

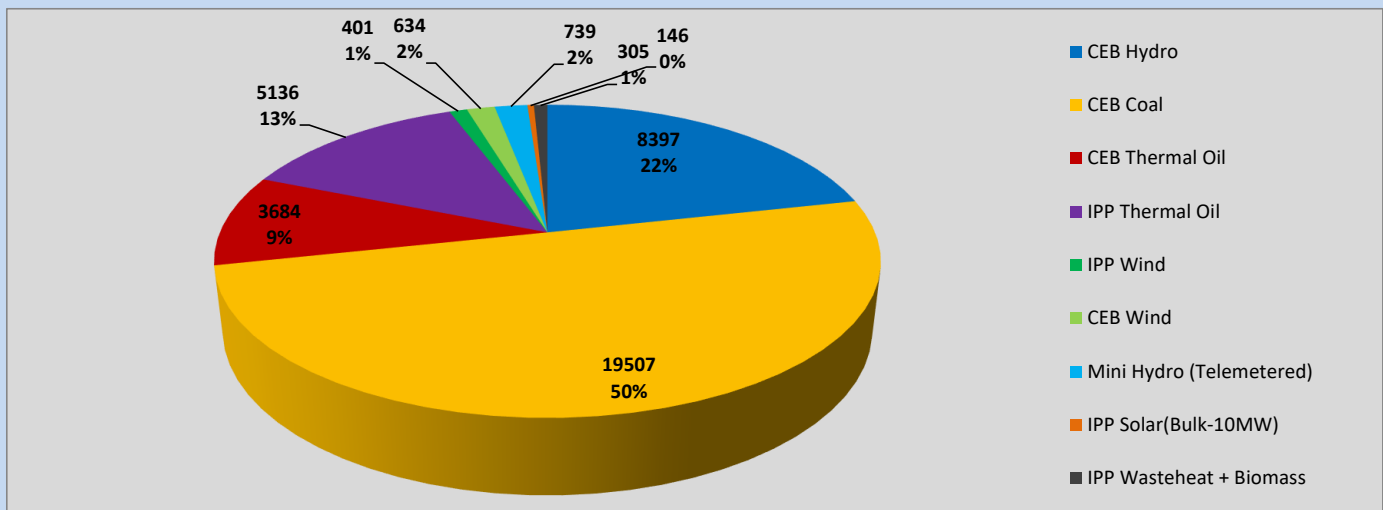
# Generation and Reservoirs Statistics

February 20, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

**38,949 MWh**

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 1141 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

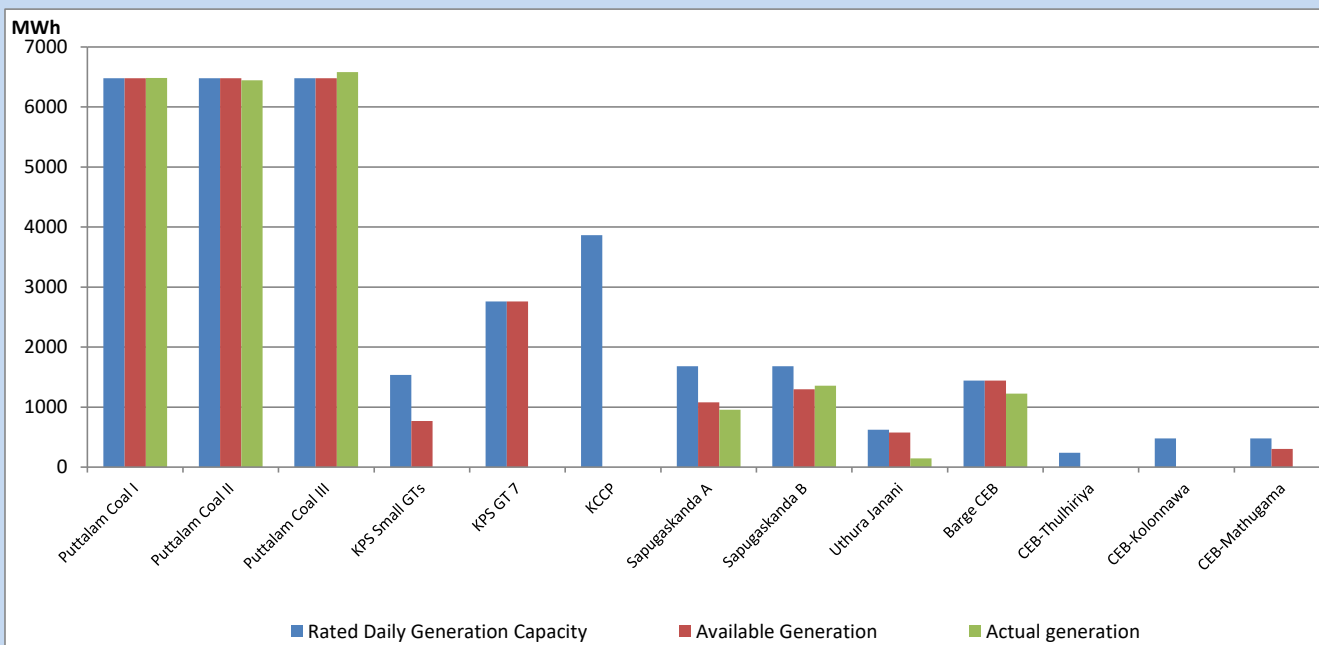
Category	Dispatch (GWh)	Percentage
CEB Hydro	202	26.93%
CEB Coal	383	51.00%
CEB Thermal Oil	77	10.30%
IPP Thermal	38	5.00%
SPP Wind	11	1.48%
CEB Wind	14	1.82%
Mini Hydro (Telemetered)	14	1.84%
IPP Solar (Bulk-10MW)	6	0.75%
IPP Wasteheat + BMP	7	0.87%
<b>Total</b>	<b>751</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	532	28.52%
CEB Coal	850	45.56%
CEB Thermal Oil	250	13.41%
IPP Thermal	93	5.00%
SPP Wind	32	1.72%
CEB Wind	39	2.08%
Mini Hydro (Telemetered)	41	2.20%
IPP Solar (Bulk-10MW)	14	0.75%
IPP Wasteheat	14	0.76%
<b>Total</b>	<b>1,865</b>	

