

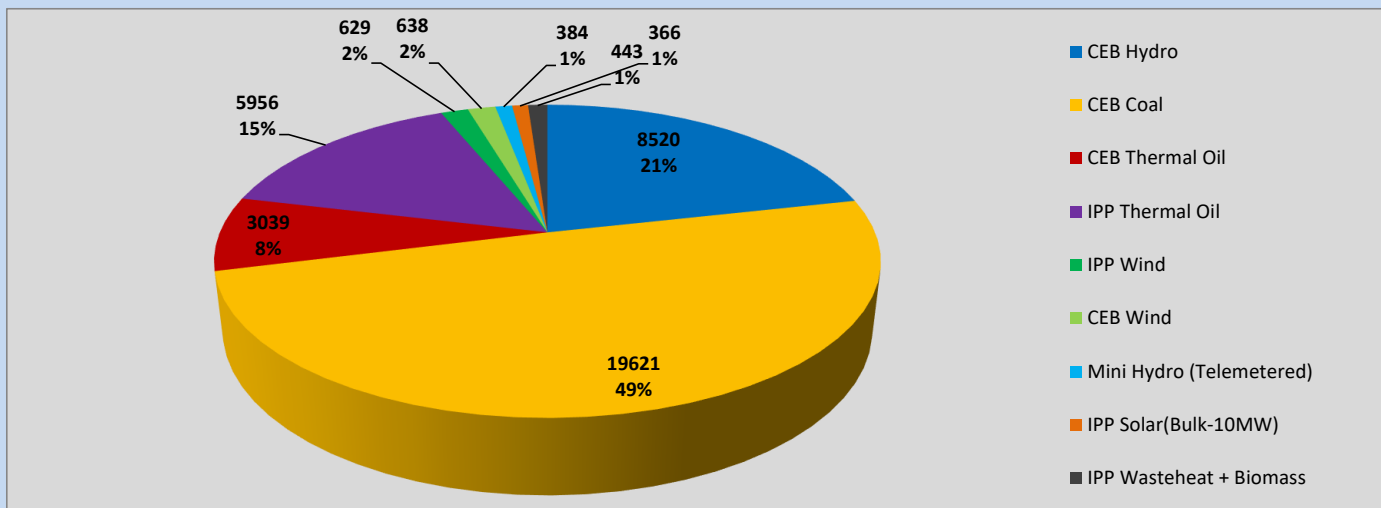
# Generation and Reservoirs Statistics

February 22, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

39,596 MWh

### Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh  
 Estimated Mini Hydro (Non telemetered) = 1496 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

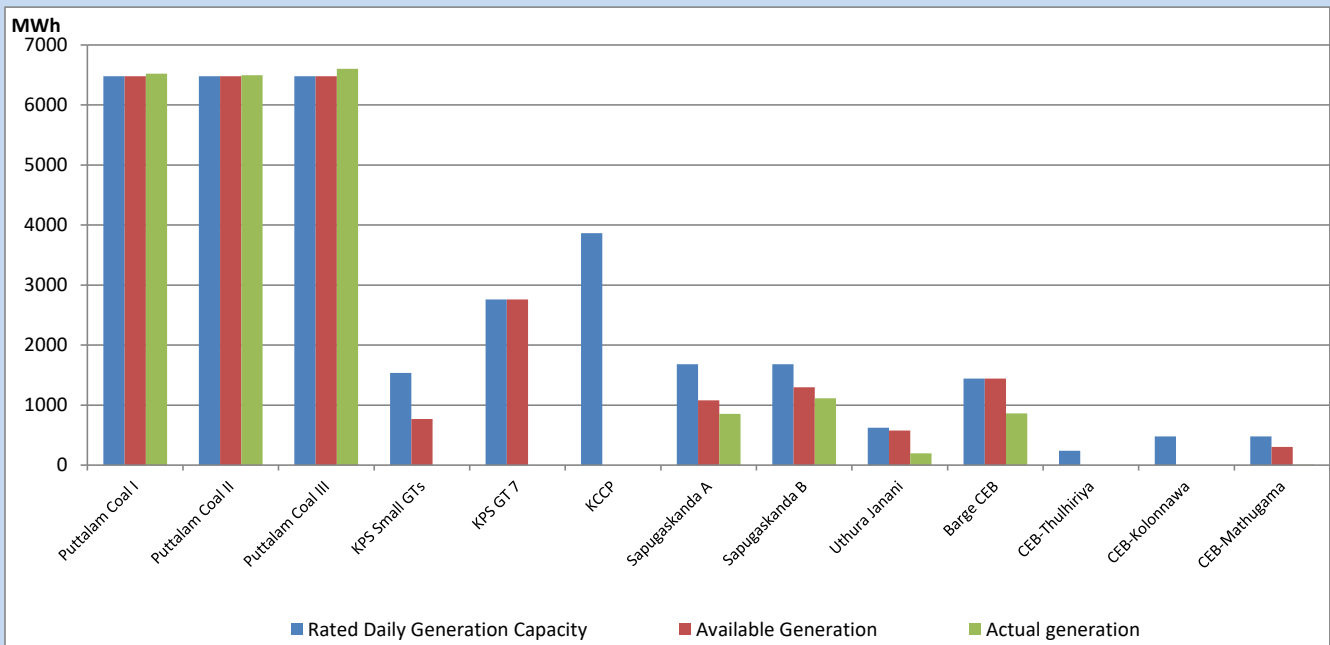
Category	Dispatch (GWh)	Percentage
CEB Hydro	220	26.45%
CEB Coal	421	50.76%
CEB Thermal Oil	84	10.10%
IPP Thermal	49	5.96%
SPP Wind	12	1.50%
CEB Wind	15	1.79%
Mini Hydro (Telemetered)	15	1.80%
IPP Solar (Bulk-10MW)	6	0.76%
IPP Wasteheat + BMP	7	0.88%
<b>Total</b>	<b>830</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	549	28.25%
CEB Coal	888	45.68%
CEB Thermal Oil	257	13.20%
IPP Thermal	105	5.41%
SPP Wind	33	1.72%
CEB Wind	40	2.06%
Mini Hydro (Telemetered)	42	2.16%
IPP Solar (Bulk-10MW)	15	0.75%
IPP Wasteheat	15	0.77%
<b>Total</b>	<b>1,945</b>	

