

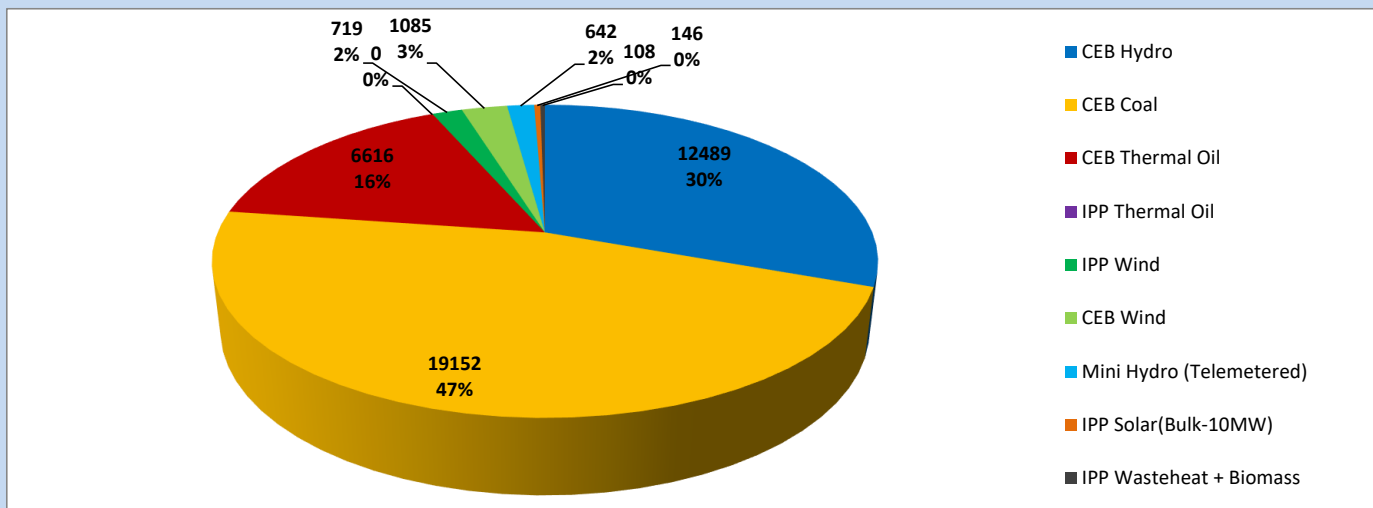
# Generation and Reservoirs Statistics

January 31, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

40,957 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.0 GWh

Estimated Mini Hydro (Non telemetered) = 1878 MWh

Estimated IPP Solar PV (Bulk 1-10MW) = 304MWh

Estimated Solar Roof Top PV = 1480 MWh

## Cumulative Dispatch

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

### For Current Month

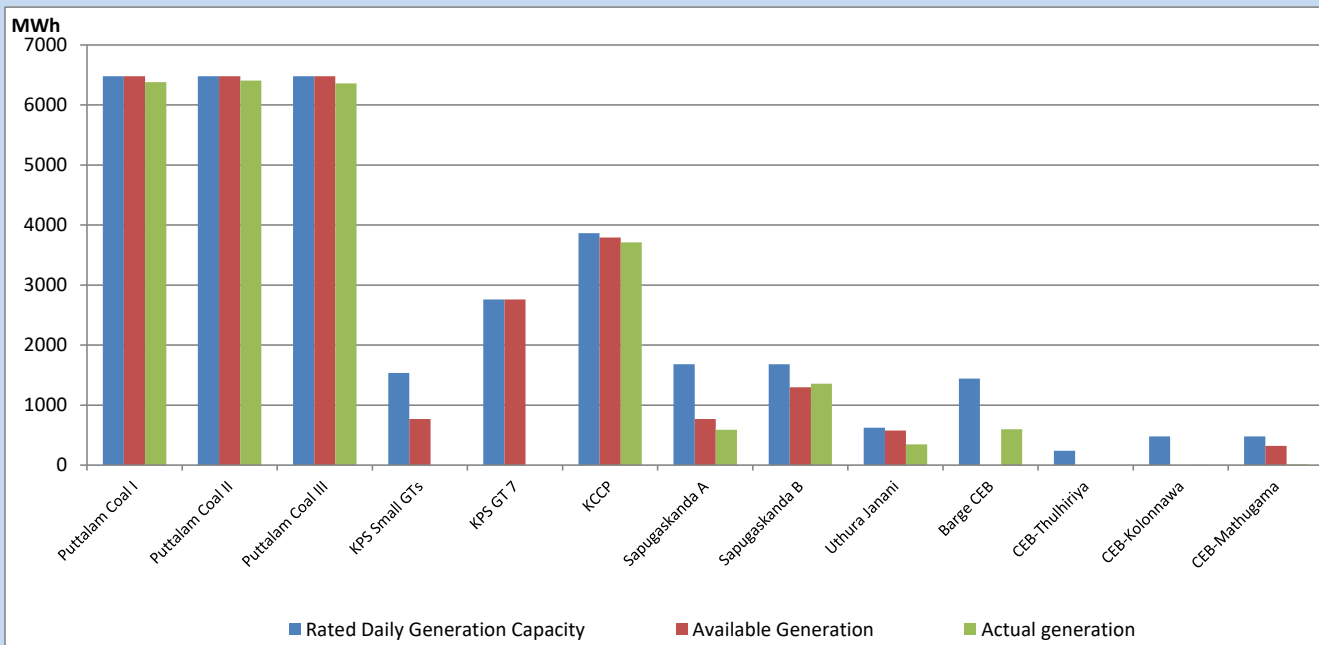
Category	Dispatch (GWh)	Percentage
CEB Hydro	330	29.60%
CEB Coal	467	41.89%
CEB Thermal Oil	173	15.50%
IPP Thermal	56	5.01%
SPP Wind	21	1.89%
CEB Wind	25	2.26%
Mini Hydro (Telemetered)	27	2.43%
IPP Solar (Bulk-10MW)	8	0.75%
IPP Wasteheat + BMP	8	0.68%
<b>Total</b>	<b>1,115</b>	

