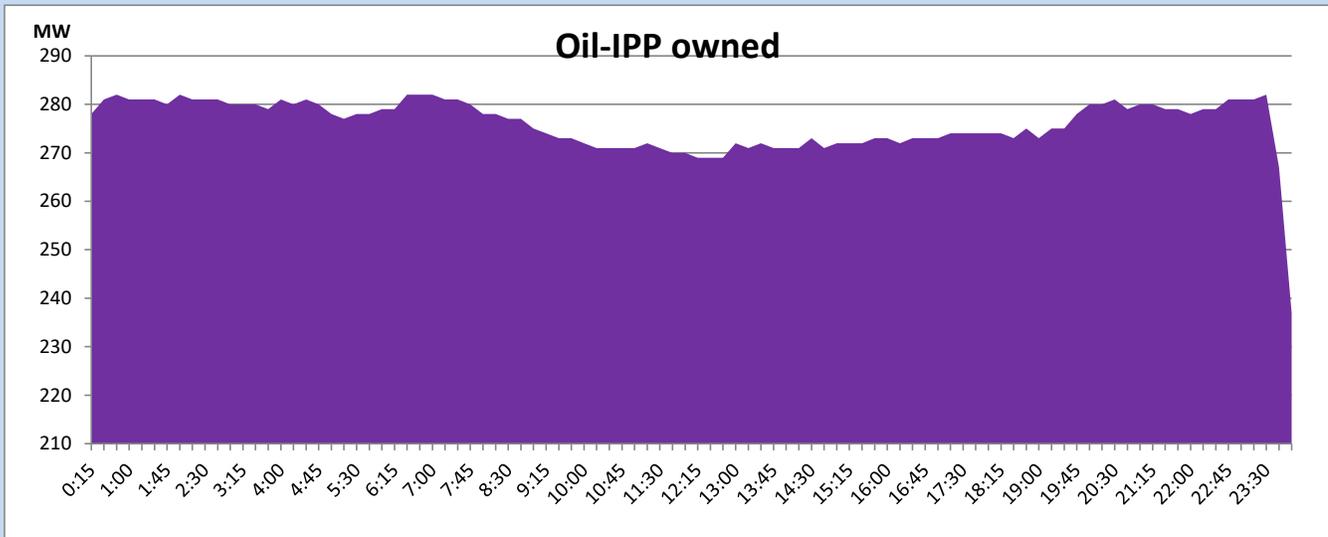
## CEB Oil Plant Generation during

April 1, 2023



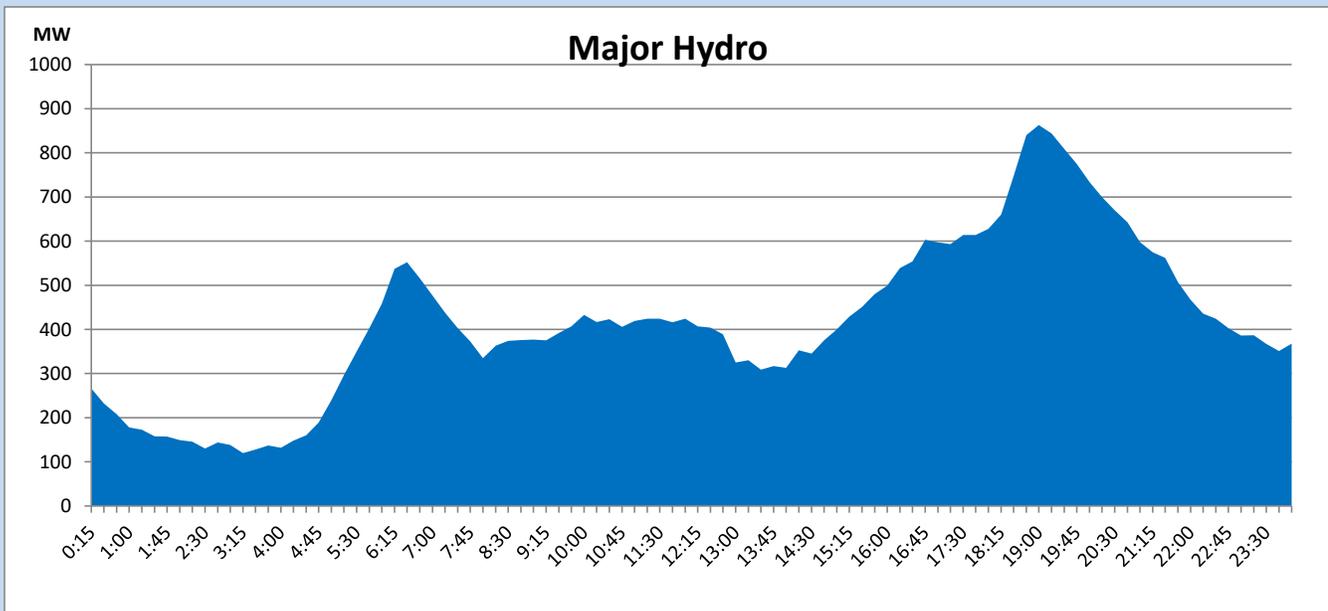
## IPP Oil Plant Generation during

April 1, 2023



