

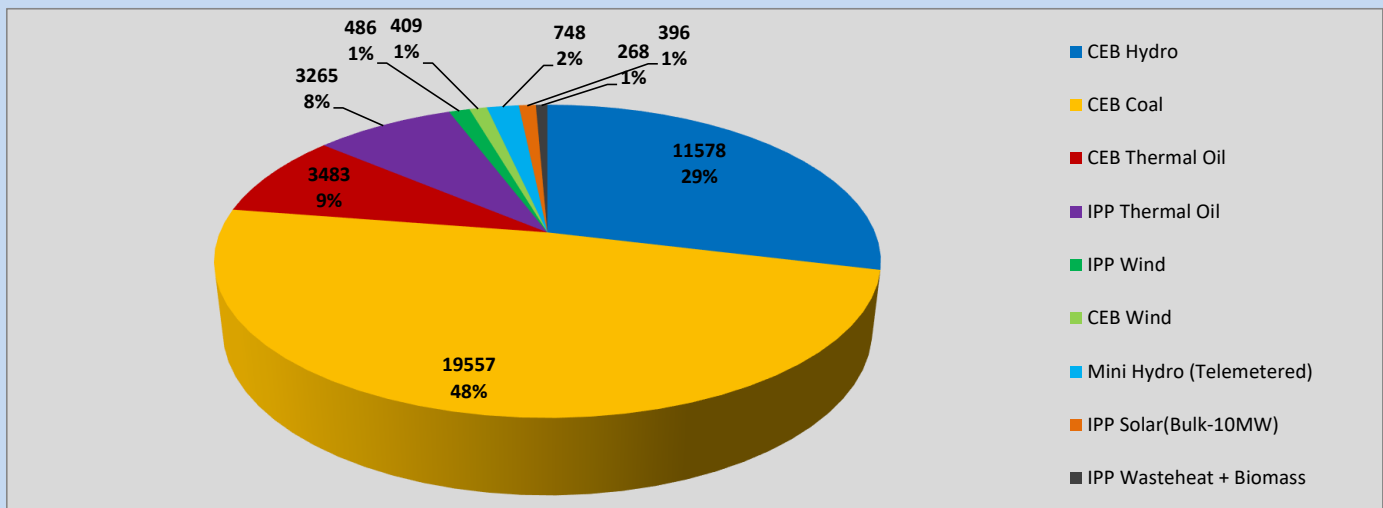
# Generation and Reservoirs Statistics

February 14, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,190 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 2.09 GWh  
 Estimated Mini Hydro (Non telemetered) = 1132 MWh  
 Estimated IPP Solar PV (Bulk 1-10MW) = 304MWh  
 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

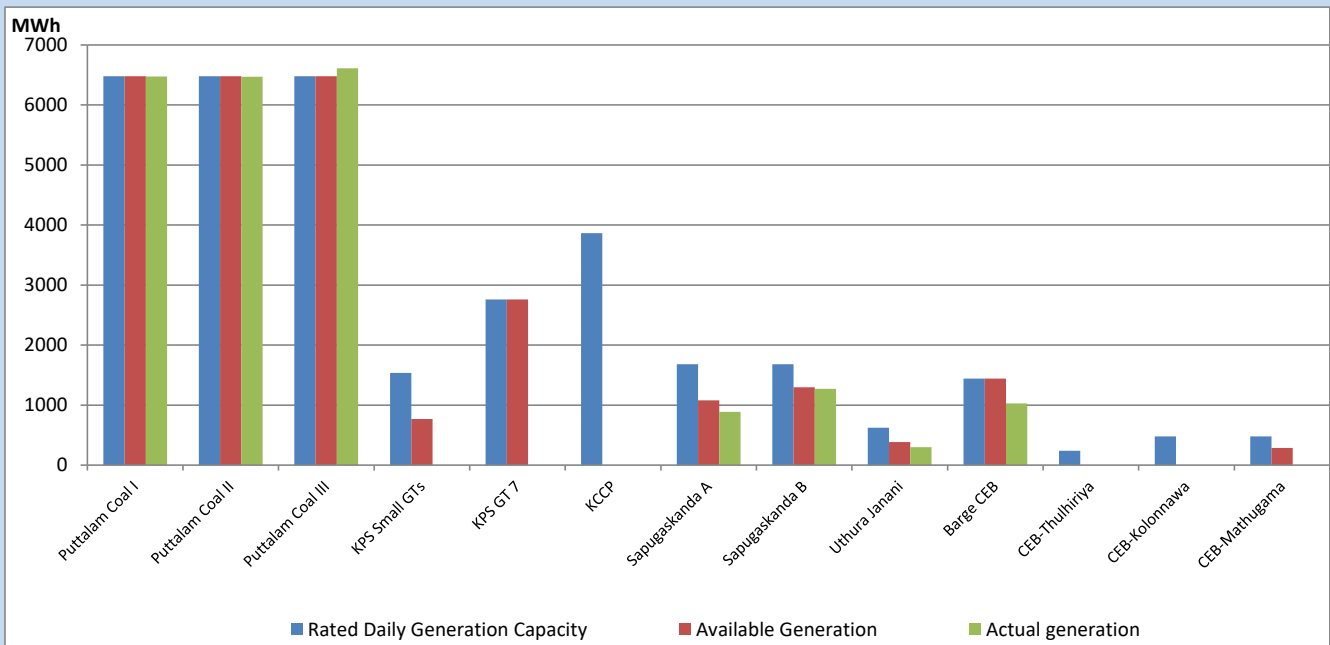
Category	Dispatch (GWh)	Percentage
CEB Hydro	147	28.49%
CEB Coal	266	51.45%
CEB Thermal Oil	55	10.63%
IPP Thermal	13	2.58%
SPP Wind	8	1.51%
CEB Wind	10	1.91%
Mini Hydro (Telemetered)	9	1.80%
IPP Solar(Bulk-10MW)	4	0.75%
IPP Wasteheat + BMP	5	0.88%
<b>Total</b>	<b>518</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	477	29.25%
CEB Coal	733	44.92%
CEB Thermal Oil	228	13.95%
IPP Thermal	69	4.24%
SPP Wind	29	1.77%
CEB Wind	35	2.15%
Mini Hydro (Telemetered)	36	2.24%
IPP Solar(Bulk-10MW)	12	0.75%
IPP Wasteheat	12	0.74%
<b>Total</b>	<b>1,632</b>	

