

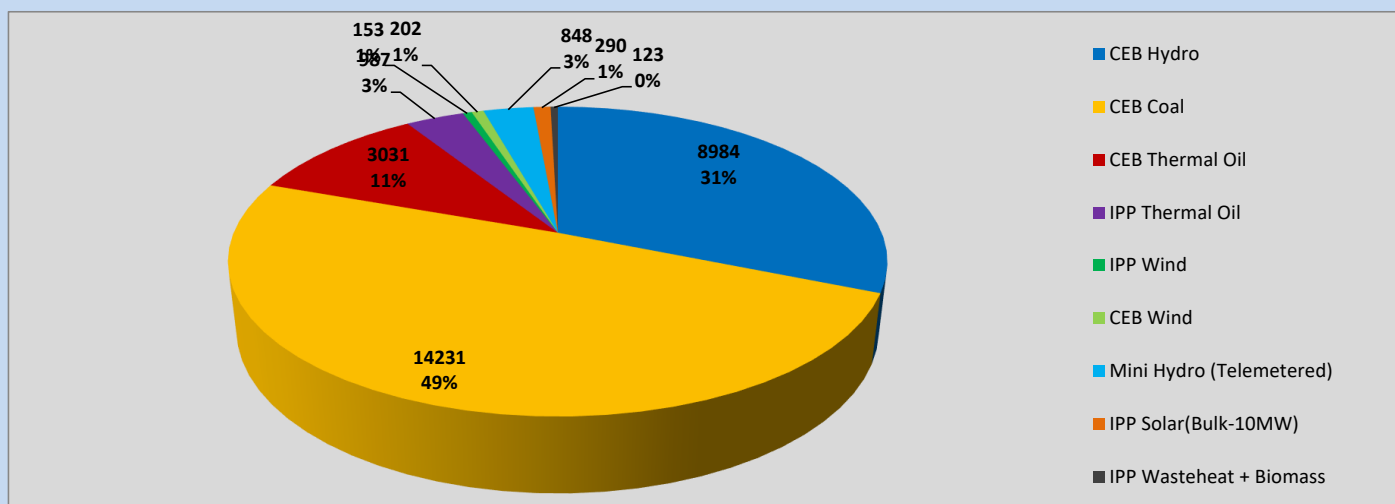
# Generation and Reservoirs Statistics

April 16, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

28,849 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh

Estimated Mini Hydro (Non telemetered) = 1532 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

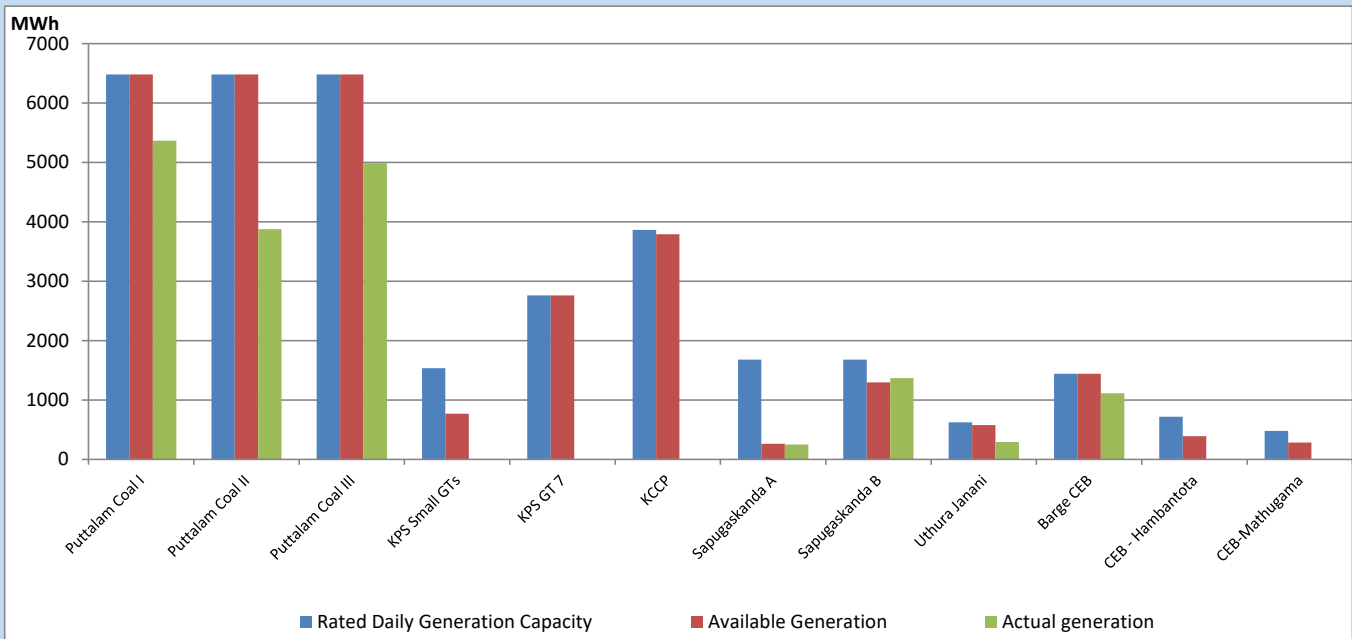
Category	Dispatch (GWh)	
CEB Hydro	181	31.12%
CEB Coal	194	33.35%
CEB Thermal Oil	91	15.58%
IPP Thermal	83	14.19%
SPP Wind	4	0.67%
CEB Wind	5	0.89%
Mini Hydro (Telemetered)	14	2.48%
IPP Solar (Bulk-10MW)	5	0.91%
IPP Wasteheat + BMP	5	0.82%
<b>Total</b>	<b>583</b>	

### For Current Year

Category	Dispatch (GWh)	
CEB Hydro	1,103	27.57%
CEB Coal	1,717	42.94%
CEB Thermal Oil	561	14.03%
IPP Thermal	353	8.82%
SPP Wind	55	1.37%
CEB Wind	65	1.64%
Mini Hydro (Telemetered)	83	2.08%
IPP Solar (Bulk-10MW)	31	0.78%
IPP Wasteheat	31	0.78%
<b>Total</b>	<b>3,999</b>	