### For Current Year

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<b>Total</b>	<b>1,115</b>	

## CEB owned Thermal Plant Dispatch

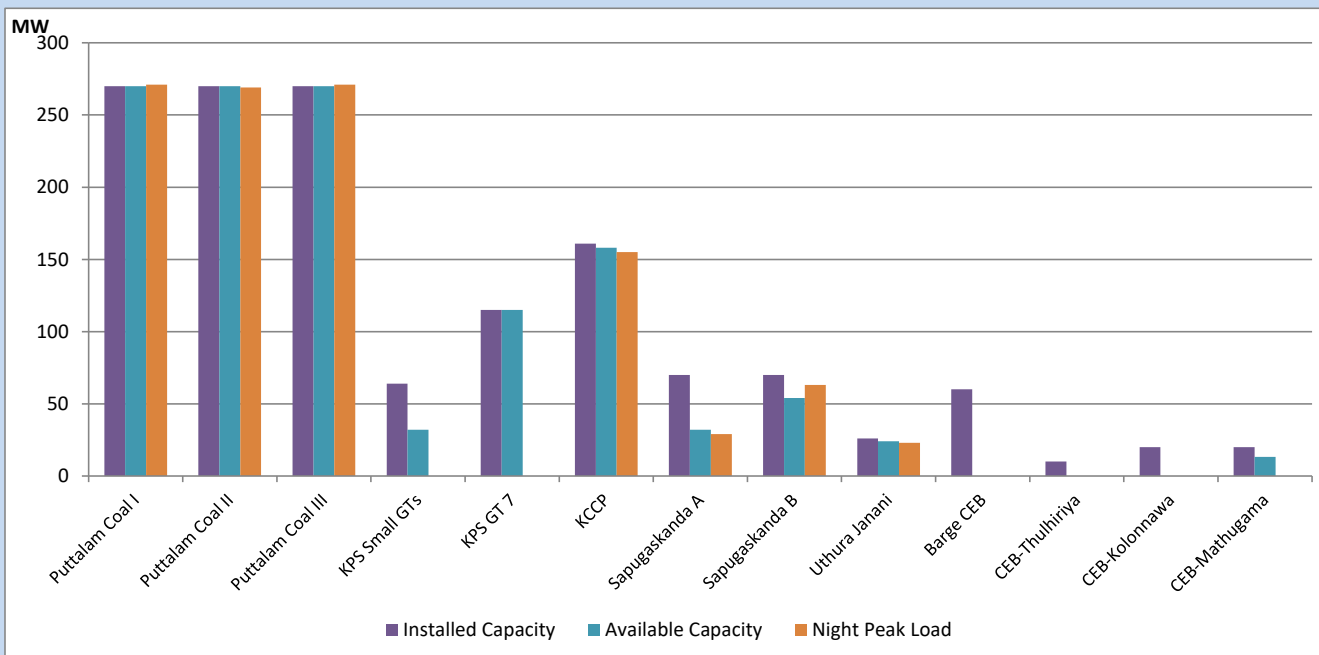
January 31, 2023



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

February 1, 2023