## CEB owned Thermal Plant Dispatch

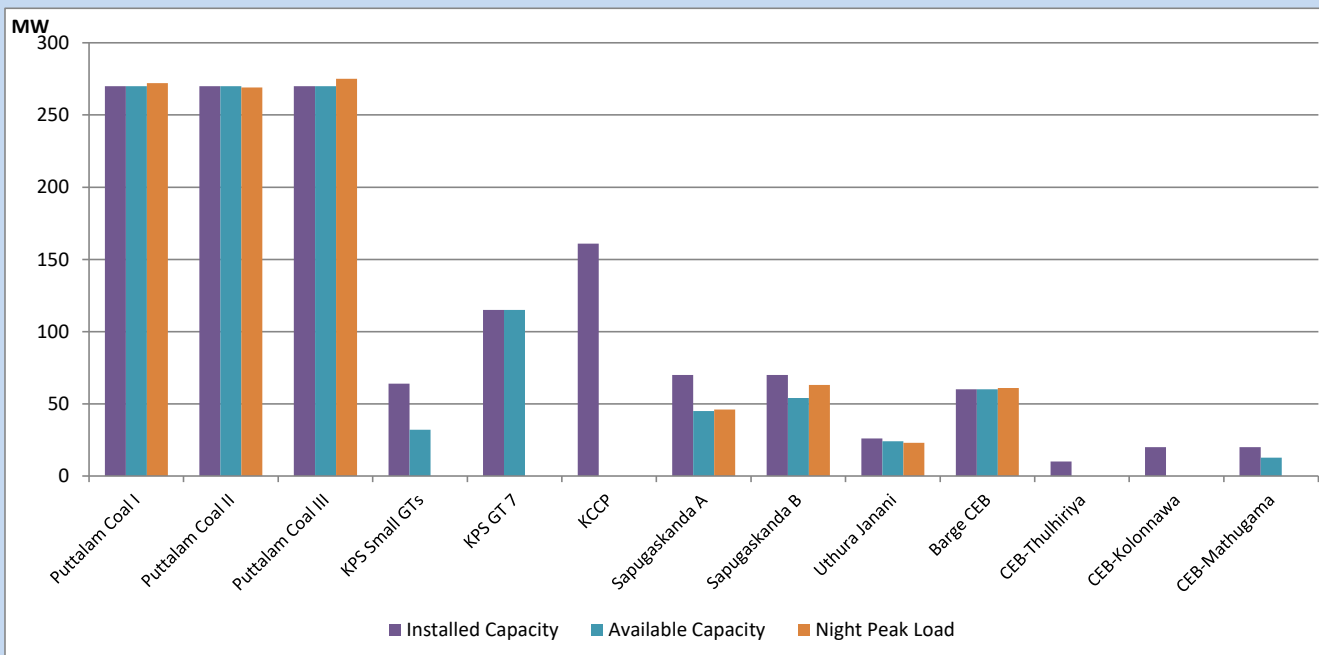
February 20, 2023



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

February 21, 2023

## CEB owned Thermal Plant Loading at the Night Peak

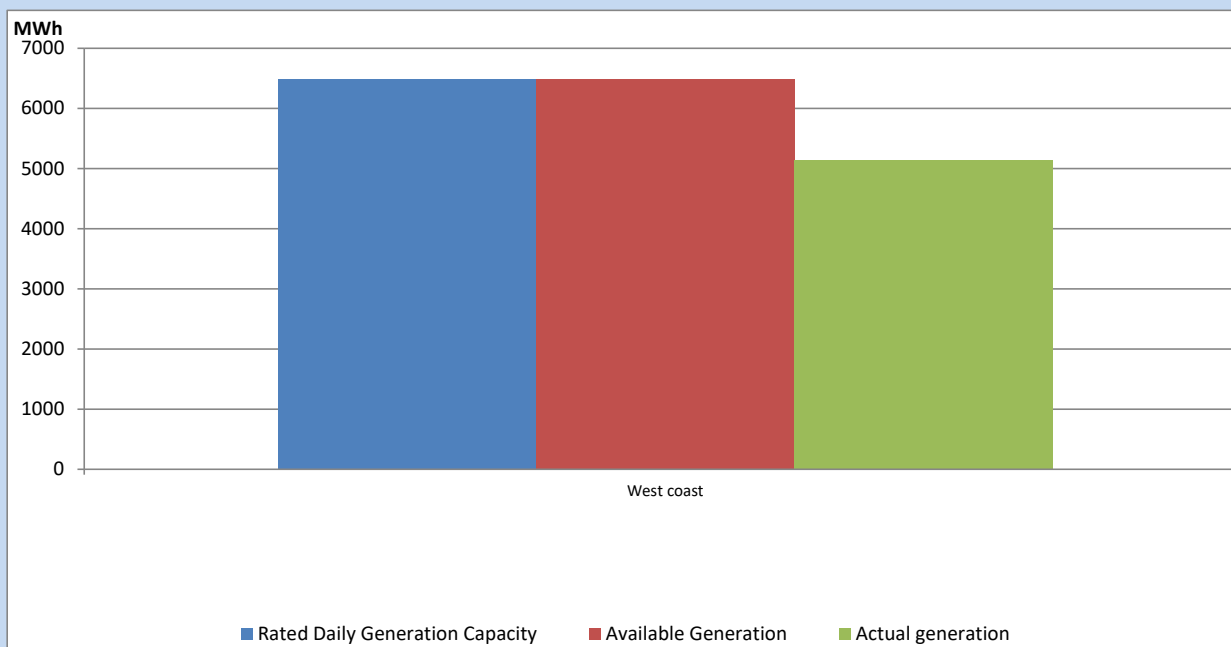


Note- Plant availability is recorded at 6.00 am on

February 21, 2023

## IPP owned Thermal Plant Dispatch

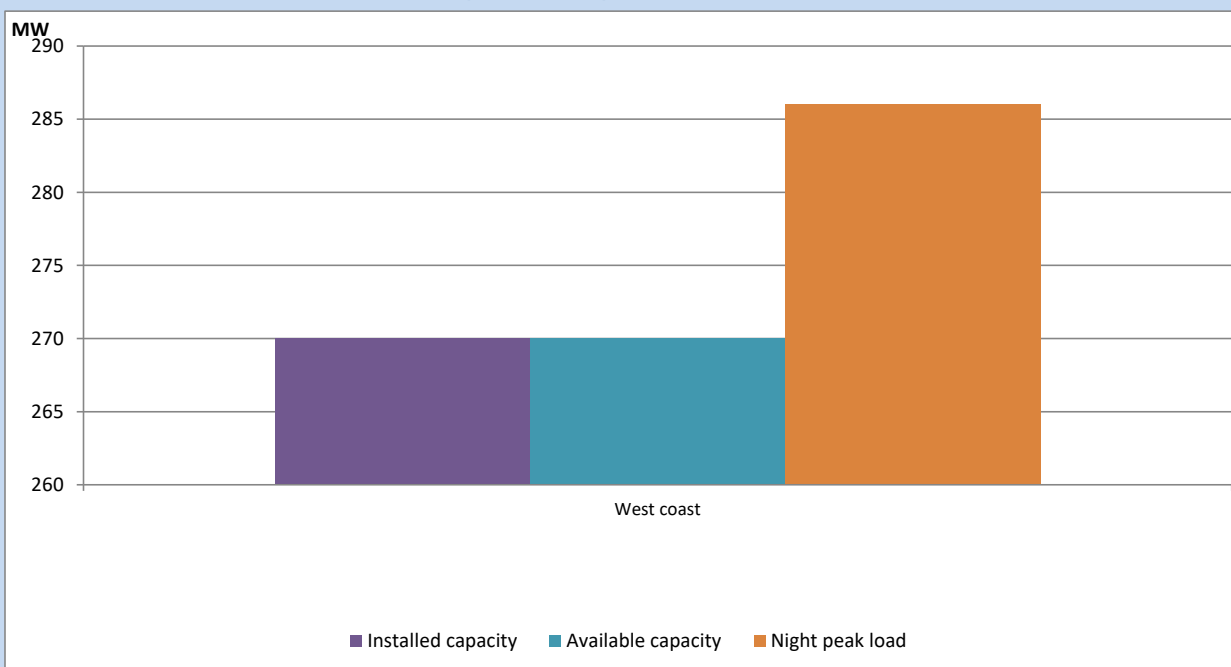
February 20, 2023



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

February 21, 2023

## IPP owned Thermal Plant Loading at the Night Peak

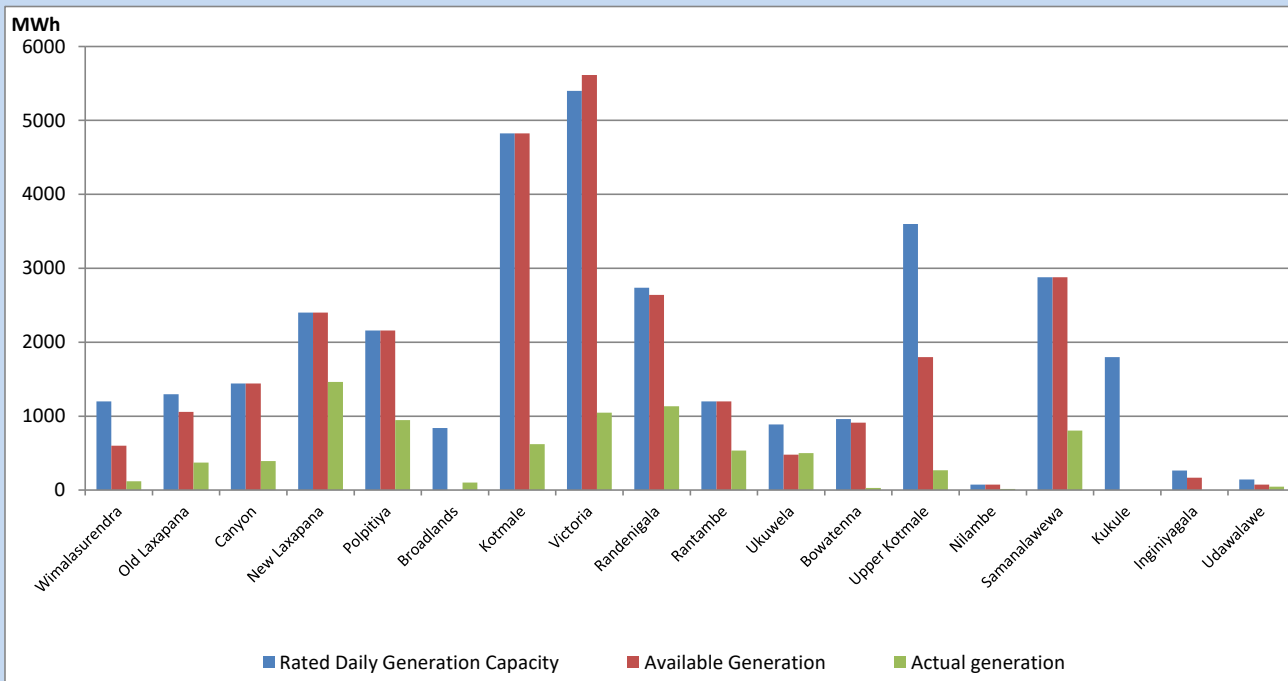


Note- Plant availability is recorded at 6.00 am on

February 21, 2023

## Major Hydro Plant Dispatch

February 20, 2023

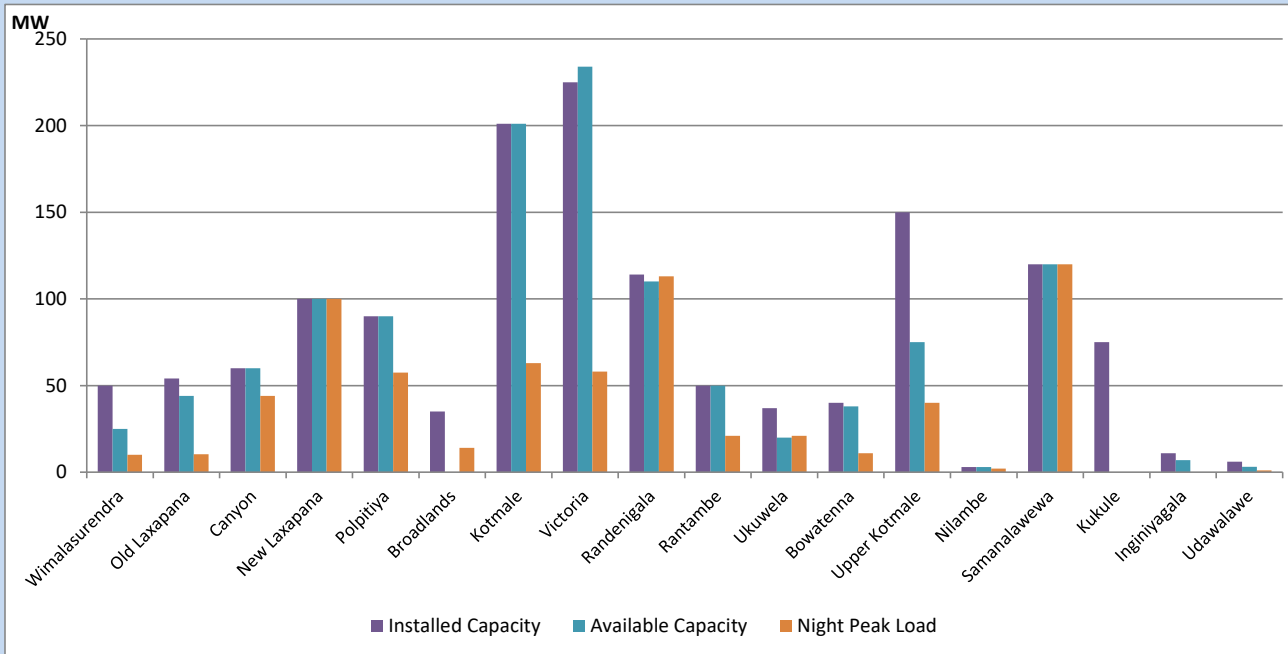


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 21, 2023

## Major Hydro Plant Loading at Night Peak

February 20, 2023



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

