

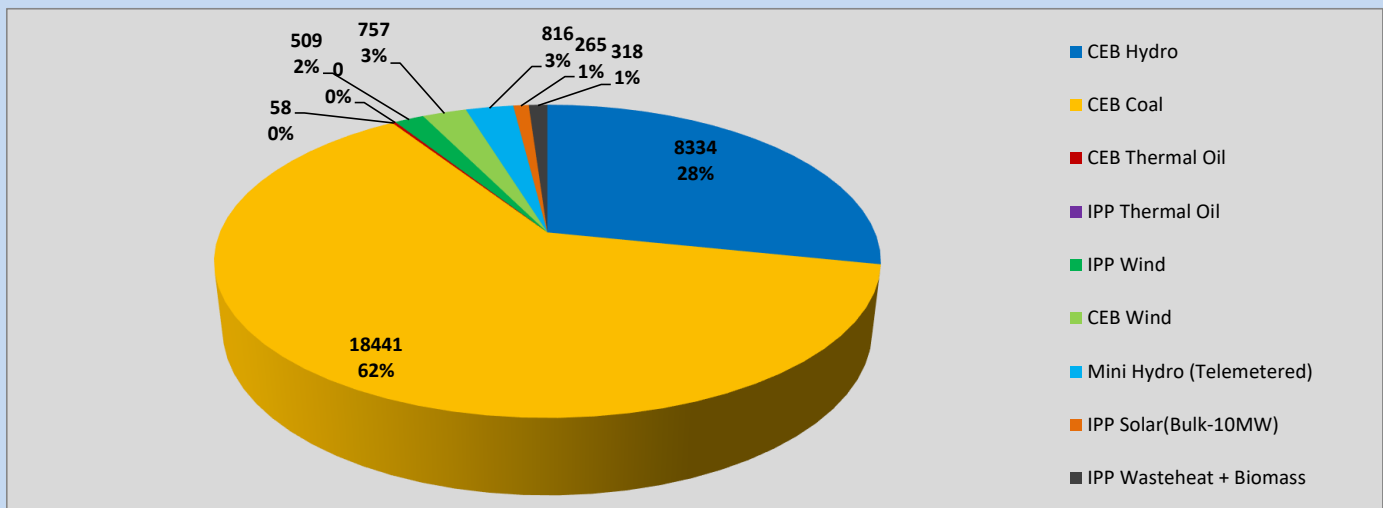
# Generation and Reservoirs Statistics

February 4, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

29,498 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 1.98 GWh  
 Estimated Mini Hydro (Non telemetered) = 1064 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

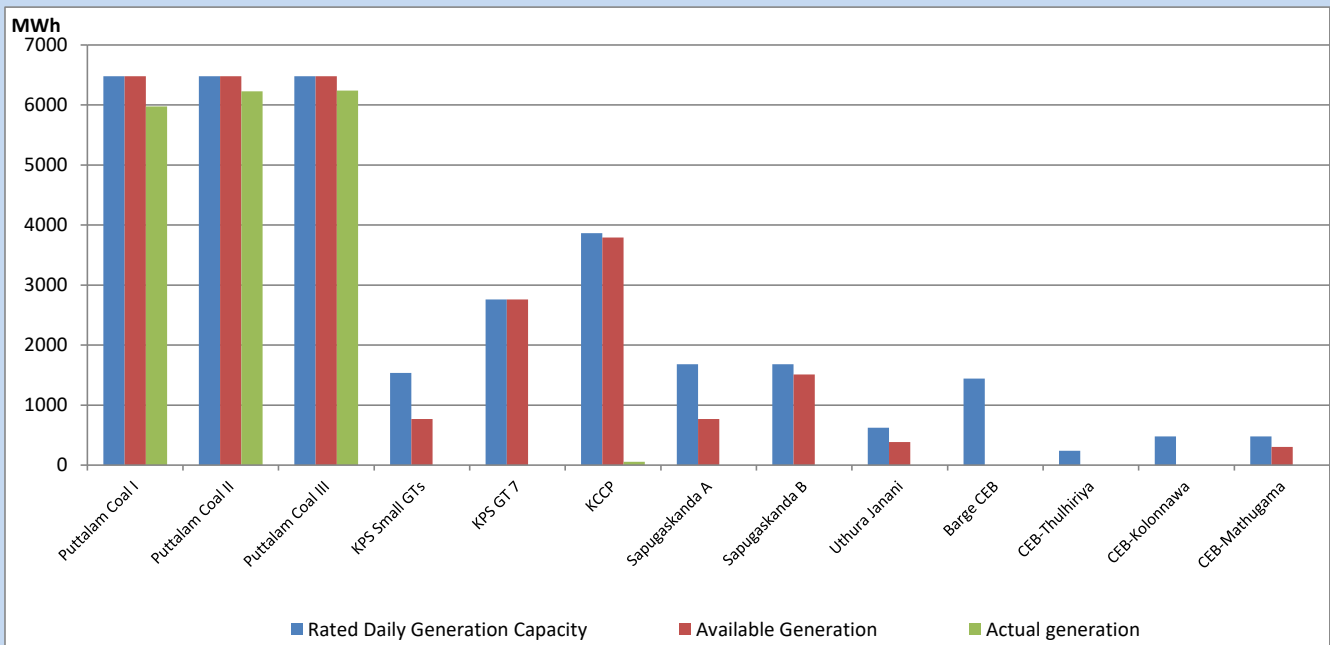
Category	Dispatch (GWh)	Percentage
CEB Hydro	42	28.73%
CEB Coal	74	51.31%
CEB Thermal Oil	18	12.22%
IPP Thermal	0	0.00%
SPP Wind	3	1.99%
CEB Wind	4	2.94%
Mini Hydro (Telemetered)	2	1.69%
IPP Solar (Bulk-10MW)	1	0.55%
IPP Wasteheat + BMP	1	0.56%
<b>Total</b>	<b>145</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	371	29.50%
CEB Coal	541	42.97%
CEB Thermal Oil	190	15.12%
IPP Thermal	56	4.43%
SPP Wind	24	1.90%
CEB Wind	29	2.34%
Mini Hydro (Telemetered)	30	2.35%
IPP Solar (Bulk-10MW)	9	0.73%
IPP Wasteheat	8	0.67%
<b>Total</b>	<b>1,259</b>	