## CEB owned Thermal Plant Loading at the Night Peak

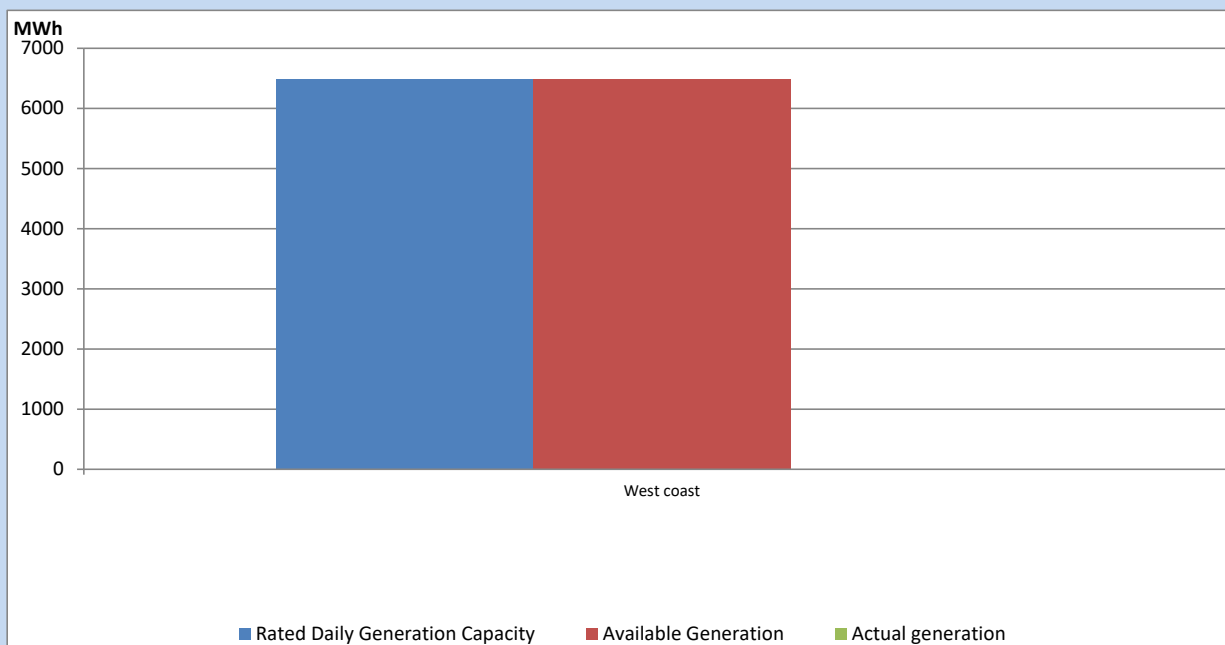


Note- Plant availability is recorded at 6.00 am on

February 1, 2023

## IPP owned Thermal Plant Dispatch

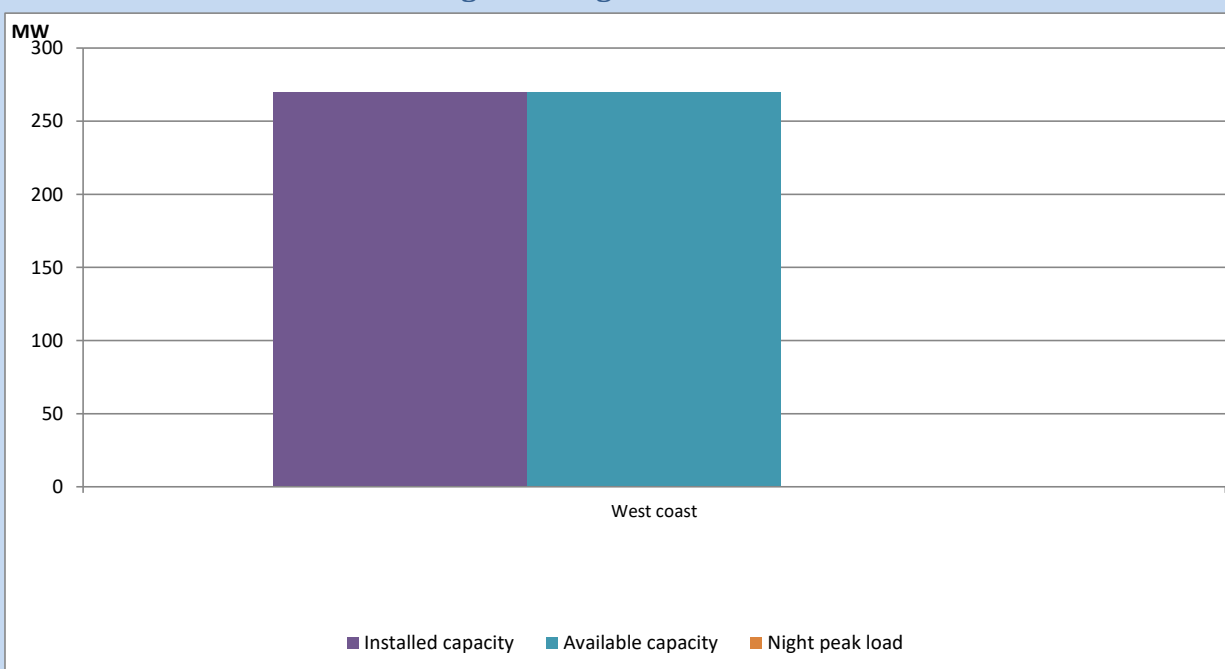
January 31, 2023



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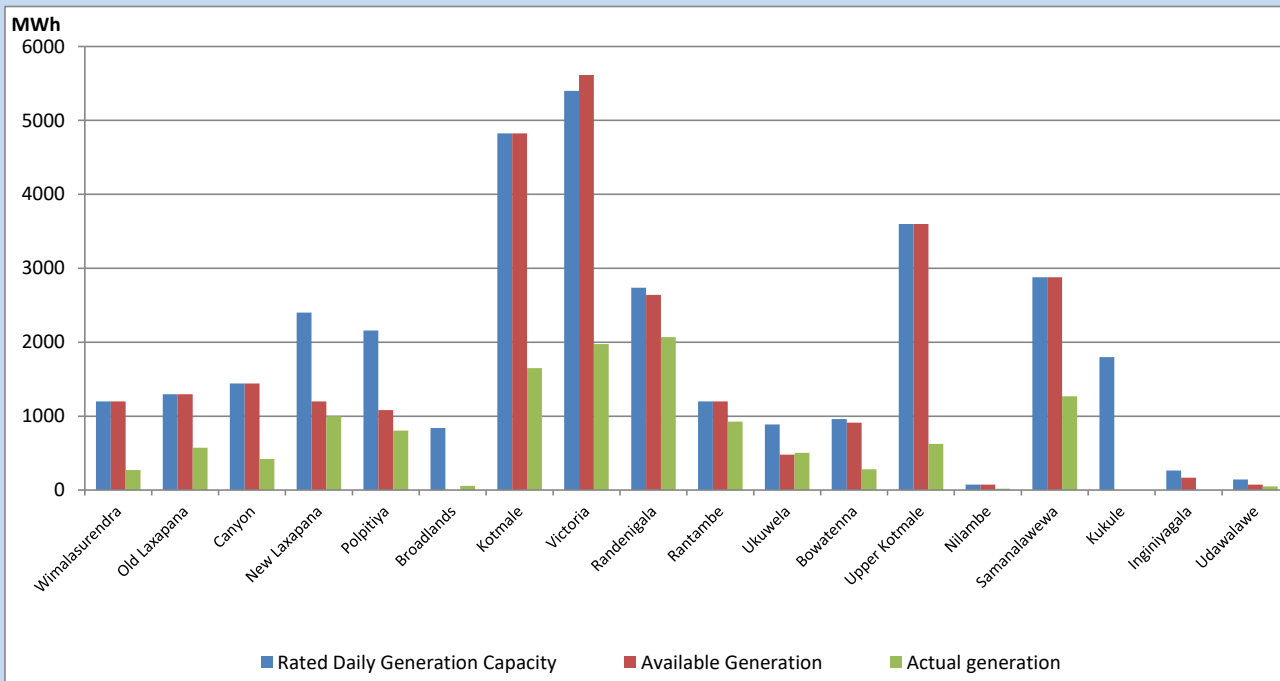