February 21, 2023

## Summary of Major Plant performance

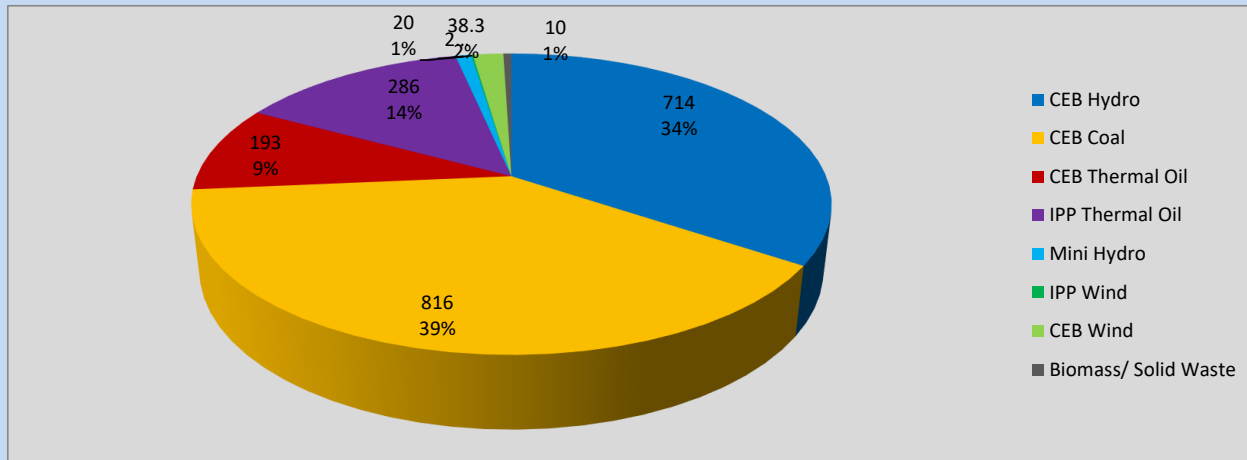
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	118
Old Laxapana	54	44	10	373
Canyon	60	60	44	394
New Laxapana	100	100	100	1,464
Polpitiya	90	90	57	945
Broadlands	35	0	14	102
Kotmale	201	201	63	620
Victoria	225	234	58	1,048
Randenigala	114	110	113	1,134
Rantambe	50	50	21	535
Ukuwela	37	20	21	501
Bowatenna	40	38	11	28
Upper Kotmale	150	75	40	267
Nilambe	3	3	2	16
Samanalawewa	120	120	120	806
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	46
Puttalam Coal I	270	270	272	6,482
Puttalam Coal II	270	270	269	6,445
Puttalam Coal III	270	270	275	6,580
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	46	956
Sapugaskanda B	70	54	63	1,358
Uthura Janani	26	24	23	145
Barge CEB	60	60	61	1,225
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	286	5,136
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,603</b>	<b>2,051</b>	<b>38,949</b>