## CEB owned Thermal Plant Dispatch

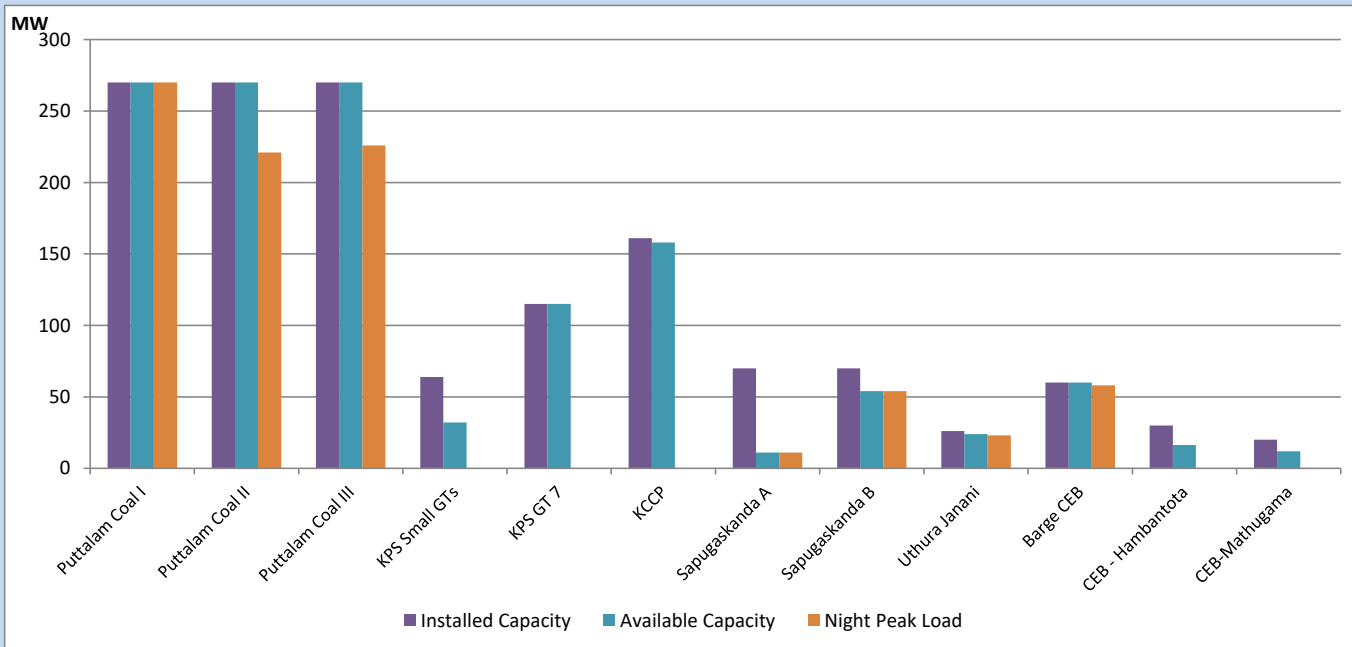
April 16, 2023



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

April 17, 2023

## CEB owned Thermal Plant Loading at the Night Peak

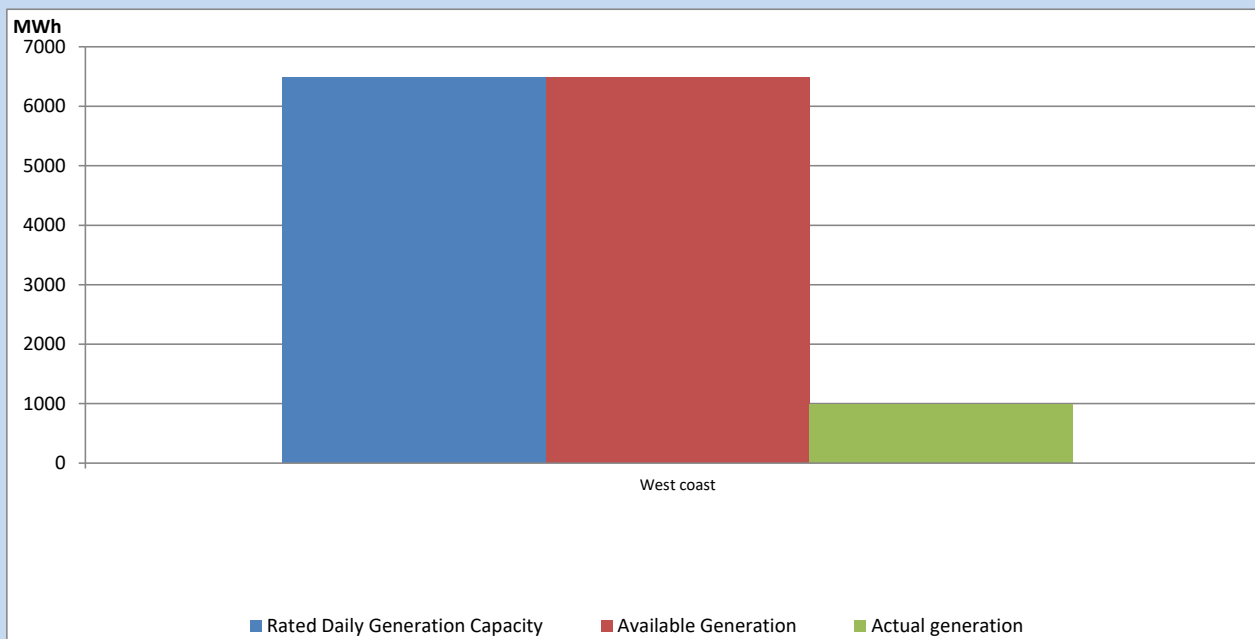


Note- Plant availability is recorded at 6.00 am on

April 17, 2023

## IPP owned Thermal Plant Dispatch

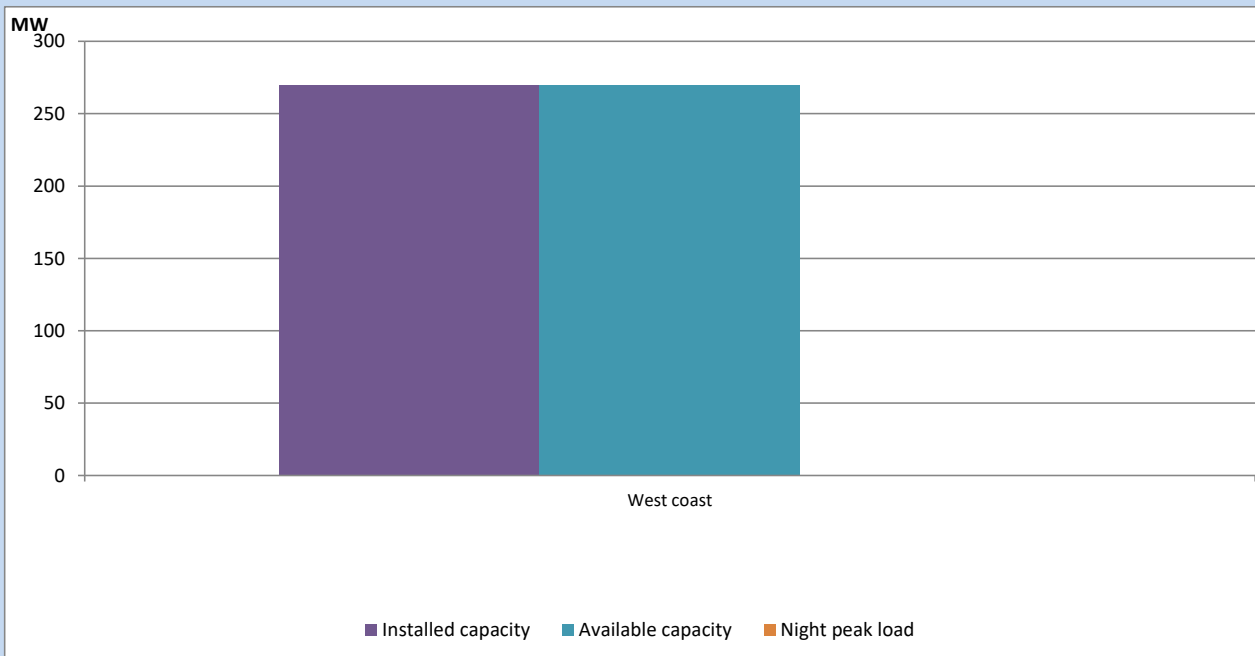