Note- Plant availability is recorded at 6.00 am on

February 1, 2023

## Major Hydro Plant Dispatch

January 31, 2023

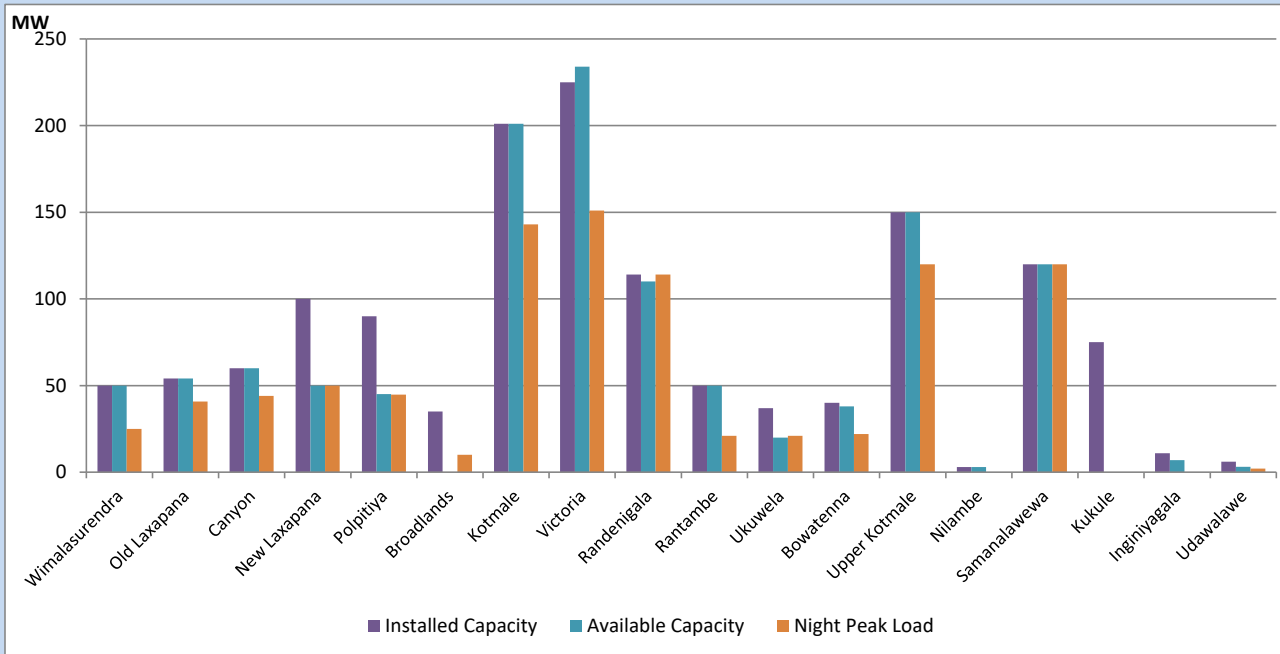


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 1, 2023

## Major Hydro Plant Loading at Night Peak

January 31, 2023



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

February 1, 2023

## Summary of Major Plant performance

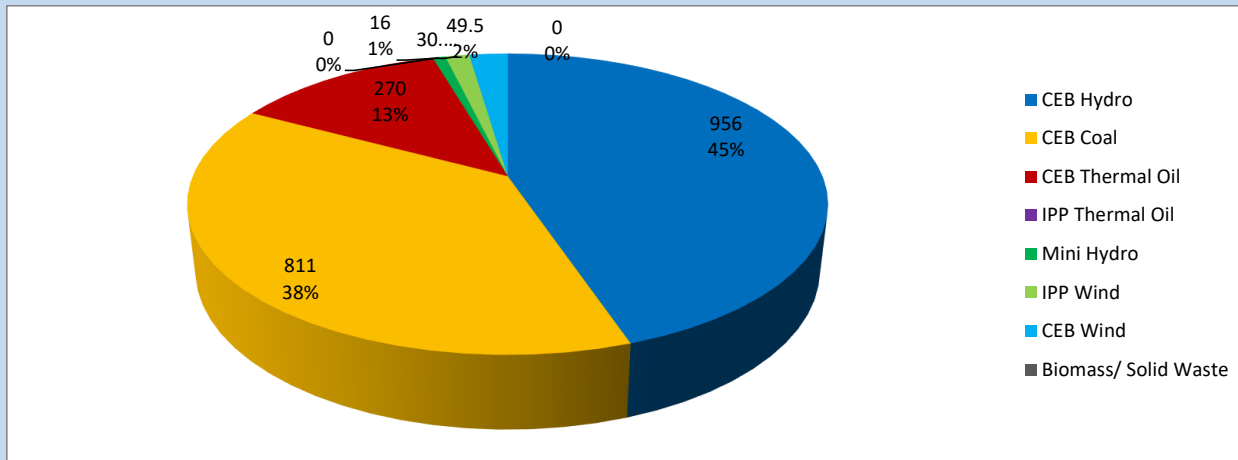
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	270
Old Laxapana	54	54	41	574
Canyon	60	60	44	420
New Laxapana	100	50	50	1,000
Polpitiya	90	45	45	805
Broadlands	35	0	10	57
Kotmale	201	201	143	1,650
Victoria	225	234	151	1,975
Randenigala	114	110	114	2,067
Rantambe	50	50	21	924
Ukuwela	37	20	21	503
Bowatenna	40	38	22	282
Upper Kotmale	150	150	120	626
Nilambe	3	3	0	18
Samanalawewa	120	120	120	1,268
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	2	50
Puttalam Coal I	270	270	271	6,383
Puttalam Coal II	270	270	269	6,407
Puttalam Coal III	270	270	271	6,362
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	155	3,713
Sapugaskanda A	70	32	29	587
Sapugaskanda B	70	54	63	1,355
Uthura Janani	26	24	23	348
Barge CEB	60	0	0	599
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	1
CEB-Mathugama	20	13	0	13
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,703</b>	<b>2,106</b>	<b>40,957</b>