## CEB owned Thermal Plant Dispatch

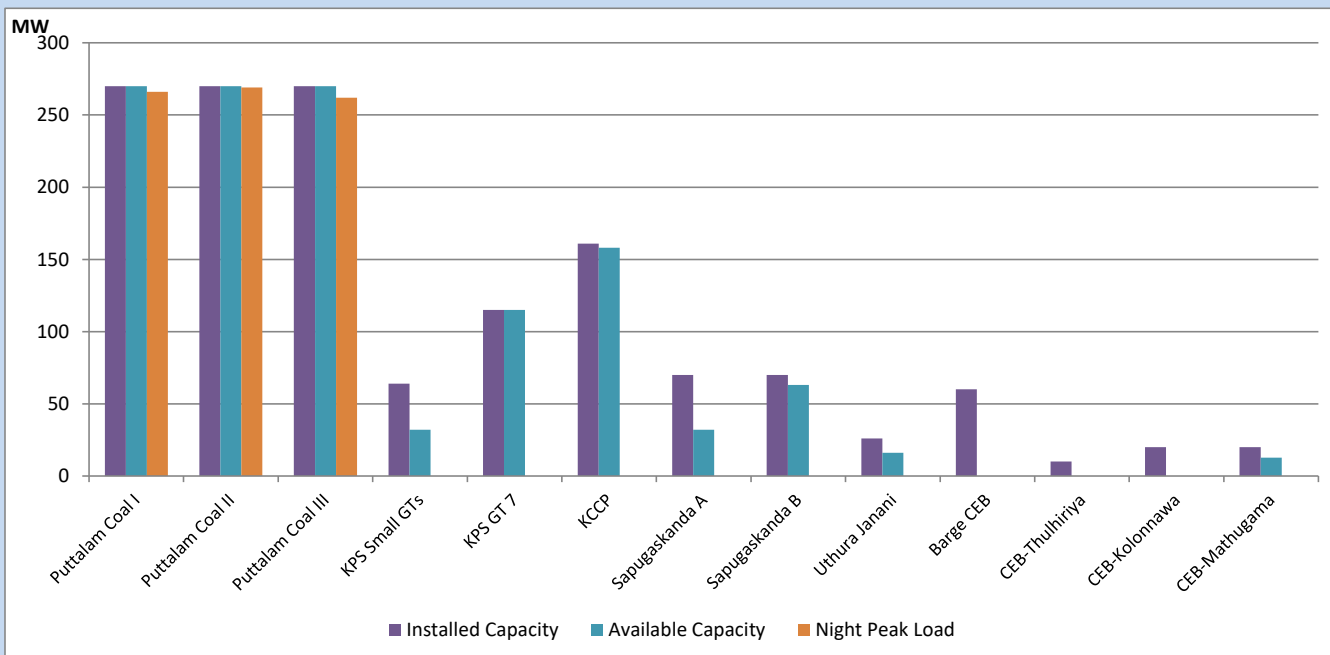
February 4, 2023



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

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## CEB owned Thermal Plant Loading at the Night Peak

