

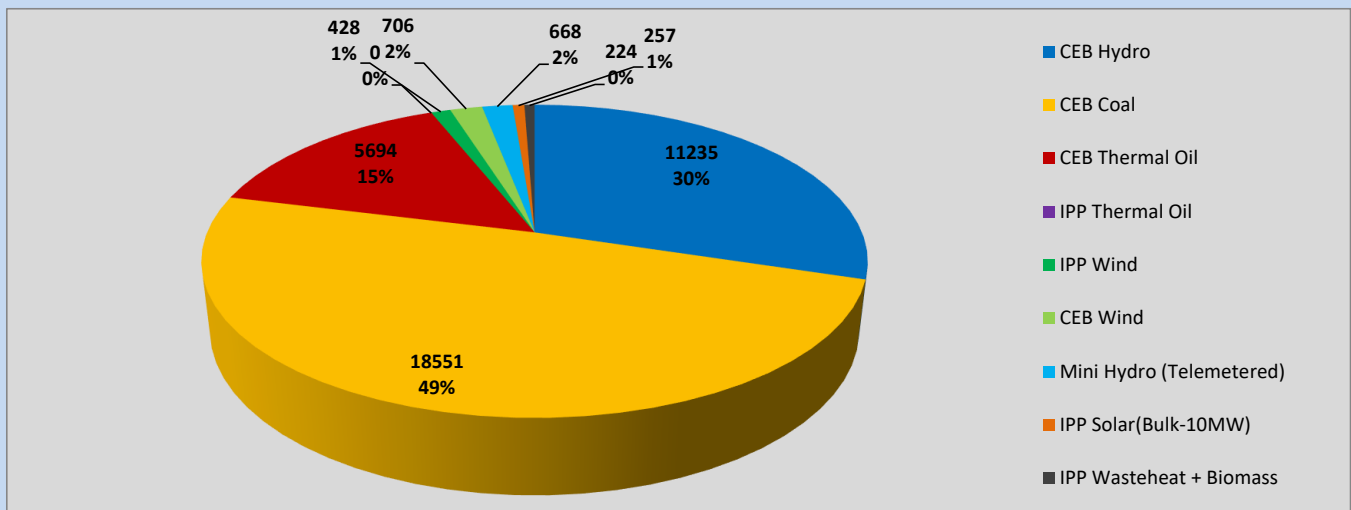
# Generation and Reservoirs Statistics

February 3, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

**37,763 MWh**

### Estimated figures of CEB generation report

Estimated unserved energy = 1.2 GWh

Estimated Mini Hydro (Non telemetered) = 1212 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

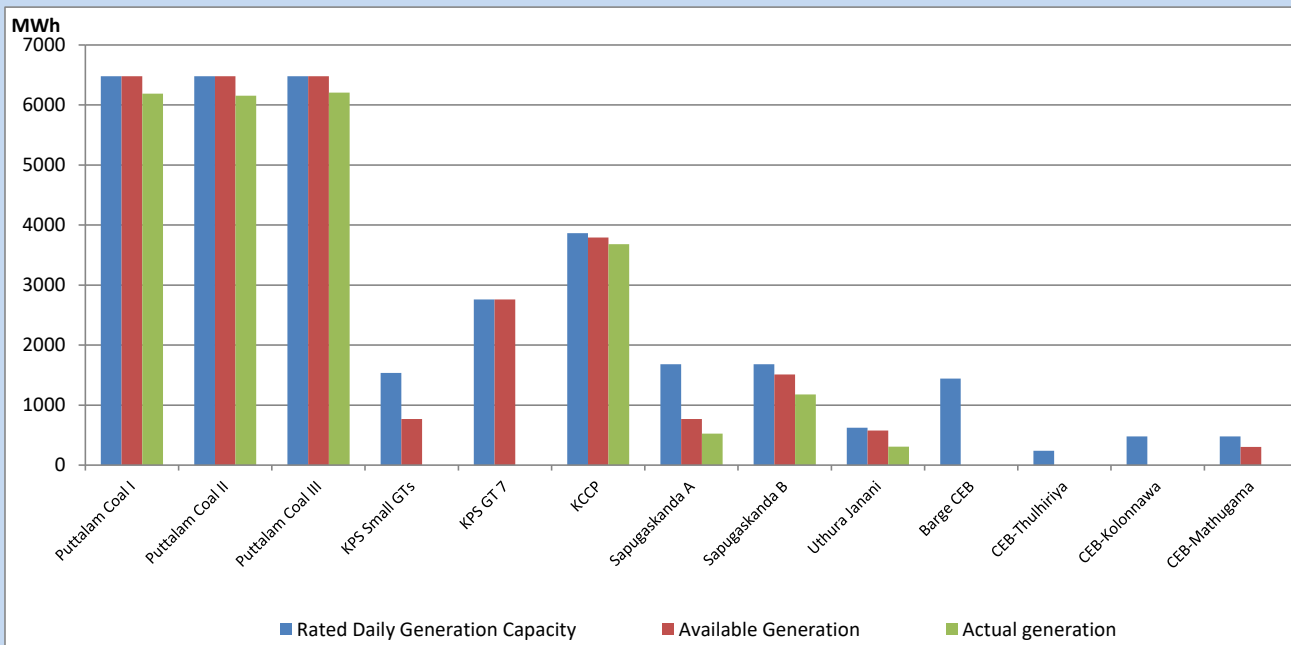
Category	Dispatch (GWh)	Percentage
CEB Hydro	33	28.85%
CEB Coal	56	48.45%
CEB Thermal Oil	18	15.31%
IPP Thermal	0	0.00%
SPP Wind	2	2.06%
CEB Wind	3	3.03%
Mini Hydro (Telemetered)	2	1.42%
IPP Solar (Bulk-10MW)	1	0.46%
IPP Wasteheat + BMP	0	0.43%
<b>Total</b>	<b>115</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	363	29.53%
CEB Coal	523	42.51%
CEB Thermal Oil	190	15.48%
IPP Thermal	56	4.54%
SPP Wind	23	1.90%
CEB Wind	29	2.33%
Mini Hydro (Telemetered)	29	2.34%
IPP Solar (Bulk-10MW)	9	0.72%
IPP Wasteheat	8	0.66%
<b>Total</b>	<b>1,230</b>	