## CEB owned Thermal Plant Dispatch

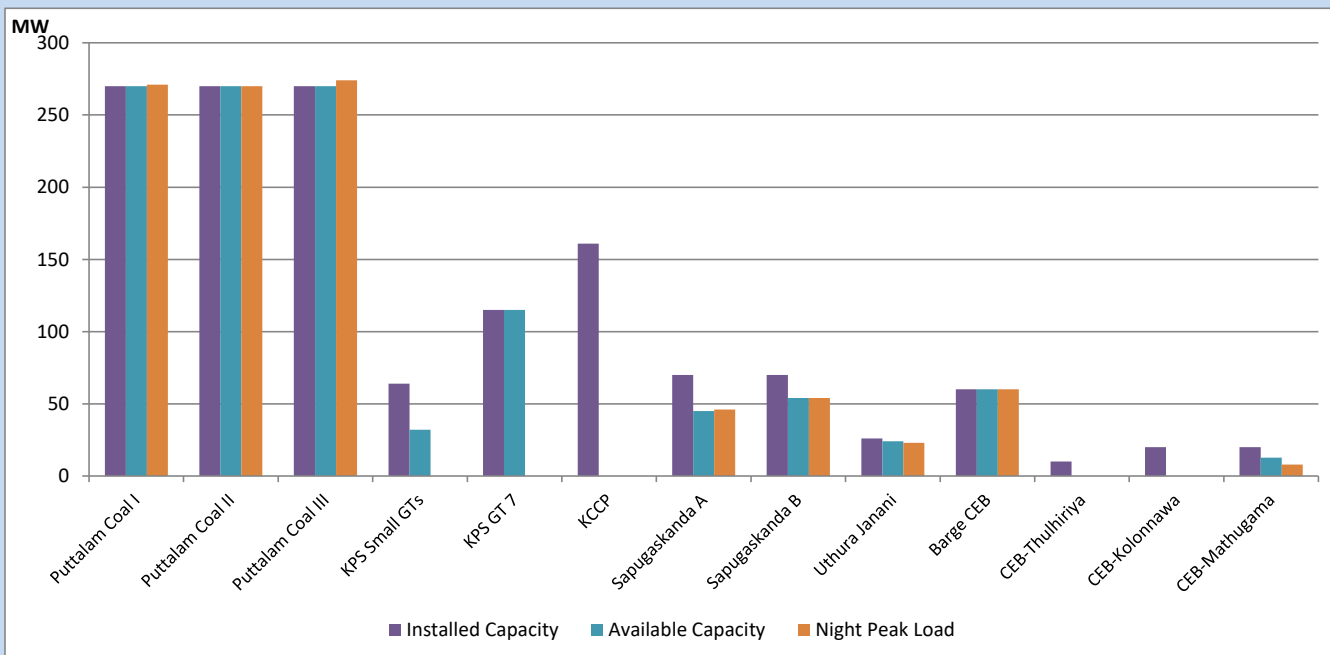
February 22, 2023



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

February 23, 2023

## CEB owned Thermal Plant Loading at the Night Peak

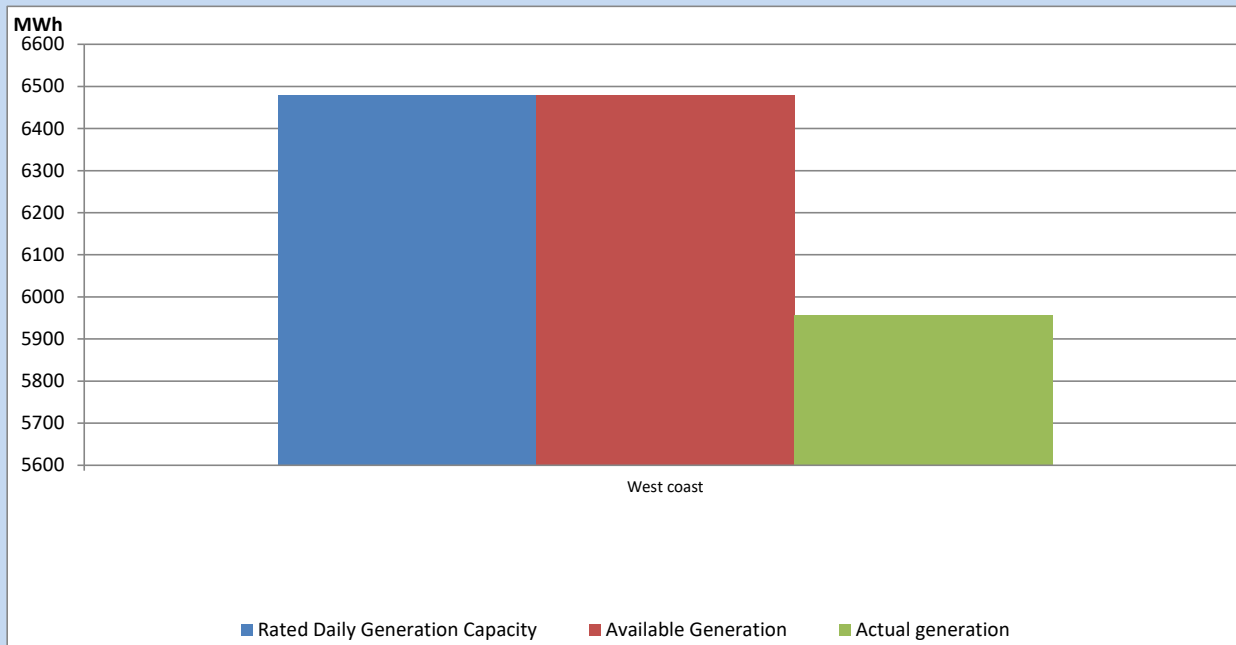


Note- Plant availability is recorded at 6.00 am on

February 23, 2023

## IPP owned Thermal Plant Dispatch

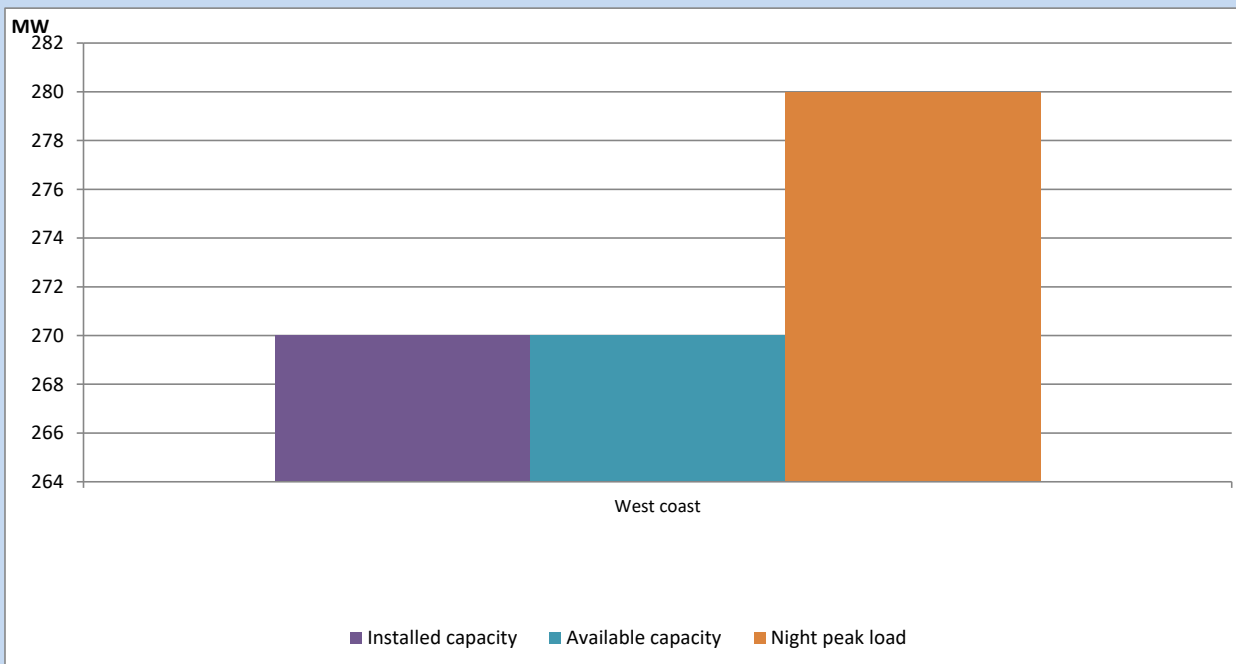