Plant availability is the availability recorded at 6 am on

February 1, 2023

## Contribution to the Night Peak in MW

January 31, 2023

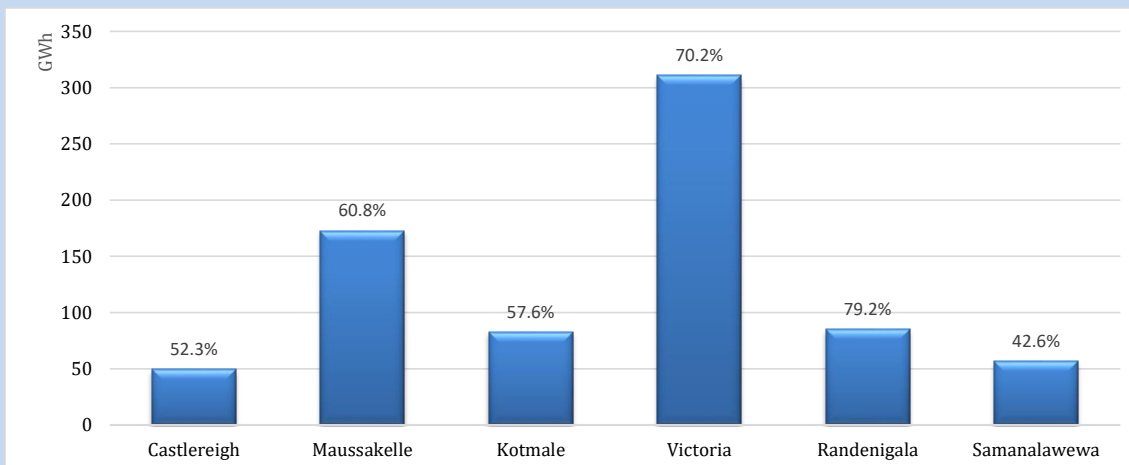


Night Peak*	2,133.4 MW
Day Peak	1,947.1 MW
Minimum Demand	1,187.7 MW

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

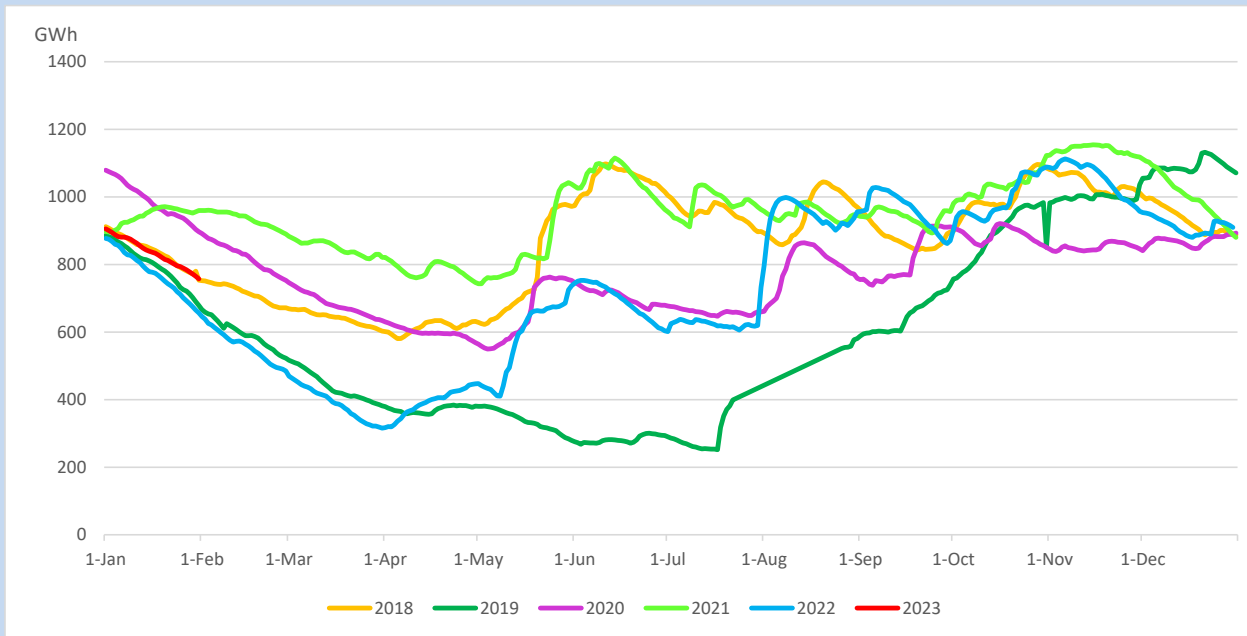
## Reservoir Levels -

as at 06.00 Hr on February 1, 2023