April 16, 2023



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

April 17, 2023

## IPP owned Thermal Plant Loading at the Night Peak

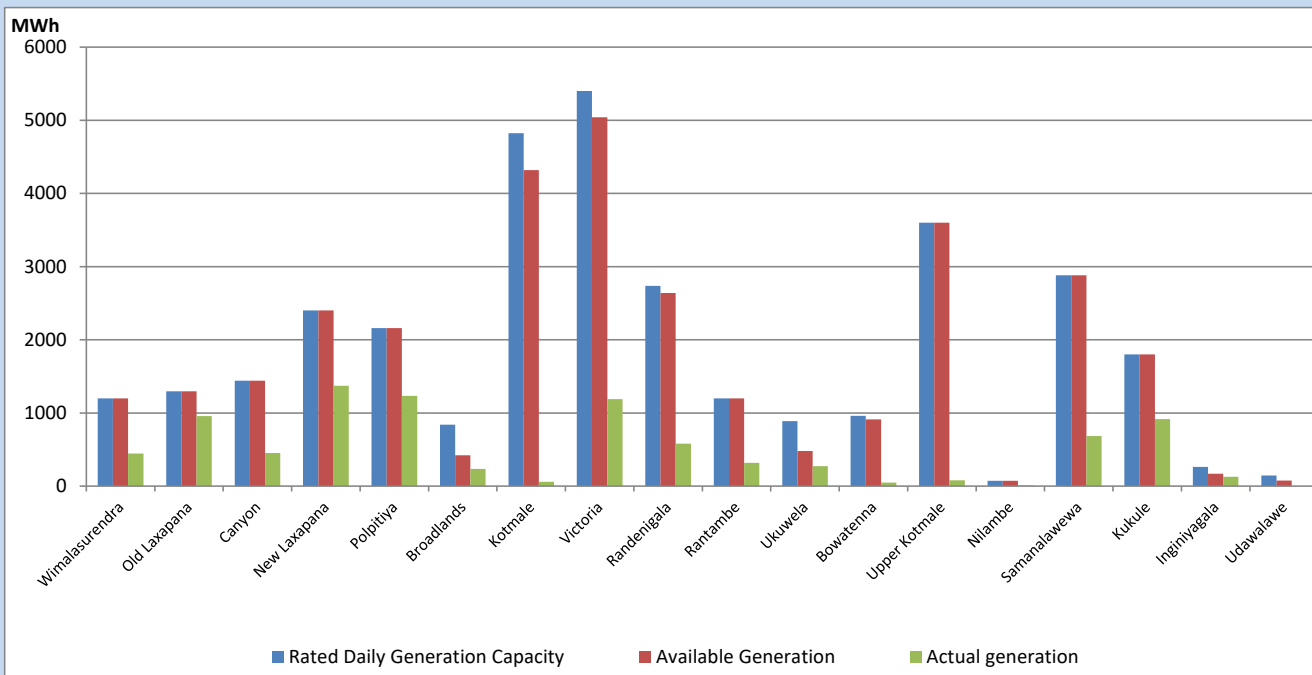


Note- Plant availability is recorded at 6.00 am on

April 17, 2023

## Major Hydro Plant Dispatch

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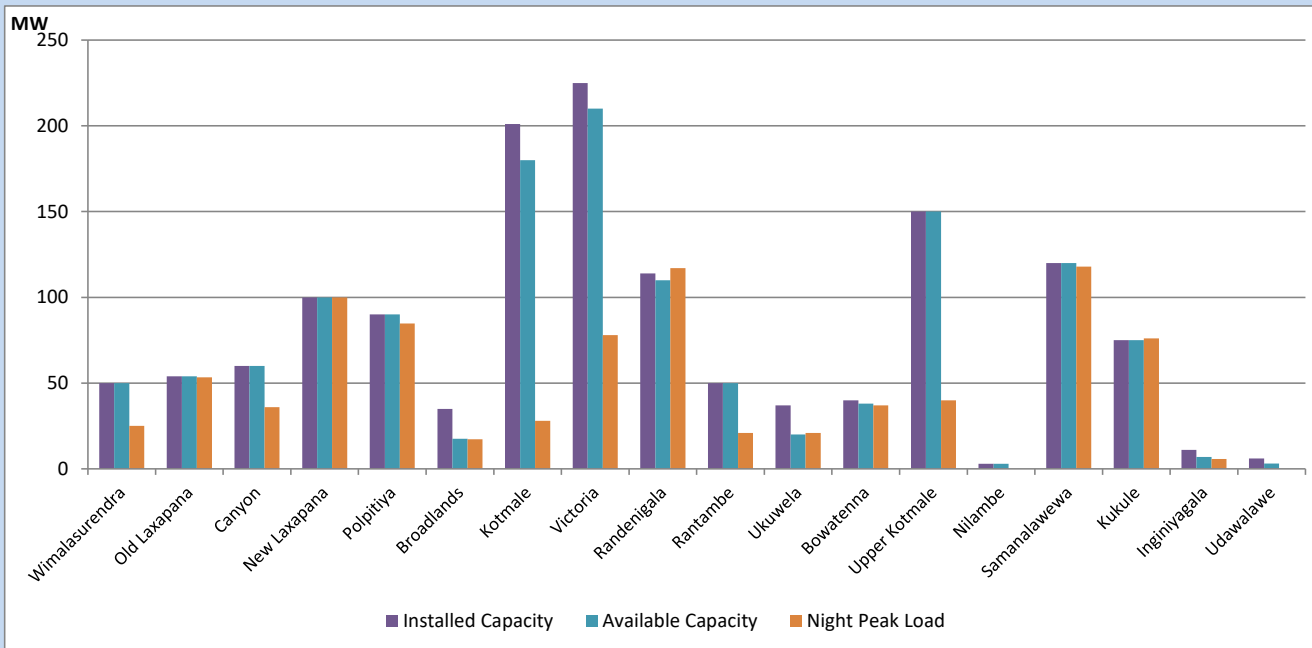