February 22, 2023



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

February 23, 2023

## IPP owned Thermal Plant Loading at the Night Peak

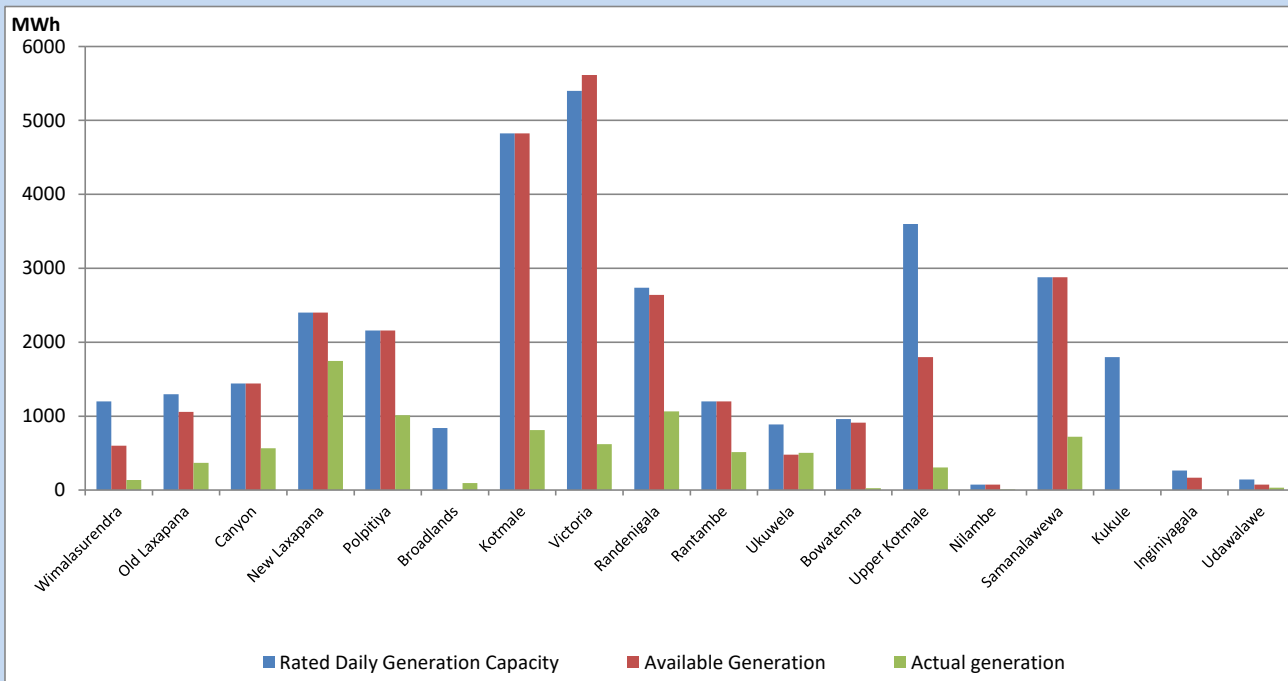


Note- Plant availability is recorded at 6.00 am on

February 23, 2023

## Major Hydro Plant Dispatch

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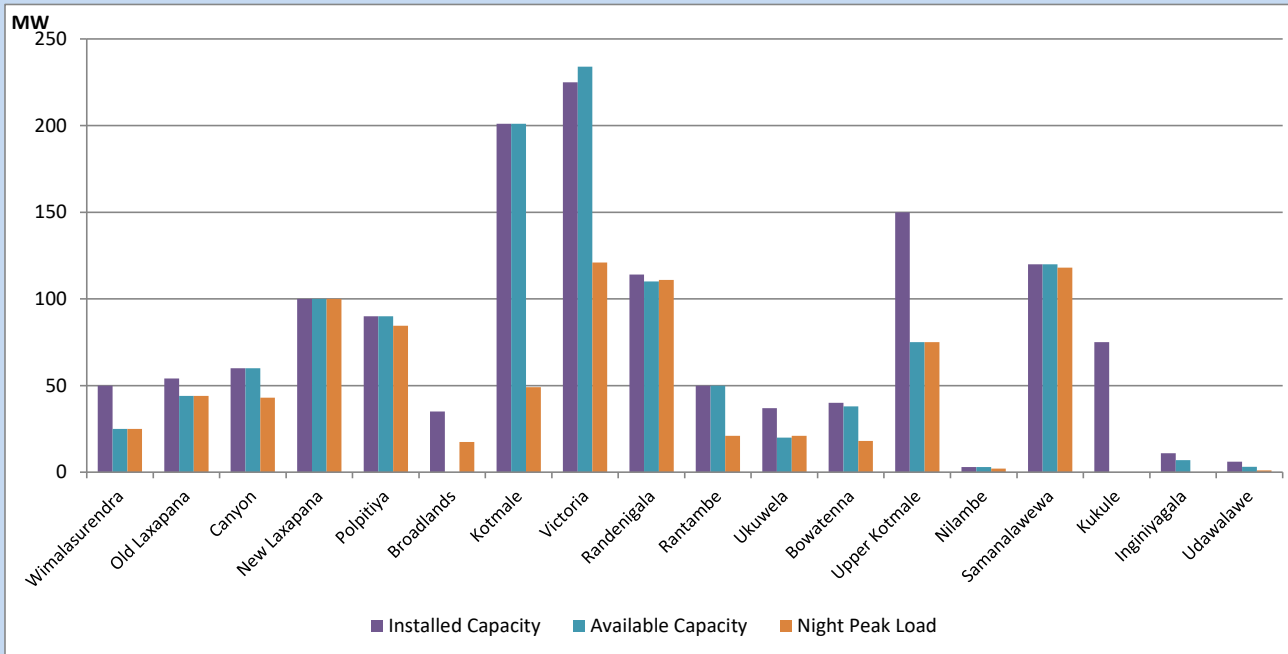