Plant availability is the availability recorded at 6 am on

February 21, 2023

## Contribution to the Night Peak in MW

February 20, 2023

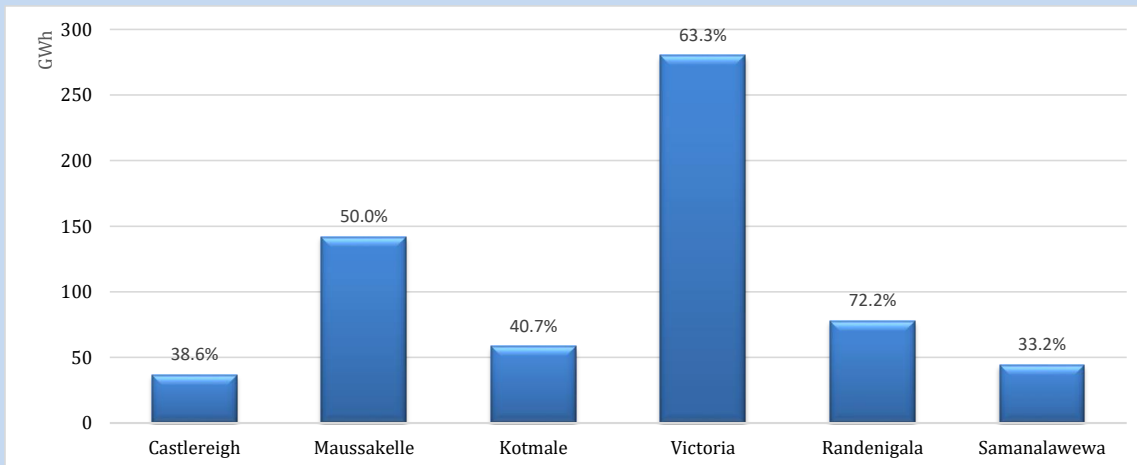


Night Peak*	2,079 MW
Day Peak	1,893 MW
Minimum Demand	1,088 MW

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