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

April 17, 2023

## Major Hydro Plant Loading at Night Peak

April 16, 2023



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

April 17, 2023

## Summary of Major Plant performance

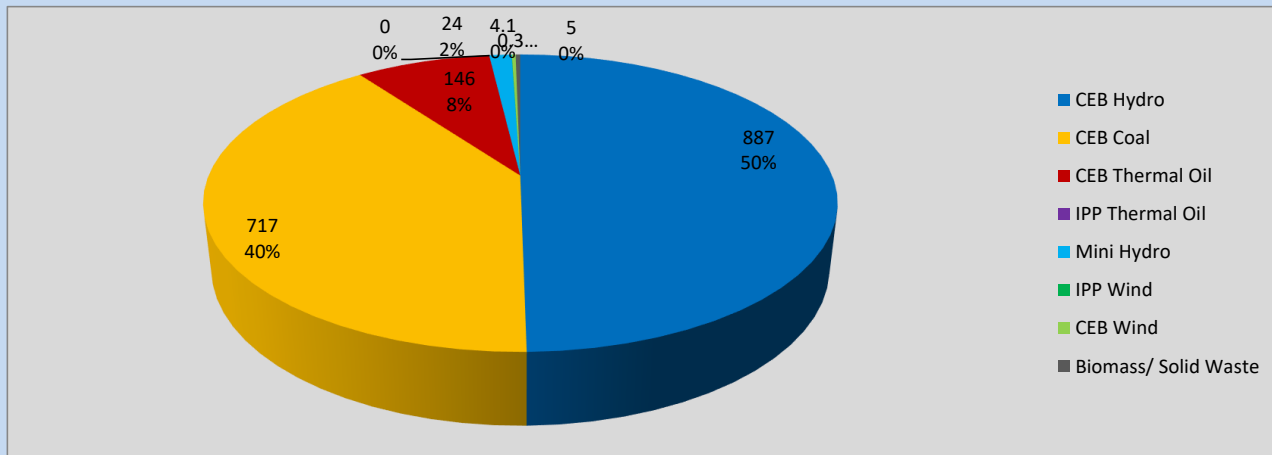
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	447
Old Laxapana	54	54	53	958
Canyon	60	60	36	454
New Laxapana	100	100	100	1,372
Polpitiya	90	90	85	1,232
Broadlands	35	18	17	234
Kotmale	201	180	28	60
Victoria	225	210	78	1,189
Randenigala	114	110	117	582
Rantambe	50	50	21	319
Ukuwela	37	20	21	273
Bowatenna	40	38	37	47
Upper Kotmale	150	150	40	79
Nilambe	3	3	0	11
Samanalawewa	120	120	118	683
Kukule	75	75	76	916
Inginiyagala	11	7	6	128
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	270	5,366
Puttalam Coal II	270	270	221	3,876
Puttalam Coal III	270	270	226	4,989
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	0
Sapugaskanda A	70	11	11	251
Sapugaskanda B	70	54	54	1,371
Uthura Janani	26	24	23	293
Barge CEB	60	60	58	1,116
CEB-Hambantota	30	16	0	0
CEB-Mathugama	20	12	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	0	987
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,900</b>	<b>1,755</b>	<b>28,849</b>