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 23, 2023

## Major Hydro Plant Loading at Night Peak

February 22, 2023



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

February 23, 2023

## Summary of Major Plant performance

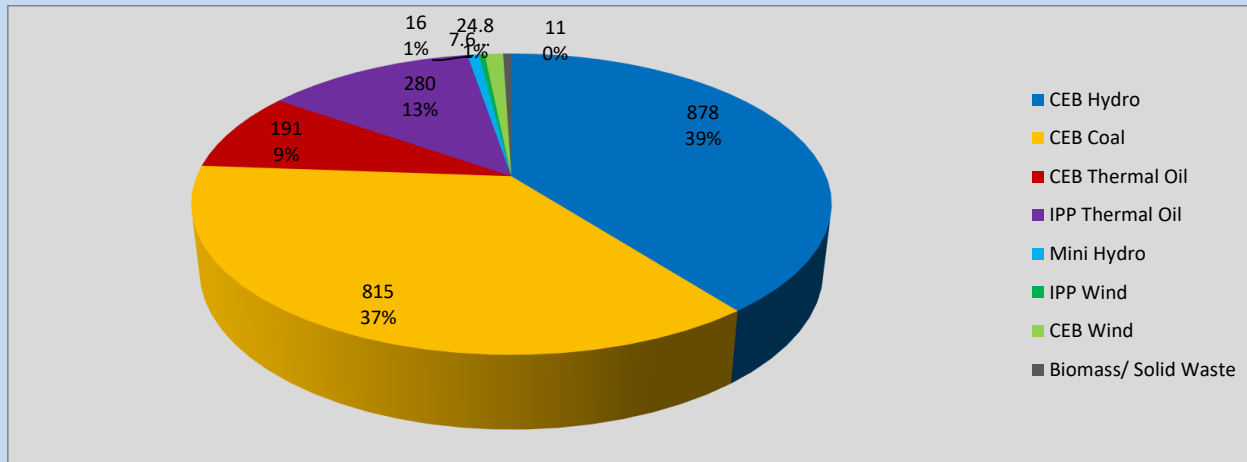
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	135
Old Laxapana	54	44	44	369
Canyon	60	60	43	565
New Laxapana	100	100	100	1,748
Polpitiya	90	90	85	1,012
Broadlands	35	0	17	93
Kotmale	201	201	49	810
Victoria	225	234	121	621
Randenigala	114	110	111	1,063
Rantambe	50	50	21	512
Ukuwela	37	20	21	502
Bowatenna	40	38	18	24
Upper Kotmale	150	75	75	305
Nilambe	3	3	2	9
Samanalawewa	120	120	118	720
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	32
Puttalam Coal I	270	270	271	6,523
Puttalam Coal II	270	270	270	6,496
Puttalam Coal III	270	270	274	6,602
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	46	854
Sapugaskanda B	70	54	54	1,115
Uthura Janani	26	24	23	198
Barge CEB	60	60	60	864
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	8	8
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	280	5,956
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,483</b>	<b>2,603</b>	<b>2,196</b>	<b>39,596</b>

Plant availability is the availability recorded at 6 am on

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## Contribution to the Night Peak in MW