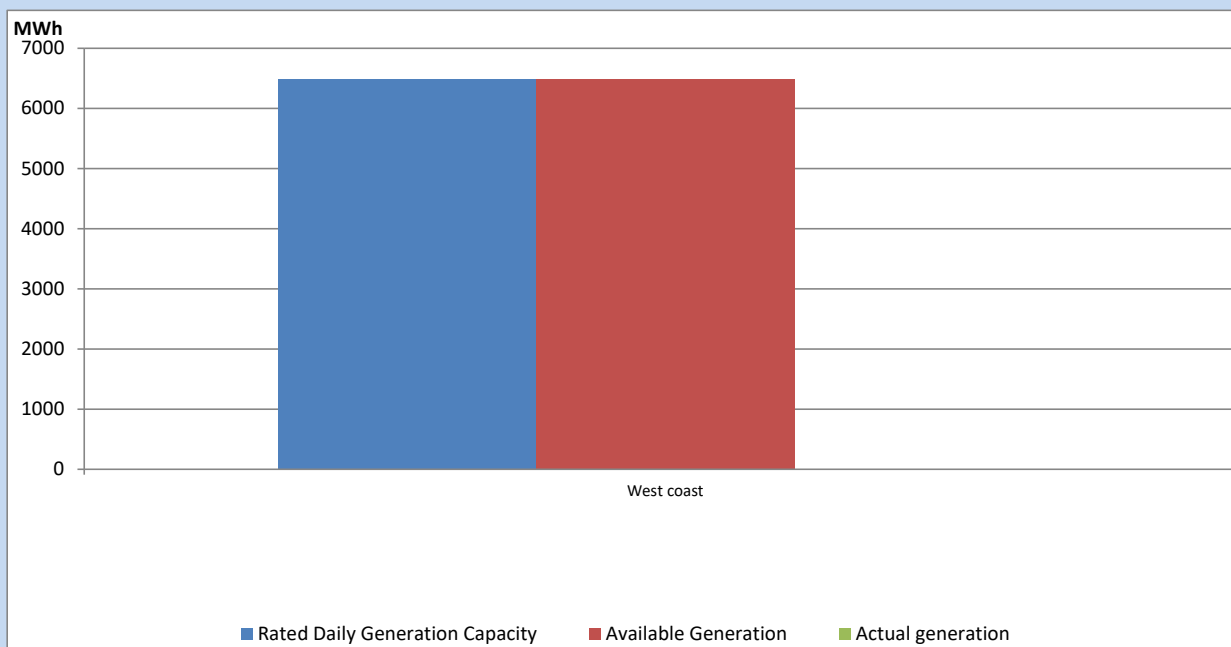


Note- Plant availability is recorded at 6.00 am on

February 5, 2023

## IPP owned Thermal Plant Dispatch

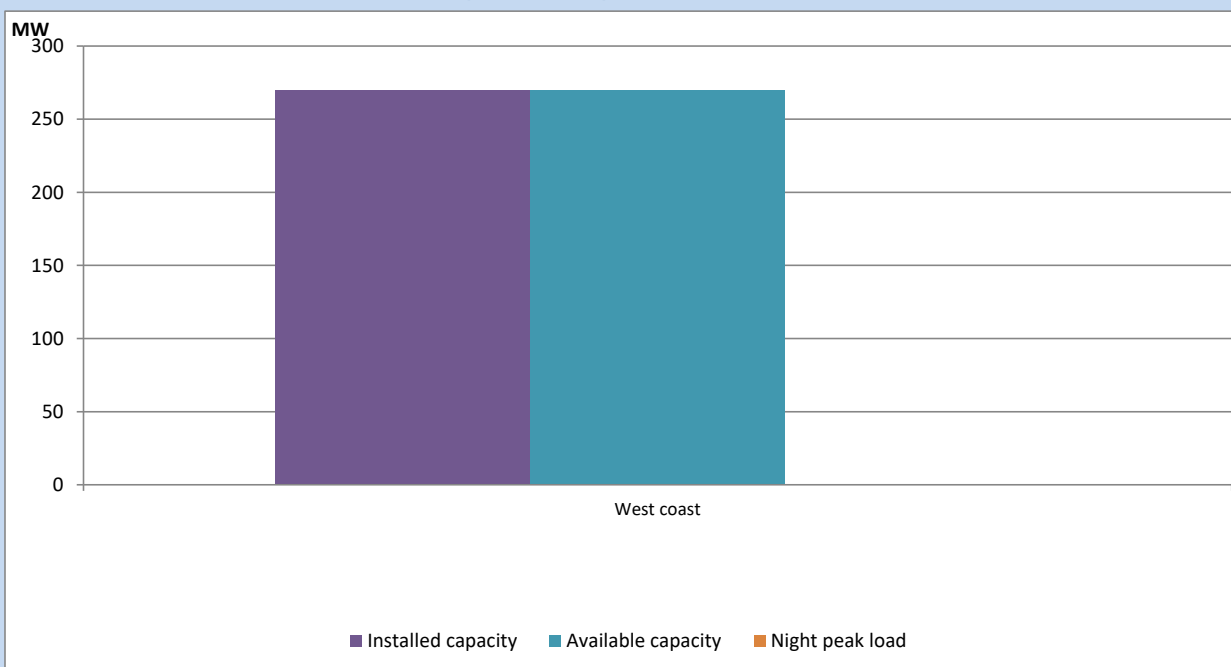
February 4, 2023



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

February 5, 2023

## IPP owned Thermal Plant Loading at the Night Peak

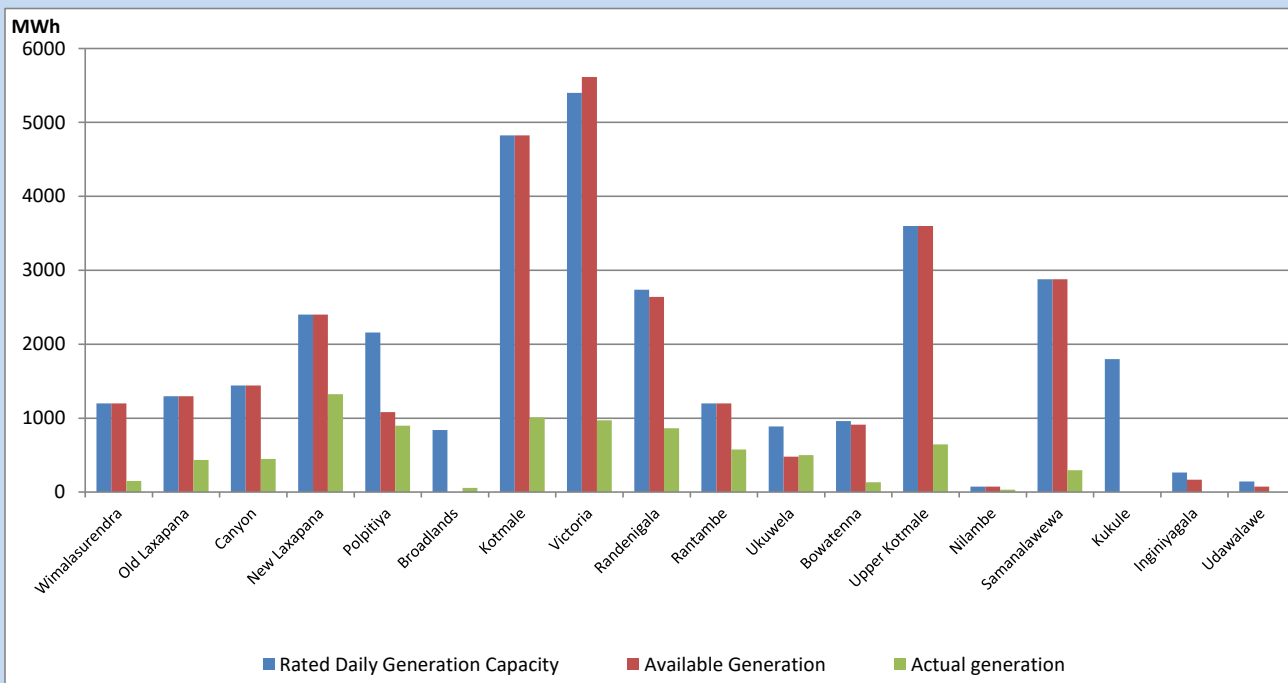


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

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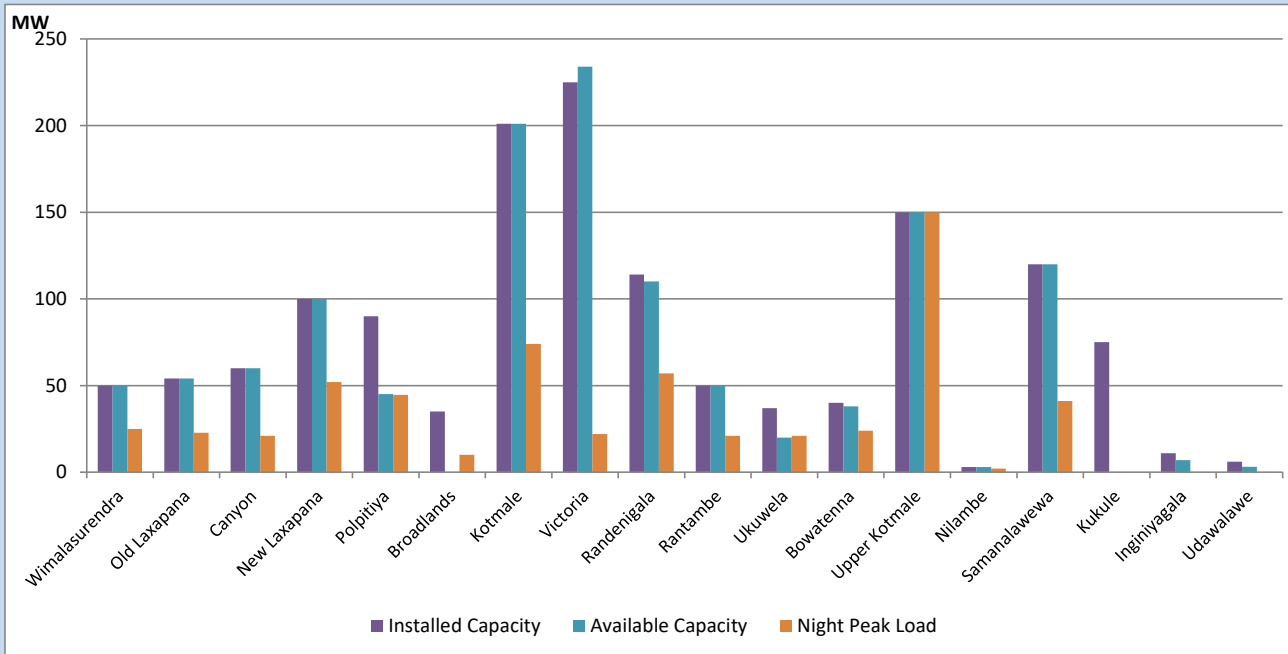


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 5, 2023

## Major Hydro Plant Loading at Night Peak

February 4, 2023



Note- Plant availability is recorded at 6.00 am on

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Broadlands power plant is operating in the Commissioning Stage