Plant availability is the availability recorded at 6 am on

April 17, 2023

## Contribution to the Night Peak in MW

April 16, 2023

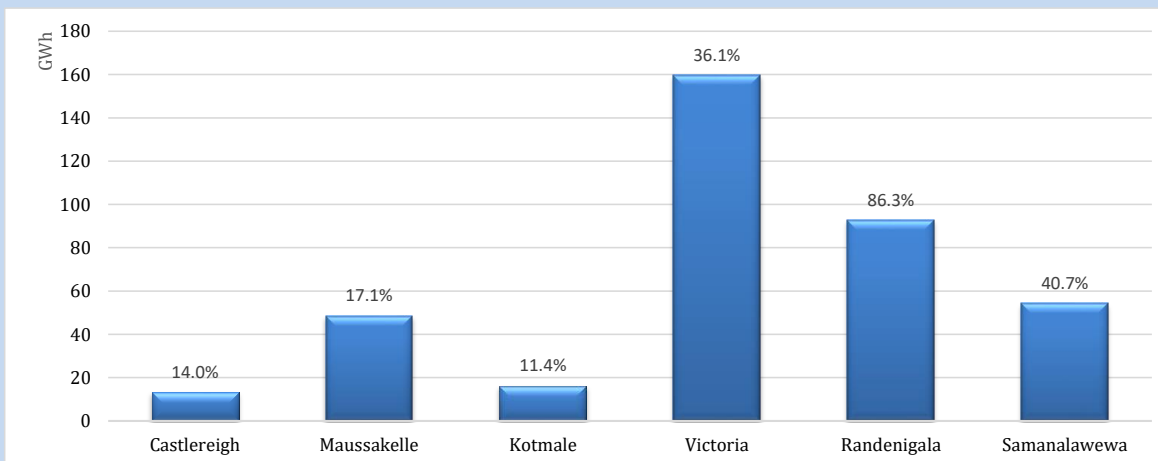


Night Peak*	1,784 MW
Day Peak	1,128 MW
Minimum Demand	1,035 MW

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

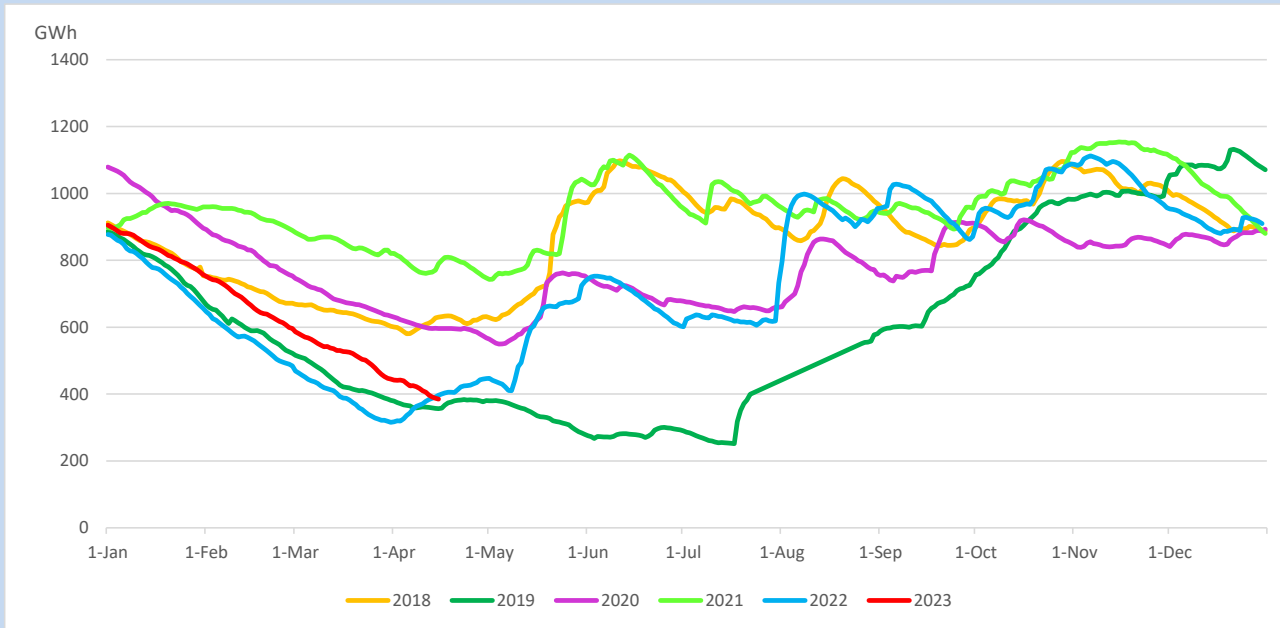
## Reservoir Levels -

as at 06.00 Hr on April 17, 2023

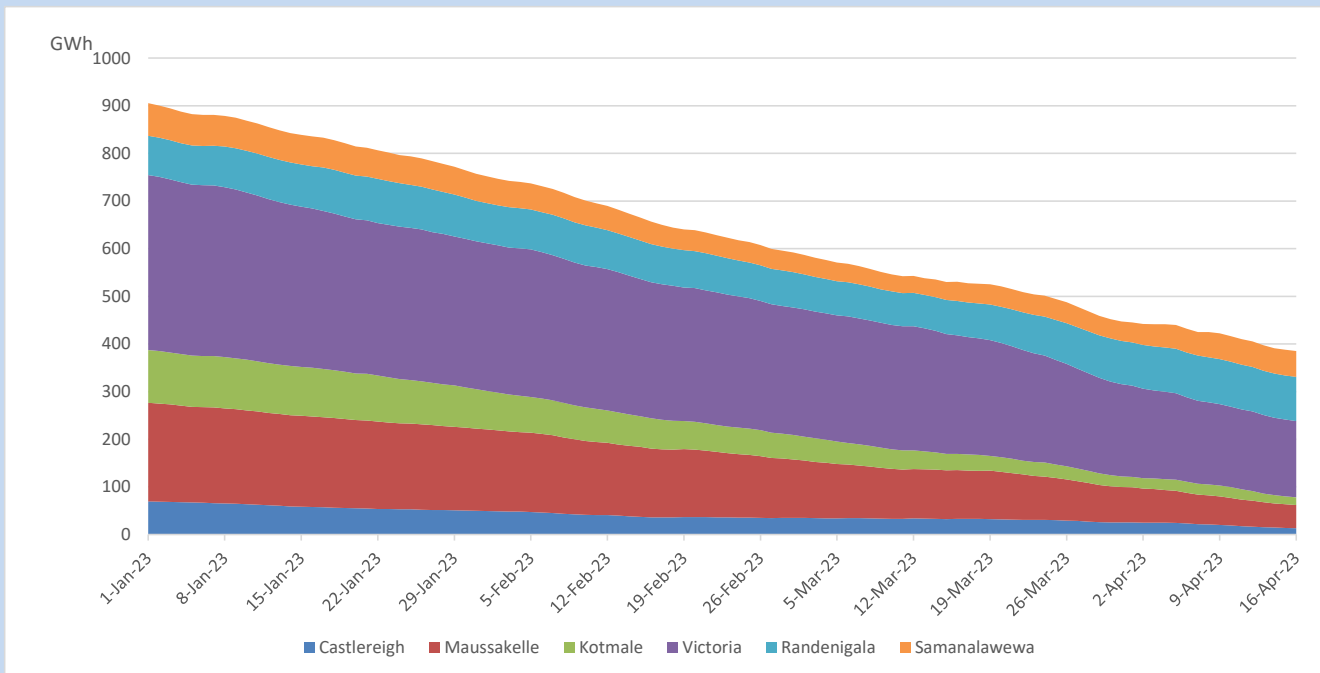


Total Reservoir Level	385 GWh
% of Total capacity	31.9%

## Comparison of Total Reservoir Storage Levels with Past Years

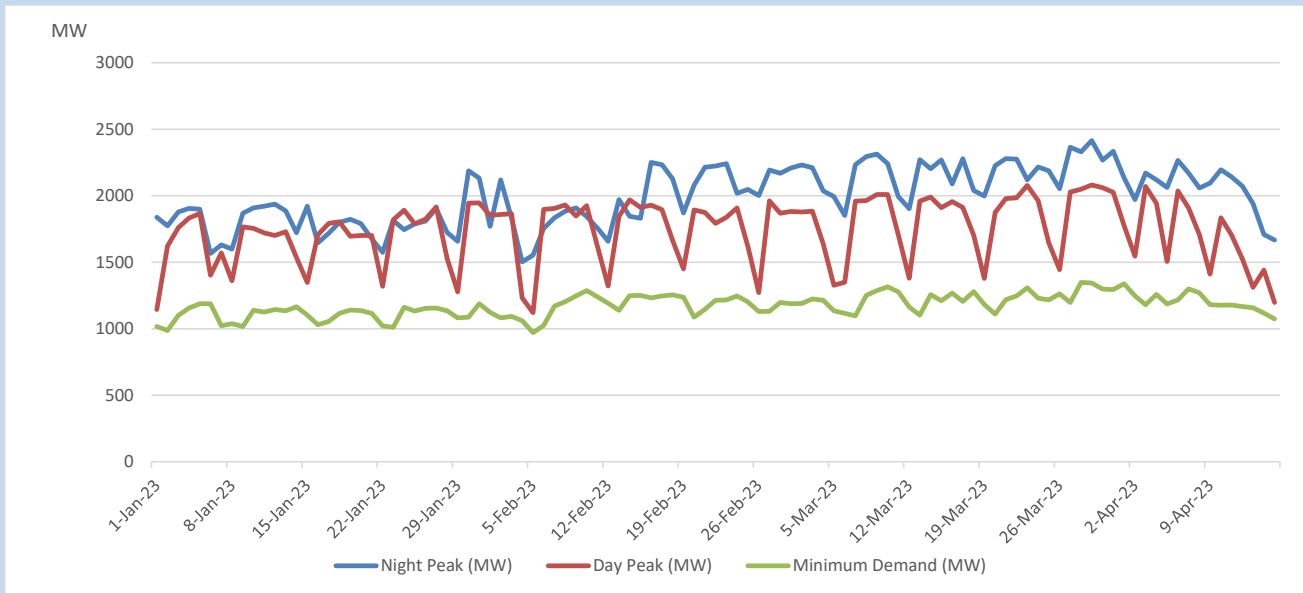


