

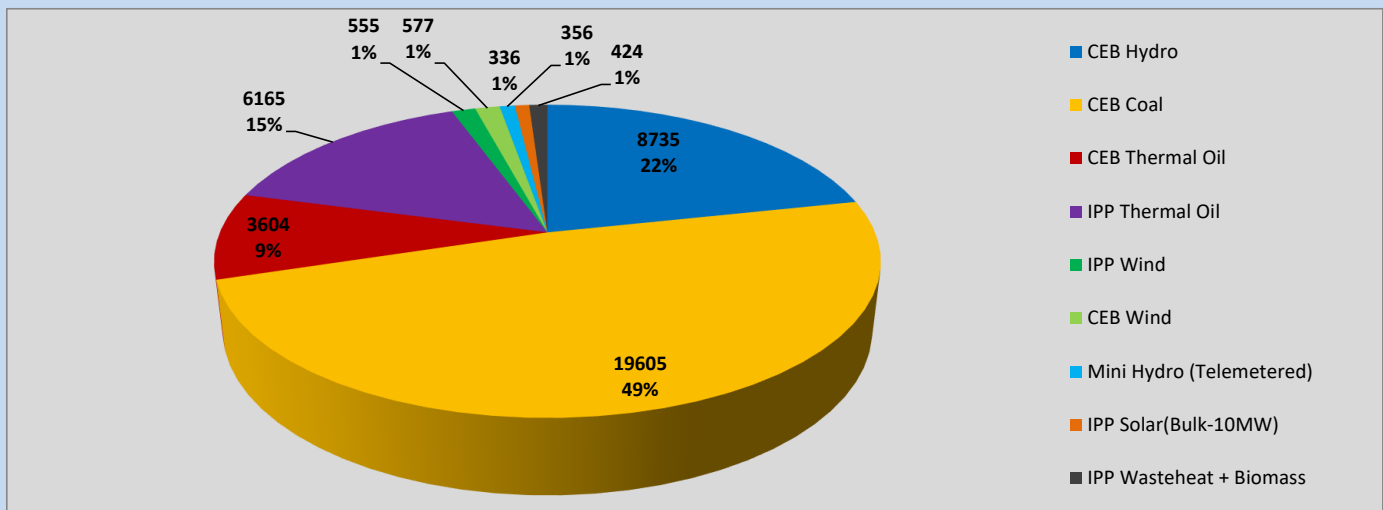
# Generation and Reservoirs Statistics

February 23, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,357 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 1524 MWh  
 Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh  
 Estimated Solar Roof Top PV = 1450 MWh

## Cumulative Dispatch

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

### For Current Month

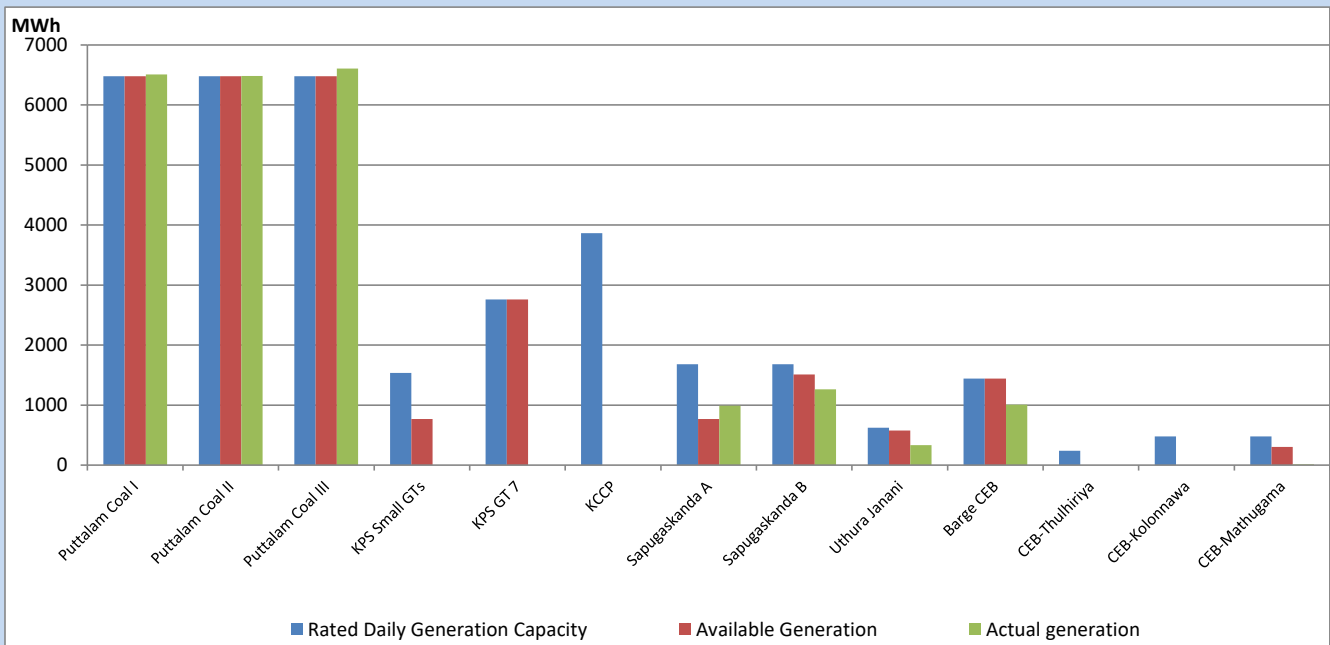
Category	Dispatch (GWh)	Percentage
CEB Hydro	228	26.22%
CEB Coal	441	50.65%
CEB Thermal Oil	87	10.05%
IPP Thermal	56	6.39%
SPP Wind	13	1.49%
CEB Wind	15	1.77%
Mini Hydro (Telemetered)	15	1.76%
IPP Solar(Bulk-10MW)	7	0.77%
IPP Wasteheat + BMP	8	0.89%
<b>Total</b>	<b>870</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	558	28.12%
CEB Coal	908	45.73%
CEB Thermal Oil	260	13.11%
IPP Thermal	111	5.61%
SPP Wind	34	1.71%
CEB Wind	41	2.04%
Mini Hydro (Telemetered)	42	2.14%
IPP Solar(Bulk-10MW)	15	0.76%
IPP Wasteheat	15	0.77%
<b>Total</b>	<b>1,985</b>	