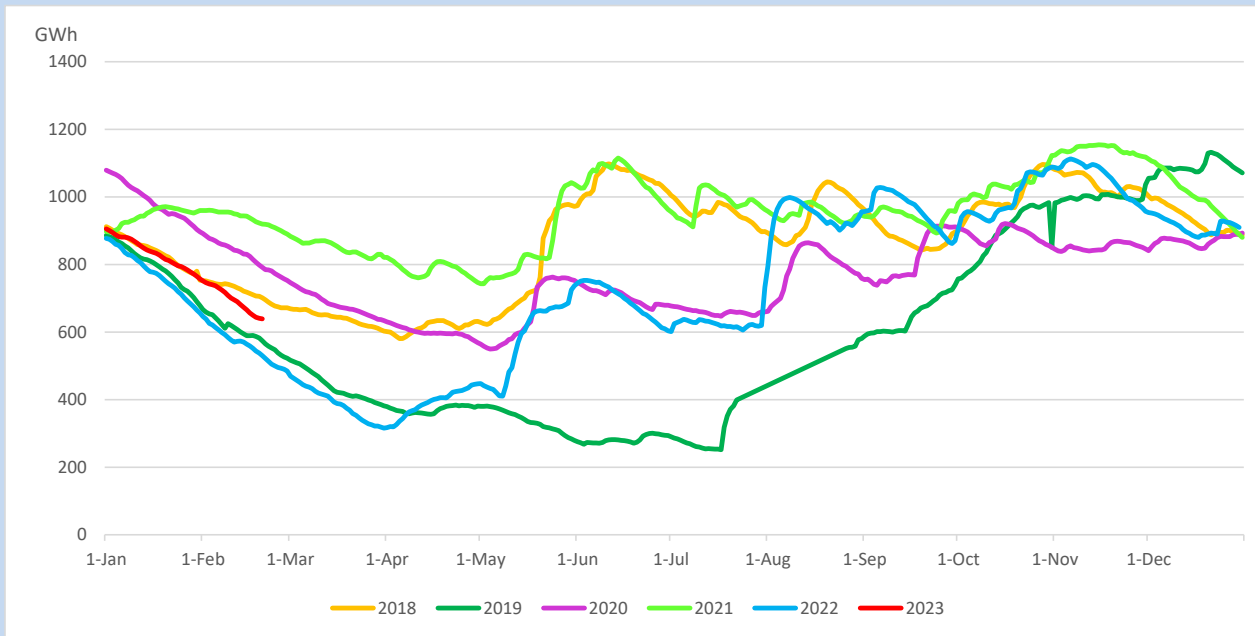
## Reservoir Levels -

as at 06.00 Hr on February 21, 2023

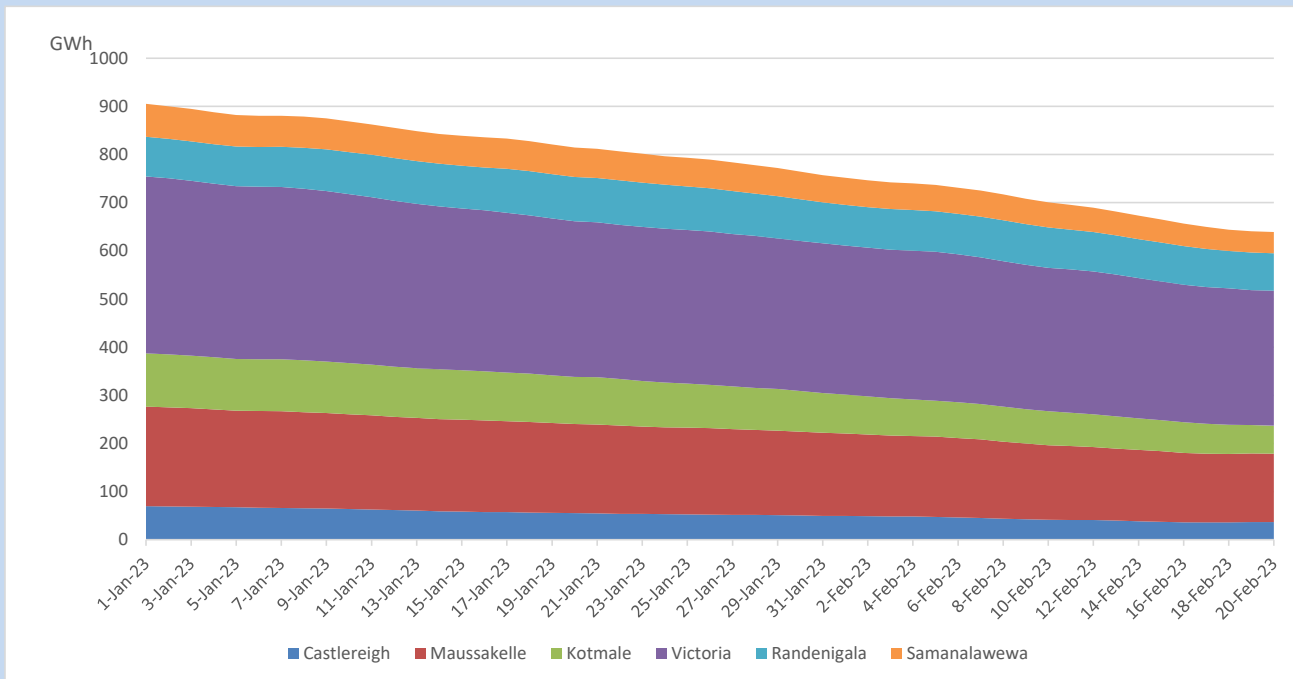


Total Reservoir Level	639 GWh
% of Total capacity	53.0%

## Comparison of Total Reservoir Storage Levels with Past Years

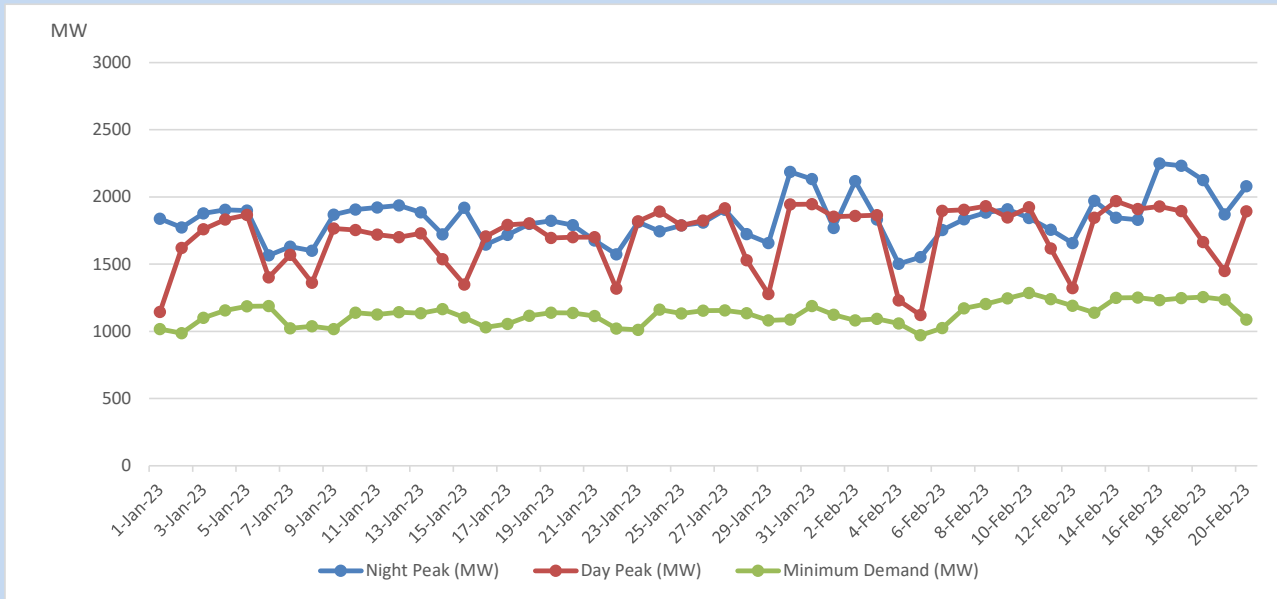