## CEB owned Thermal Plant Dispatch

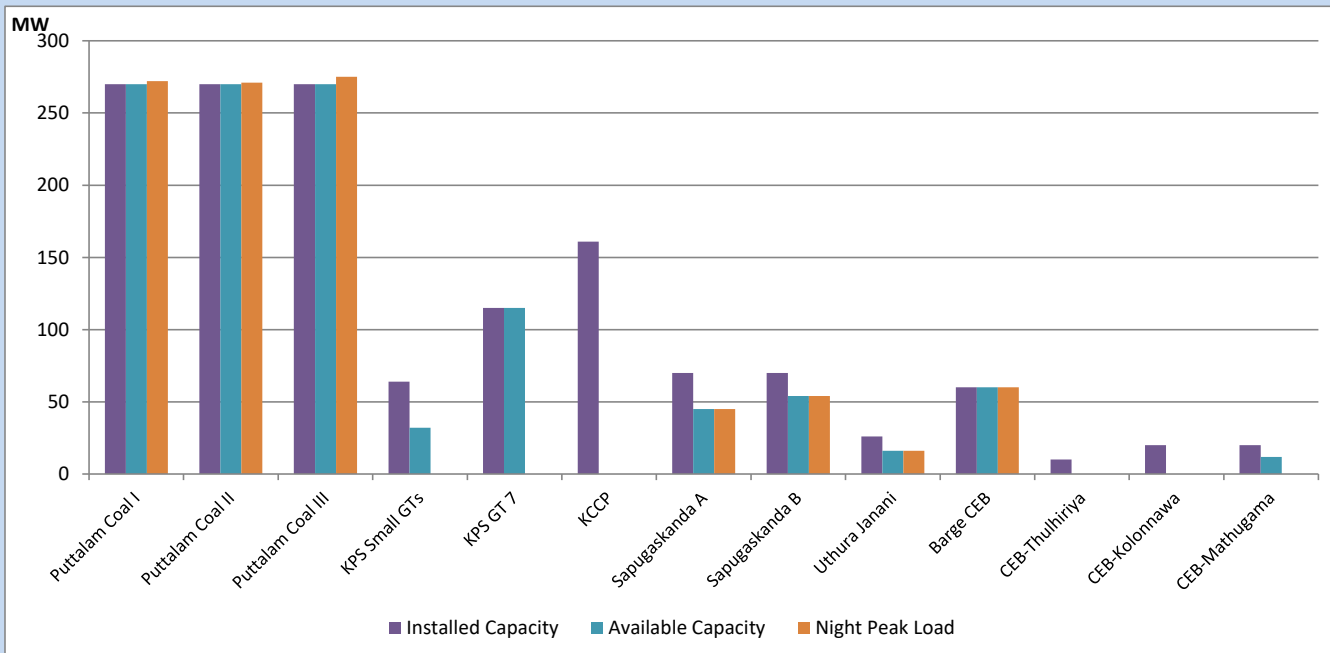
February 14, 2023



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

February 15, 2023

## CEB owned Thermal Plant Loading at the Night Peak

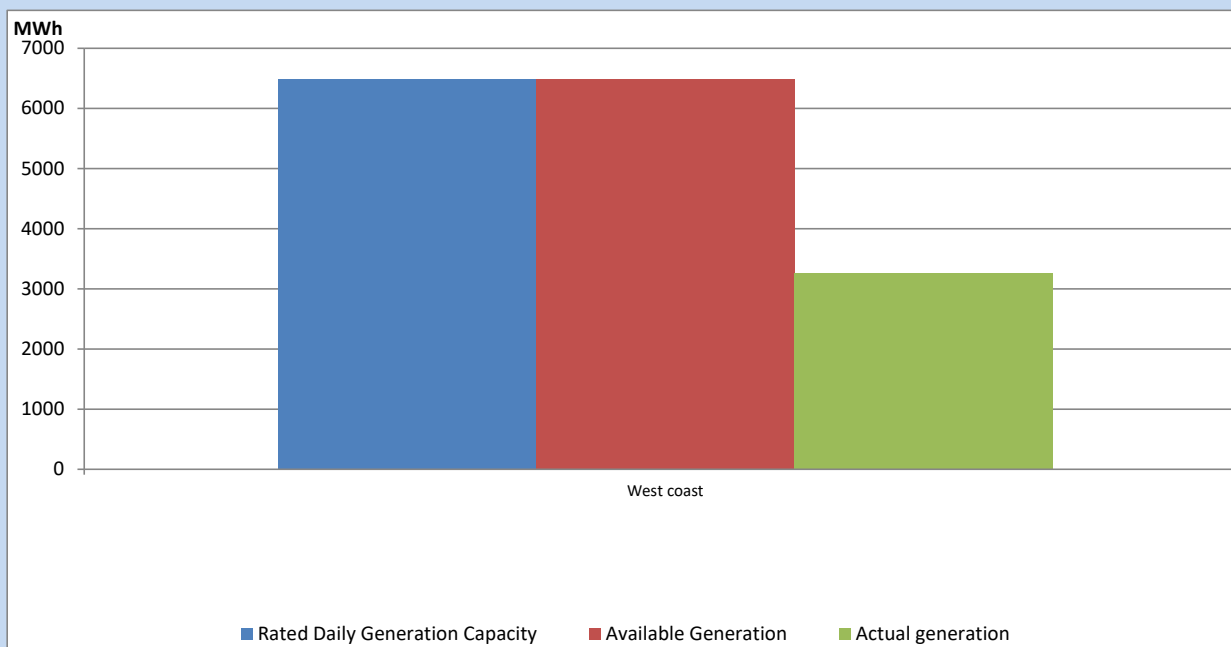


Note- Plant availability is recorded at 6.00 am on

February 15, 2023

## IPP owned Thermal Plant Dispatch

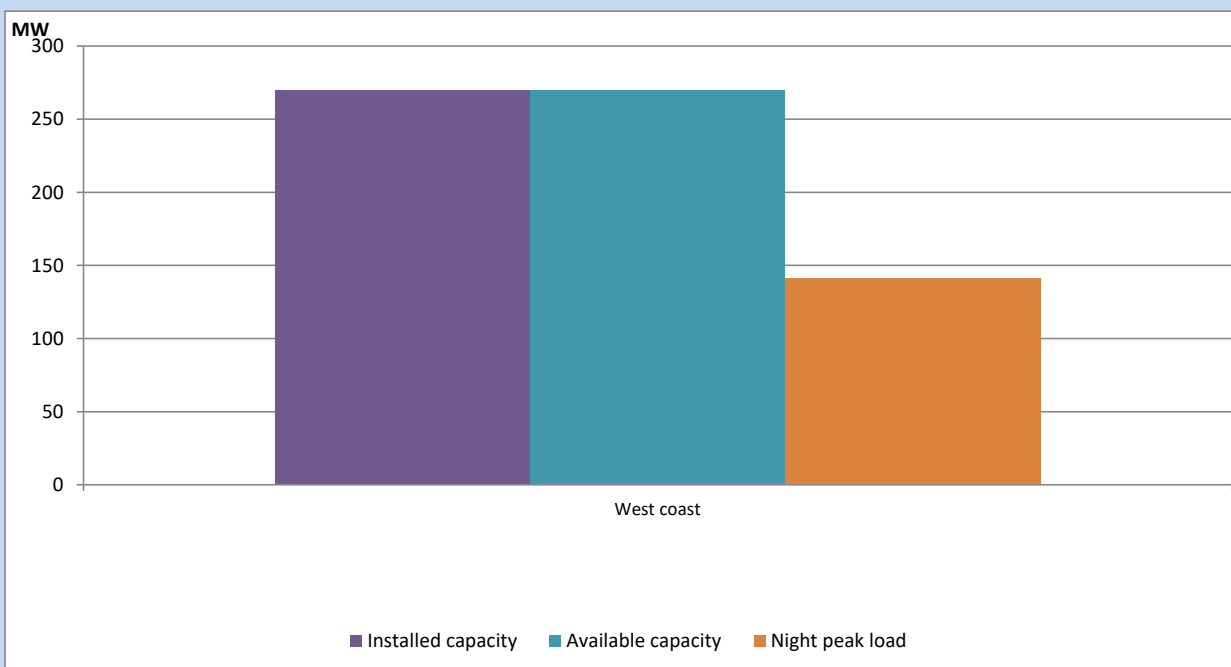
February 14, 2023



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

February 15, 2023

## IPP owned Thermal Plant Loading at the Night Peak

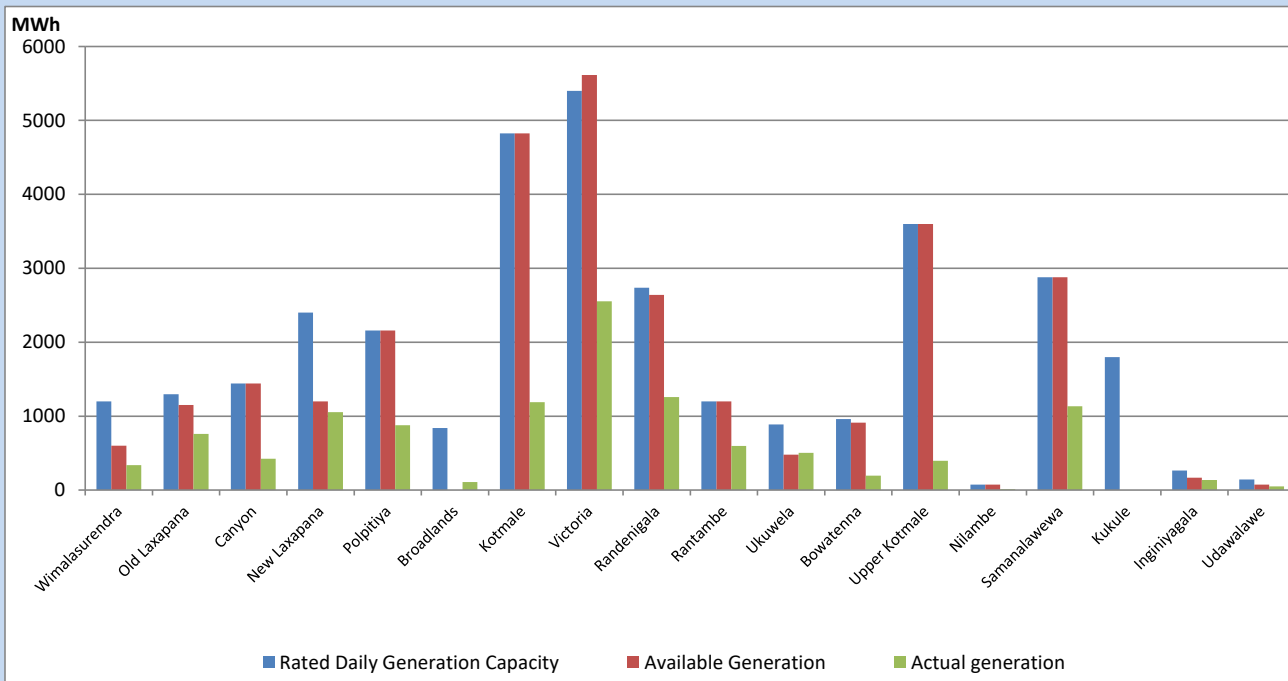


Note- Plant availability is recorded at 6.00 am on

February 15, 2023

## Major Hydro Plant Dispatch

February 14, 2023

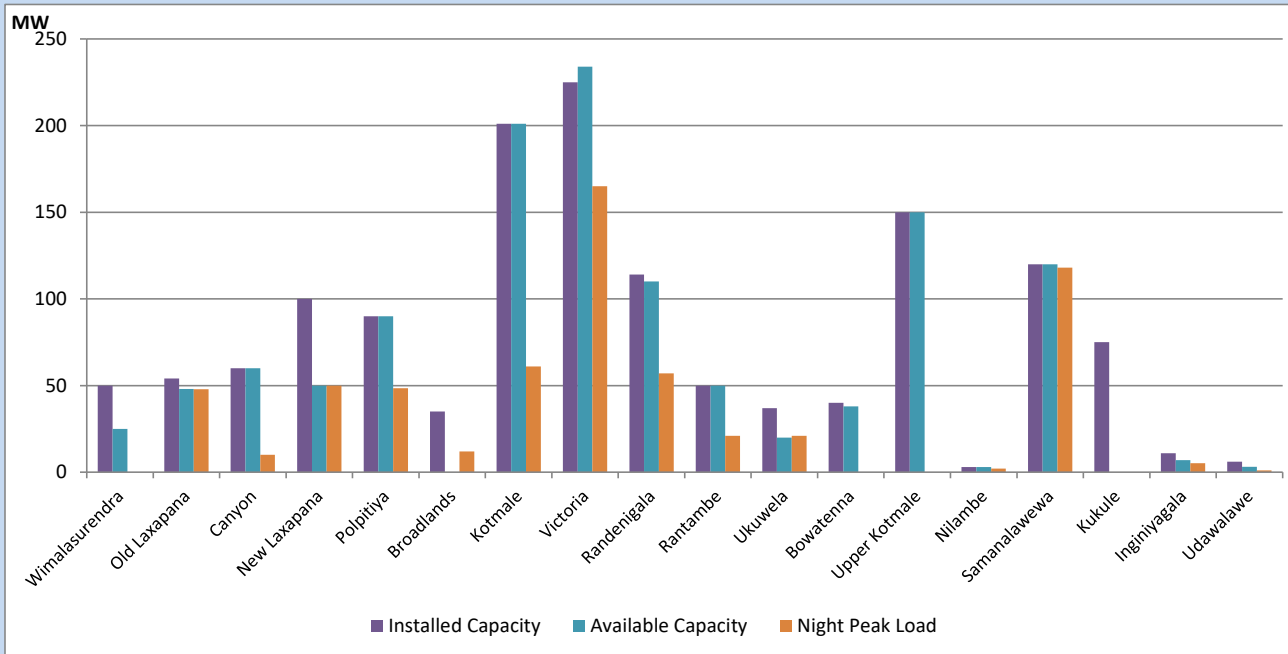


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 15, 2023

## Major Hydro Plant Loading at Night Peak

February 14, 2023



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

February 15, 2023