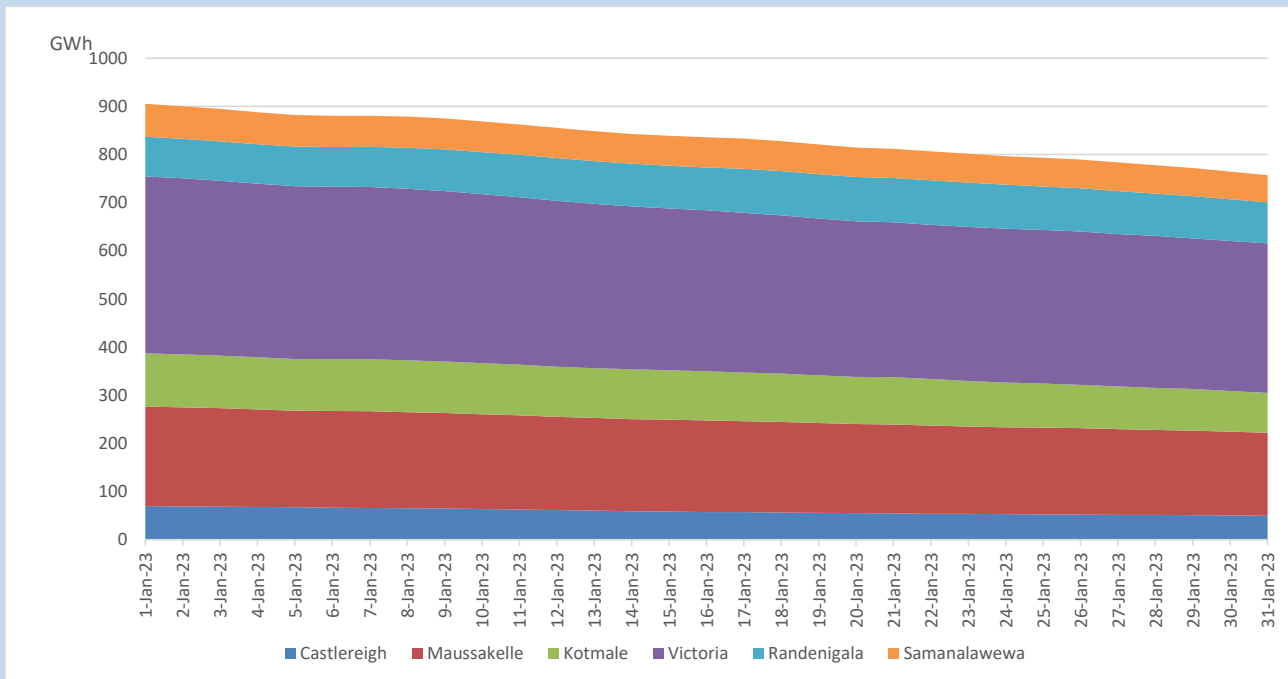


Total Reservoir Level	757.2 GWh
% of Total capacity	62.8%

## Comparison of Total Reservoir Storage Levels with Past Years

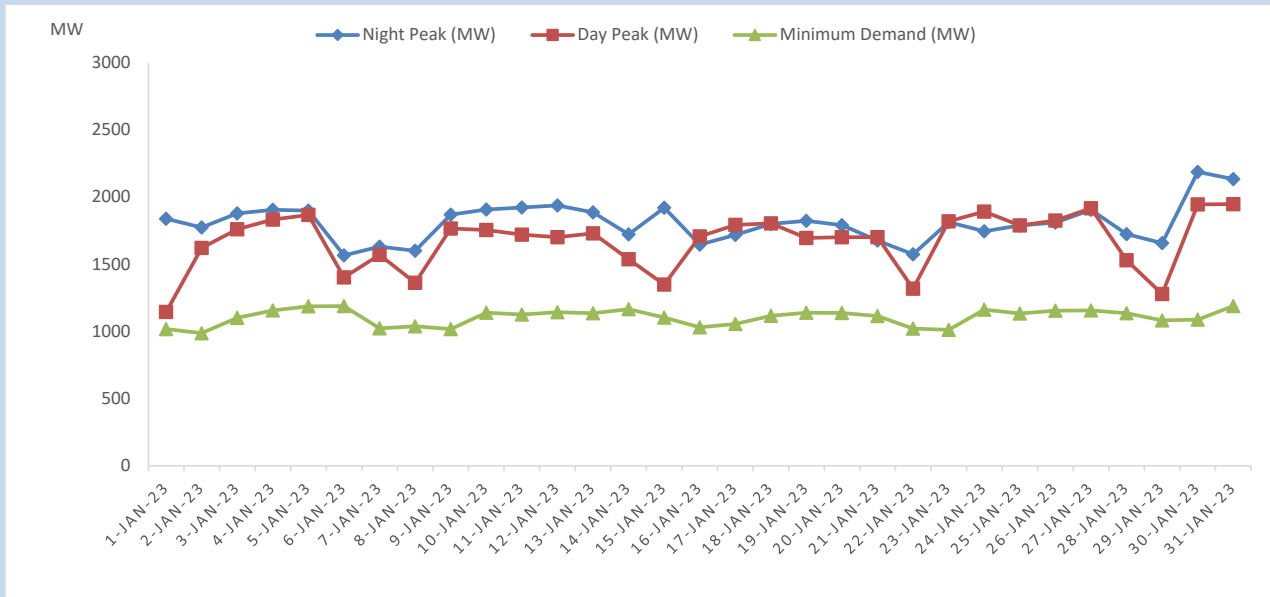


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

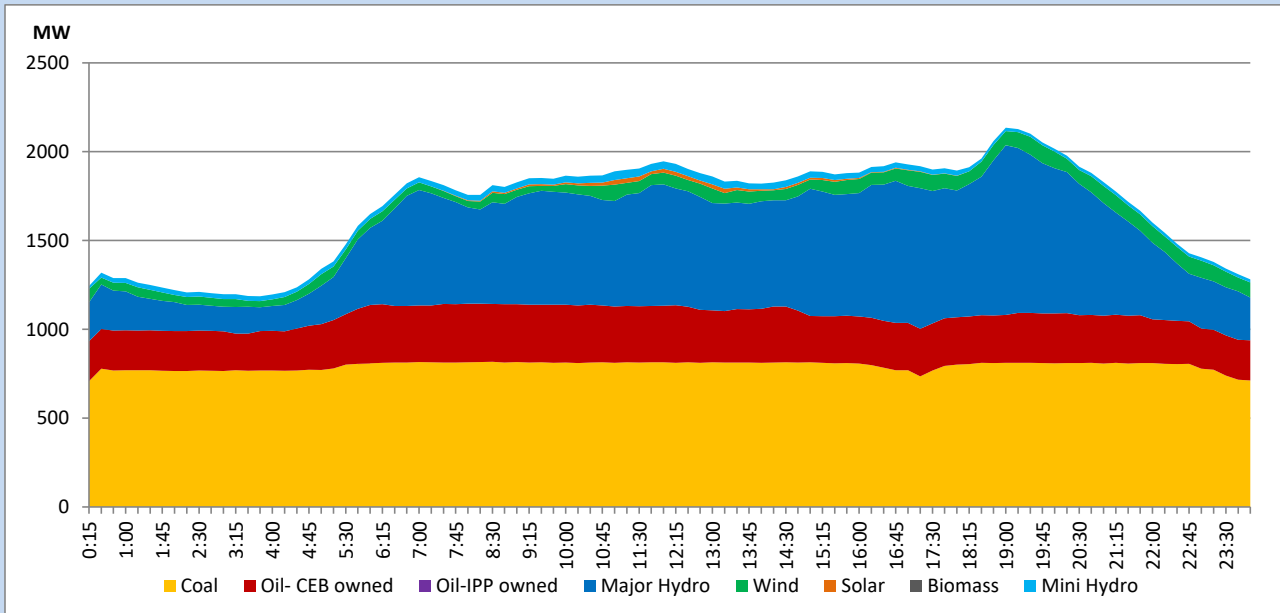


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the day