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

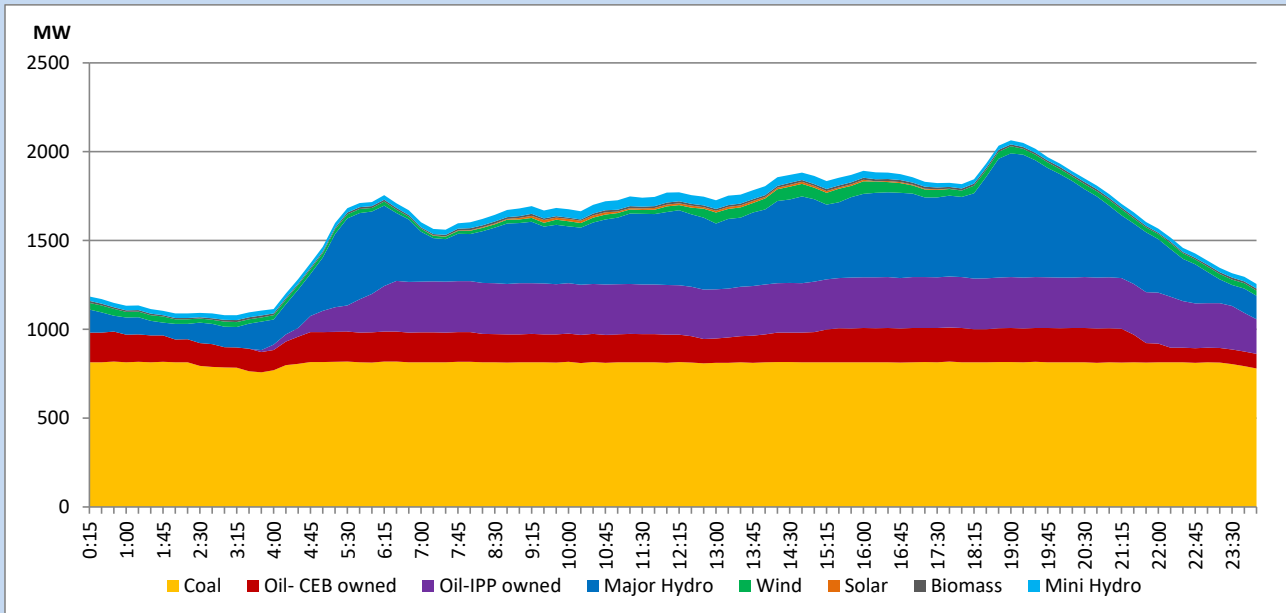


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

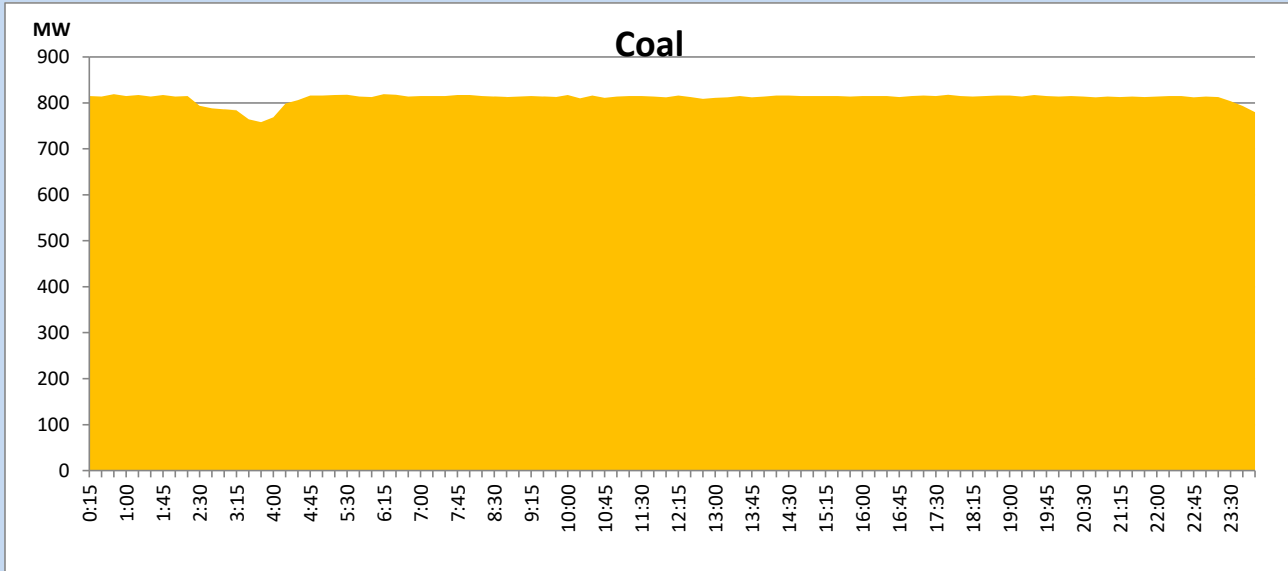
February 20, 2023

Solar and wind data is based on Telemetered Power Stations only



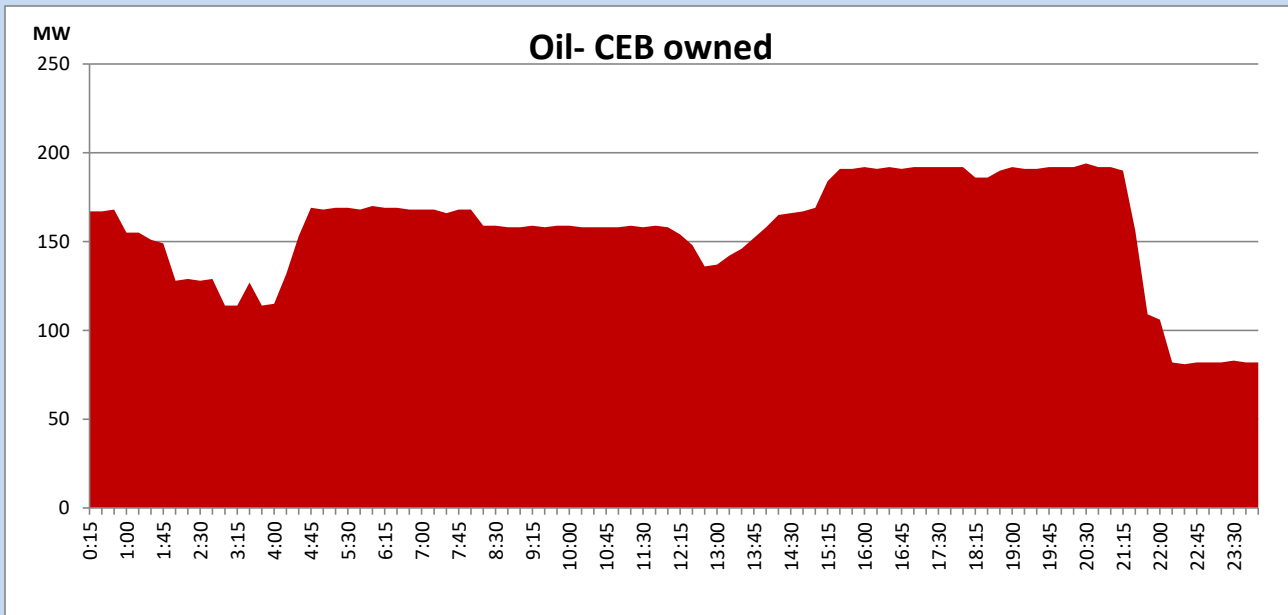