## CEB owned Thermal Plant Dispatch

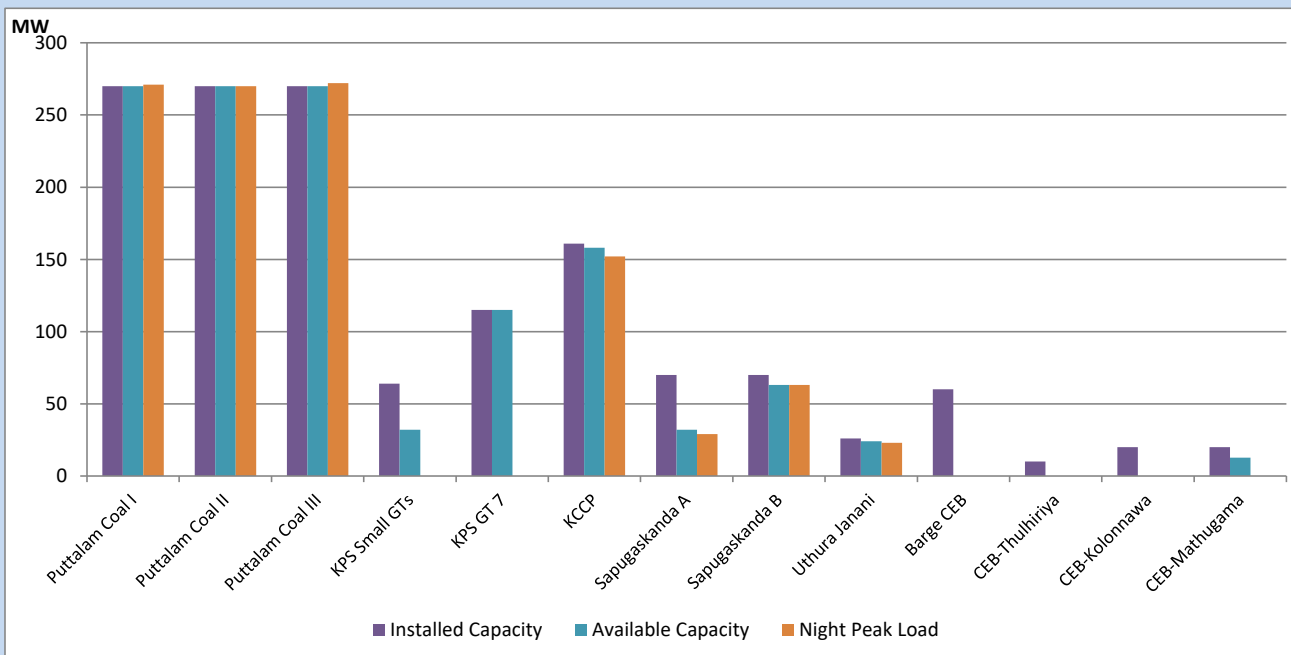
February 3, 2023



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

February 4, 2023

## CEB owned Thermal Plant Loading at the Night Peak

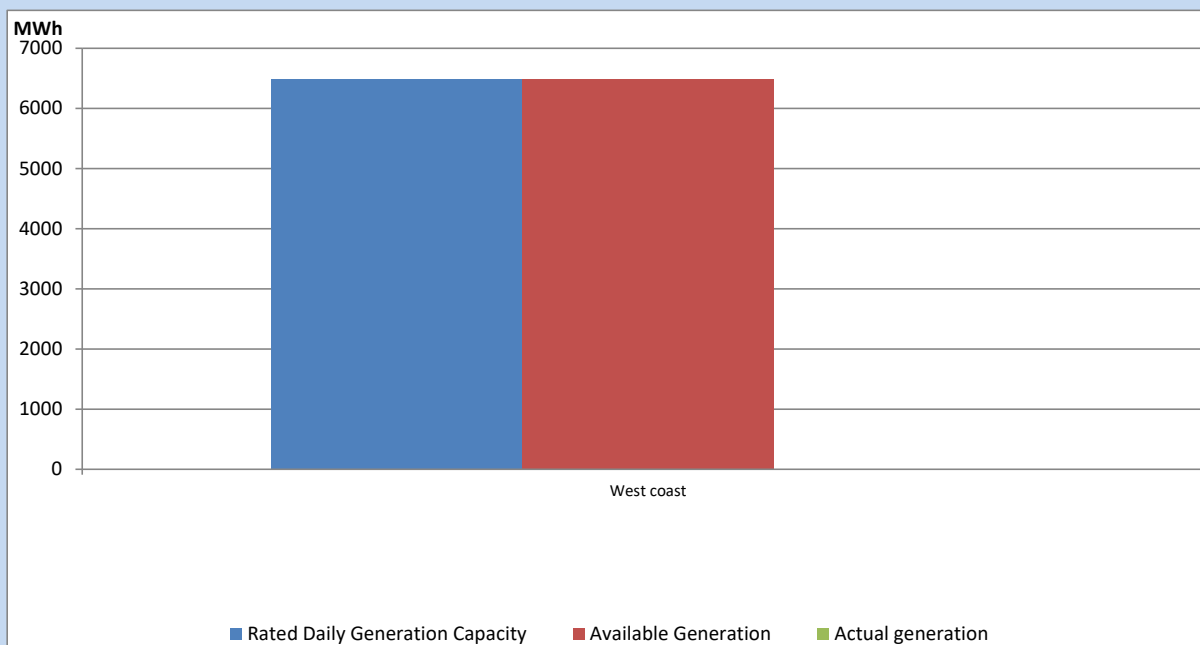


Note- Plant availability is recorded at 6.00 am on

February 4, 2023

## IPP owned Thermal Plant Dispatch

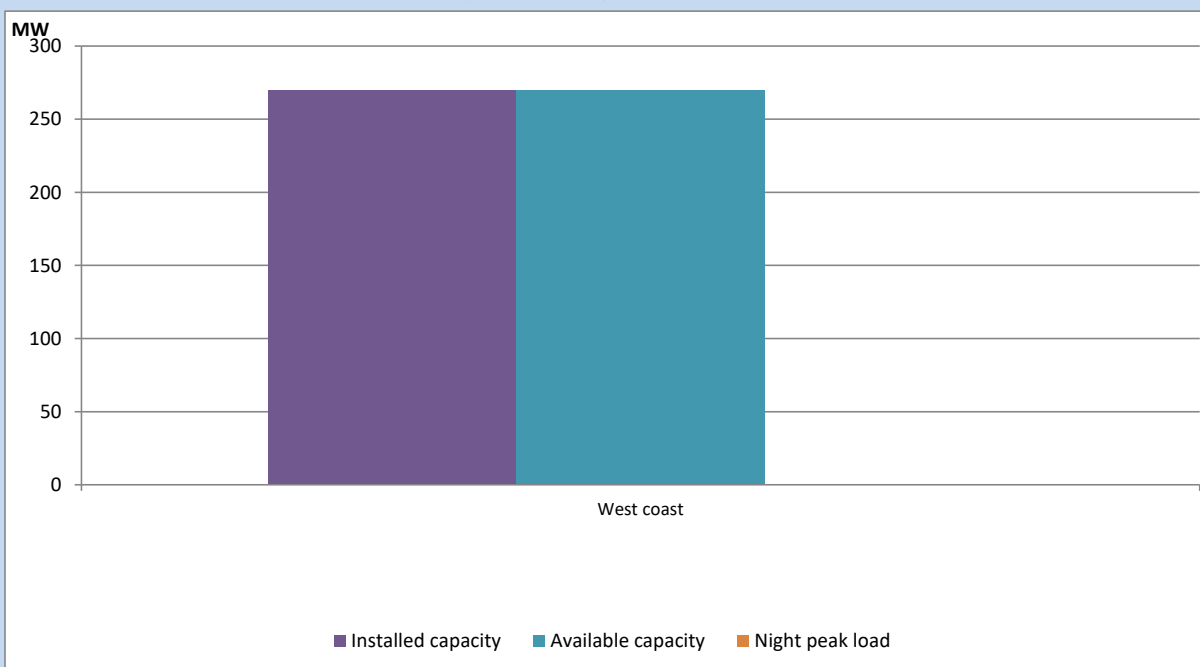