## Summary of Major Plant performance

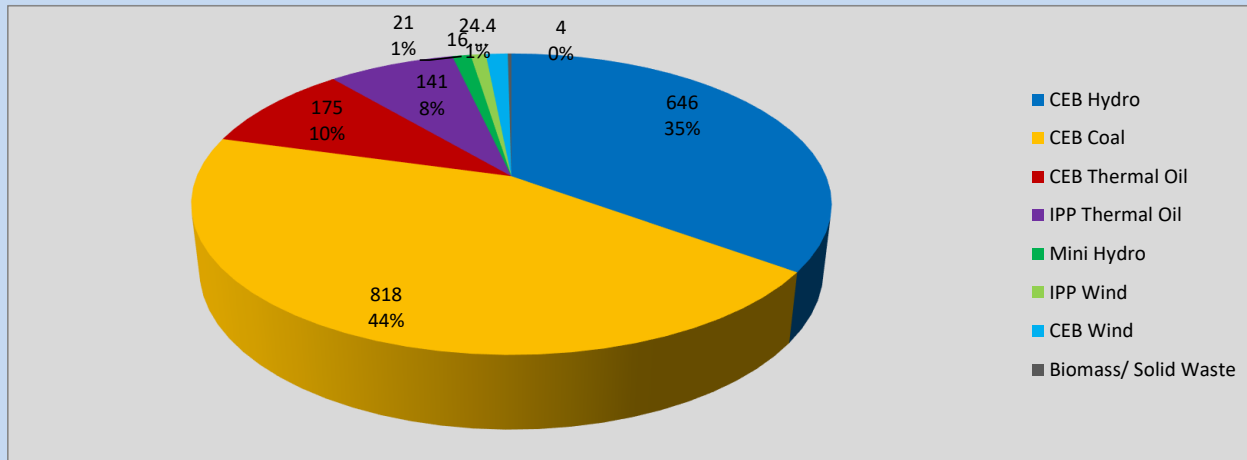
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	0	338
Old Laxapana	54	48	48	758
Canyon	60	60	10	424
New Laxapana	100	50	50	1,053
Polpitiya	90	90	48	876
Broadlands	35	0	12	110
Kotmale	201	201	61	1,190
Victoria	225	234	165	2,553
Randenigala	114	110	57	1,258
Rantambe	50	50	21	596
Ukuwela	37	20	21	503
Bowatenna	40	38	0	196
Upper Kotmale	150	150	0	395
Nilambe	3	3	2	10
Samanalawewa	120	120	118	1,135
Kukule	75	0	0	0
Inginiyagala	11	7	5	135
Udawalawe	6	3	1	48
Puttalam Coal I	270	270	272	6,475
Puttalam Coal II	270	270	271	6,470
Puttalam Coal III	270	270	275	6,612
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	45	887
Sapugaskanda B	70	54	54	1,270
Uthura Janani	26	16	16	297
Barge CEB	60	60	60	1,029
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	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	141	3,265
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,623</b>	<b>1,819</b>	<b>40,190</b>