February 22, 2023

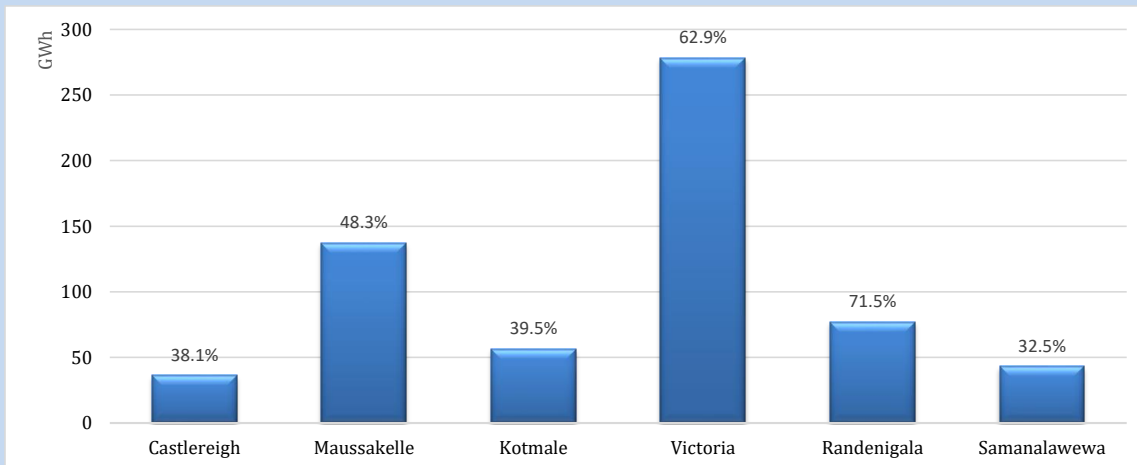


Night Peak*	2,223 MW
Day Peak	1,792 MW
Minimum Demand	1,215 MW

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

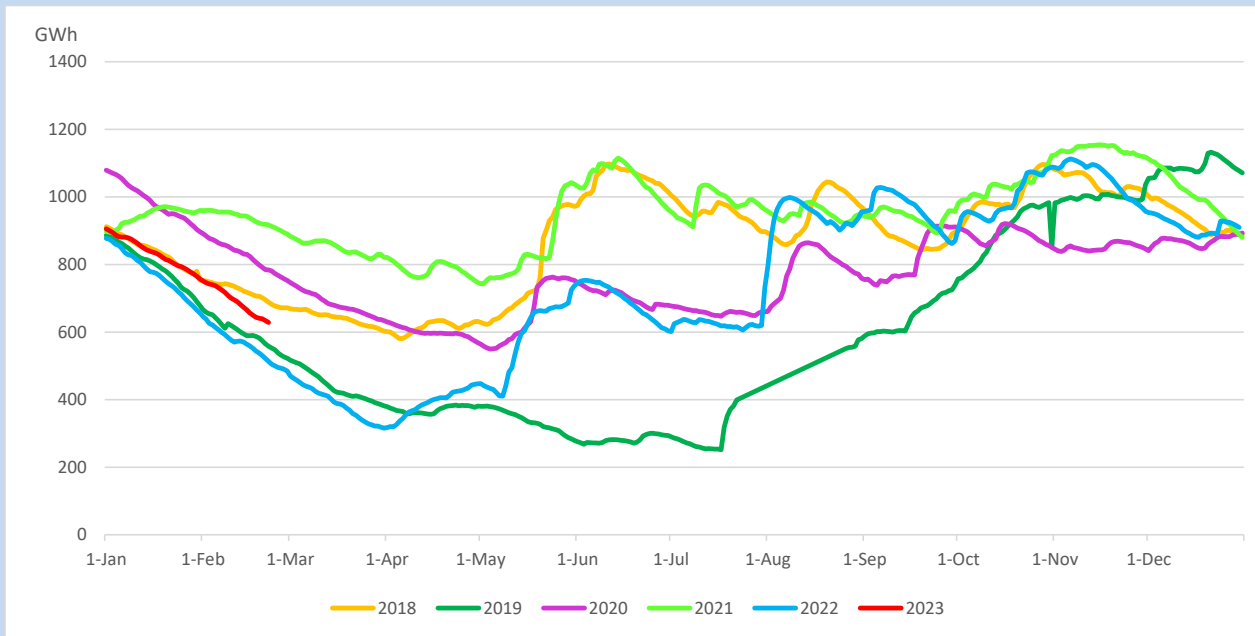
## Reservoir Levels -

as at 06.00 Hr on February 23, 2023

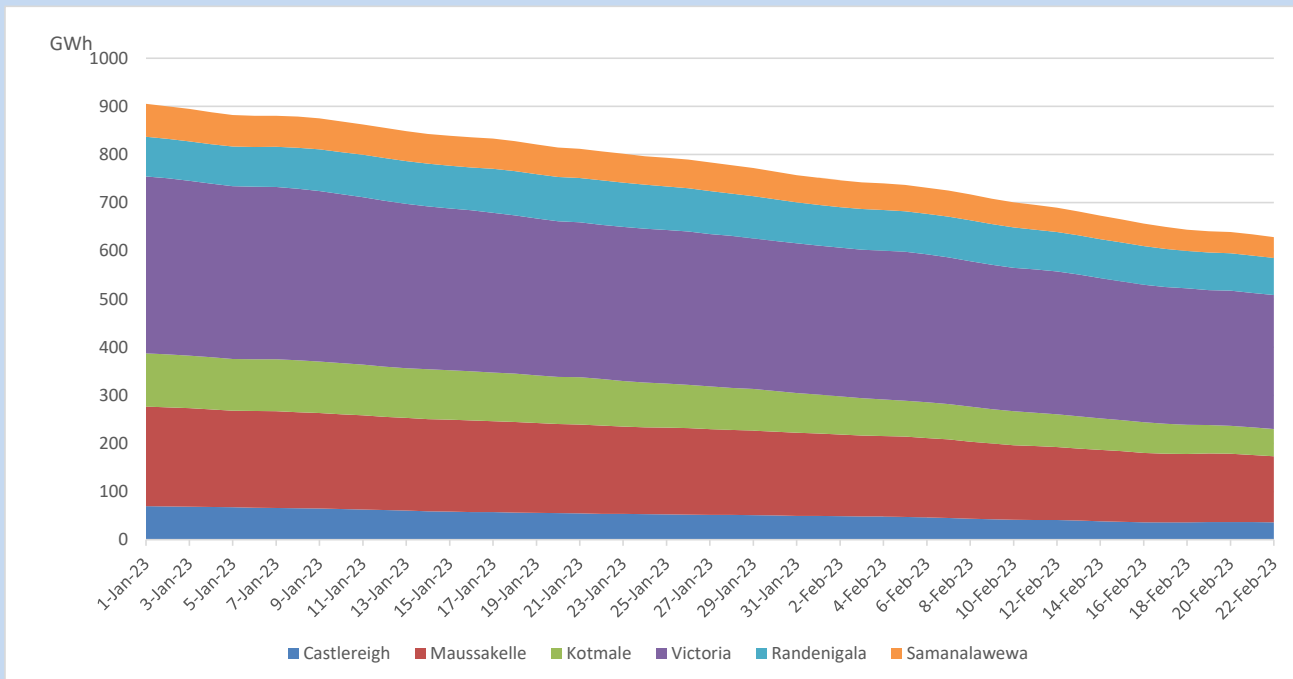


Total Reservoir Level	628.4 GWh
% of Total capacity	52.1%