February 3, 2023



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

February 4, 2023

## IPP owned Thermal Plant Loading at the Night Peak

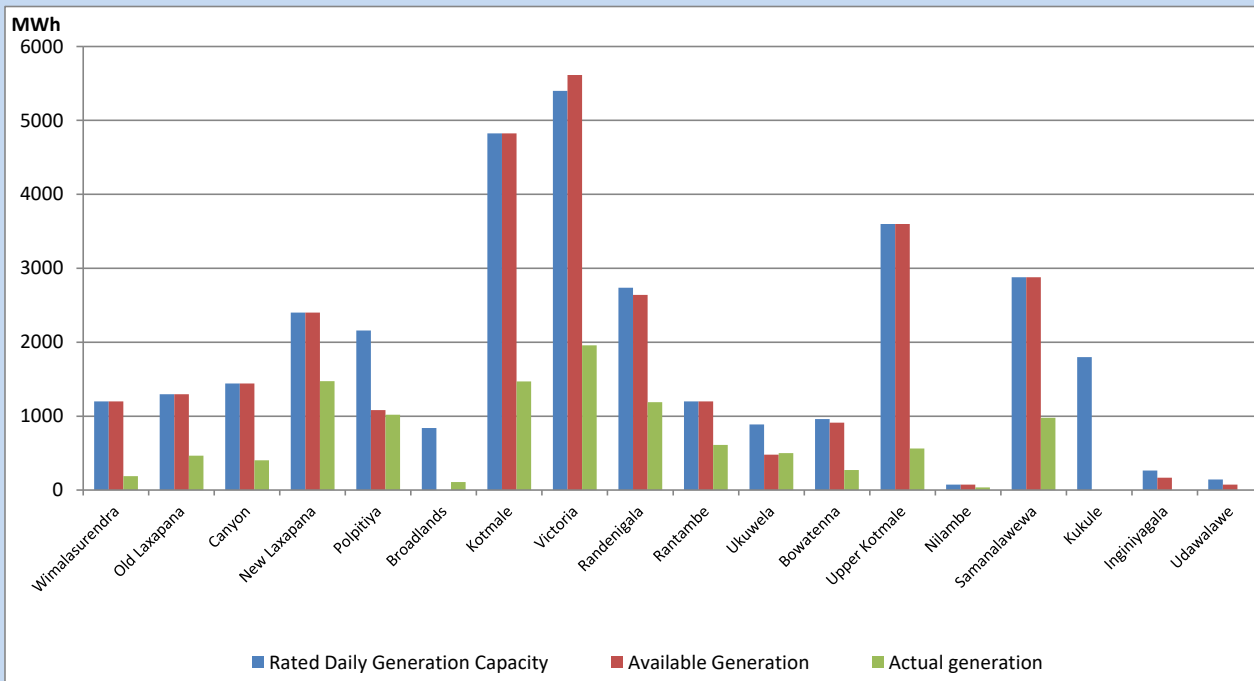


Note- Plant availability is recorded at 6.00 am on

February 4, 2023

## Major Hydro Plant Dispatch

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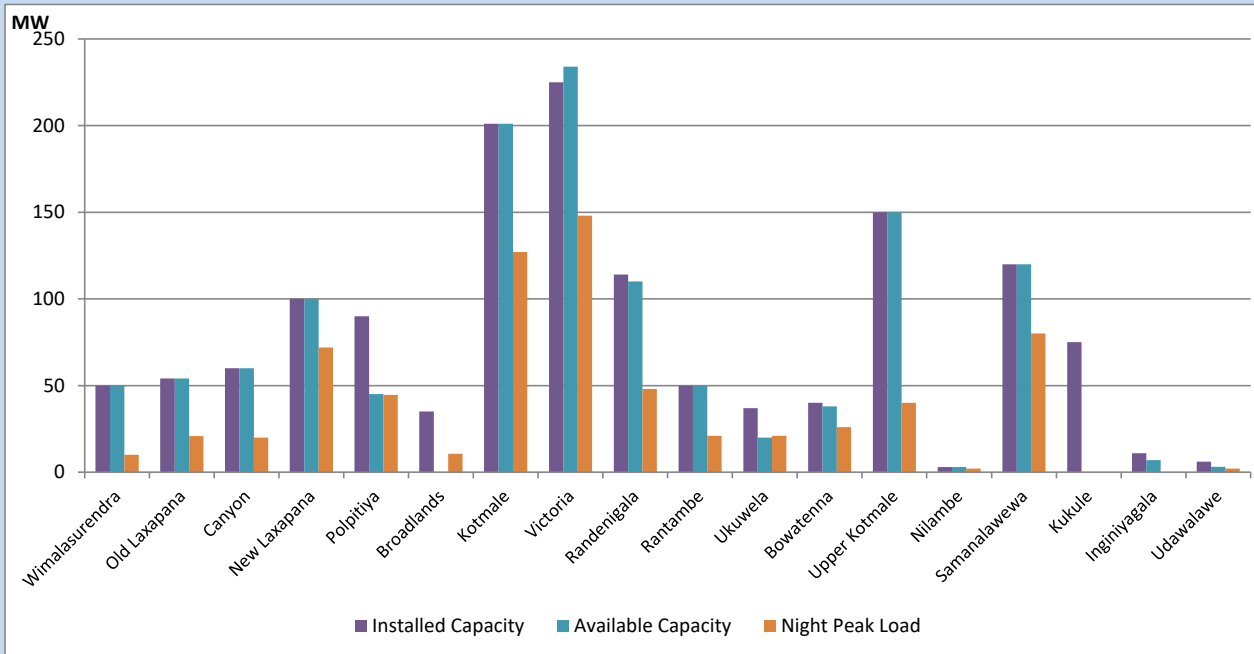