Plant availability is the availability recorded at 6 am on

February 15, 2023

## Contribution to the Night Peak in MW

February 14, 2023

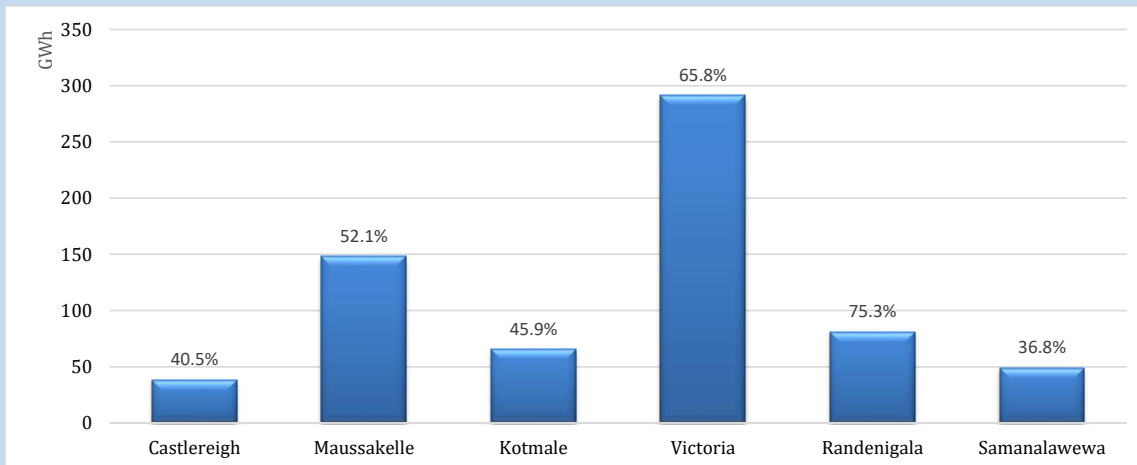


Night Peak*	1,846 MW
Day Peak	1,969 MW
Minimum Demand	1,249 MW

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

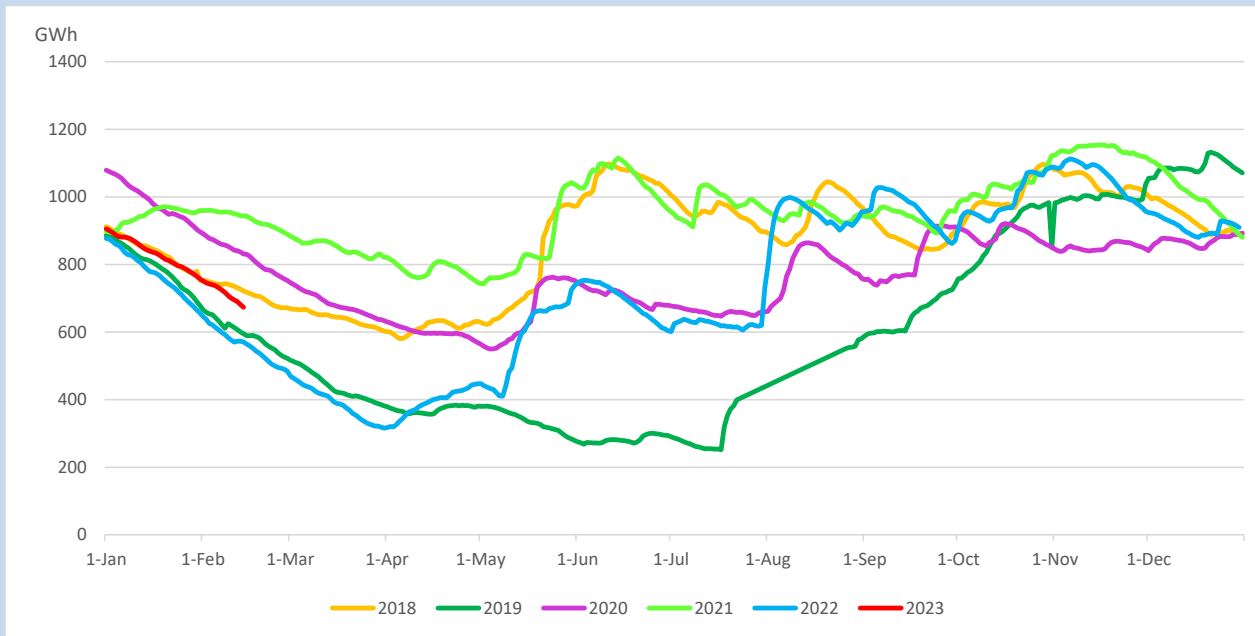