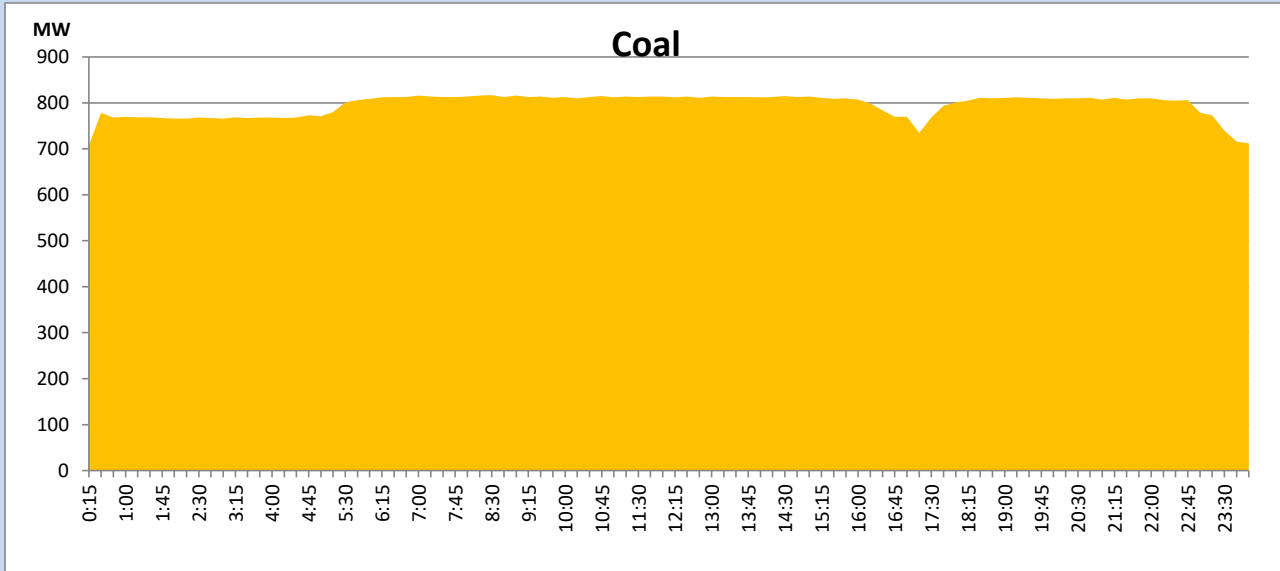
January 31, 2023

Solar and wind data is based on Telemetered Power Stations only



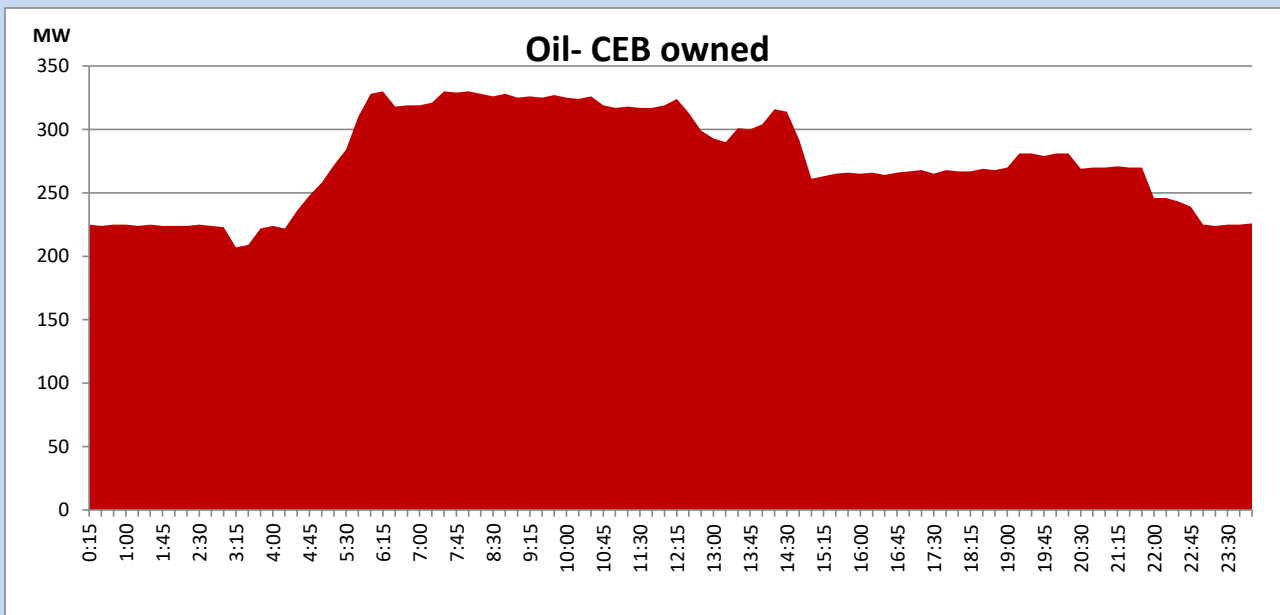
## Coal Generation during the day

January 31, 2023



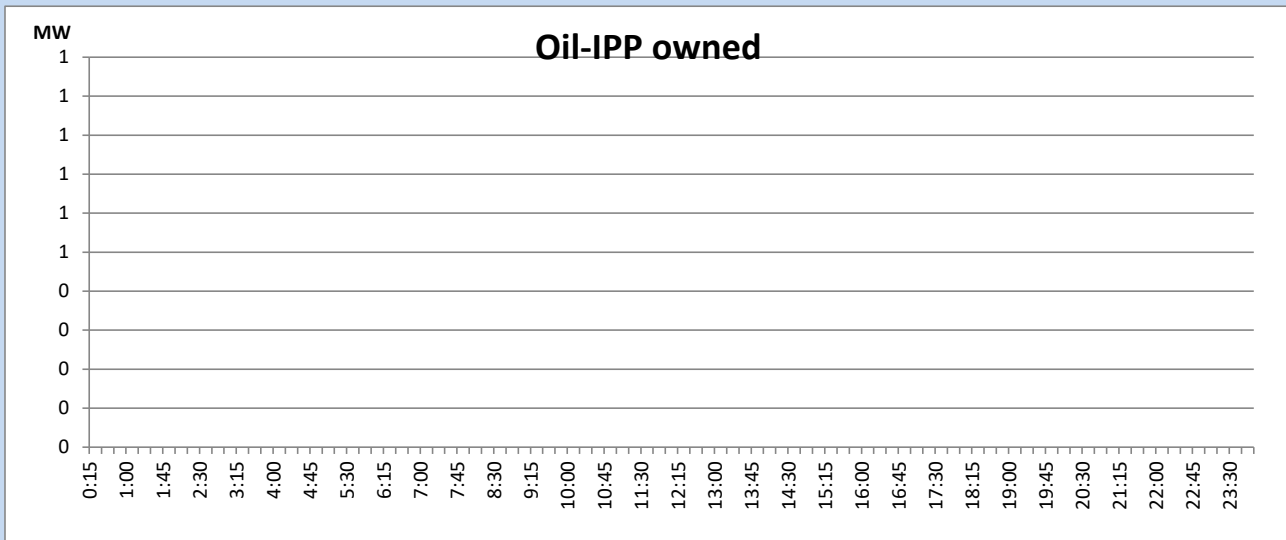
## CEB Oil Plant Generation during the day

January 31, 2023



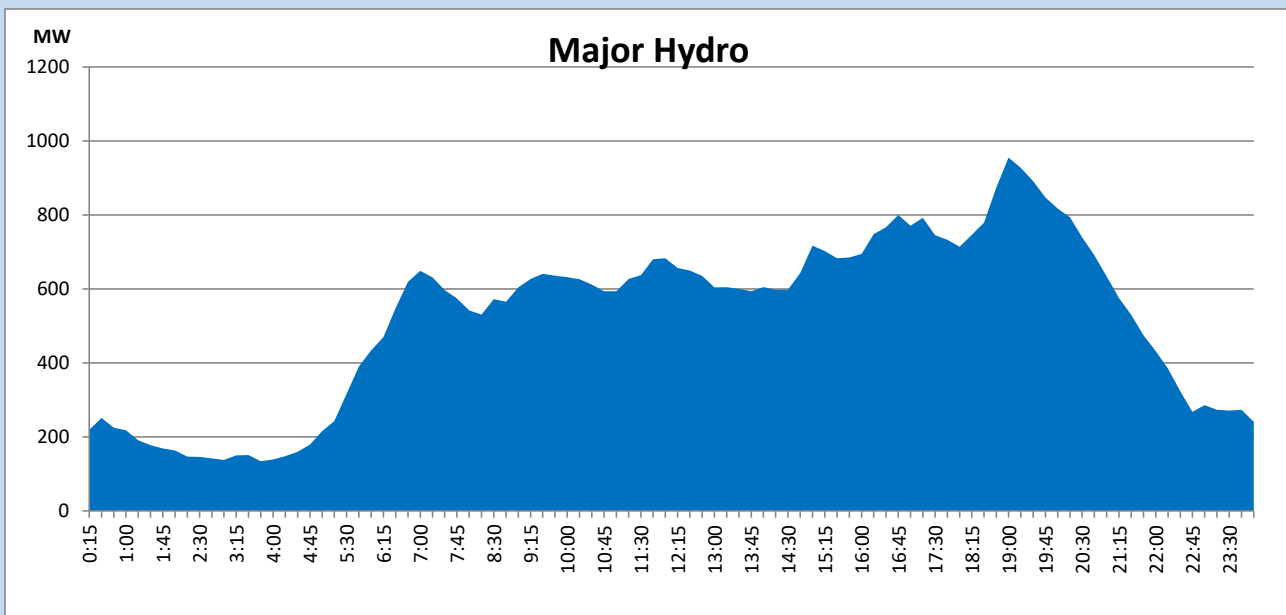
## IPP Oil Plant Generation during the day