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 4, 2023

## Major Hydro Plant Loading at Night Peak

February 3, 2023



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

February 4, 2023

## Summary of Major Plant performance

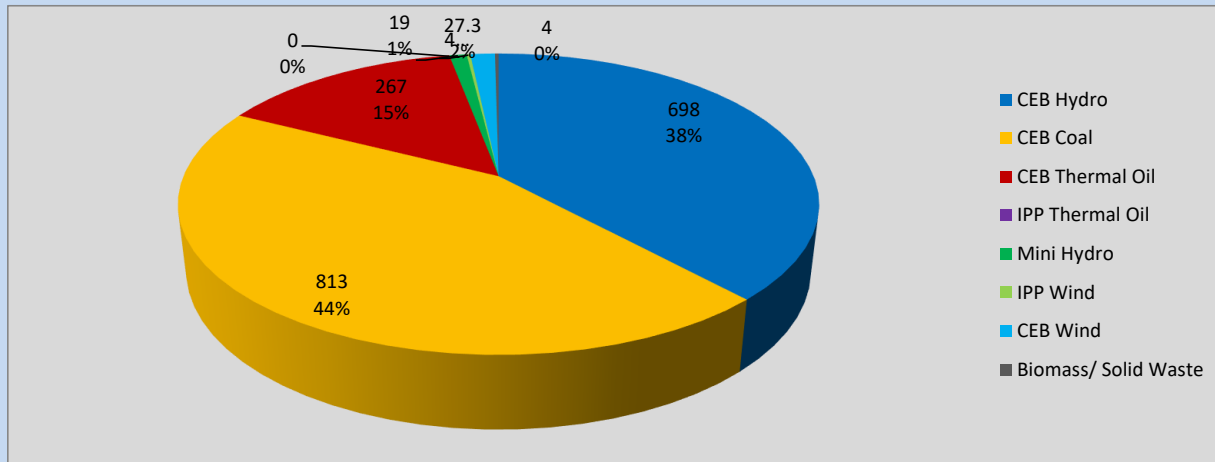
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	10	188
Old Laxapana	54	54	21	466
Canyon	60	60	20	402
New Laxapana	100	100	72	1,474
Polpitiya	90	45	45	1,019
Broadlands	35	0	11	110
Kotmale	201	201	127	1,470
Victoria	225	234	148	1,957
Randenigala	114	110	48	1,188
Rantambe	50	50	21	612
Ukuwela	37	20	21	501
Bowatenna	40	38	26	271
Upper Kotmale	150	150	40	561
Nilambe	3	3	2	37
Samanalawewa	120	120	80	979
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	2	0
Puttalam Coal I	270	270	271	6,190
Puttalam Coal II	270	270	270	6,154
Puttalam Coal III	270	270	272	6,207
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	152	3,683
Sapugaskanda A	70	32	29	526
Sapugaskanda B	70	63	63	1,179
Uthura Janani	26	24	23	306
Barge CEB	60	0	0	0
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	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,762</b>	<b>1,827</b>	<b>37,763</b>

Plant availability is the availability recorded at 6 am on

February 4, 2023

## Contribution to the Night Peak in MW

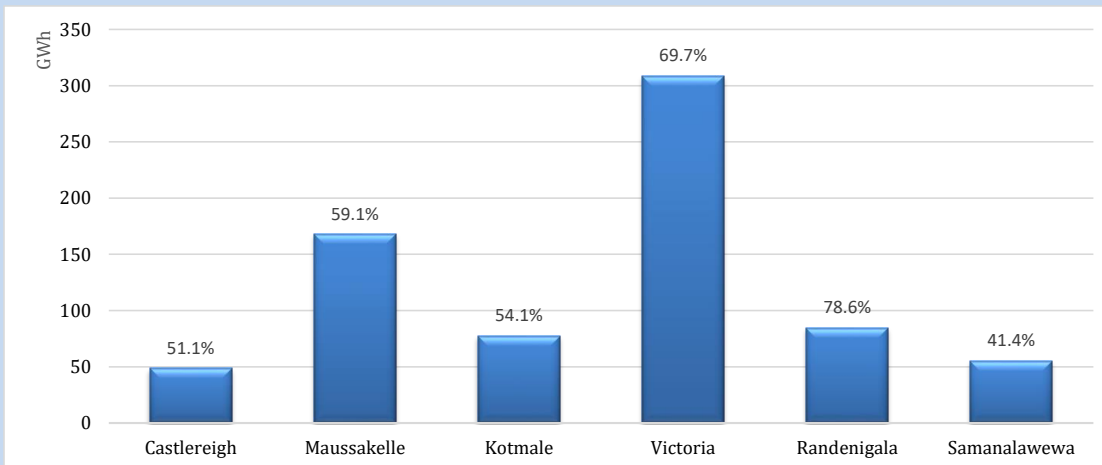
February 3, 2023



Night Peak*	1,832.4 MW
Day Peak	1,864.3 MW
Minimum Demand	1,092.8 MW

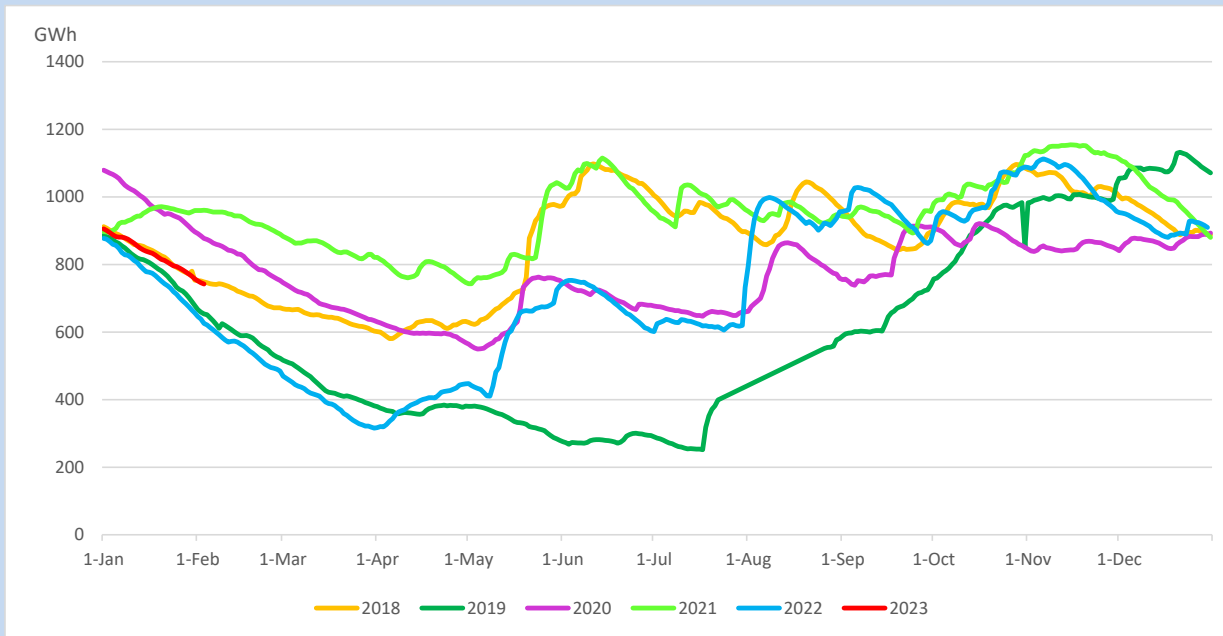
Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Reservoir Levels - as at 06.00 Hr on February 4, 2023