## Reservoir Levels -

as at 06.00 Hr on February 15, 2023

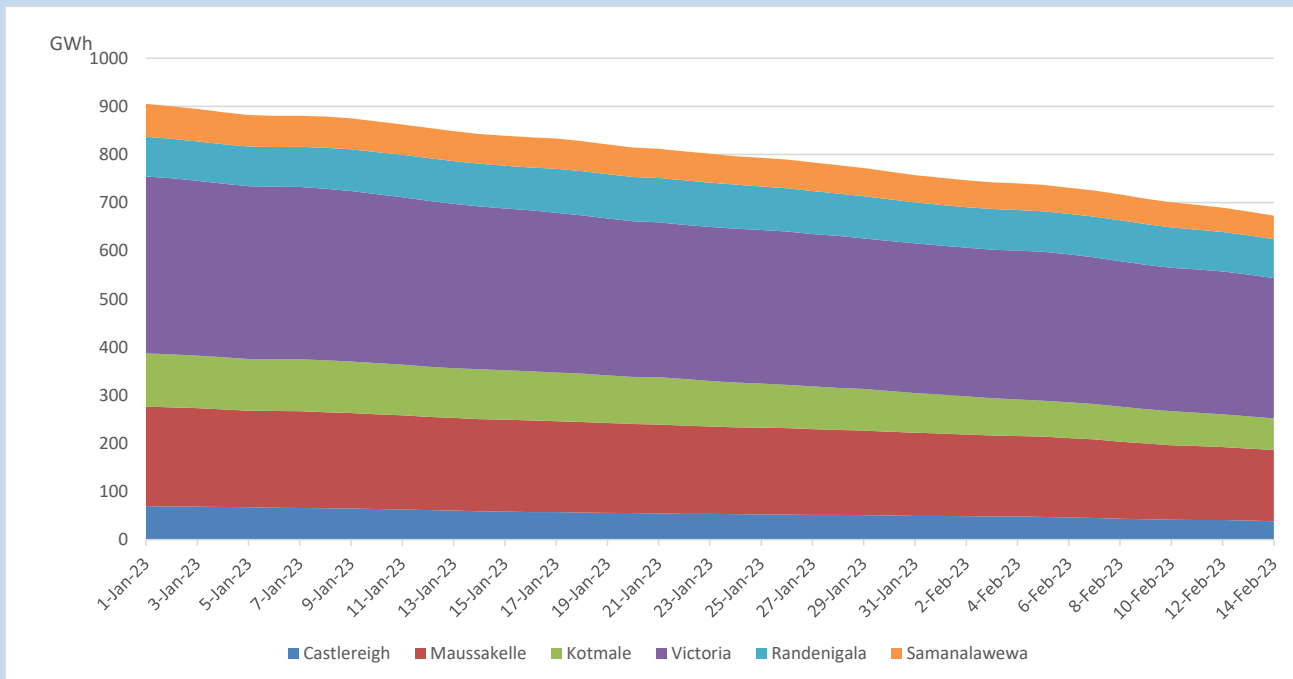


Total Reservoir Level	673.2 GWh
% of Total capacity	55.9%

## Comparison of Total Reservoir Storage Levels with Past Years

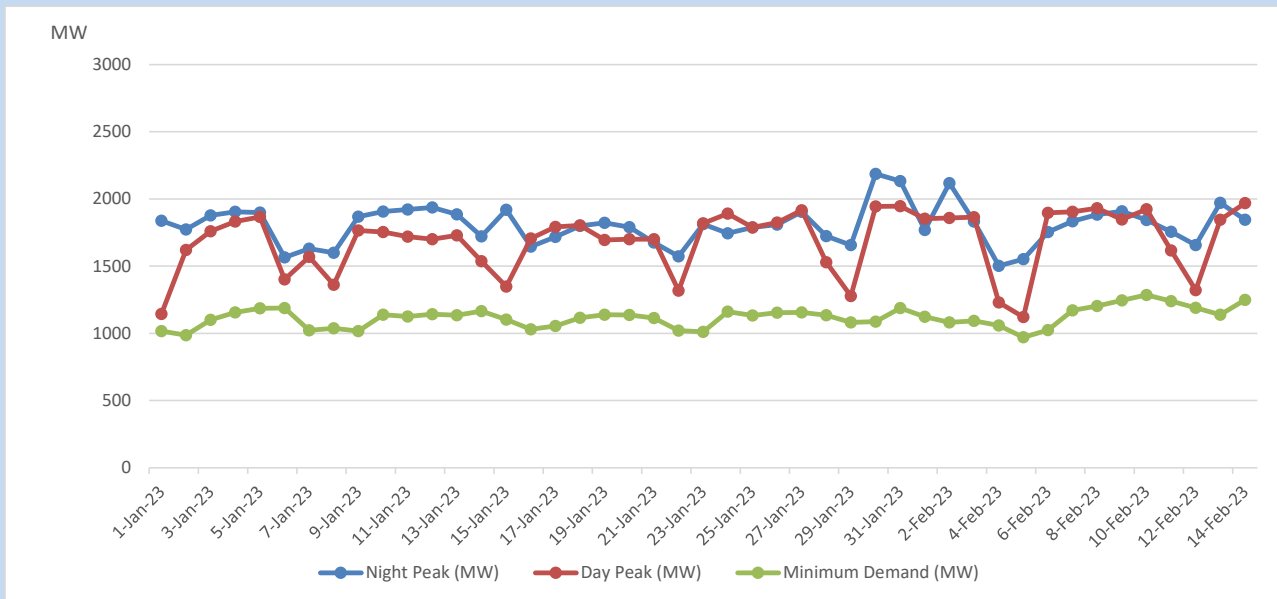


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