## CEB owned Thermal Plant Dispatch

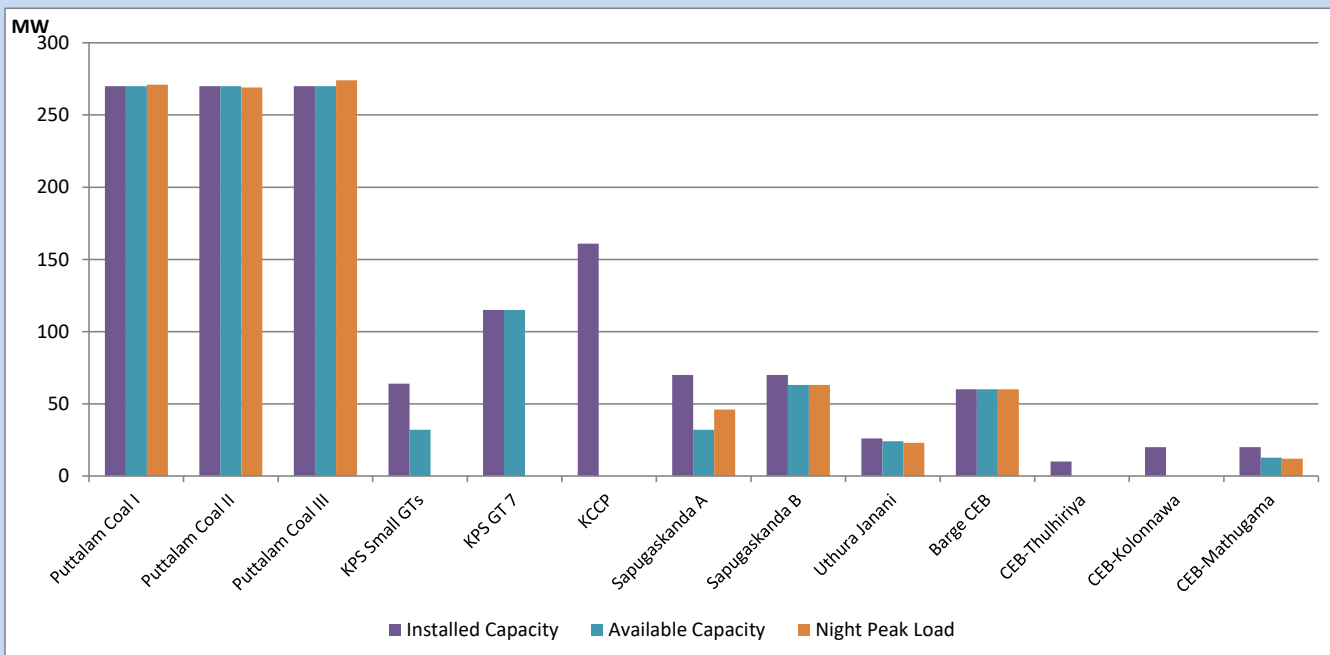
February 23, 2023



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

February 24, 2023

## CEB owned Thermal Plant Loading at the Night Peak

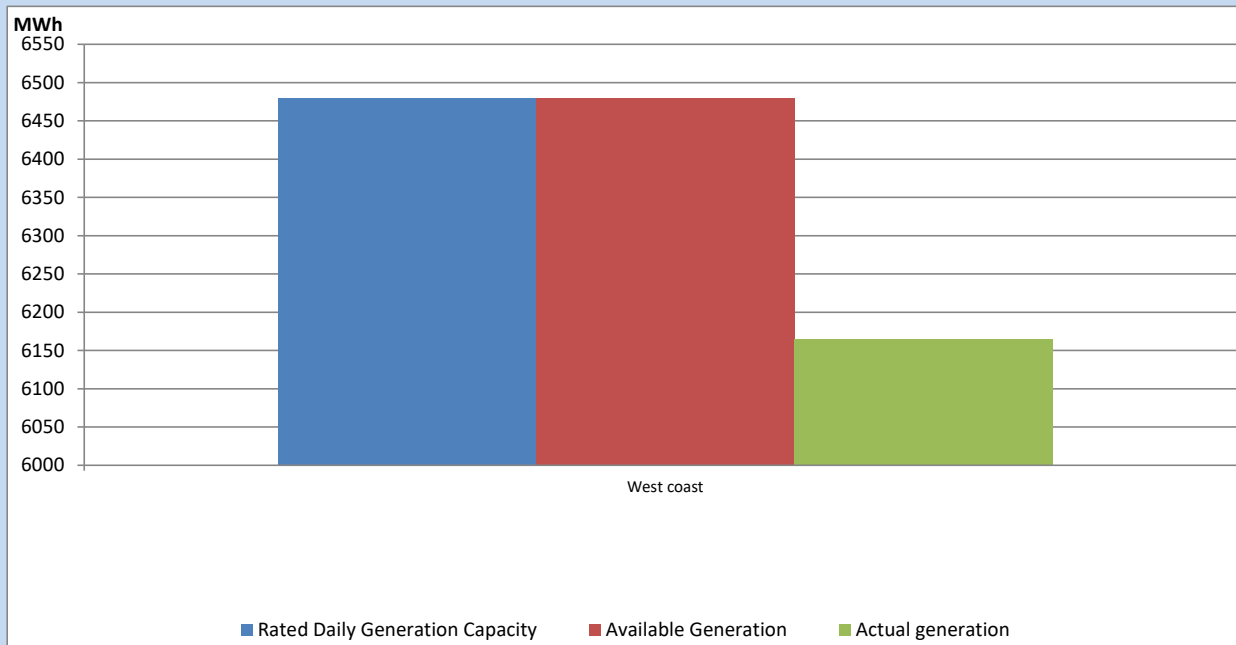


Note- Plant availability is recorded at 6.00 am on

February 24, 2023

## IPP owned Thermal Plant Dispatch

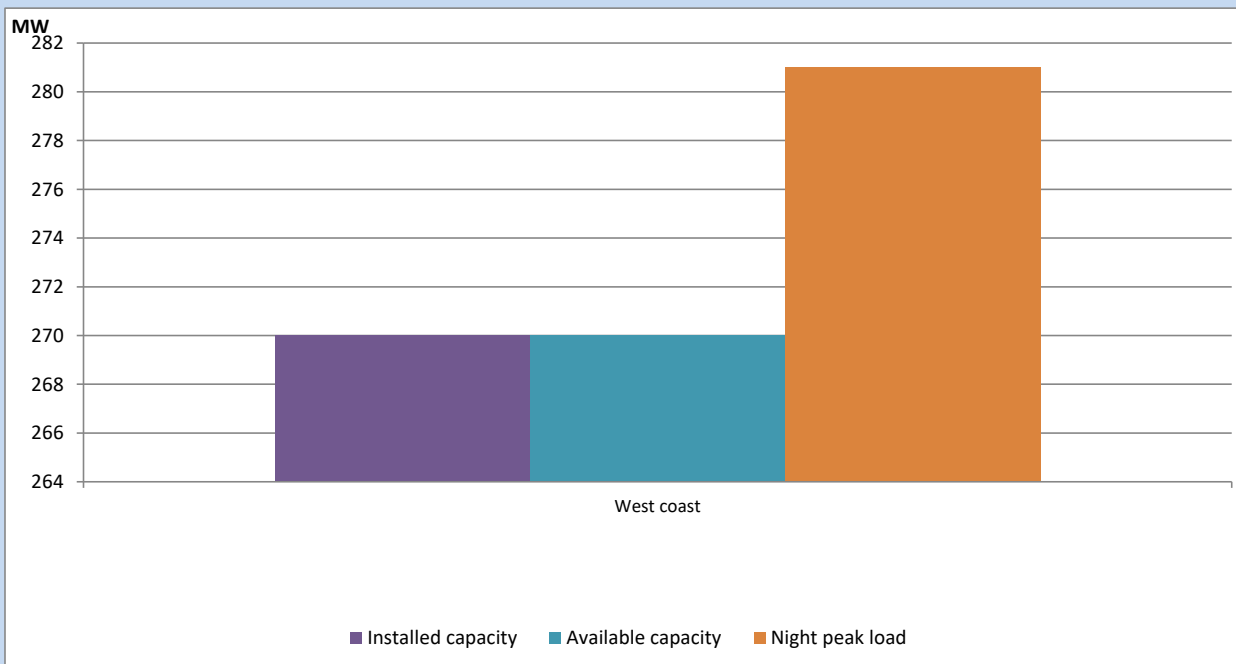
February 23, 2023



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

February 24, 2023

## IPP owned Thermal Plant Loading at the Night Peak

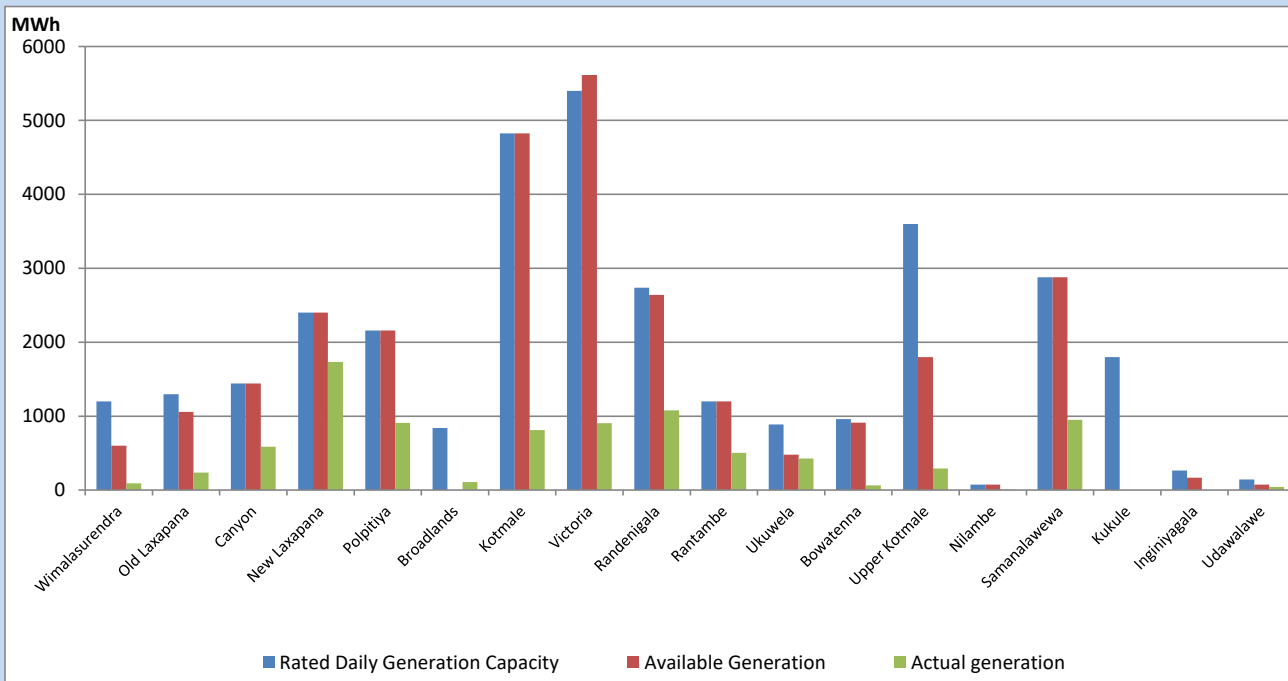


Note- Plant availability is recorded at 6.00 am on

February 24, 2023

## Major Hydro Plant Dispatch

February 23, 2023

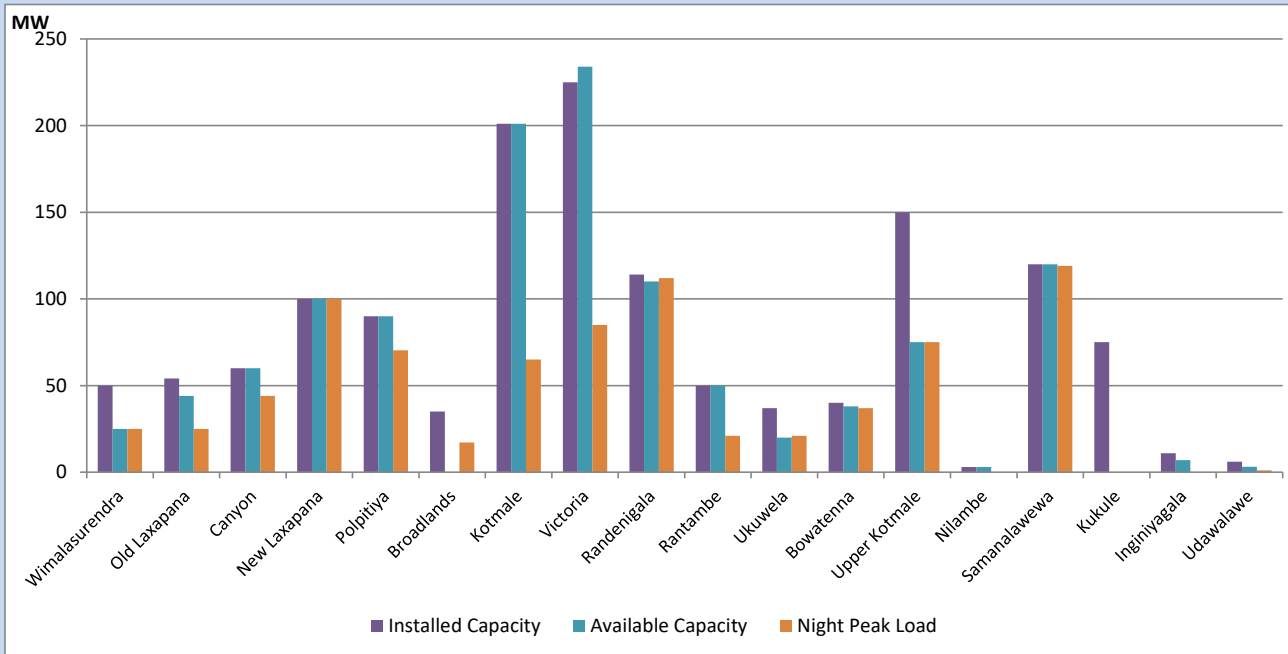


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 24, 2023

## Major Hydro Plant Loading at Night Peak

February 23, 2023



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

February 24, 2023