## Coal Generation during

February 20, 2023



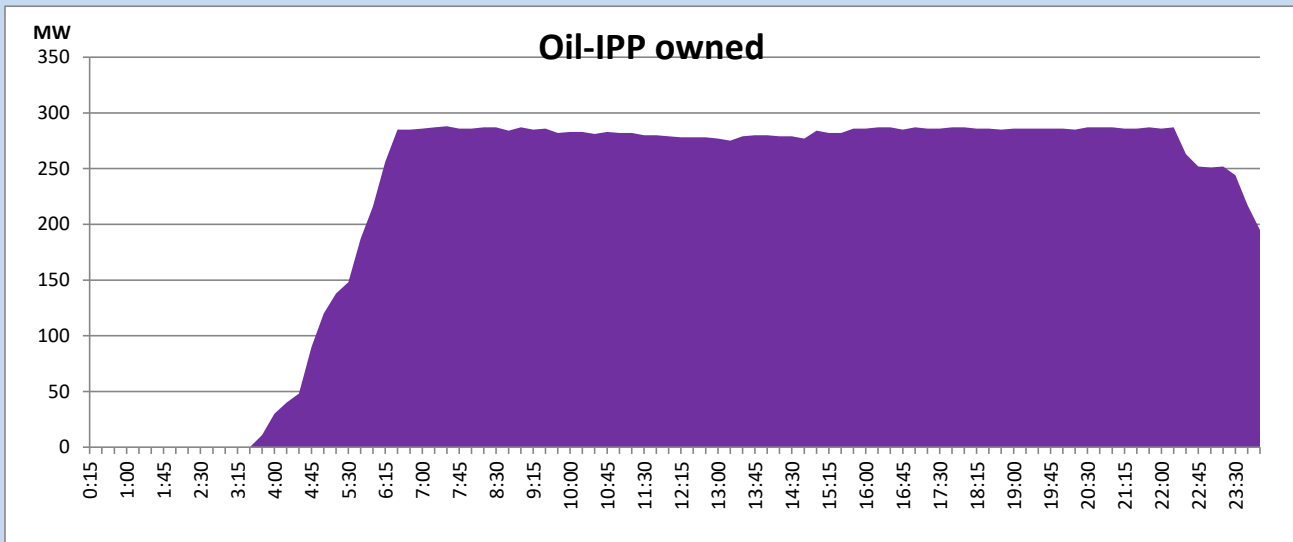
## CEB Oil Plant Generation during

February 20, 2023



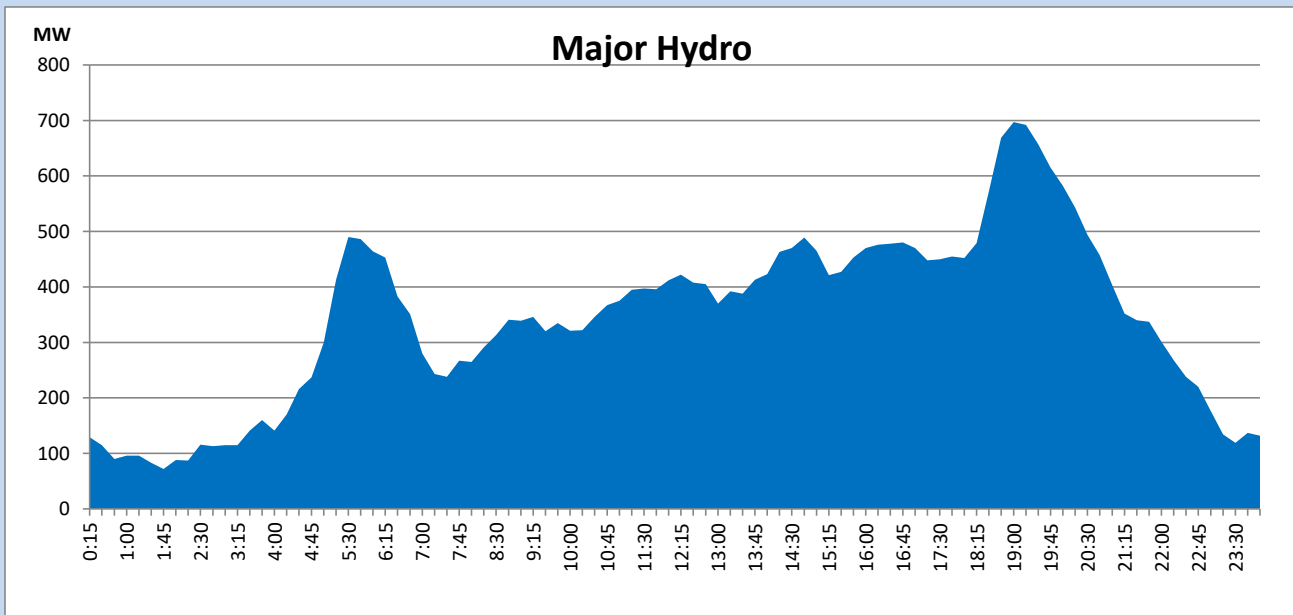
## IPP Oil Plant Generation during

February 20, 2023



## Major Hydro Generation during

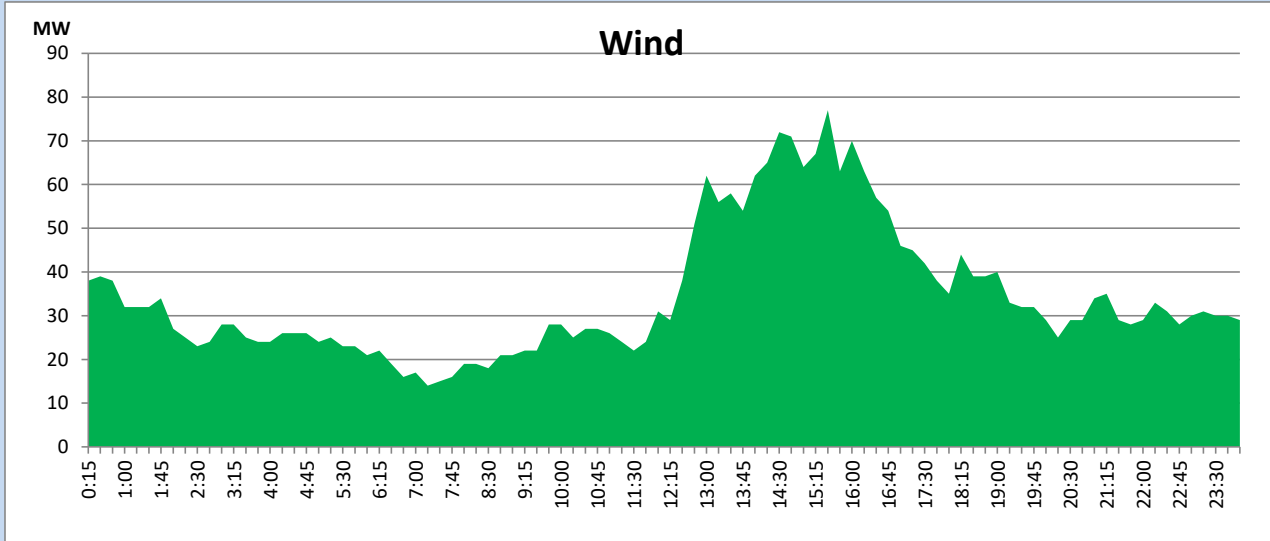