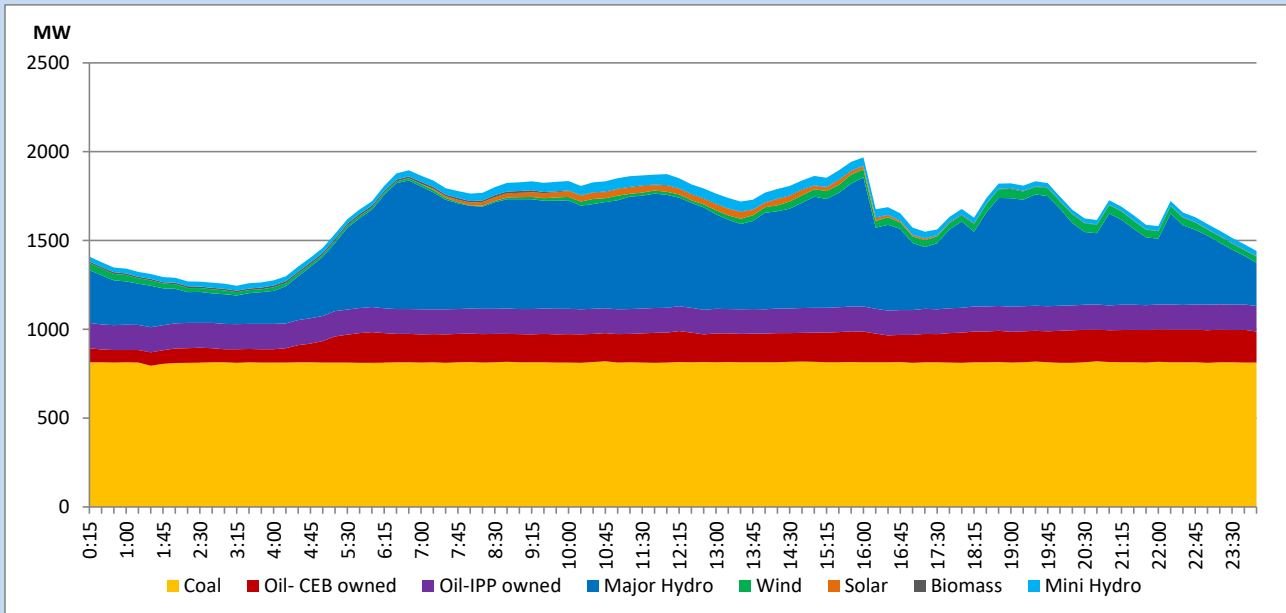


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

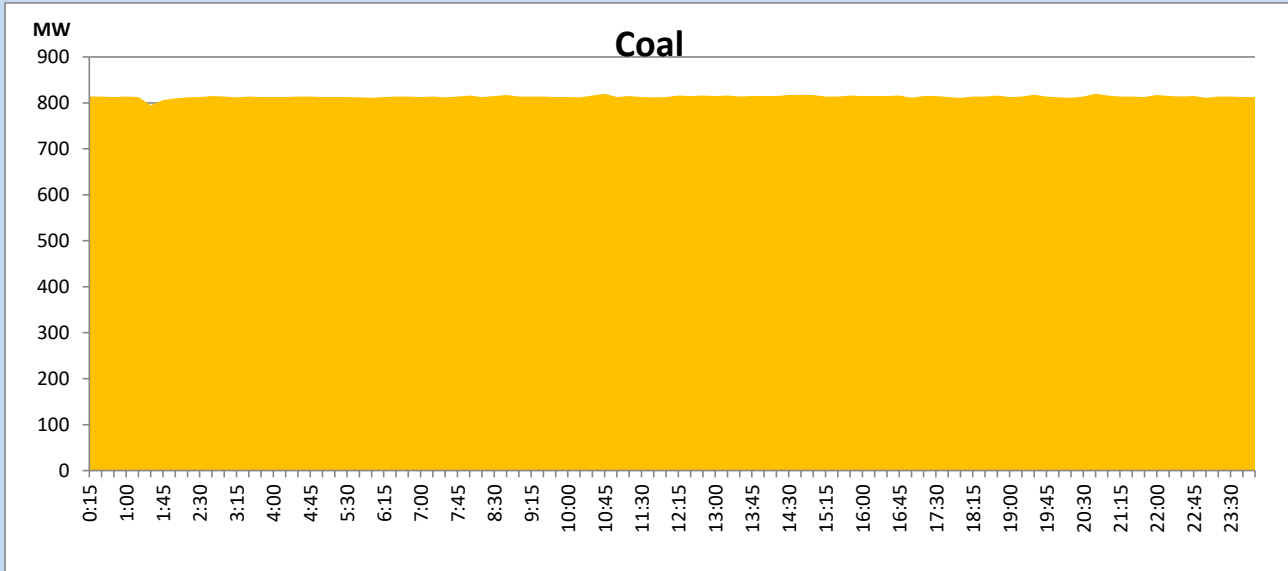
February 14, 2023

Solar and wind data is based on Telemetered Power Stations only



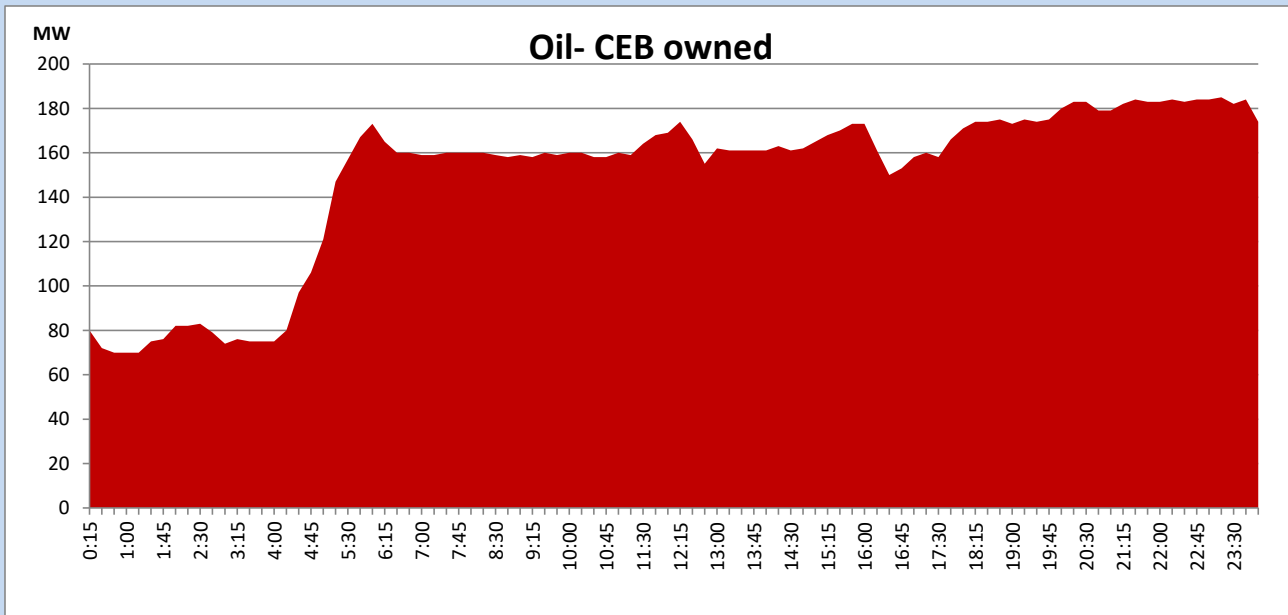
## Coal Generation during

February 14, 2023