## Summary of Major Plant performance

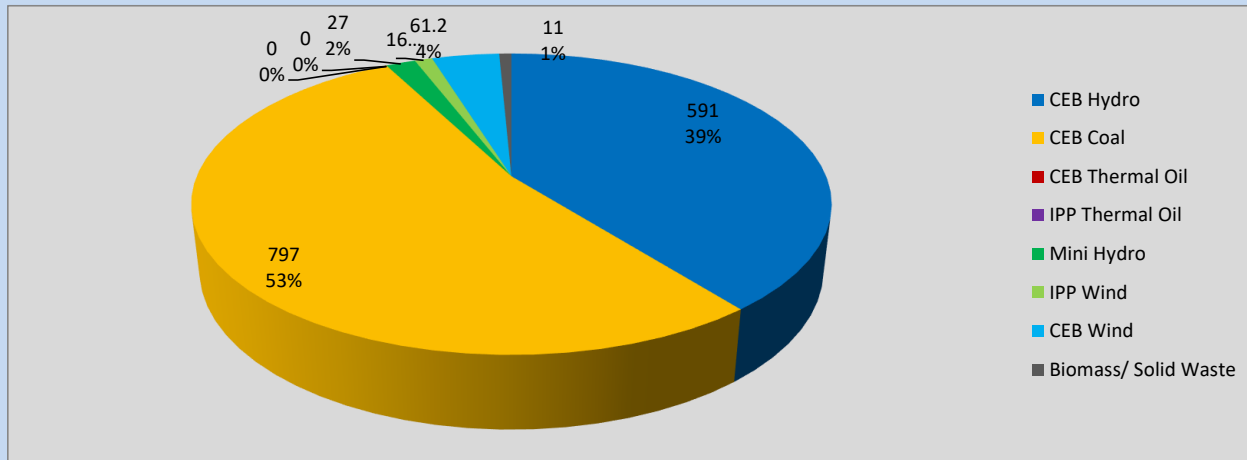
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	149
Old Laxapana	54	54	23	433
Canyon	60	60	21	447
New Laxapana	100	100	52	1,323
Polpitiya	90	45	45	899
Broadlands	35	0	10	57
Kotmale	201	201	74	1,010
Victoria	225	234	22	970
Randenigala	114	110	57	865
Rantambe	50	50	21	577
Ukuwela	37	20	21	500
Bowatenna	40	38	24	132
Upper Kotmale	150	150	150	645
Nilambe	3	3	2	32
Samanalawewa	120	120	41	295
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	266	5,975
Puttalam Coal II	270	270	269	6,226
Puttalam Coal III	270	270	262	6,240
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	0	58
Sapugaskanda A	70	32	0	0
Sapugaskanda B	70	63	0	0
Uthura Janani	26	16	0	0
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>2,754</b>	<b>1,500</b>	<b>29,498</b>

Plant availability is the availability recorded at 6 am on

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## Contribution to the Night Peak in MW