## Summary of Major Plant performance

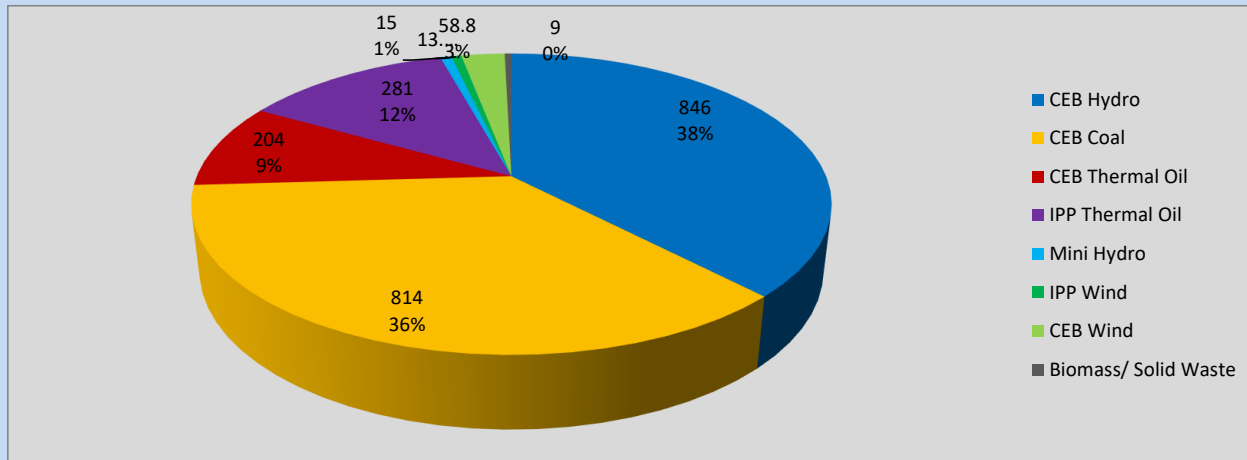
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	91
Old Laxapana	54	44	25	236
Canyon	60	60	44	587
New Laxapana	100	100	100	1,731
Polpitiya	90	90	70	907
Broadlands	35	0	17	107
Kotmale	201	201	65	810
Victoria	225	234	85	904
Randenigala	114	110	112	1,077
Rantambe	50	50	21	503
Ukuwela	37	20	21	426
Bowatenna	40	38	37	65
Upper Kotmale	150	75	75	292
Nilambe	3	3	0	7
Samanalawewa	120	120	119	949
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	43
Puttalam Coal I	270	270	271	6,511
Puttalam Coal II	270	270	269	6,485
Puttalam Coal III	270	270	274	6,609
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	32	46	991
Sapugaskanda B	70	63	63	1,262
Uthura Janani	26	24	23	332
Barge CEB	60	60	60	1,007
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	12	12
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	281	6,165
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,599</b>	<b>2,213</b>	<b>40,357</b>