## Comparison of Total Reservoir Storage Levels with Past Years

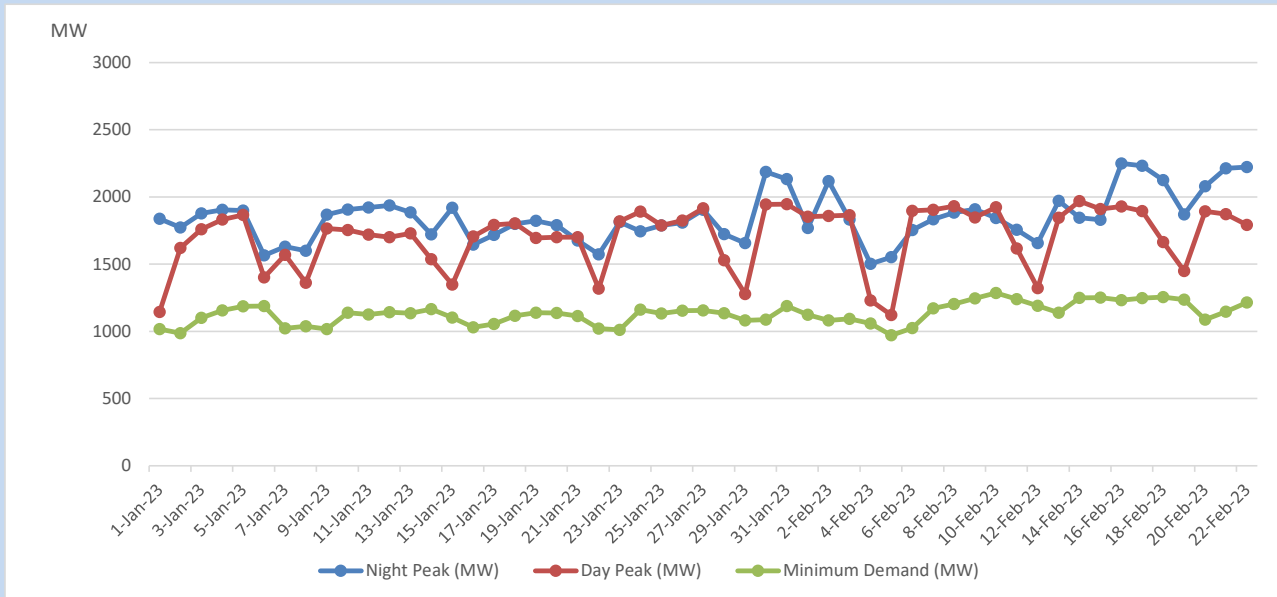


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

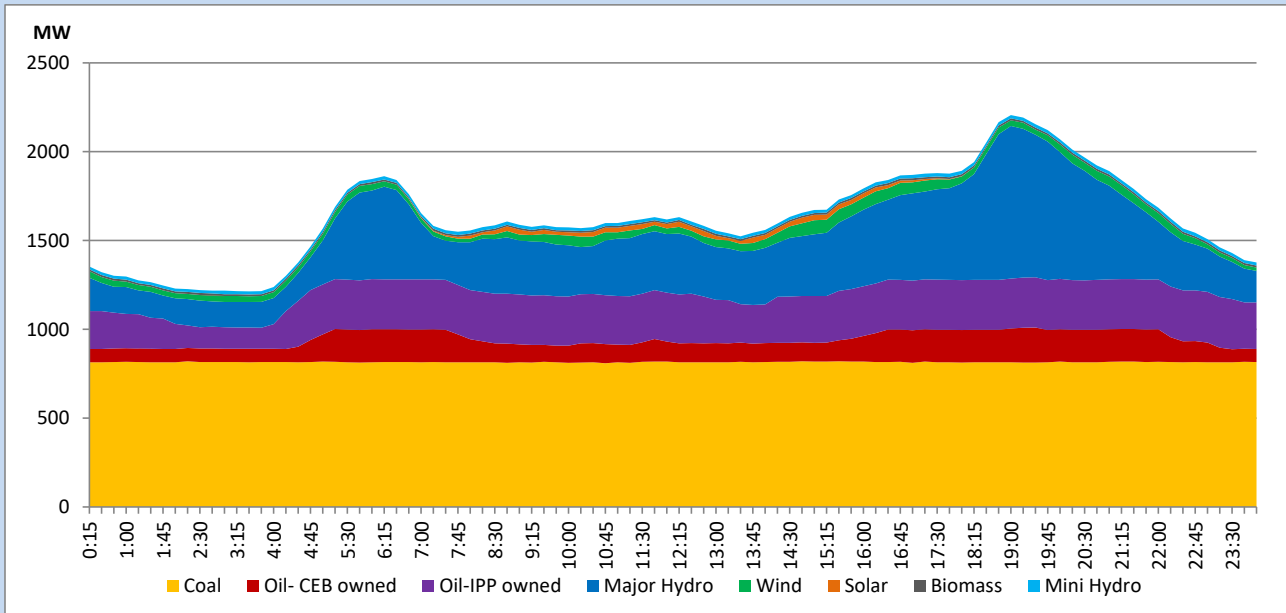


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve

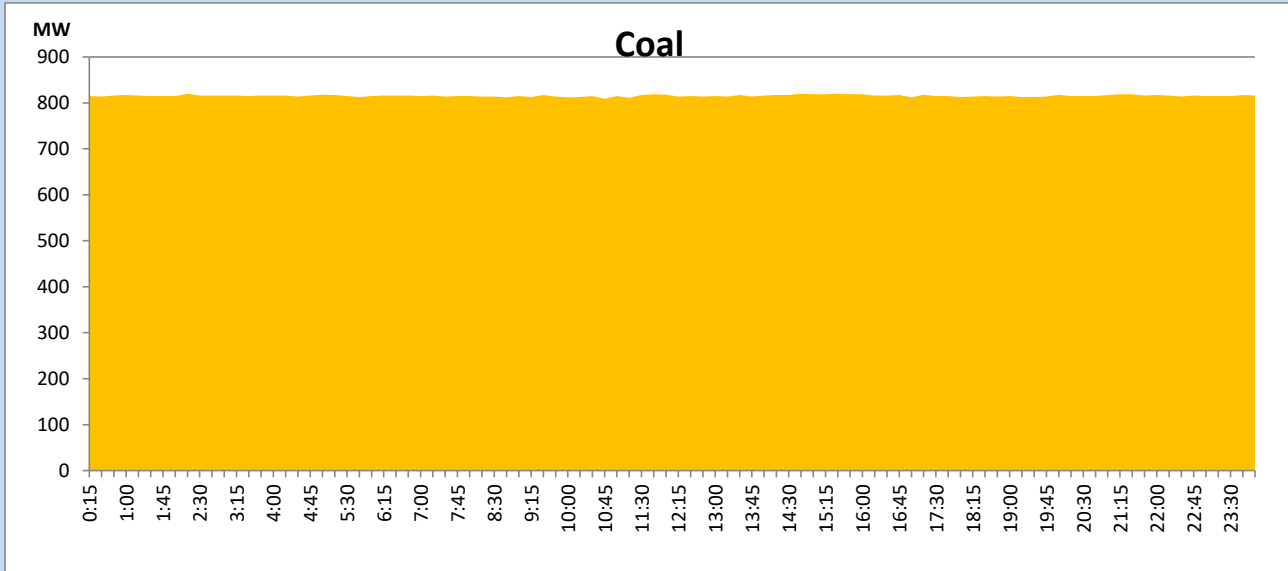
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Solar and wind data is based on Telemetered Power Stations only