## Major Hydro Generation during

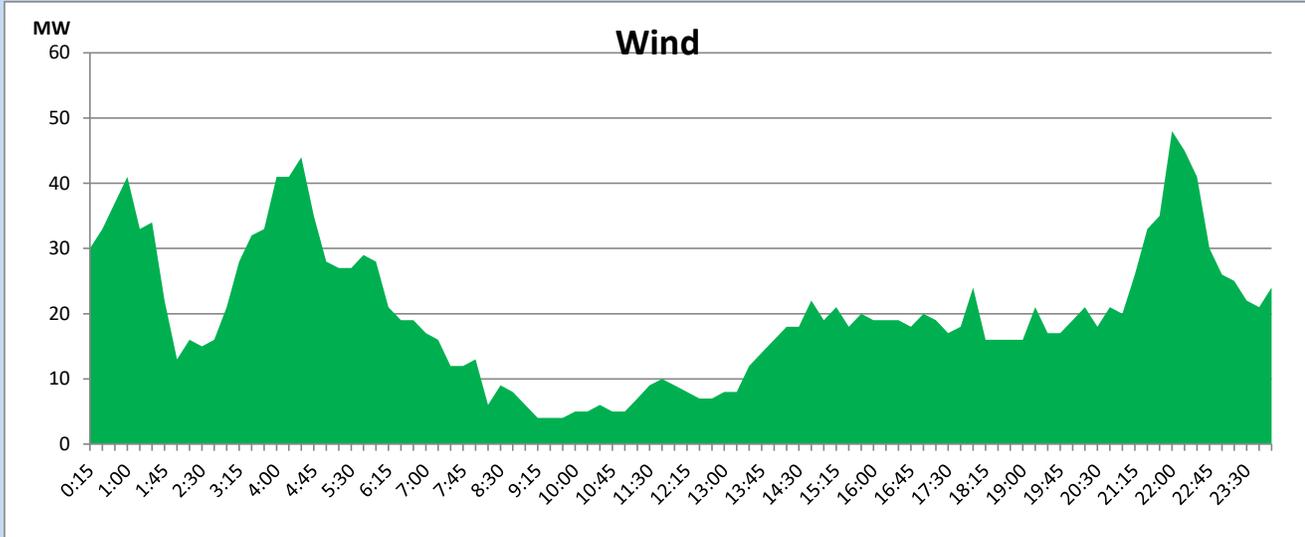
April 1, 2023



## Wind Generation during

April 1, 2023

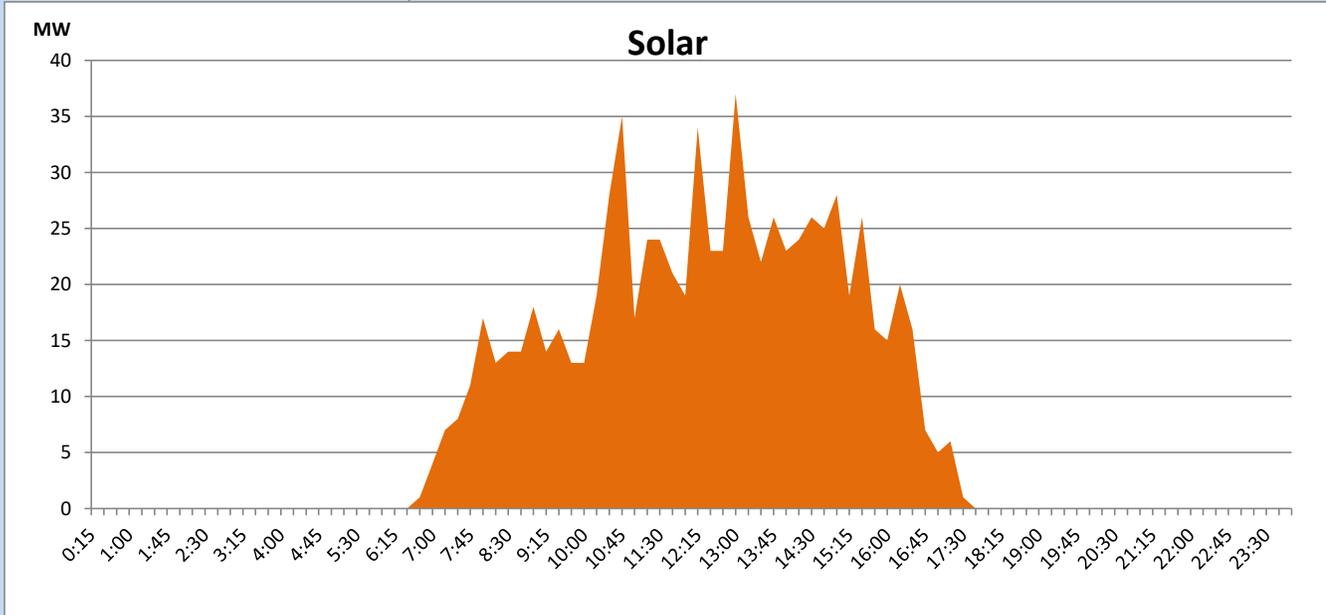
Based on Telemetered Power Stations only