Plant availability is the availability recorded at 6 am on

February 24, 2023

## Contribution to the Night Peak in MW

February 23, 2023

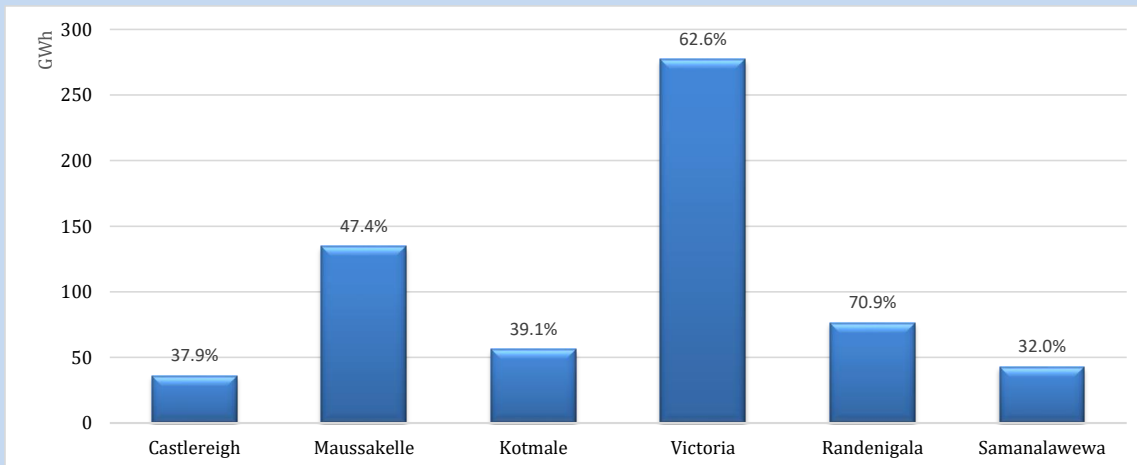


Night Peak*	2,241 MW
Day Peak	1,839 MW
Minimum Demand	1,217 MW

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

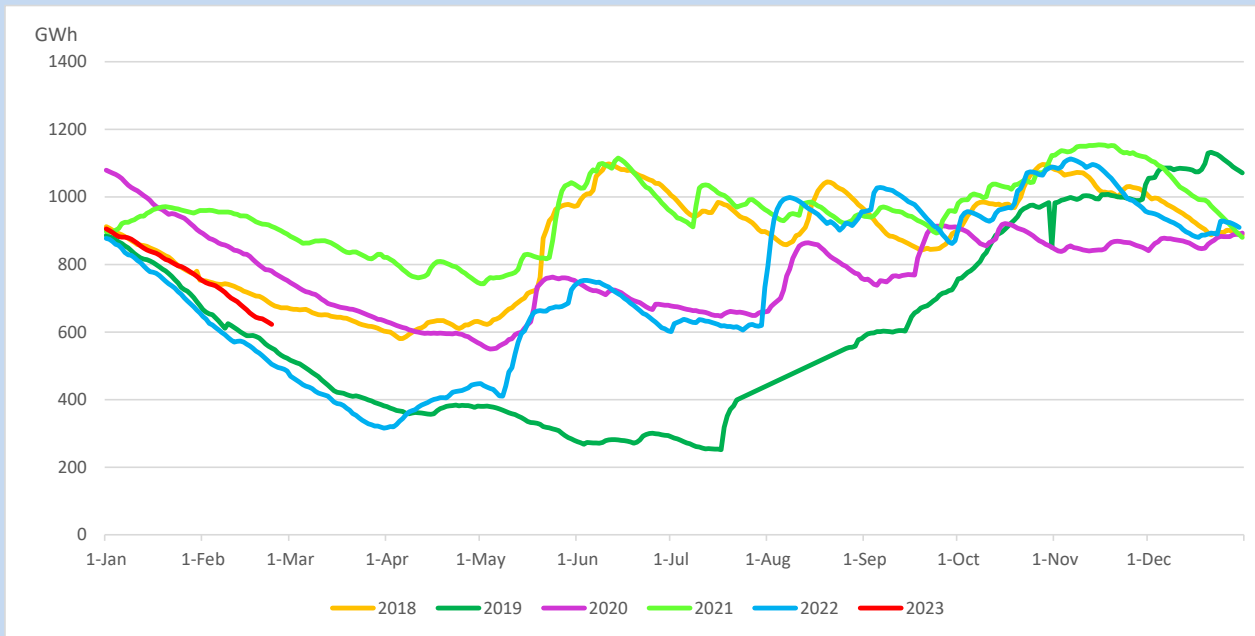
## Reservoir Levels -

as at 06.00 Hr on February 24, 2023