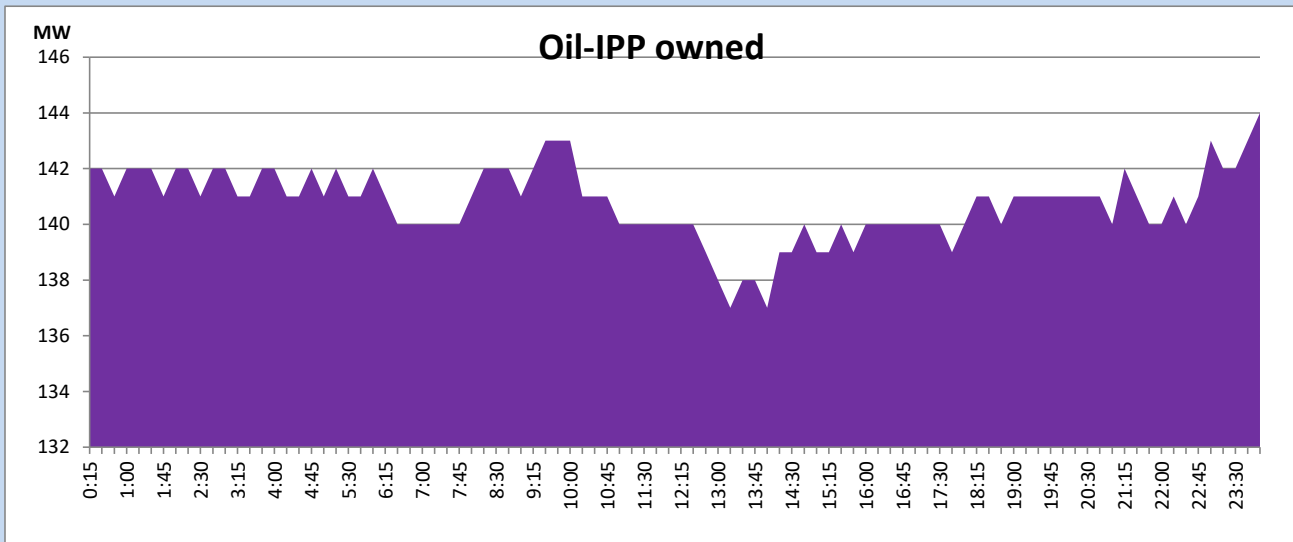
## CEB Oil Plant Generation during

February 14, 2023



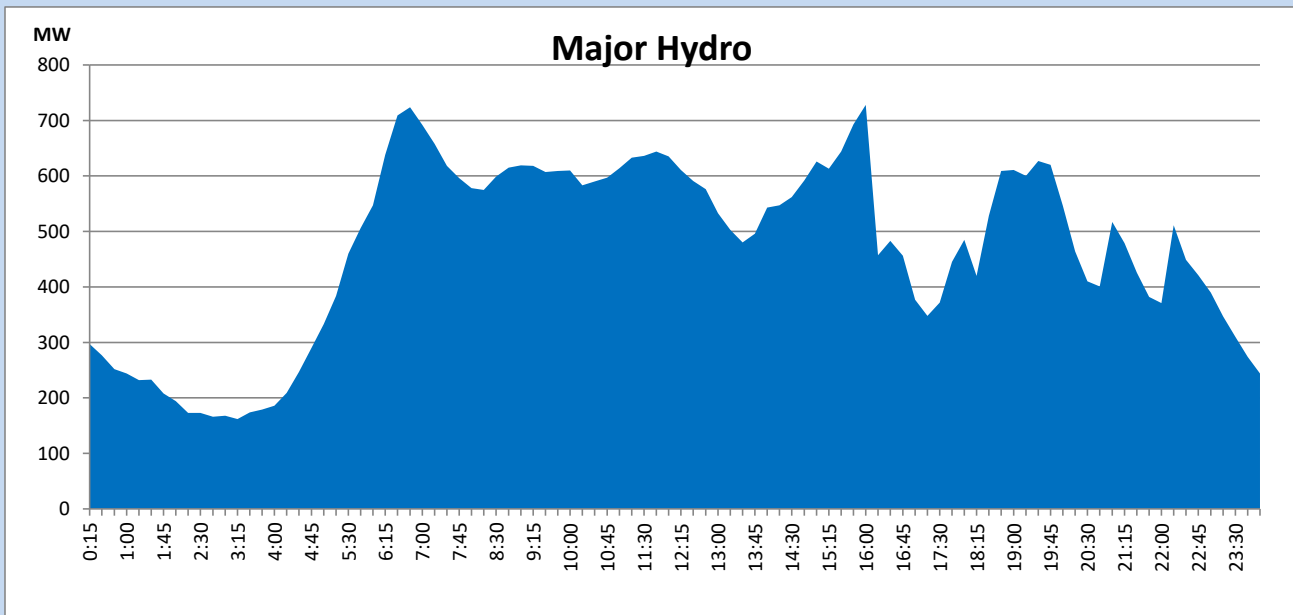
## IPP Oil Plant Generation during

February 14, 2023



## Major Hydro Generation during

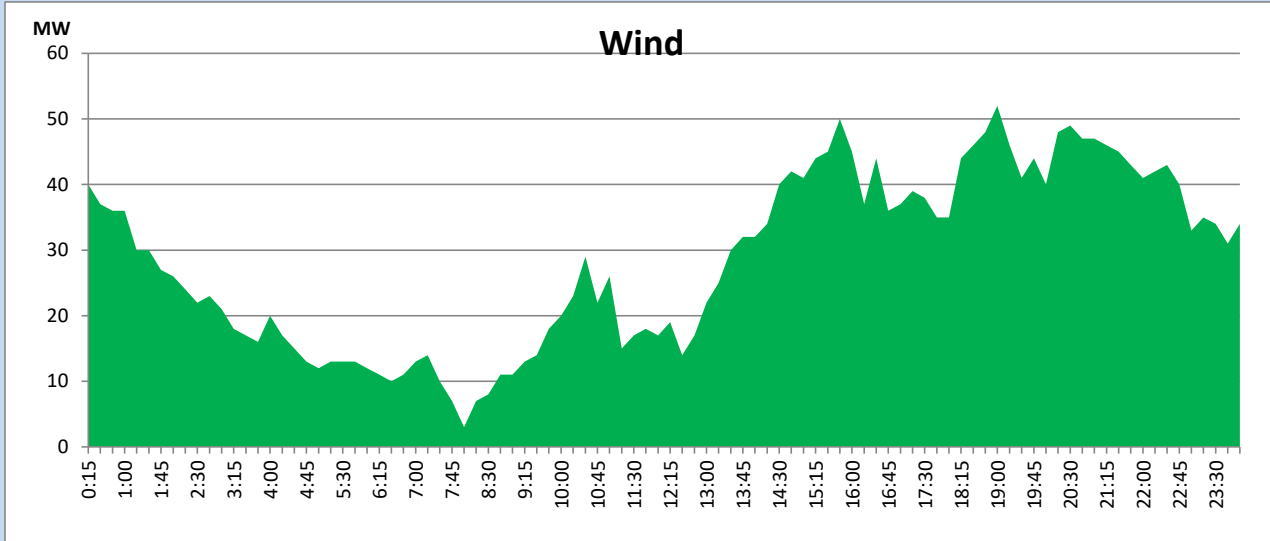
February 14, 2023



## Wind Generation during

February 14, 2023