February 4, 2023

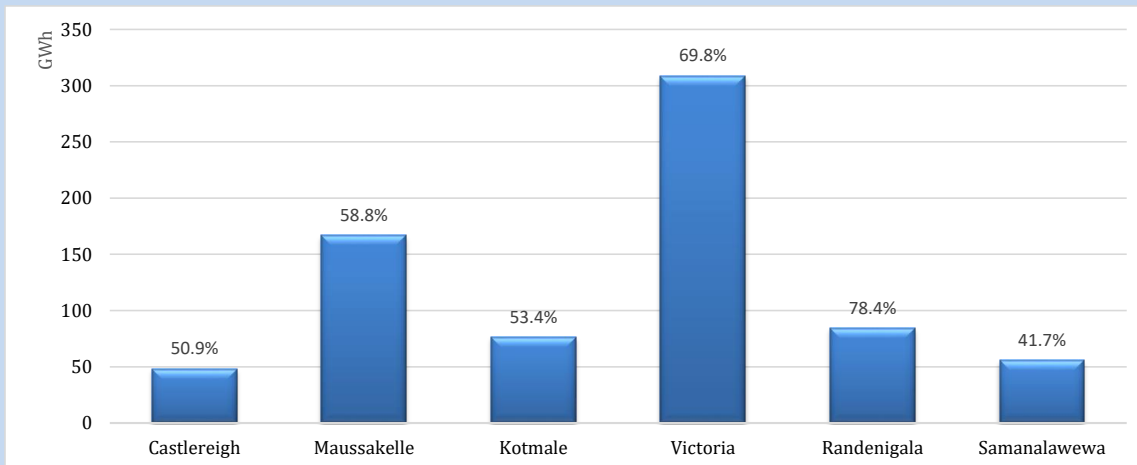


Night Peak*	1,502.6 MW
Day Peak	1,230.8 MW
Minimum Demand	1,059.6 MW

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

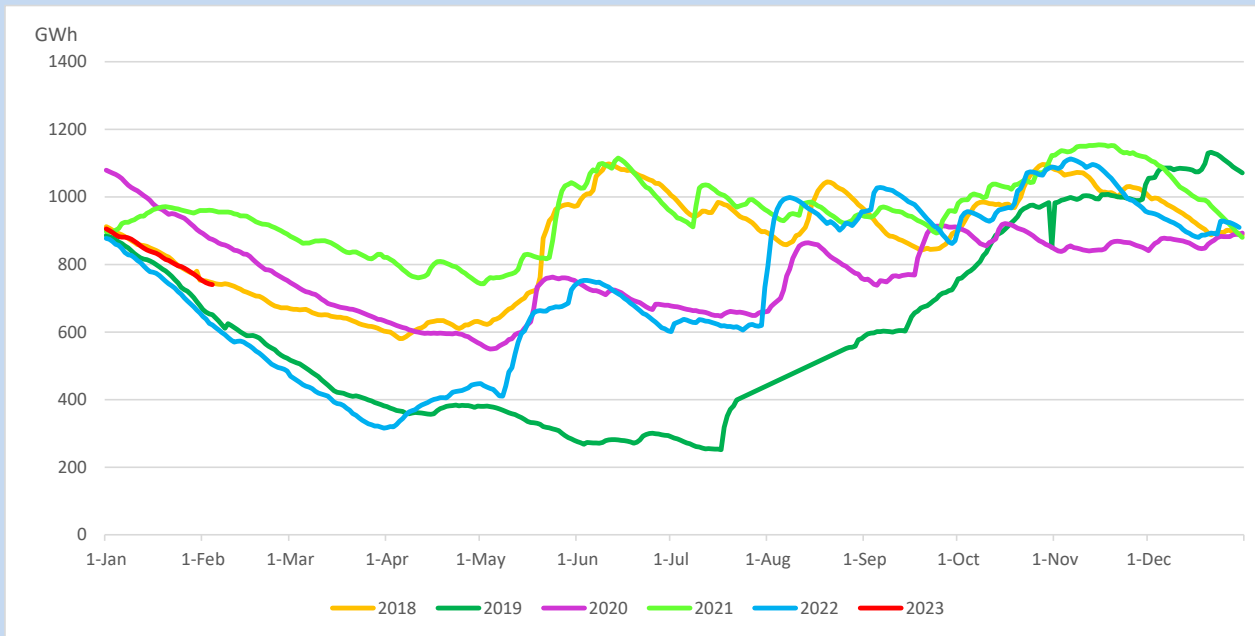
## Reservoir Levels -

as at 06.00 Hr on February 5, 2023

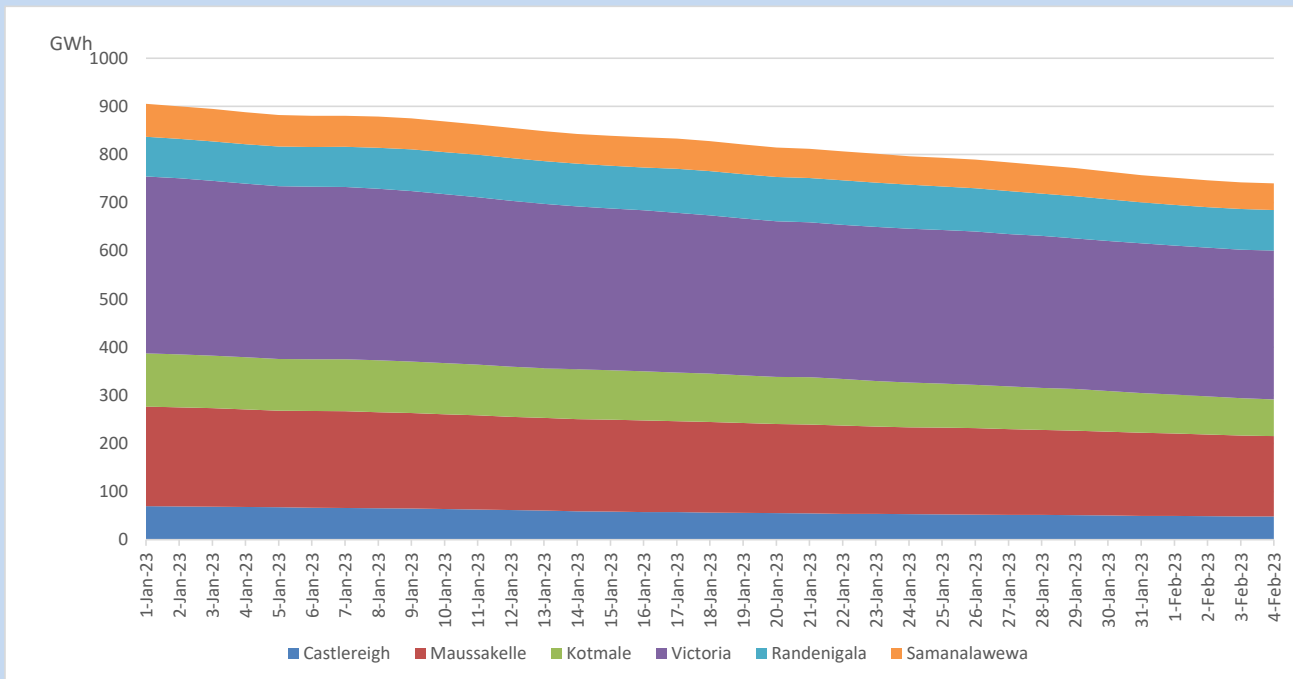


Total Reservoir Level	740.2 GWh