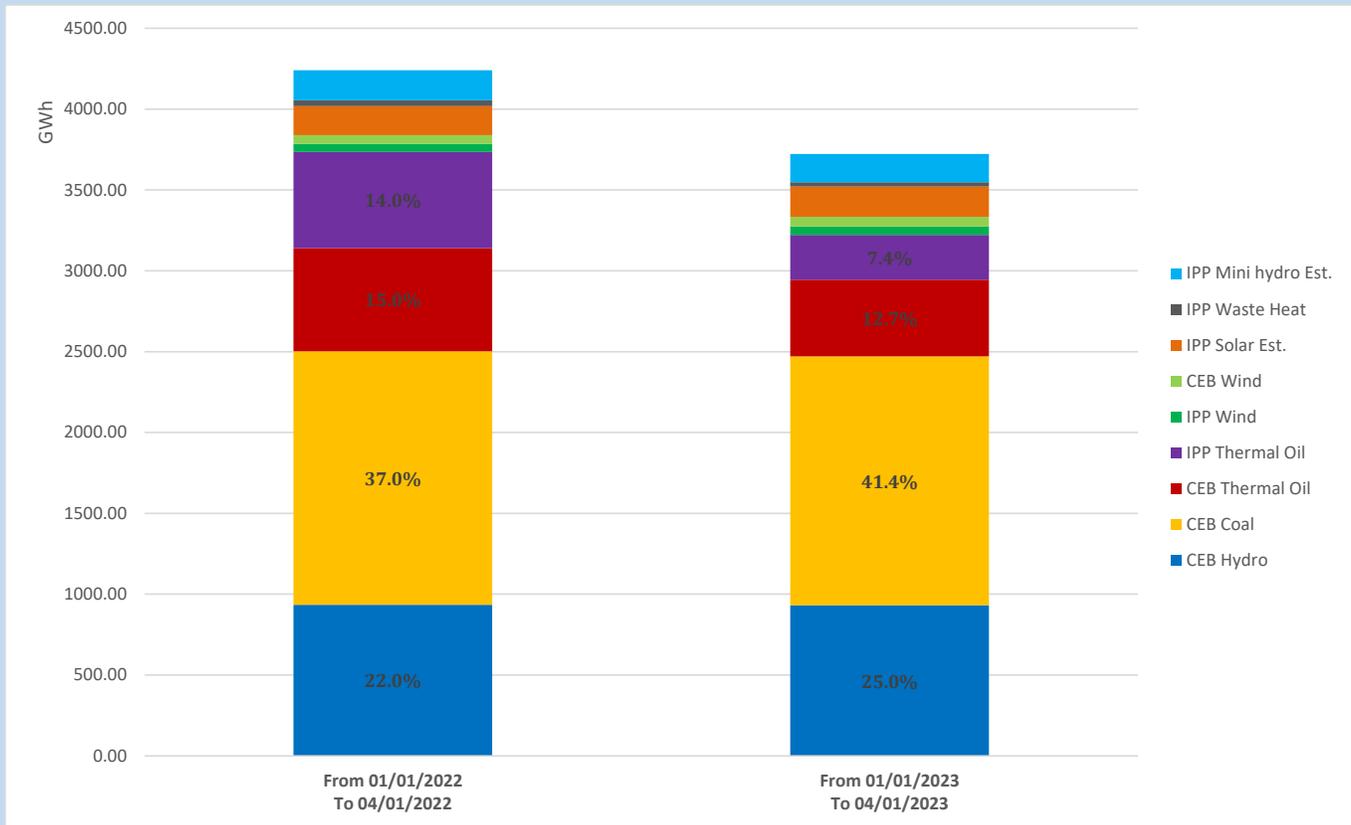
## Solar Generation during

April 1, 2023

Based on Telemetered Power Stations only



## Cumulative Dispatch Comparison with Last Year



The above figures are including contribution from roof top solar, non telemetered solar and mini hydro plants

## 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	
West Coast	Auto Diesel / Heavy Fuel

## Major Incidents reported during the day

April 1, 2023

1) New Polpitiya – Thulhiriya – Athurugiriya 132kV cct tripped & A/R from Athurugiriya end and tripped from Thulhiriya end at 16.41hrs due to the operation of distance protection. At the same time, Polpitiya -Thulhiriya- Athurugiriya 132kV cct tripped and A/R only from Polpitiya end due to the operation of distance protection. New Polpitiya – Thulhiriya – Athurugiriya 132kV cct was restored at 16.45hrs.

2) LVPS unit 01 made a forced shutdown at 01:27hrs due to high vibration in ID fan “B”. LVPS unit 01 is yet to resume generation.