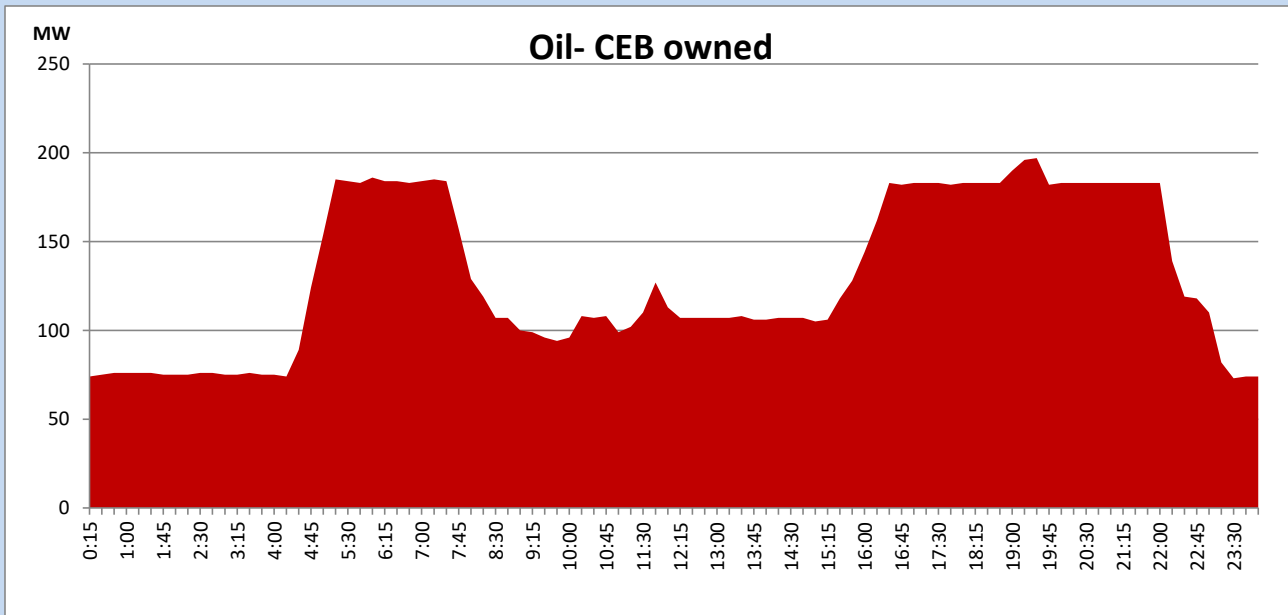
## Coal Generation during

February 22, 2023



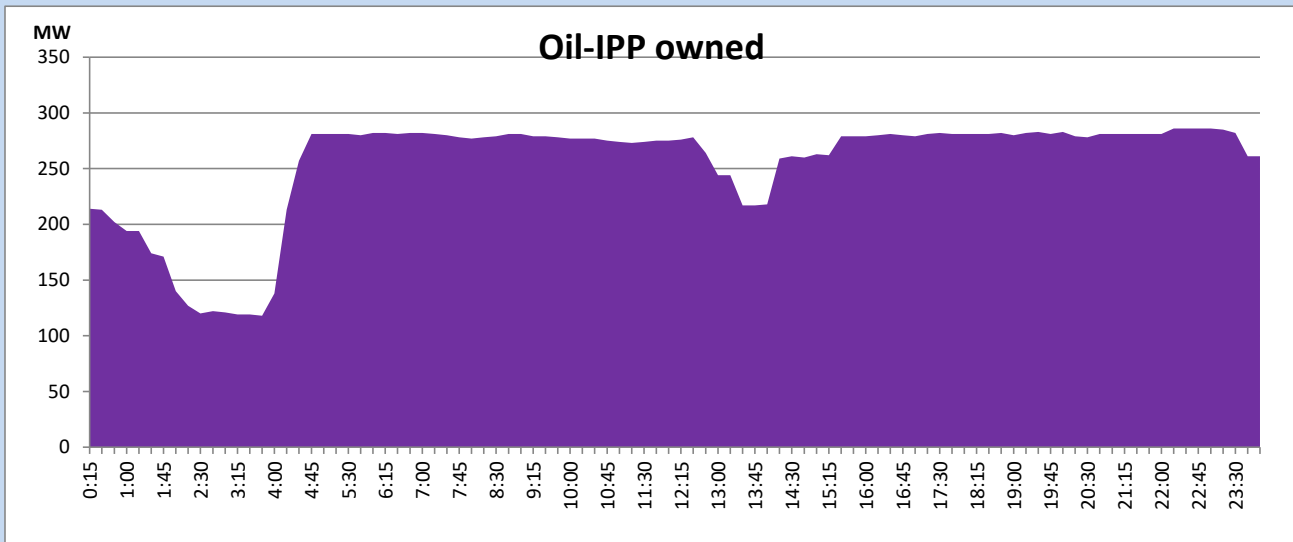
## CEB Oil Plant Generation during

February 22, 2023



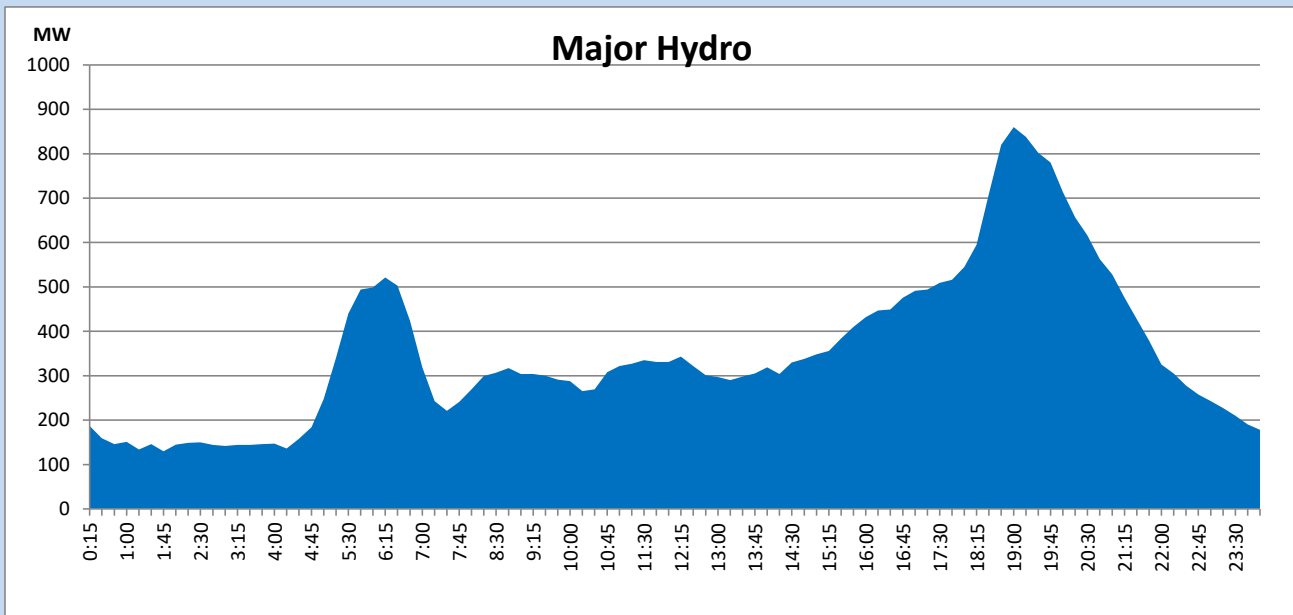