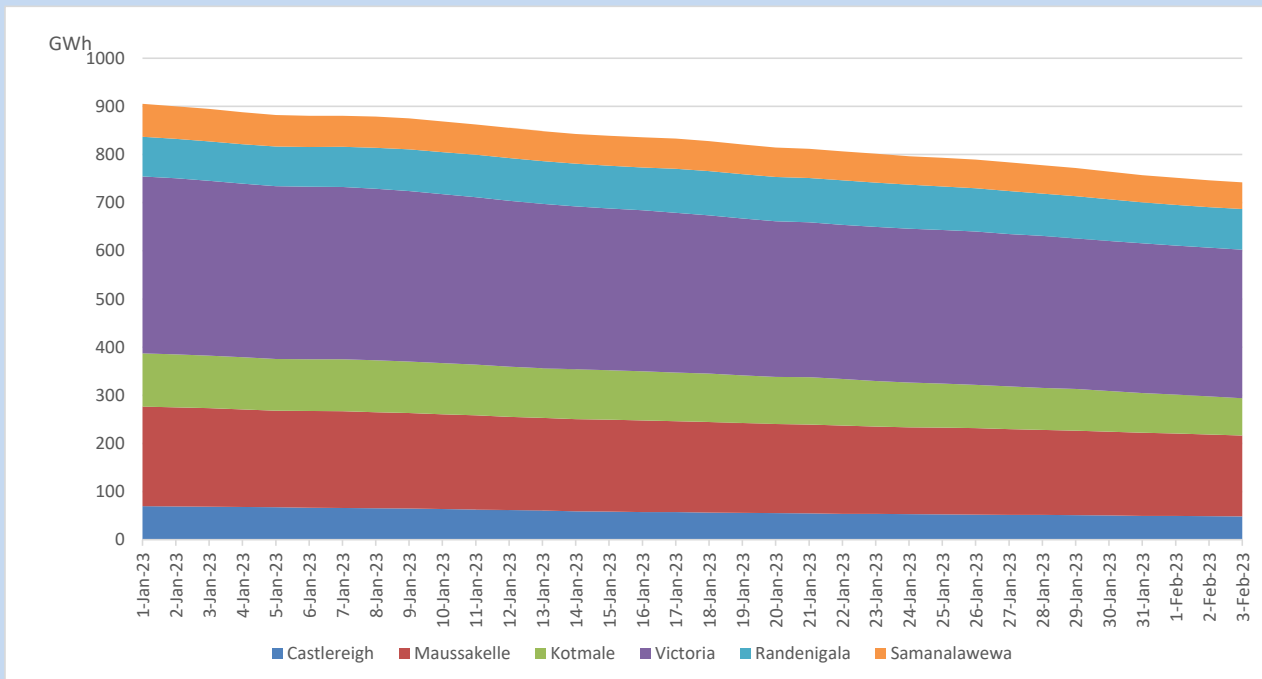


Total Reservoir Level	742.1 GWh
% of Total capacity	61.6%

## Comparison of Total Reservoir Storage Levels with Past Years

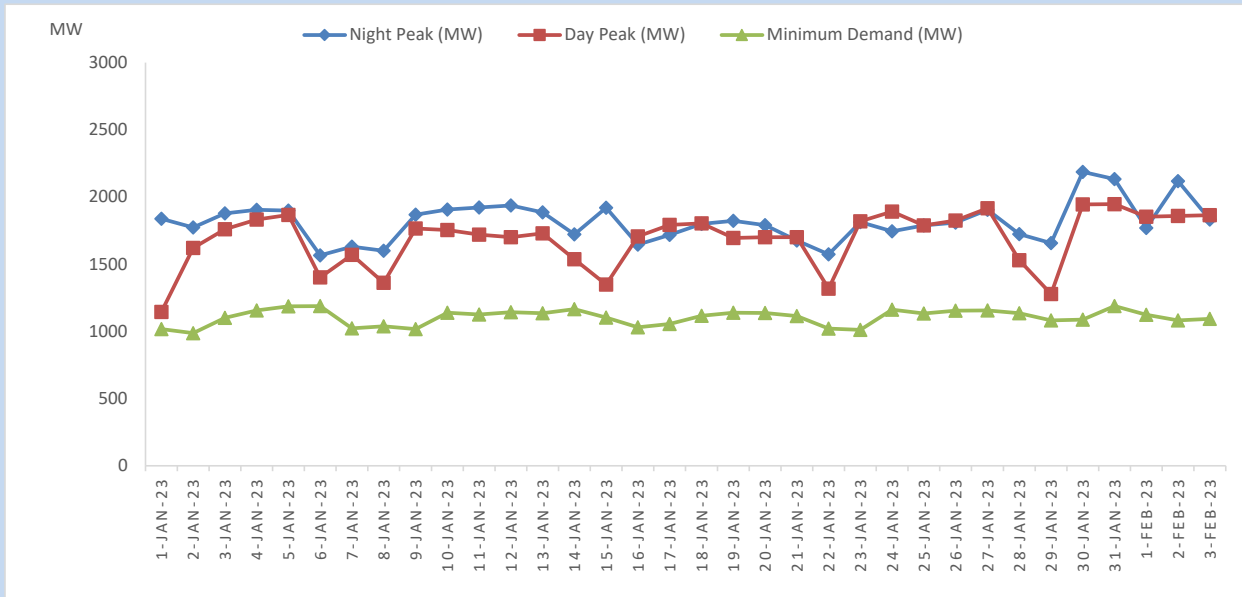


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

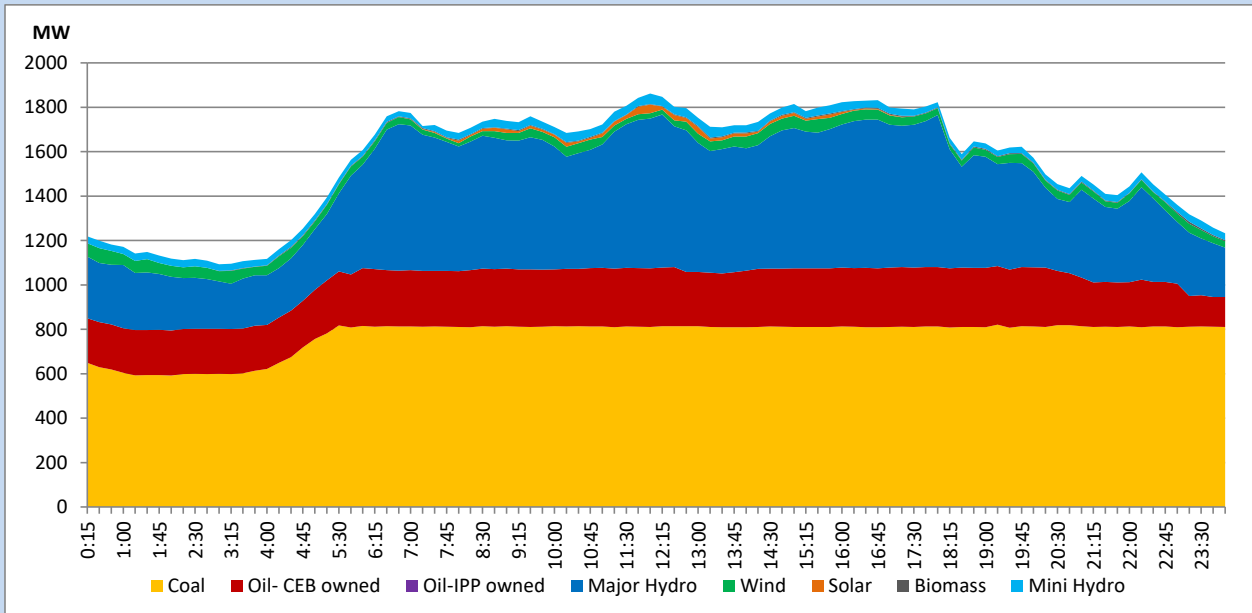


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

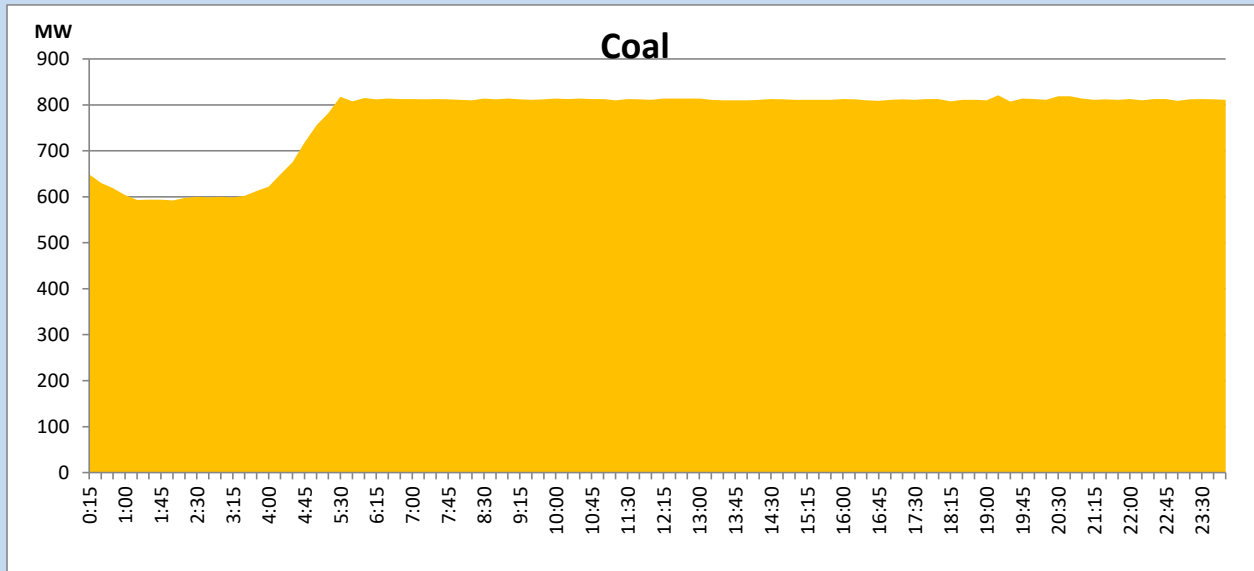