% of Total capacity	61.4%

## Comparison of Total Reservoir Storage Levels with Past Years

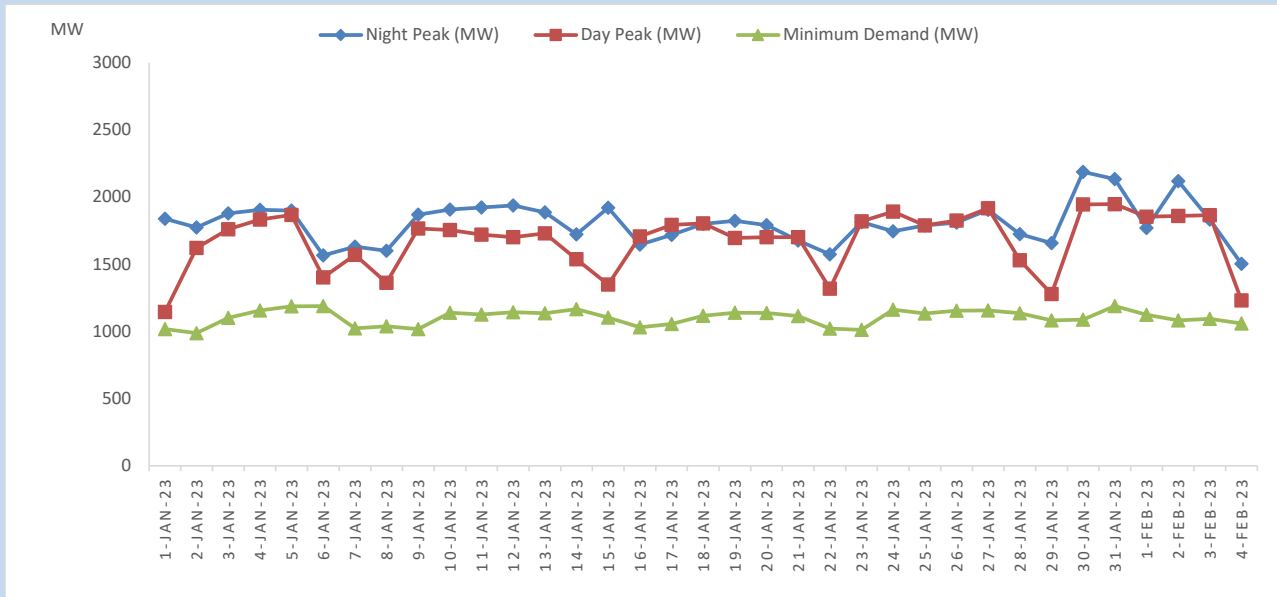


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

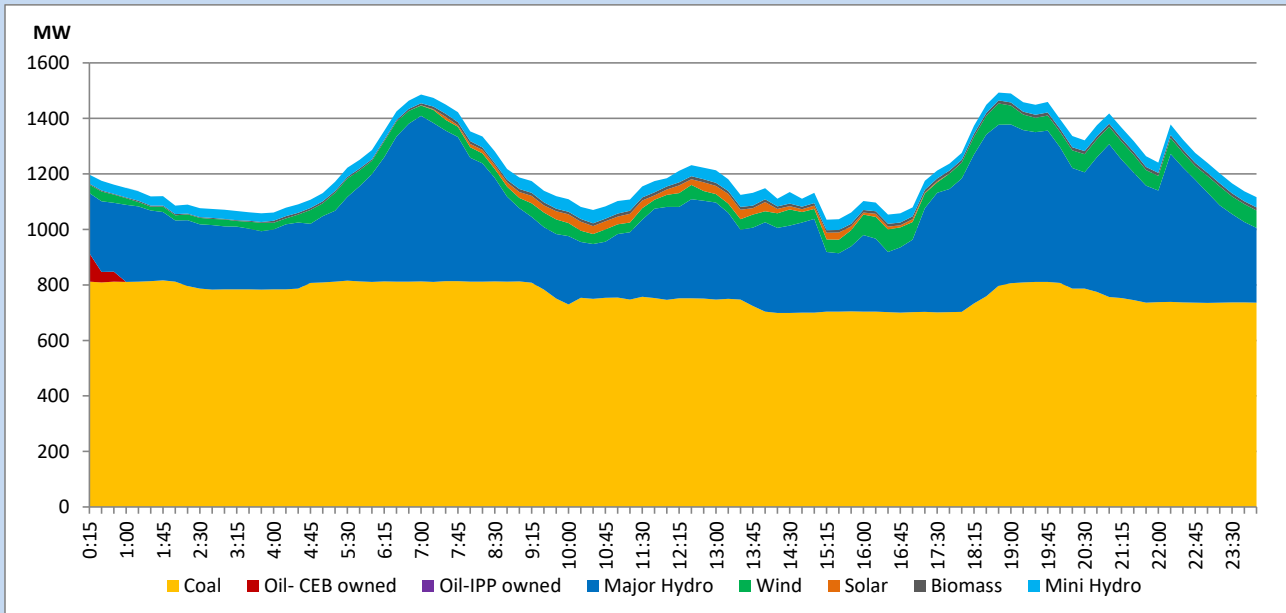


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

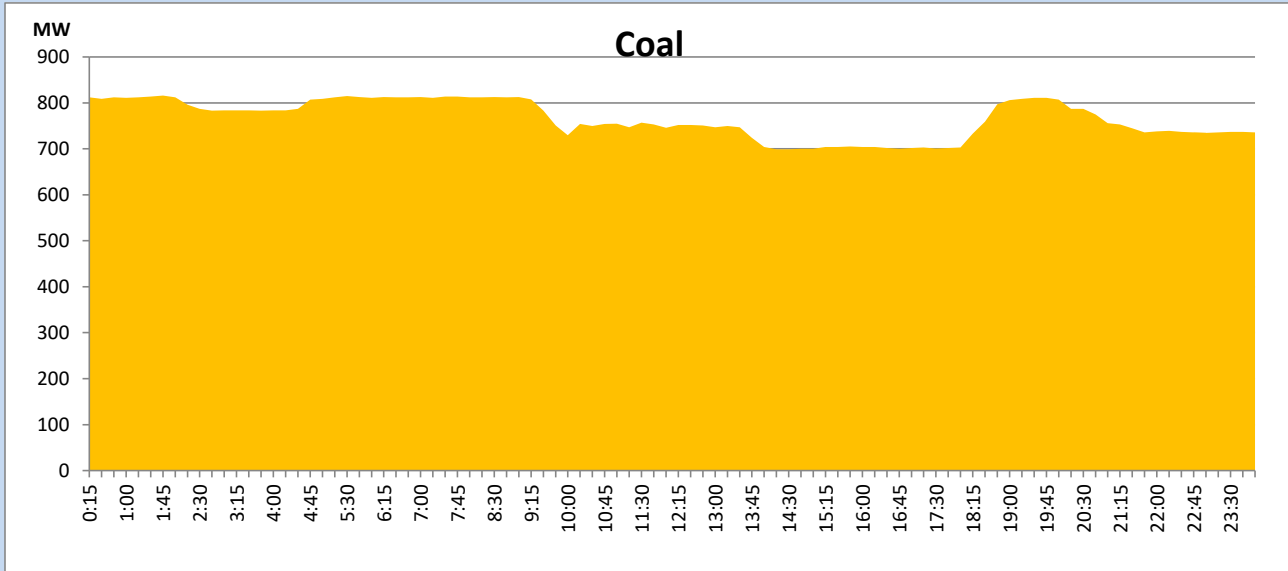
February 4, 2023