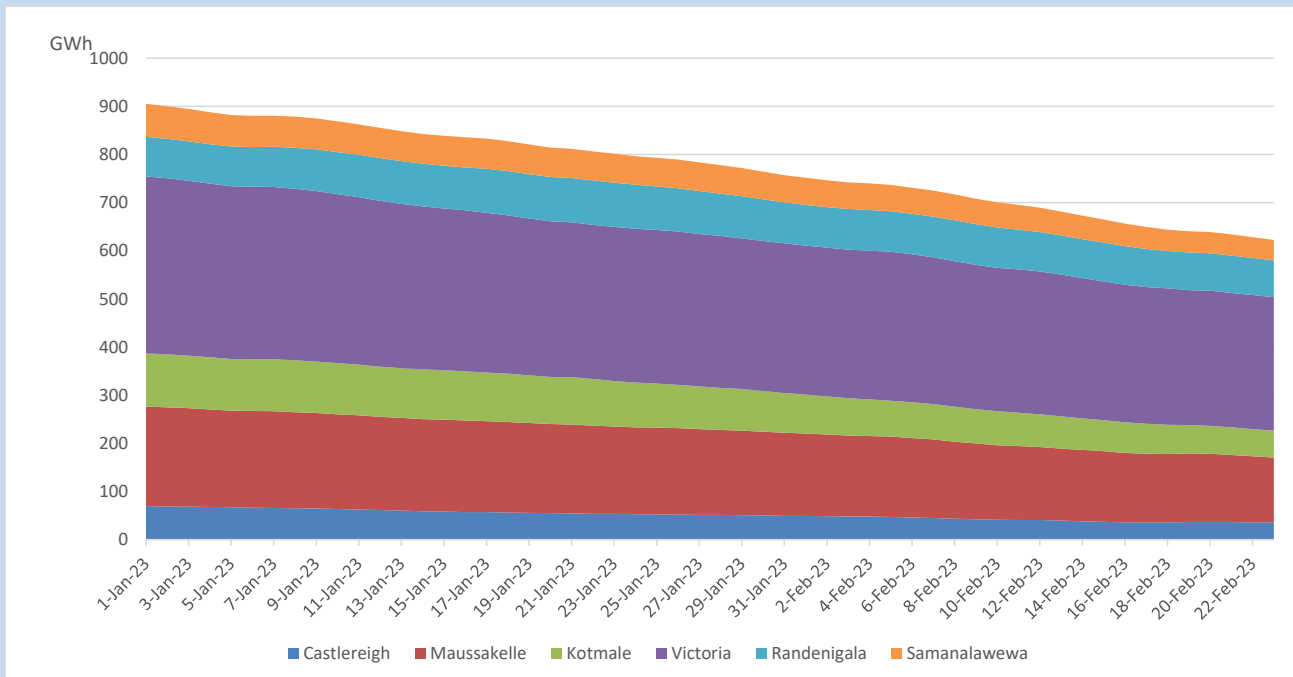


Total Reservoir Level	622.6 GWh
% of Total capacity	51.6%

## Comparison of Total Reservoir Storage Levels with Past Years

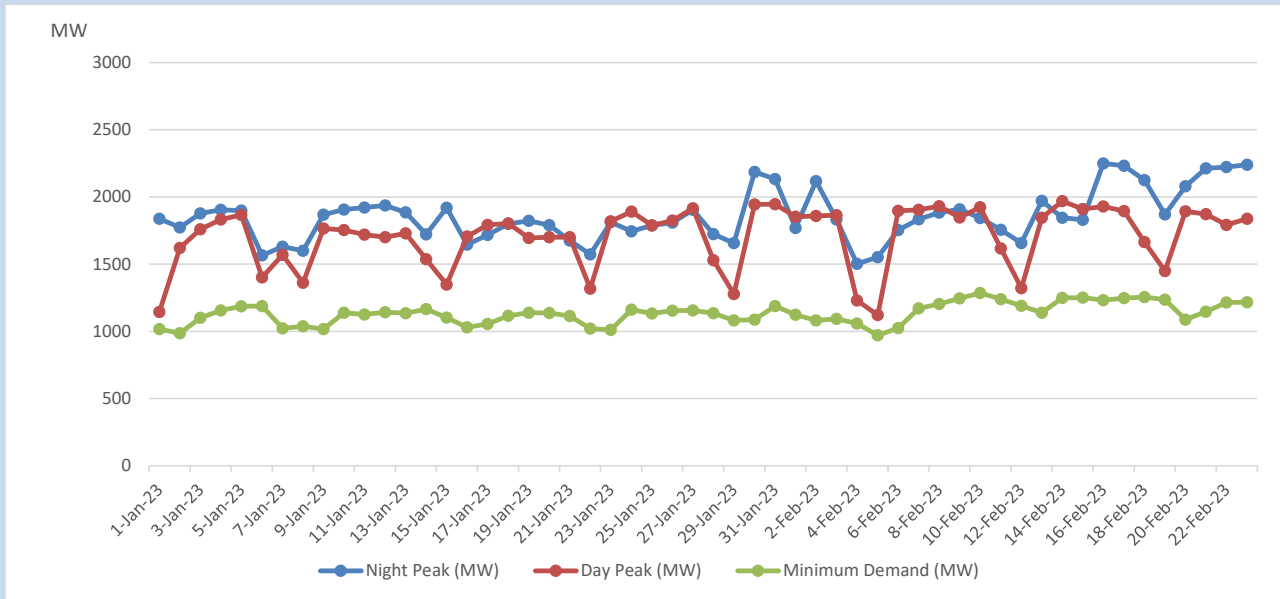


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

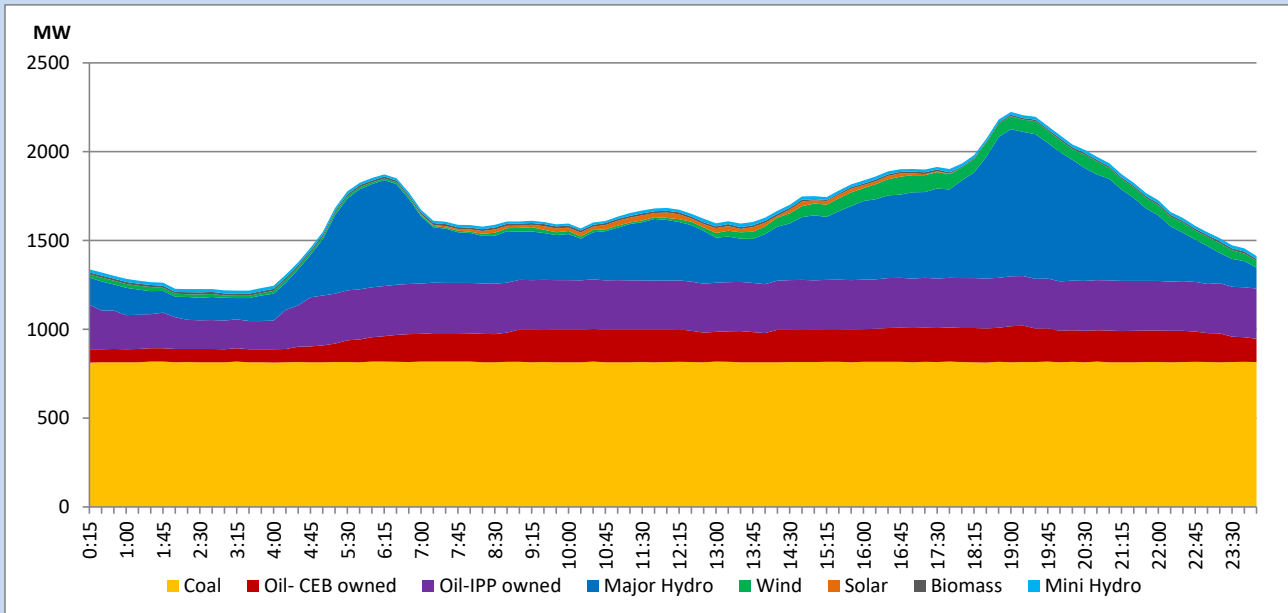


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