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

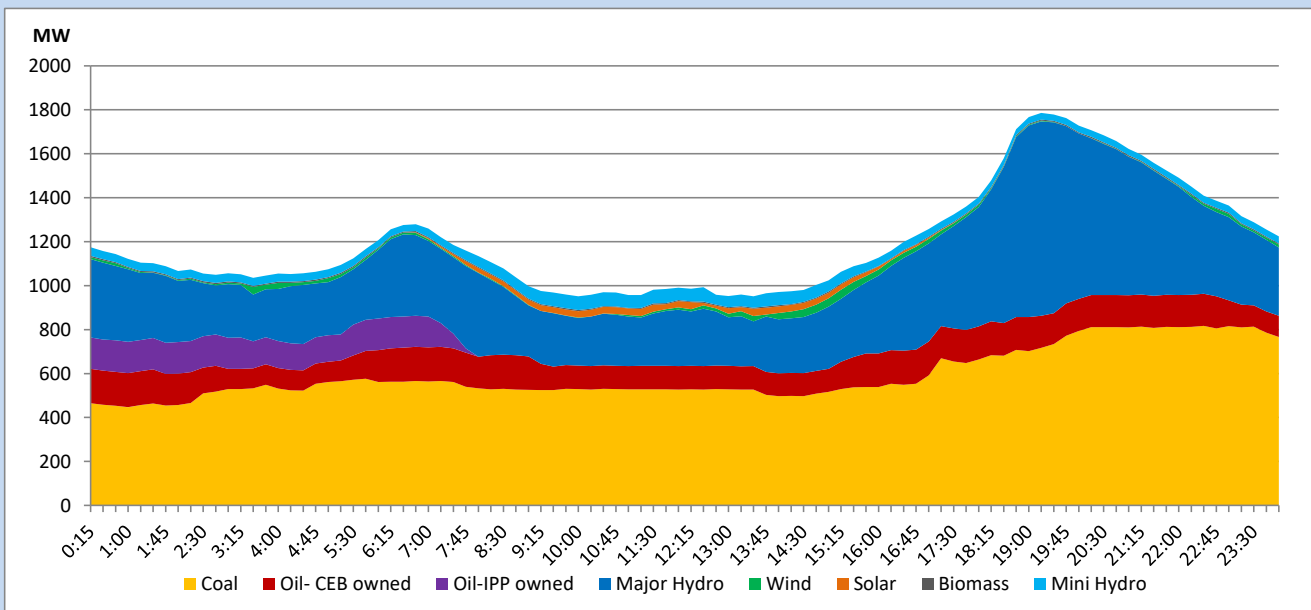


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

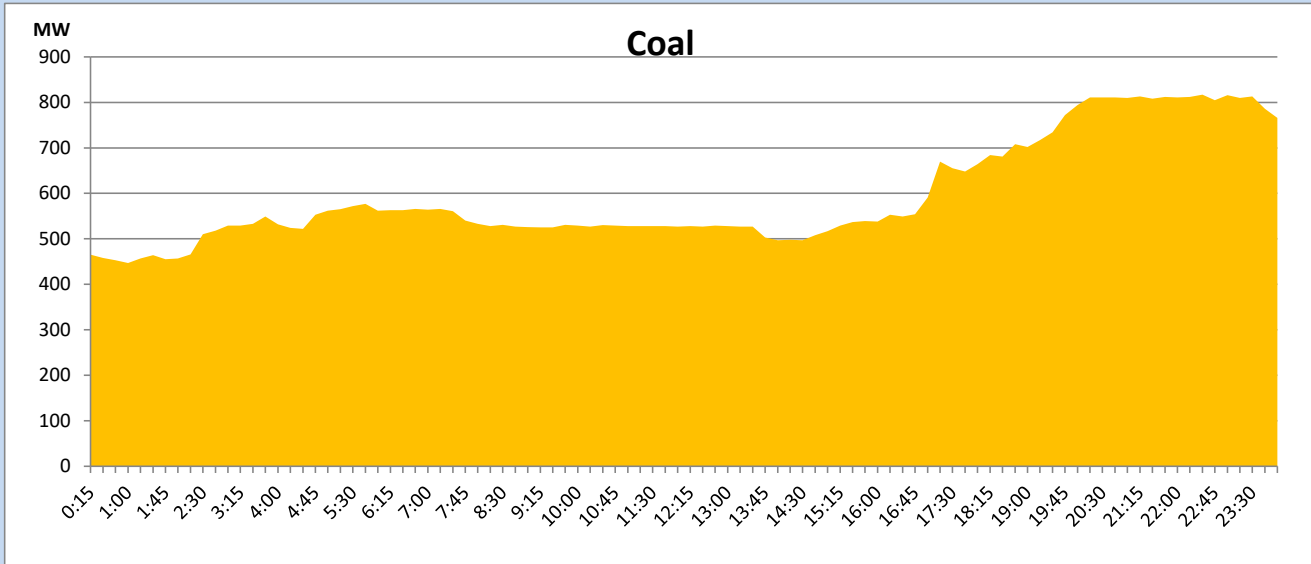
April 16, 2023

Solar and wind data is based on Telemetered Power Stations only



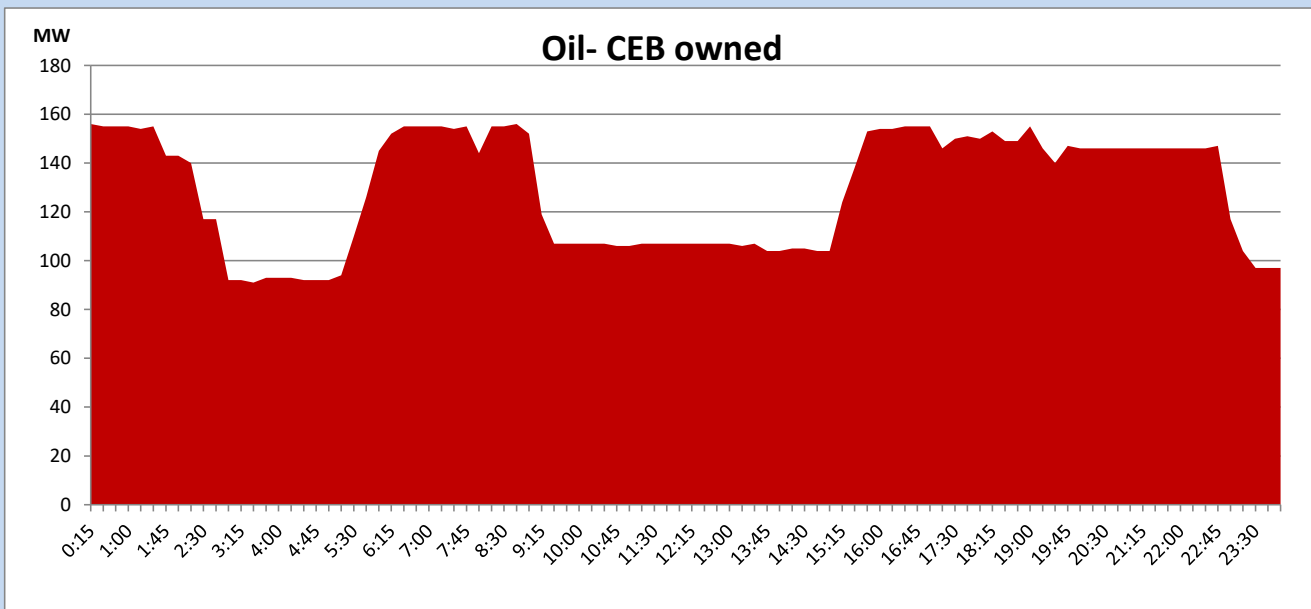
## Coal Generation during

April 16, 2023



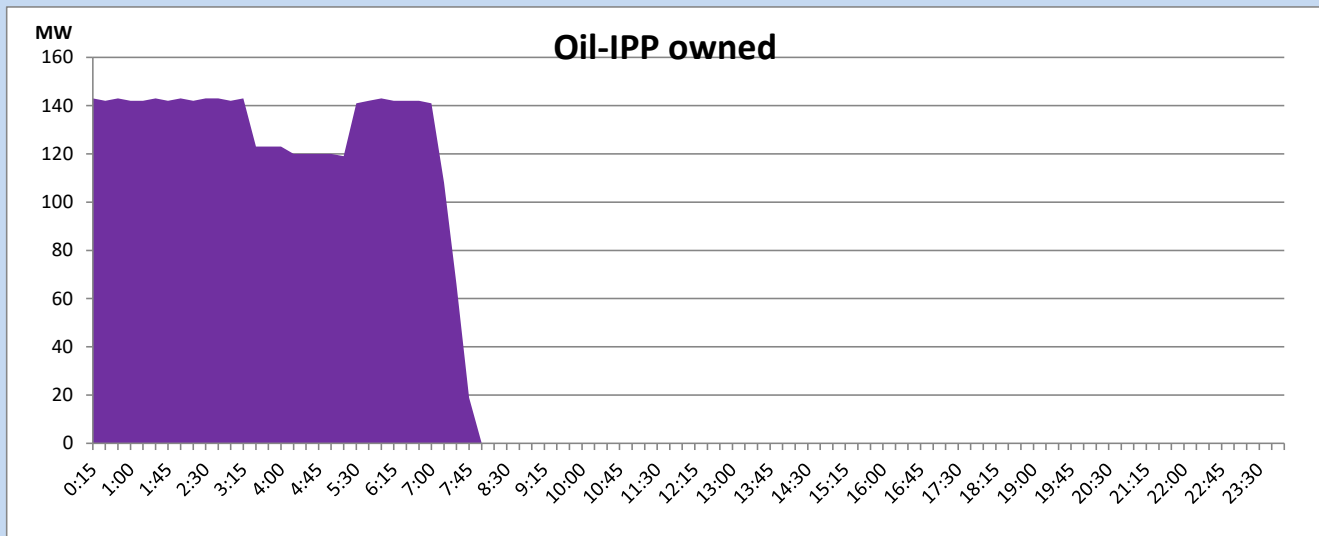
## CEB Oil Plant Generation during

April 16, 2023



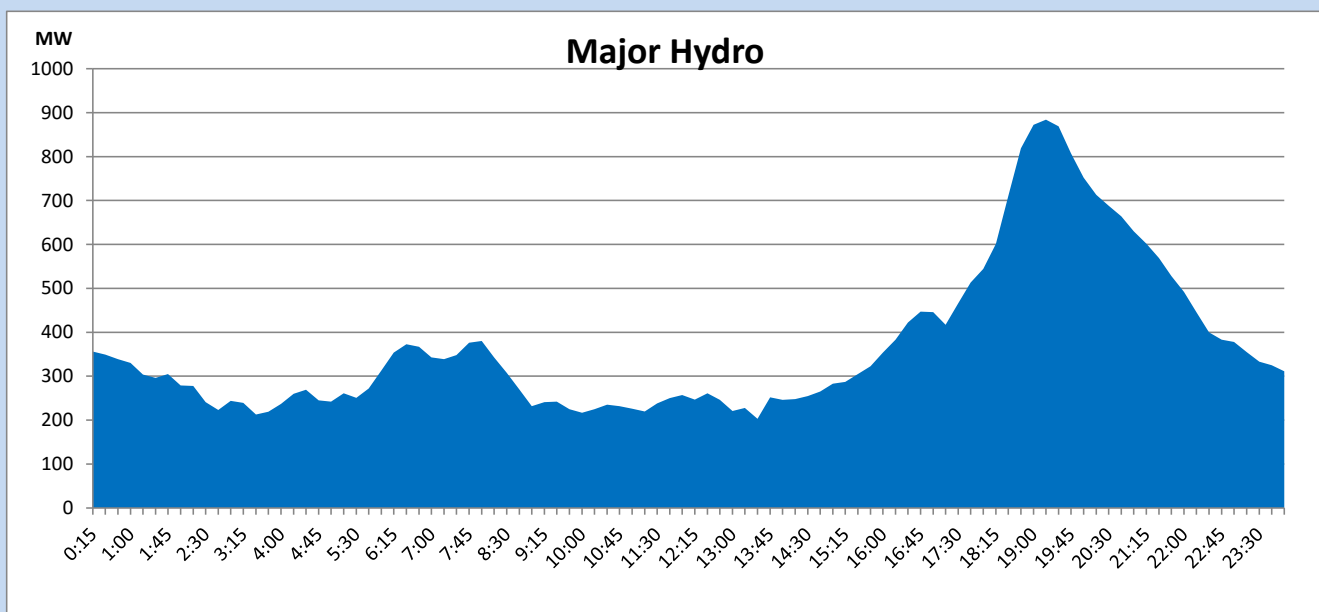