February 3, 2023

Solar and wind data is based on Telemetered Power Stations only



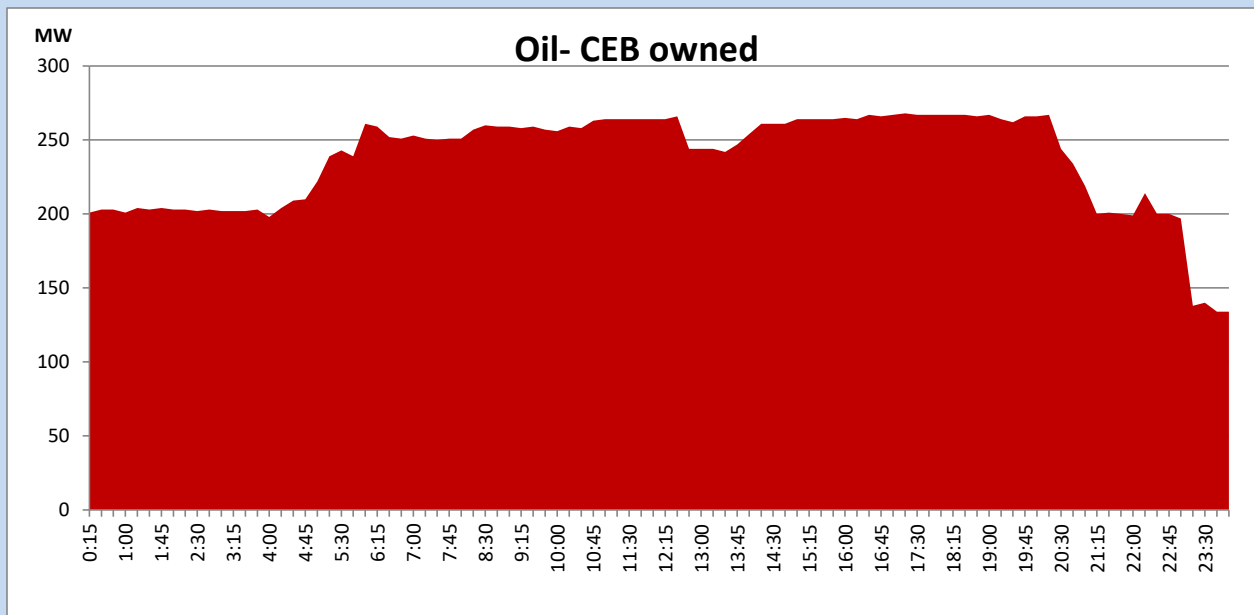
## Coal Generation during

February 3, 2023



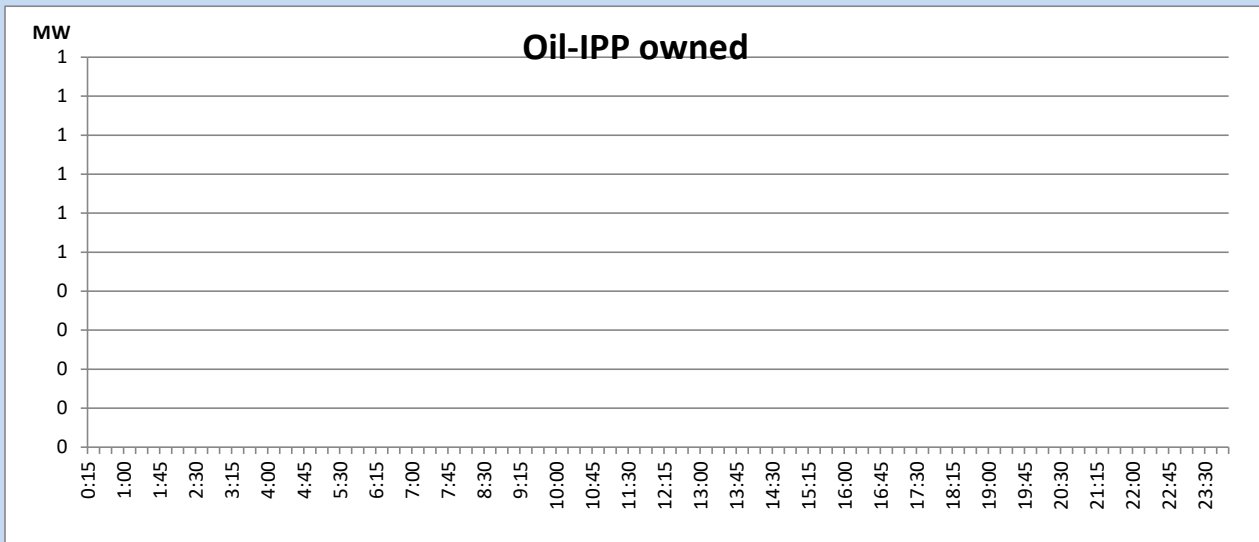
## CEB Oil Plant Generation during

February 3, 2023



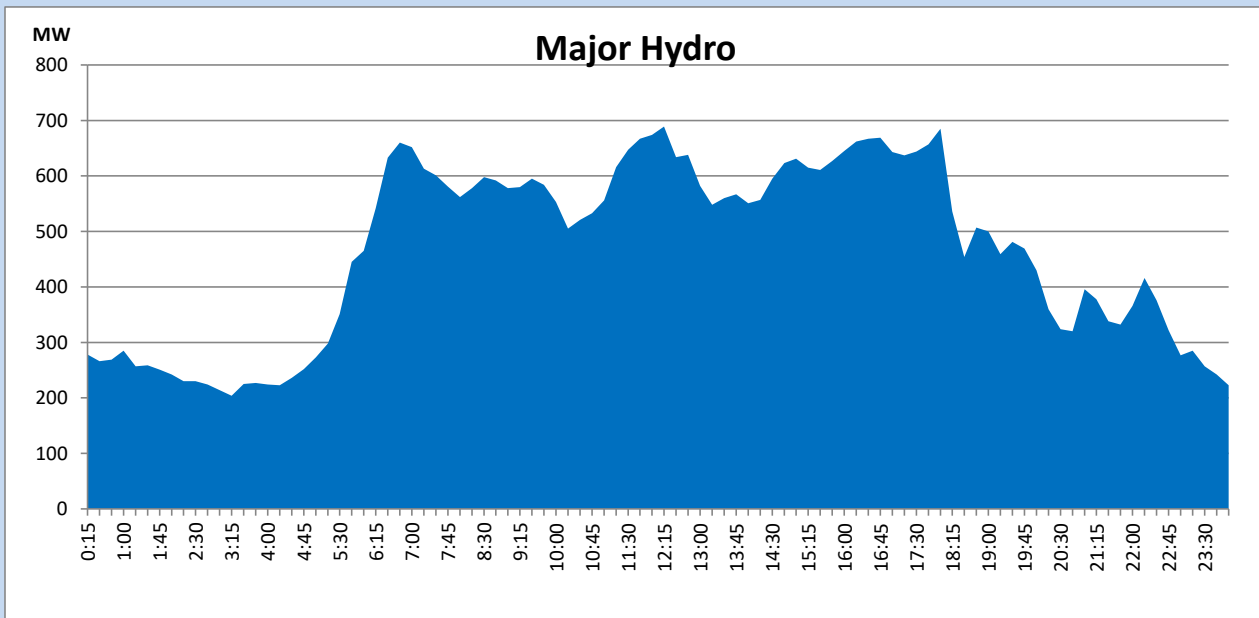
IPP Oil Plant Generation during

February 3, 2023



Major Hydro Generation during