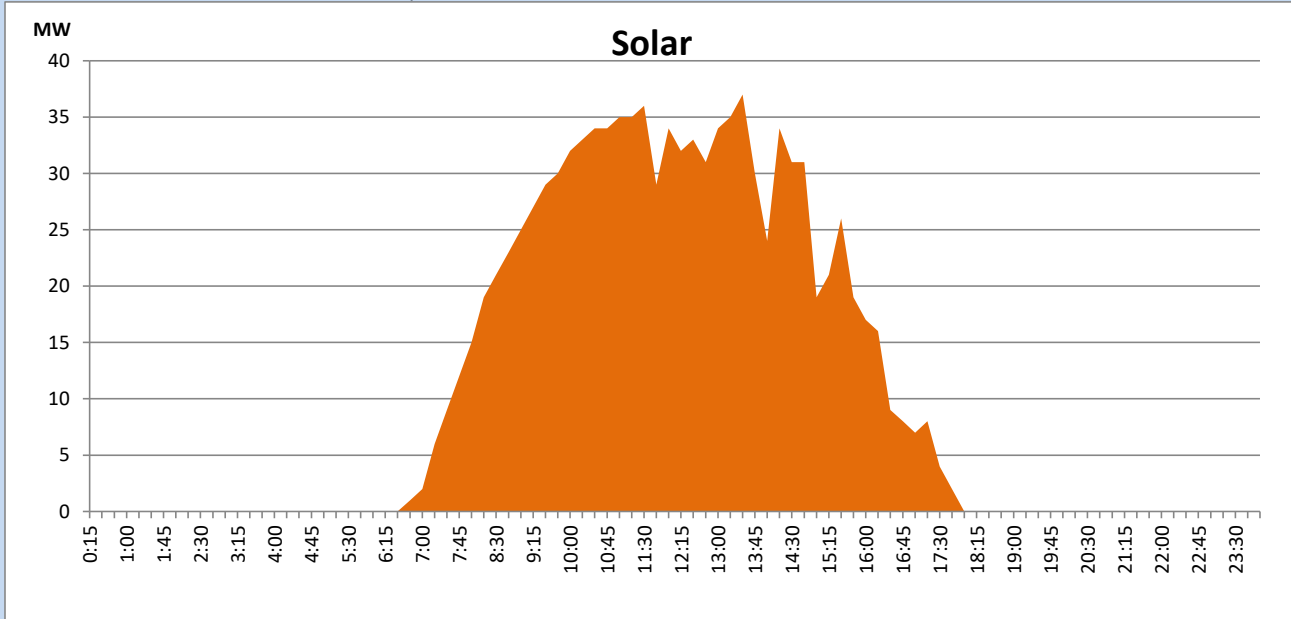
Based on Telemetered Power Stations only



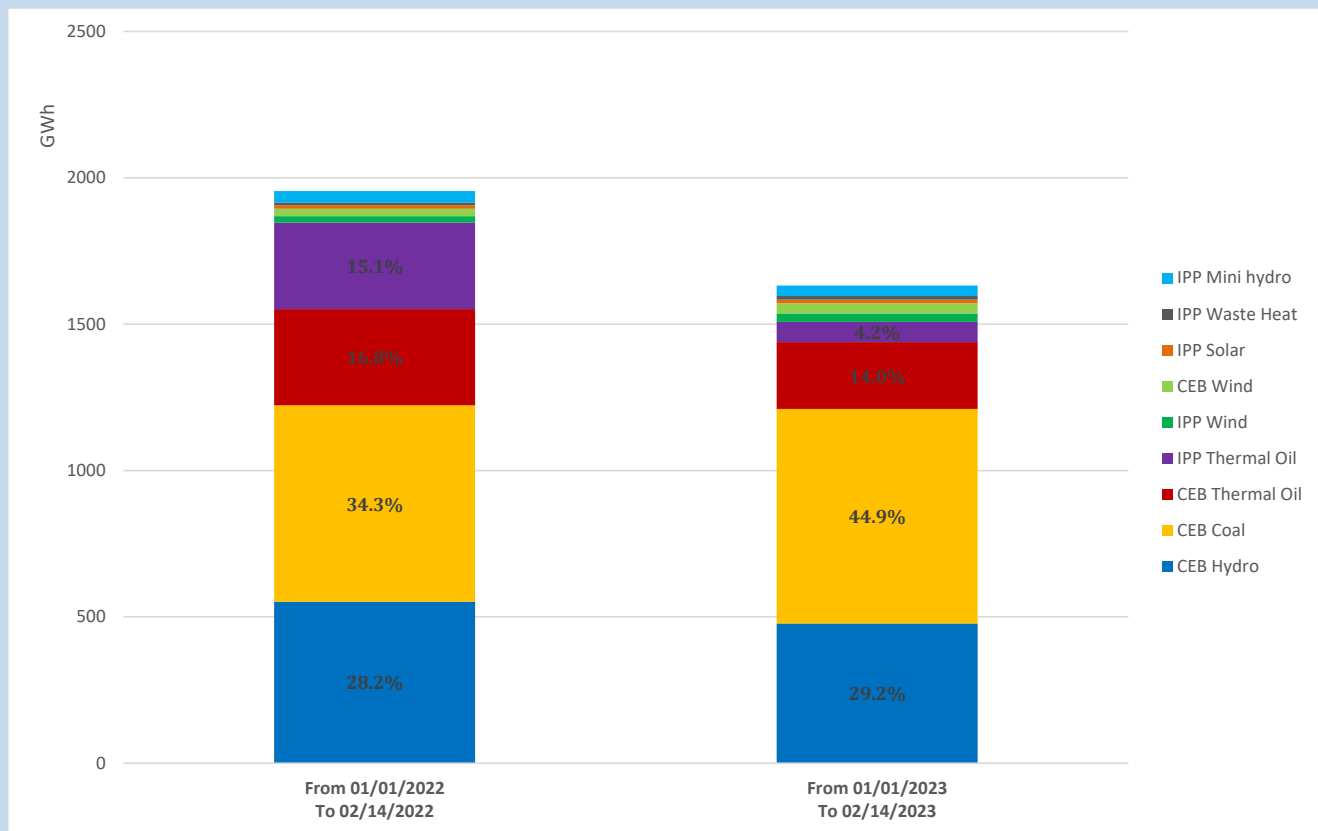
## Solar Generation during

February 14, 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 14, 2023

- 1) Rotational manual load shedding was carried out from 16:00hrs to 22:00hrs.