February 20, 2023



## Wind Generation during

February 20, 2023

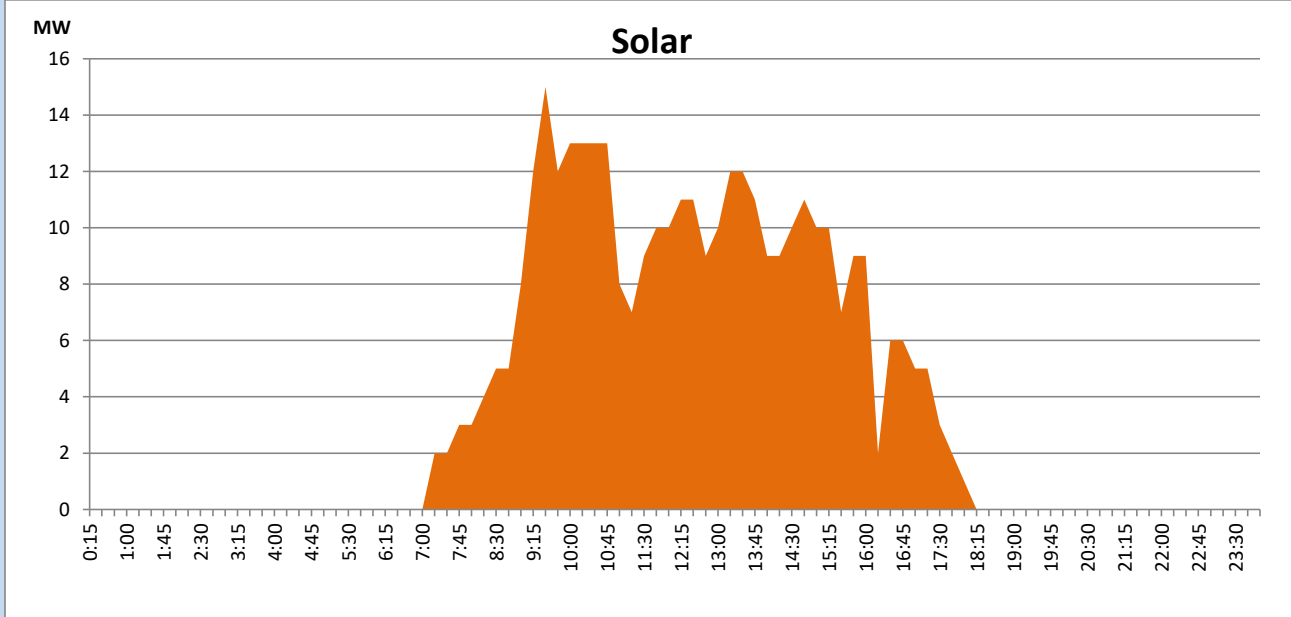
Based on Telemetered Power Stations only



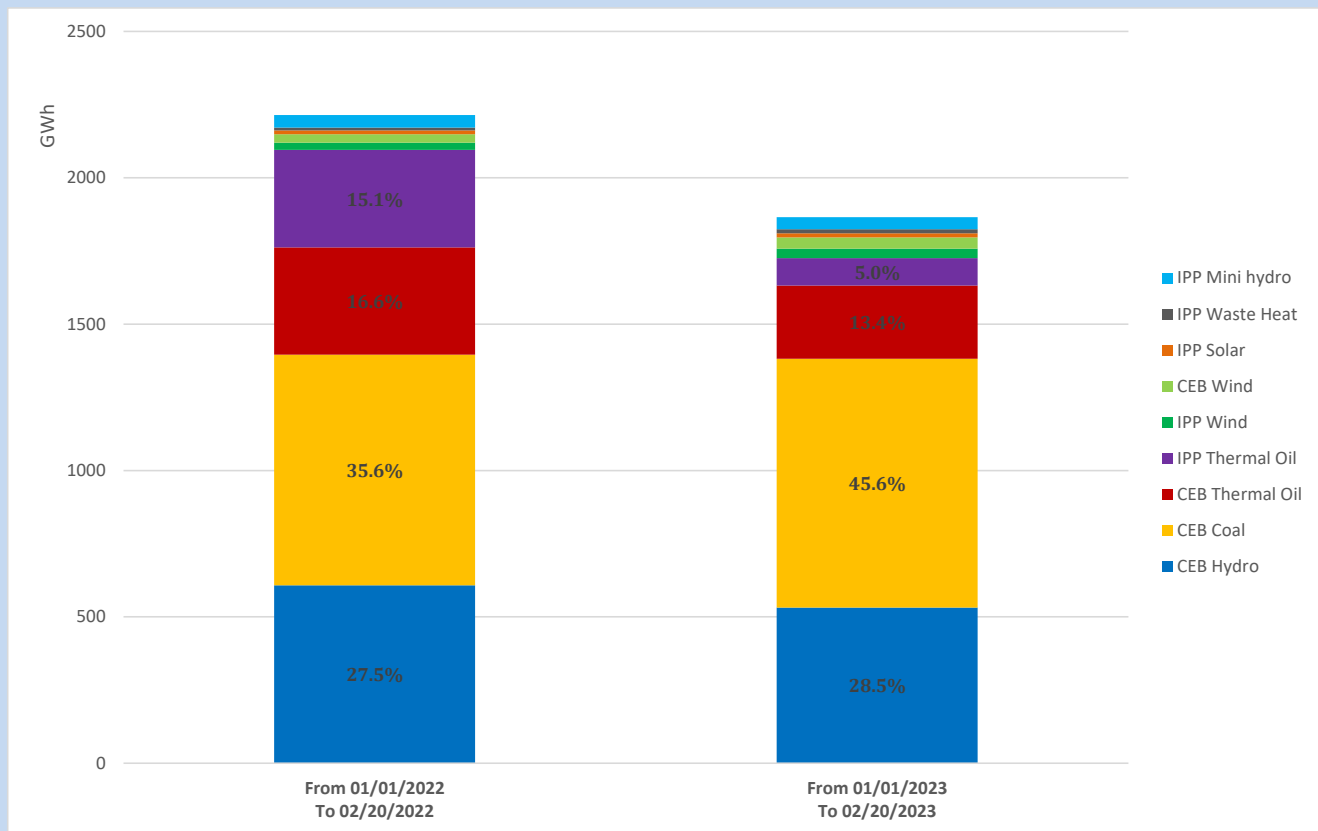
## Solar Generation during

February 20, 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 20, 2023

1.) Nil.