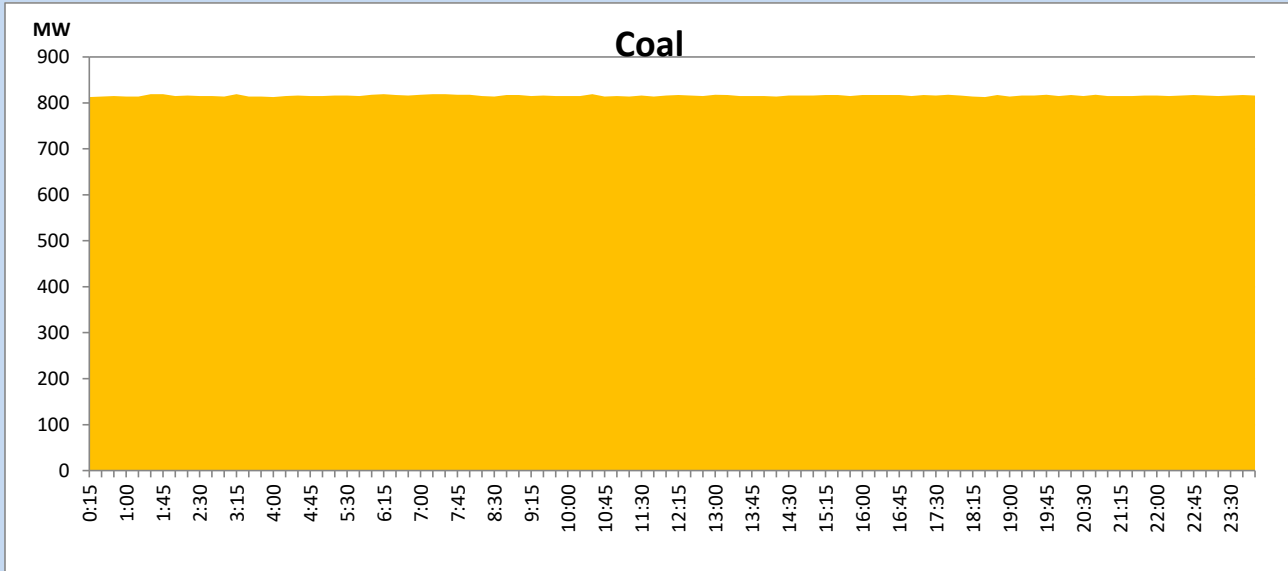
February 23, 2023

Solar and wind data is based on Telemetered Power Stations only



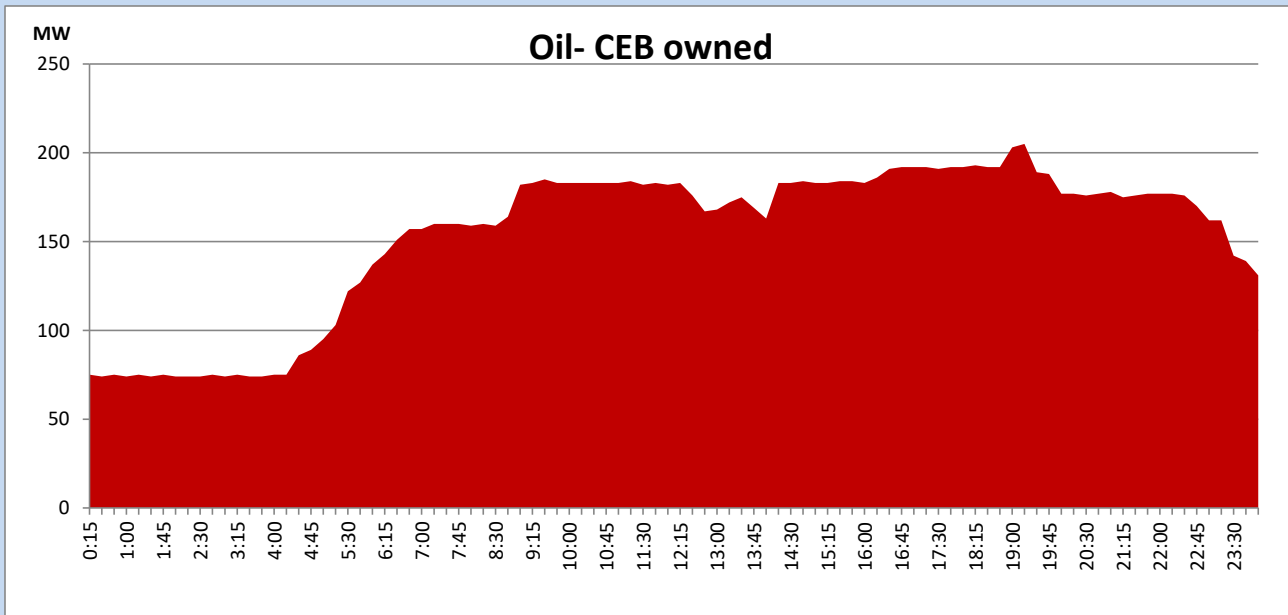
## Coal Generation during

February 23, 2023



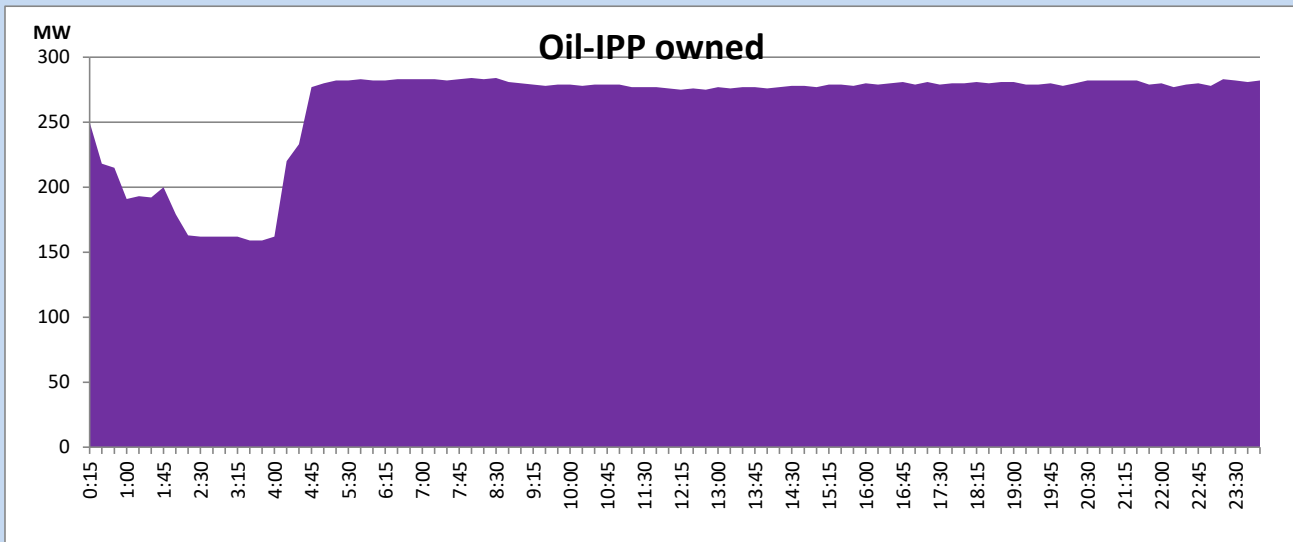
## CEB Oil Plant Generation during

February 23, 2023



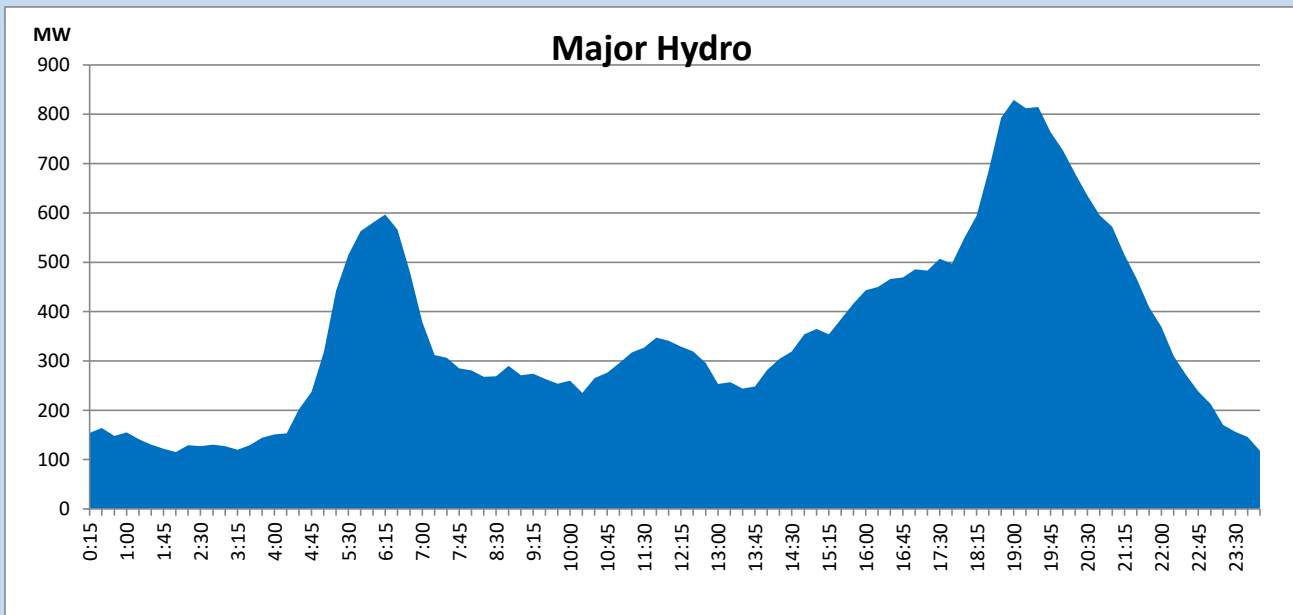