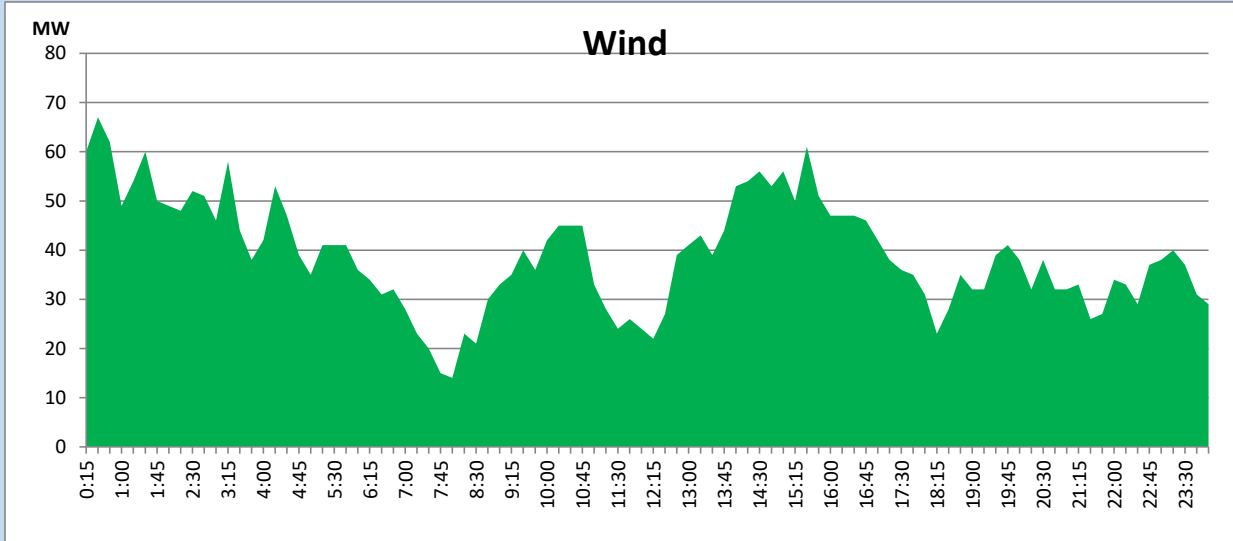
February 3, 2023



## Wind Generation during

February 3, 2023

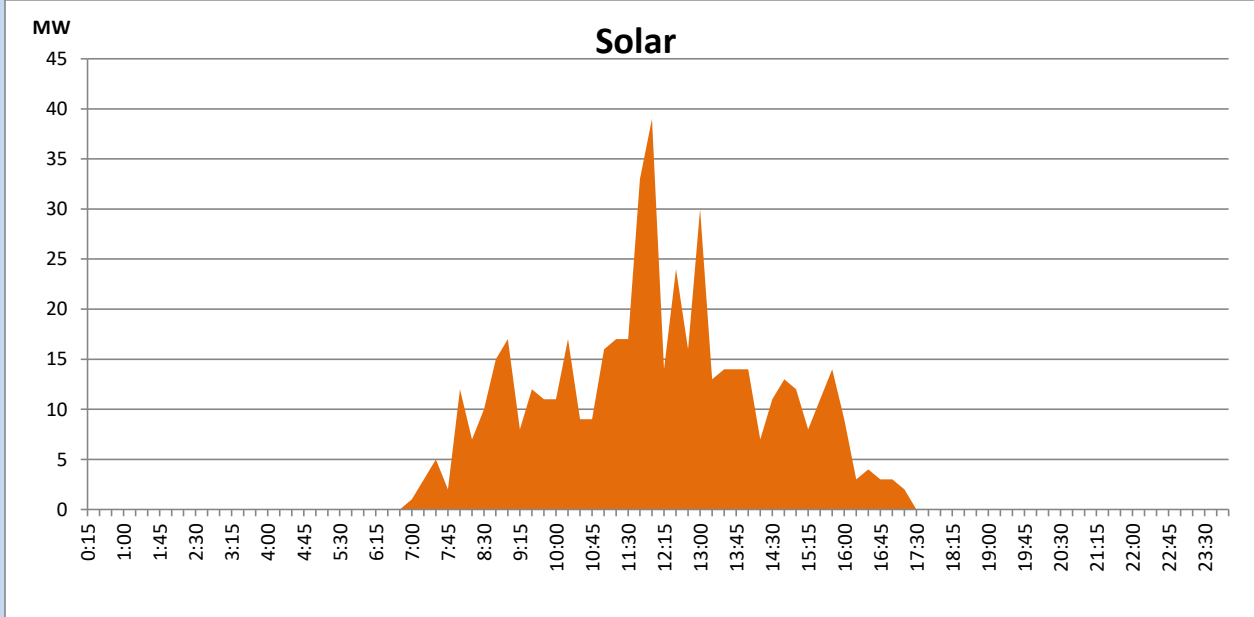
Based on Telemetered Power Stations only



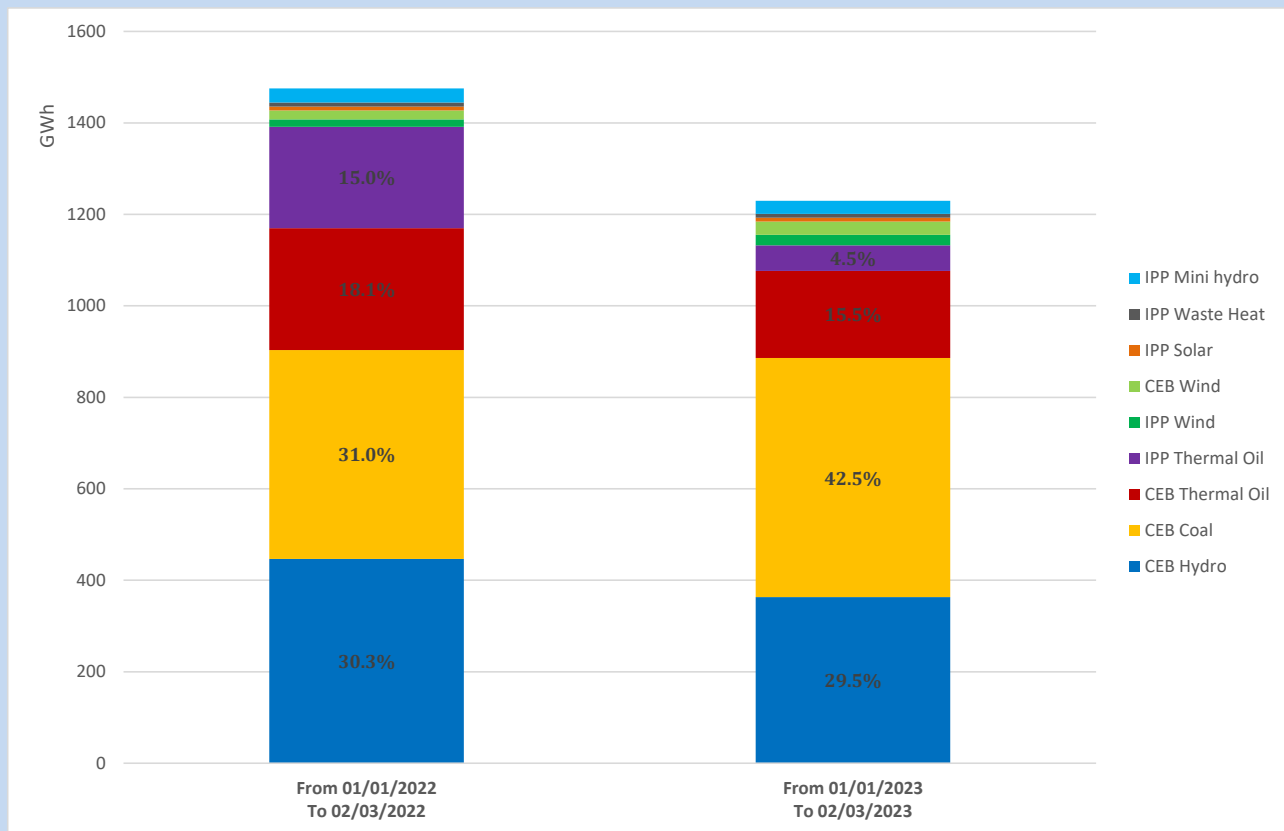
## Solar Generation during

February 3, 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 3, 2023

- 1) Rotational manual load shedding was carried out from 18:00hrs to 22:00hrs.
- 2) Old Laxapana Unit 05 tripped at 06:35hrs due to a governor accumulator sensor fault. Old Laxapana Unit 05 resumed generation at 15:39hrs.
- 3) Ambalangoda-Mathugama both ccts tripped from Ambalangoda end and tripped & A/R from Mathugama end at 19:10hrs, causing Ambalangoda GSS and New Galle GSS T/F 02 and 03 to be dead. All affected feeders and Ambalangoda-Mathugama both ccts were restored by 19:25hrs.