January 31, 2023



## Major Hydro Generation during the day

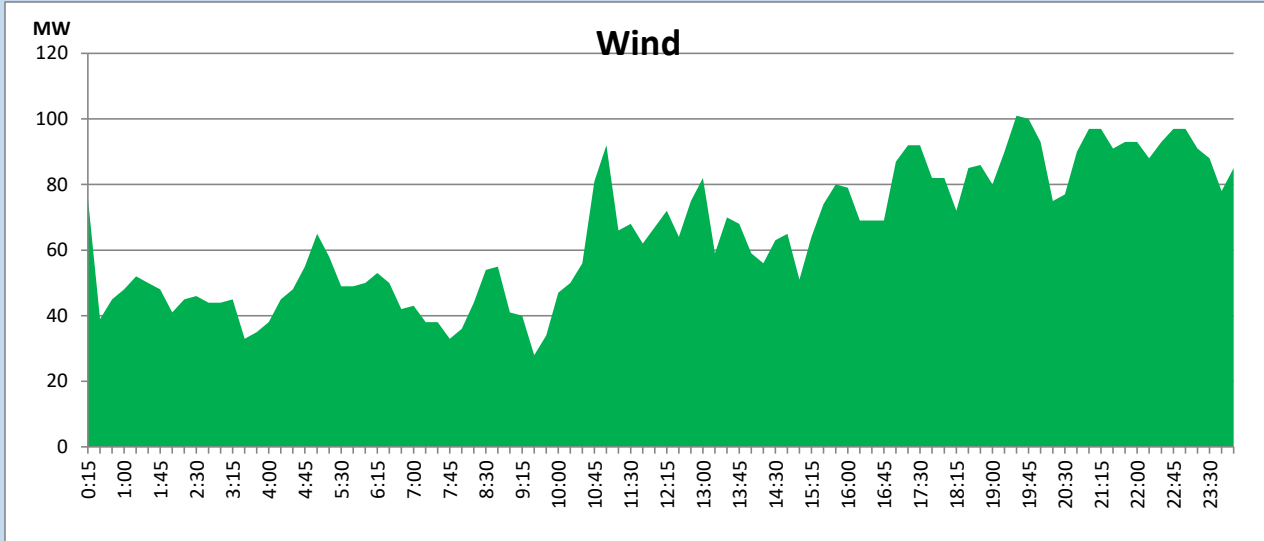
January 31, 2023



## Wind Generation during the day

January 31, 2023

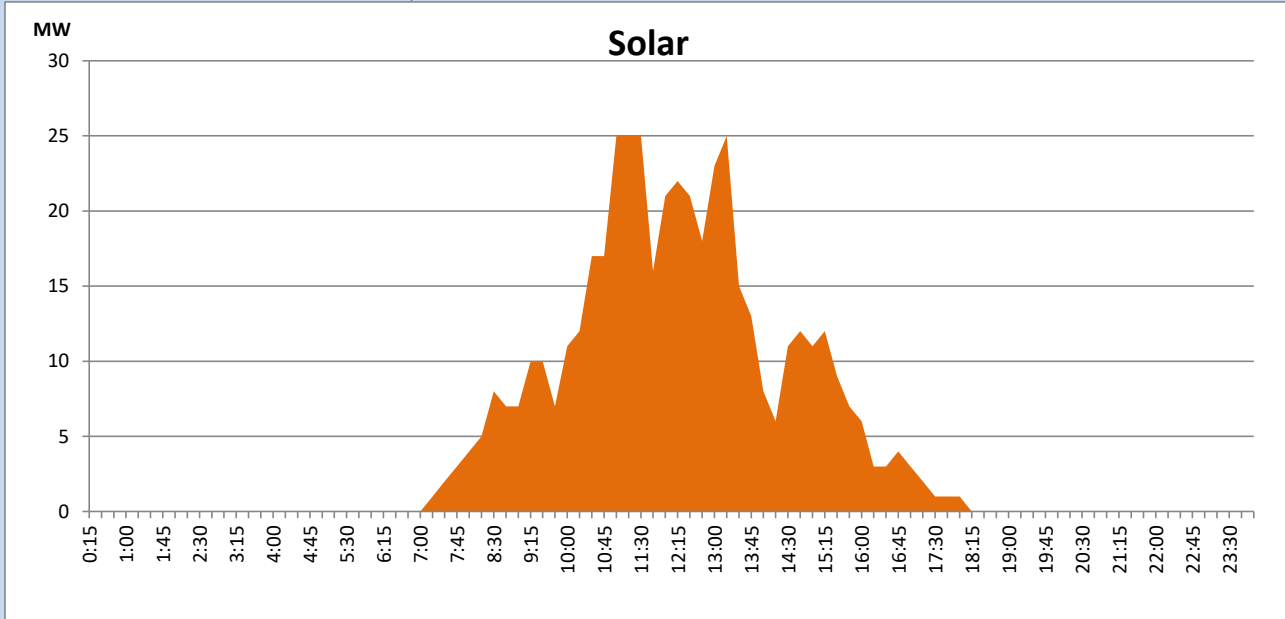
Based on Telemetered Power Stations only



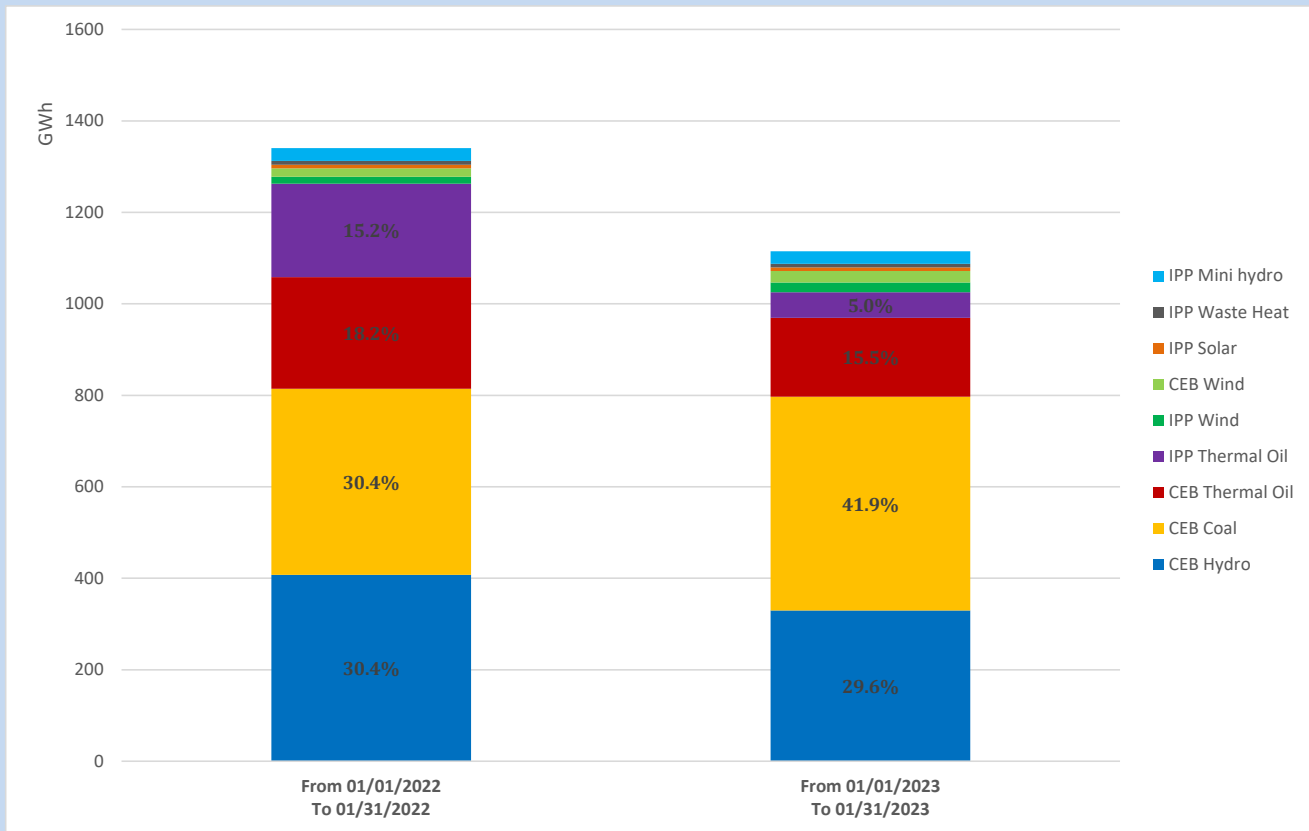
## Solar Generation during the day

January 31, 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

January 31, 2023

- 1) Kilinochchi-Chunnakam cct 02 tripped and auto-reclosed at 15:23 hrs due to the operation of distance protection.