## IPP Oil Plant Generation during

April 16, 2023



## Major Hydro Generation during

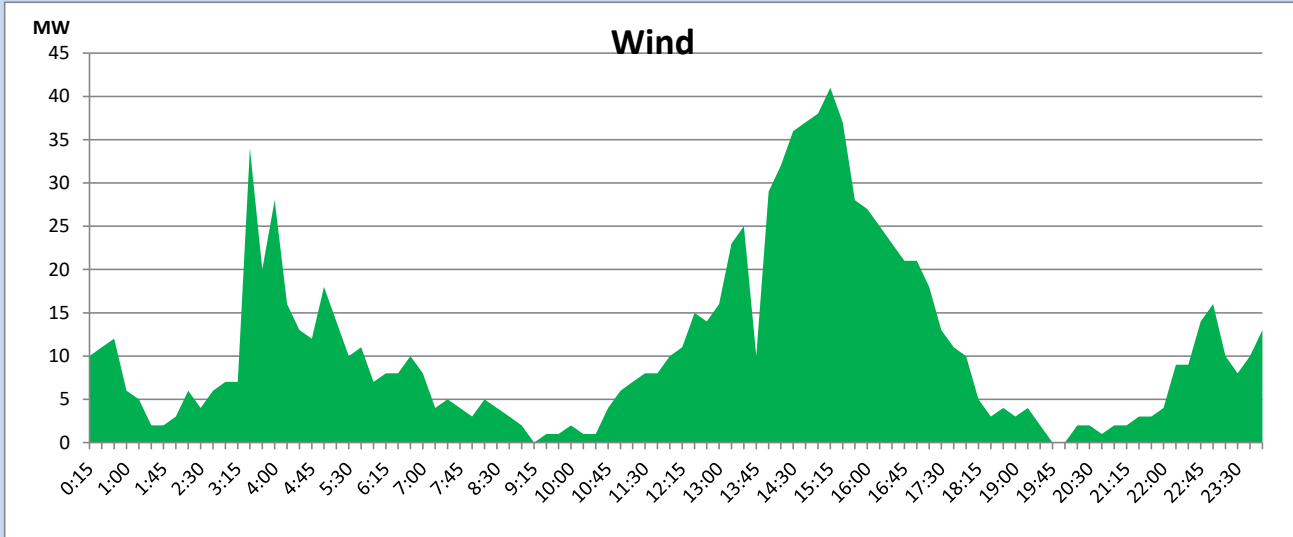
April 16, 2023



## Wind Generation during

April 16, 2023

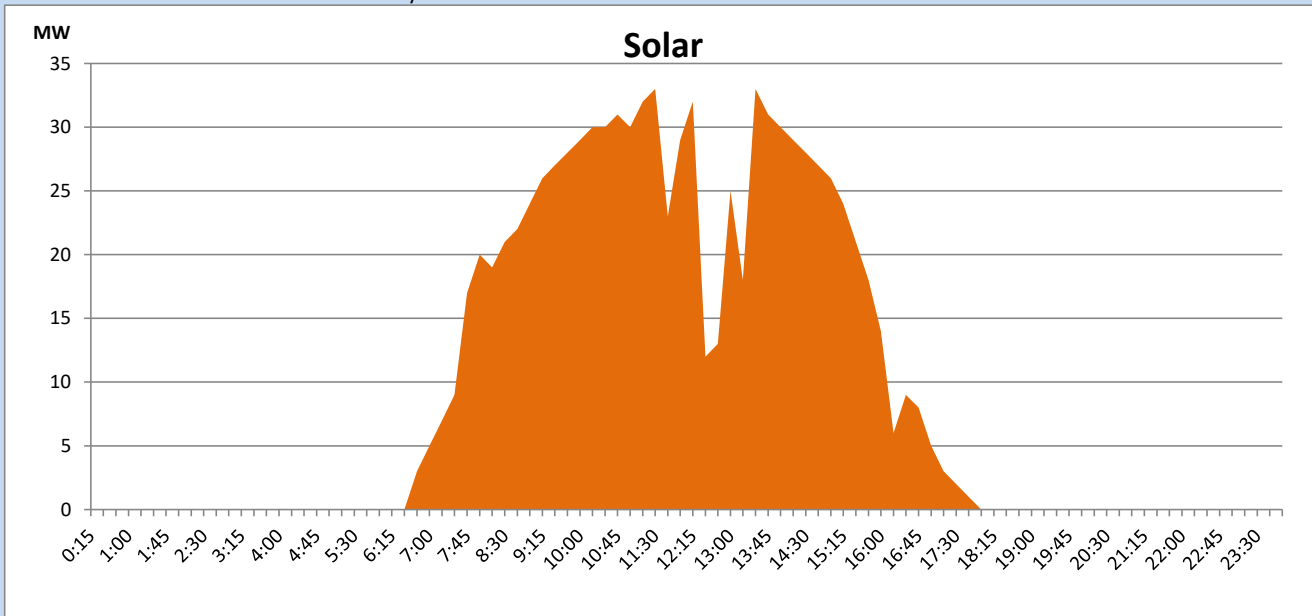
Based on Telemetered Power Stations only



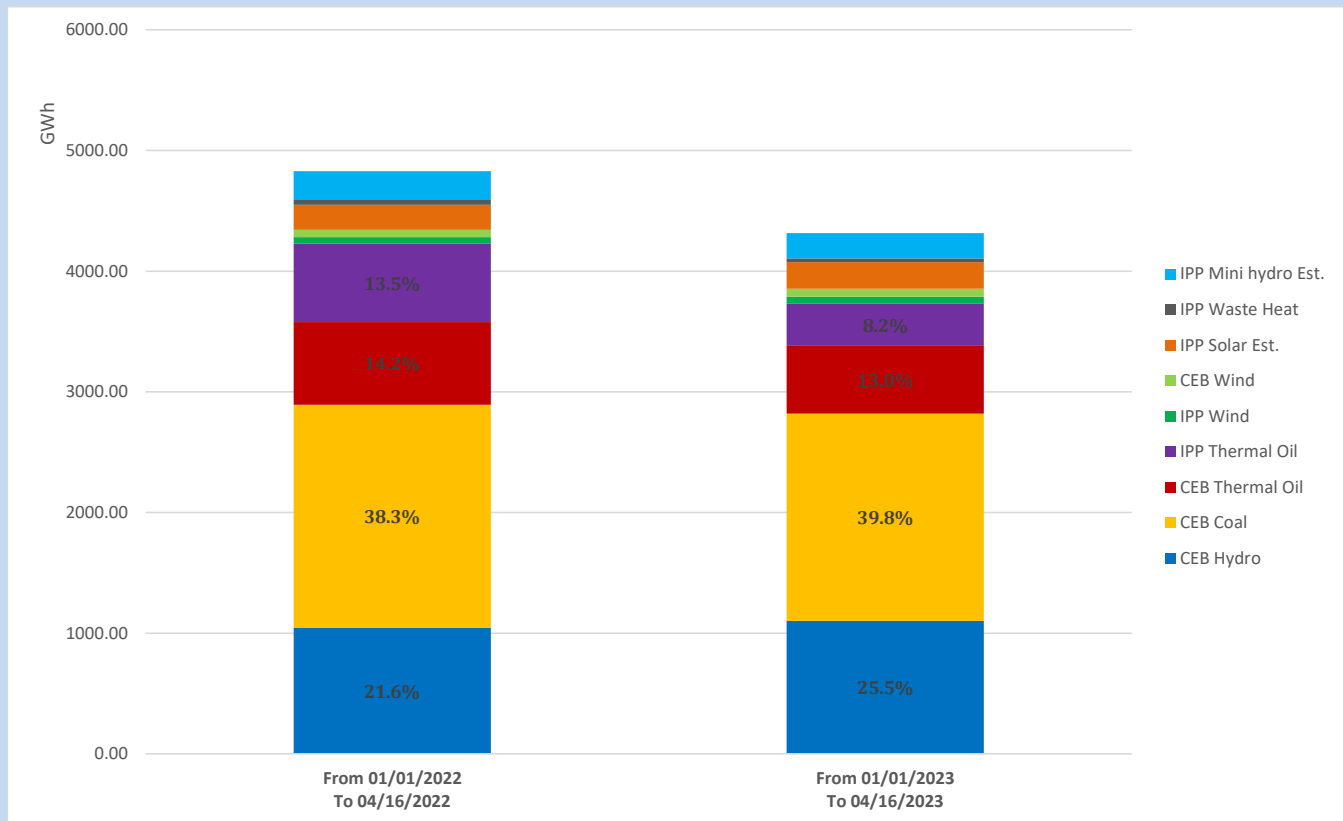
## Solar Generation during

April 16, 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 16, 2023

- 1) Kotmale – New Habarana 220kV cct 02 tripped from New Habarana end only at 13:34hrs due to the operation of differential protection. At the same time, Kotmale – New Habarana 220kV cct 01 A/R from both ends due to the operation of differential protection. Kotmale – New Habarana 220kV cct 02 was normalized at 13:41hrs
- 2) Vavunia - Kilinochchi 132kV cct 02 A/R from both ends at 18:00hrs due to the operation of Distance protection.
- 3) Sapugaskanda P/S unit 06 tripped at 19:07hrs due to high oil mist concentration. Sapugaskanda P/S unit 06 is yet to resumegeneration.
- 4) LVPS Unit 03 reached 270MW(Net.) at 20:00hrs after rectifying the CW pump-related issue. LVPS Unit 02 reached 270MW(Net.) at 20.14hrs.