Solar and wind data is based on Telemetered Power Stations only



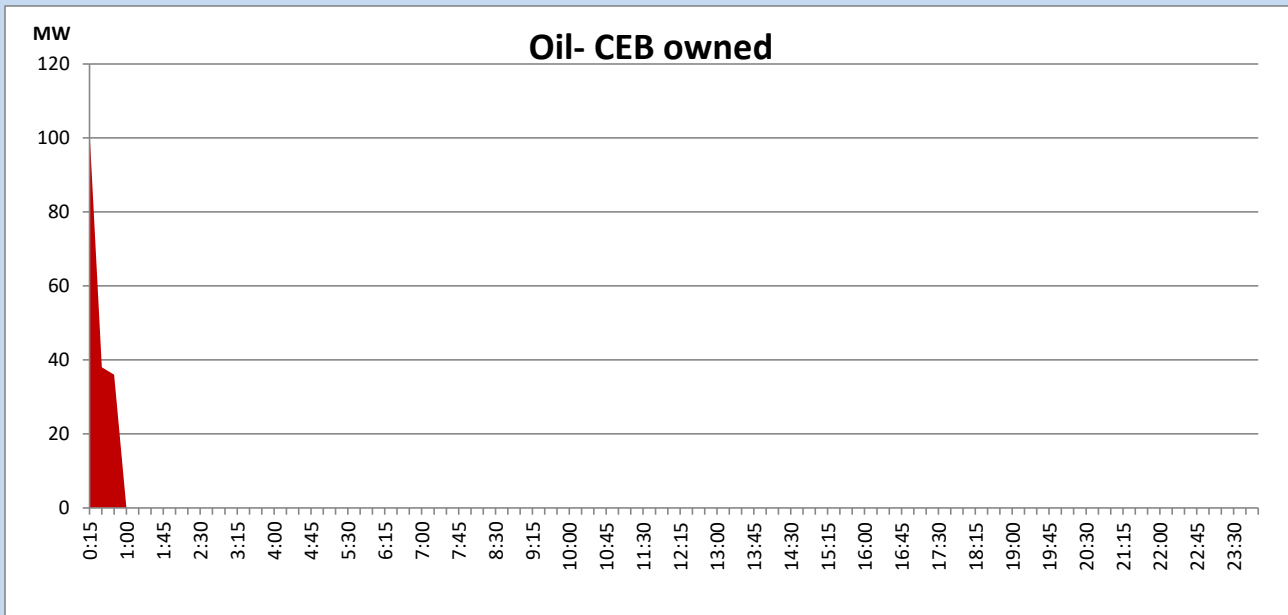
## Coal Generation during

February 4, 2023



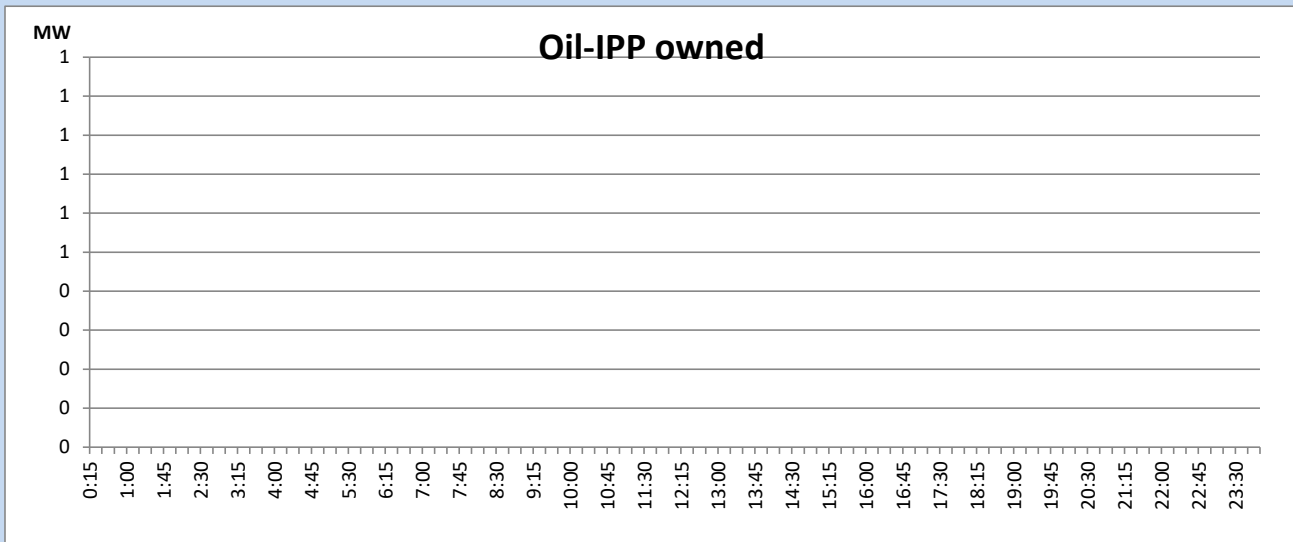
## CEB Oil Plant Generation during

February 4, 2023



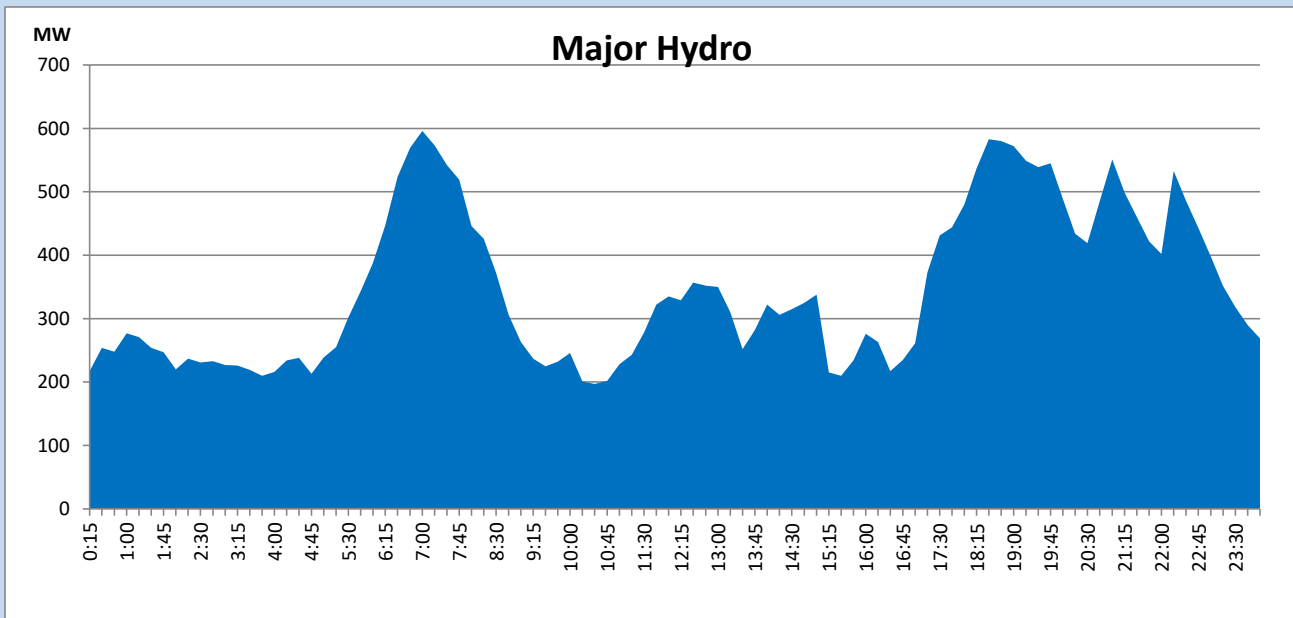
IPP Oil Plant Generation during

February 4, 2023



Major Hydro Generation during