## IPP Oil Plant Generation during

February 23, 2023



## Major Hydro Generation during

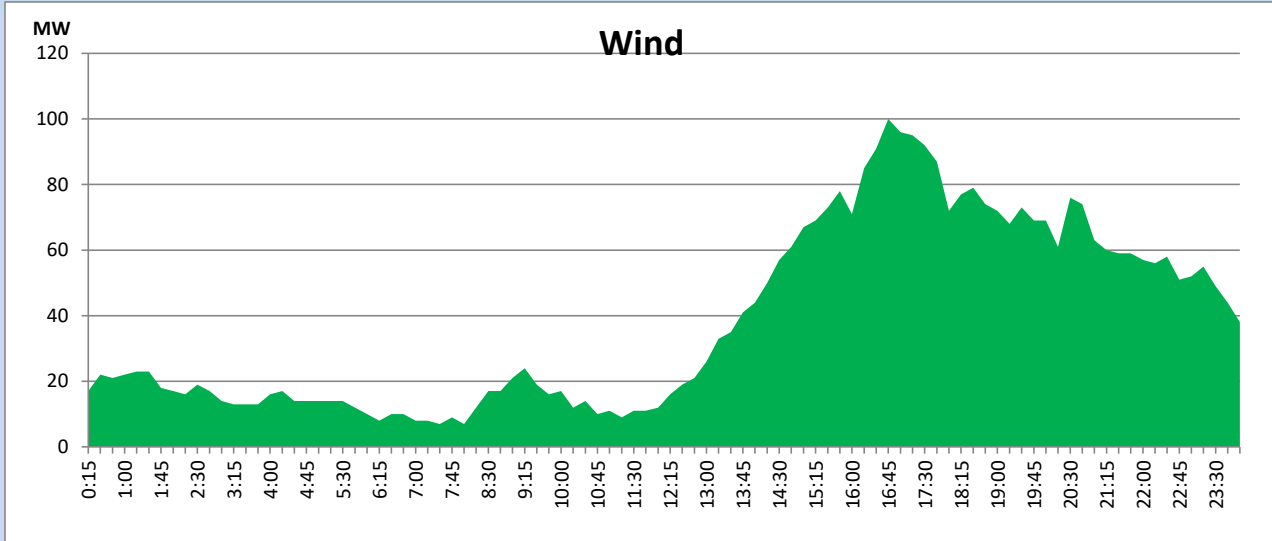
February 23, 2023



## Wind Generation during

February 23, 2023

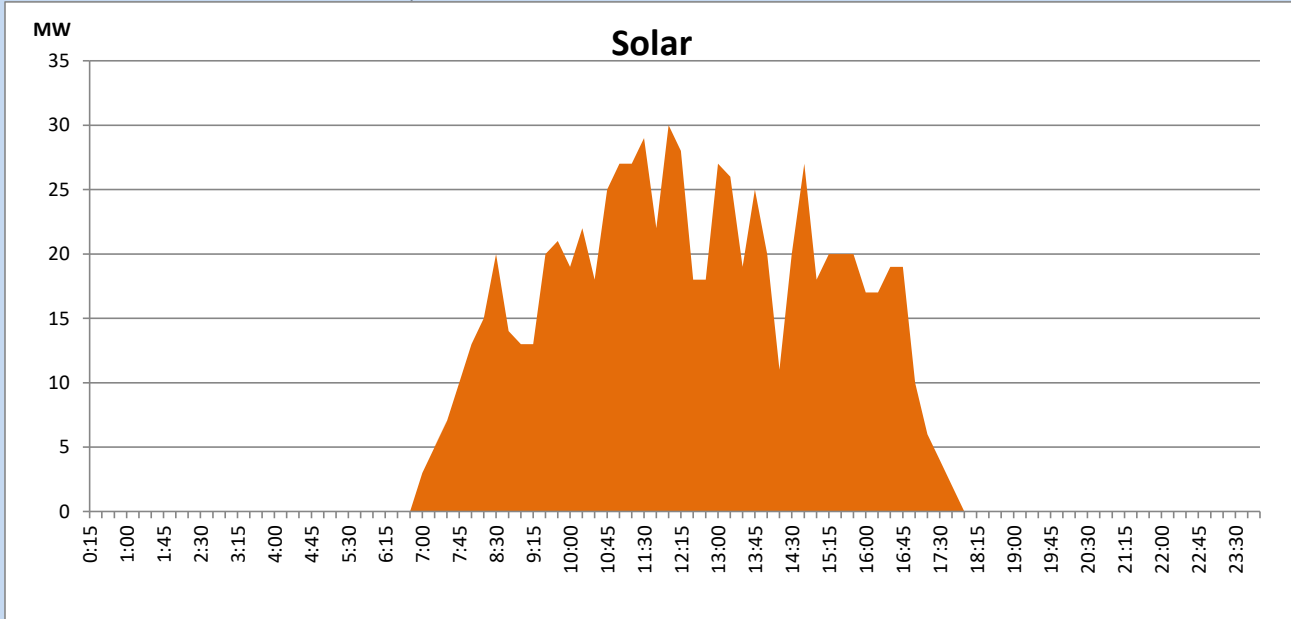
Based on Telemetered Power Stations only



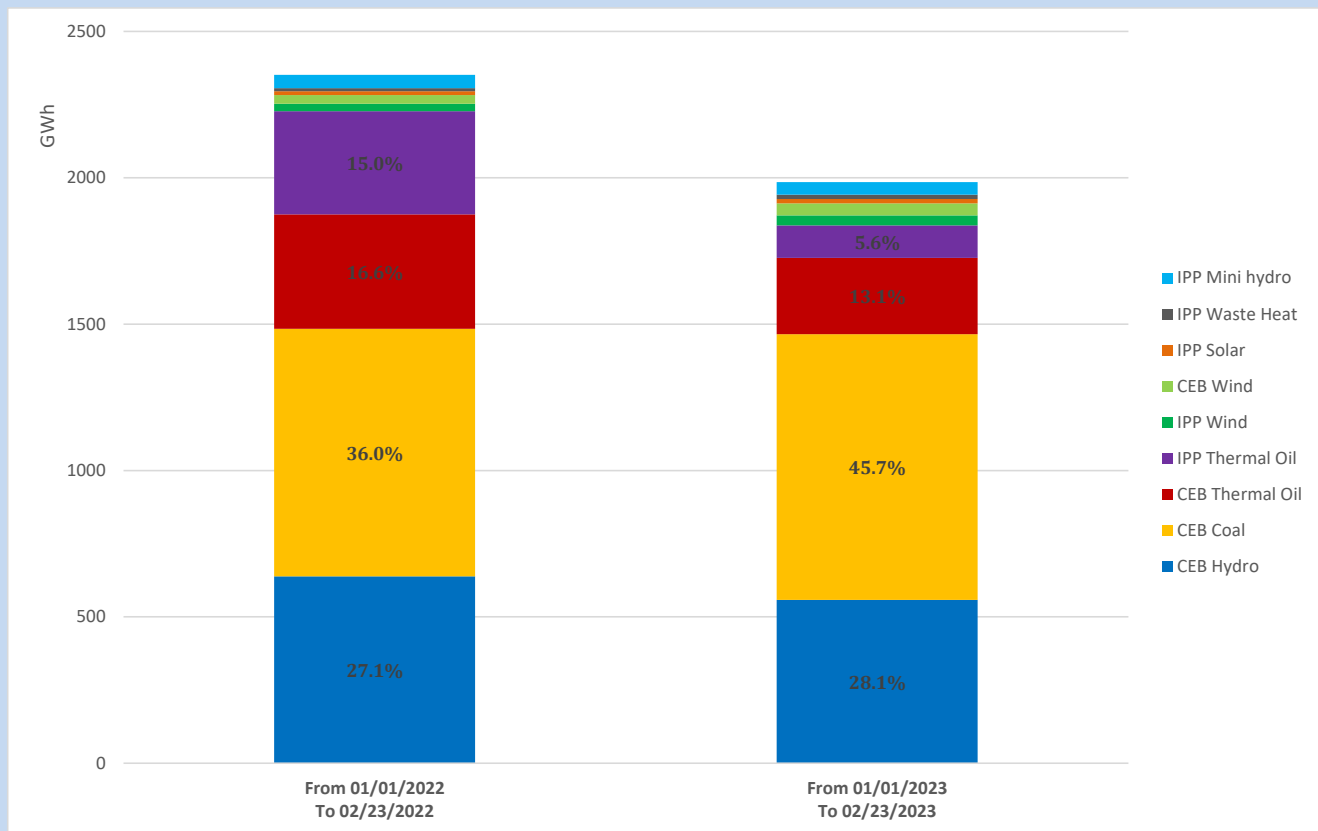
## Solar Generation during

February 23, 2023

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	
West Coast	Auto Diesel / Heavy Fuel

### Major Incidents reported during the day

February 23, 2023

1). Kappalthurai T/F 01 tripped at 21:28hrs with high oil temperature alarm affecting Feeder 03 and 04 to be dead. Kappalthurai T/F 02 (Which tripped 03:07hrs on 22.02.23) and feeders were normalized by 21:58hrs. Kappalthurai T/F 01 yet to be energized.