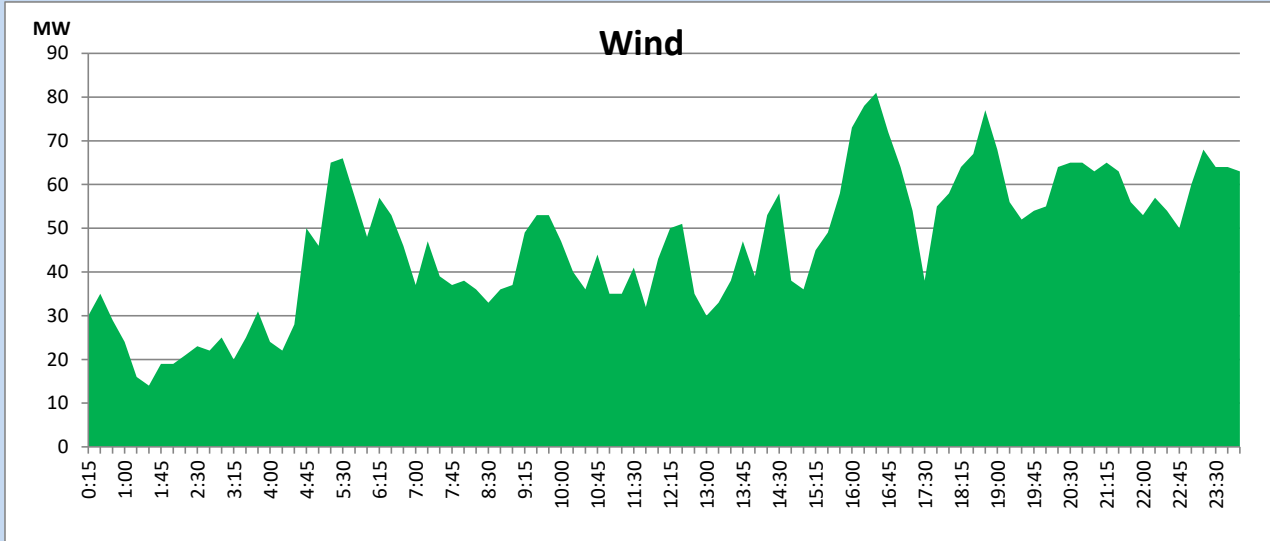
February 4, 2023



## Wind Generation during

February 4, 2023

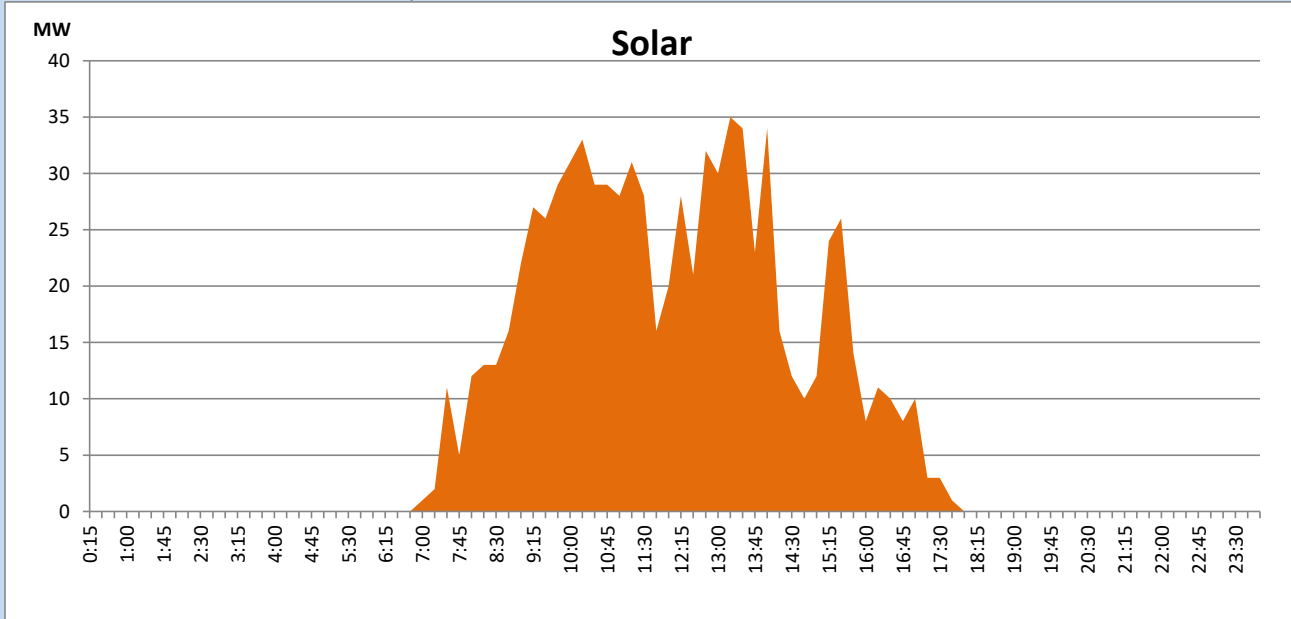
Based on Telemetered Power Stations only



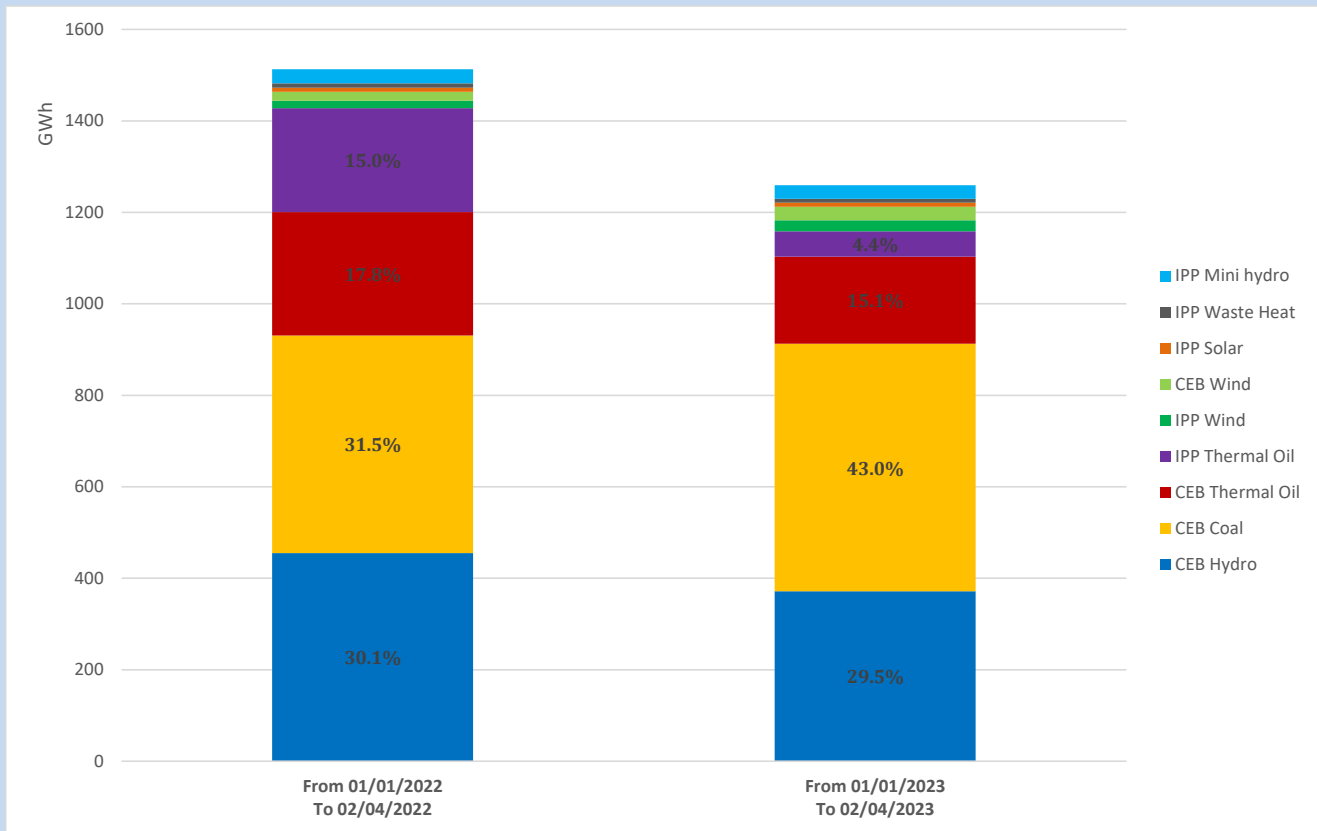
## Solar Generation during

February 4, 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 4, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.