## IPP Oil Plant Generation during

February 22, 2023



## Major Hydro Generation during

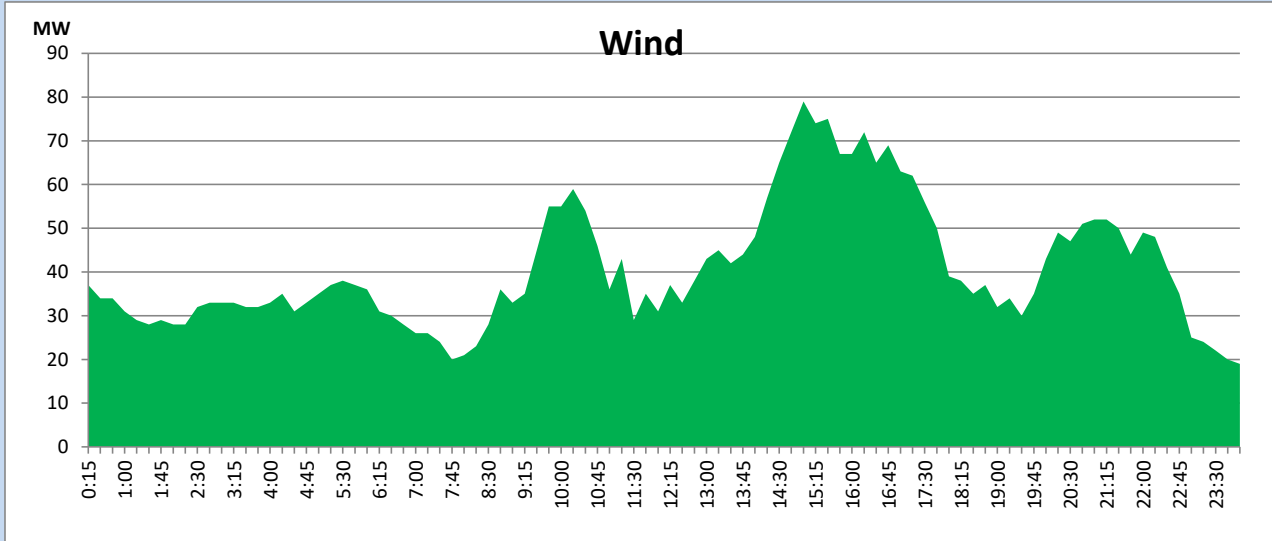
February 22, 2023



## Wind Generation during

February 22, 2023

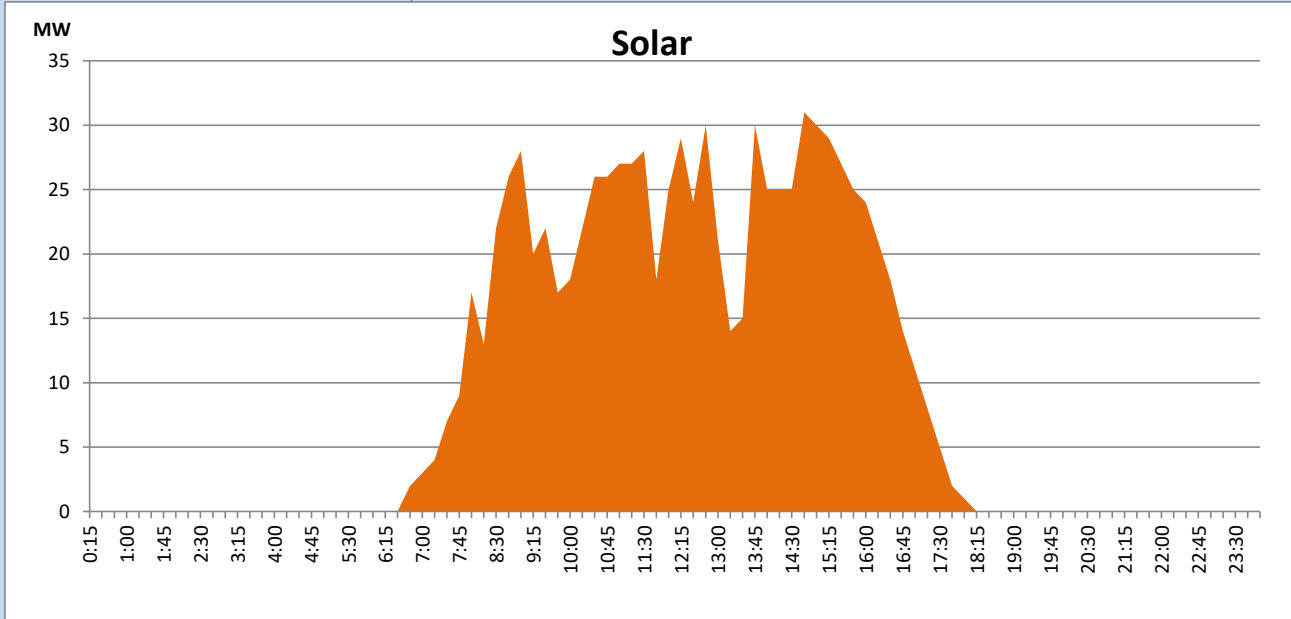
Based on Telemetered Power Stations only



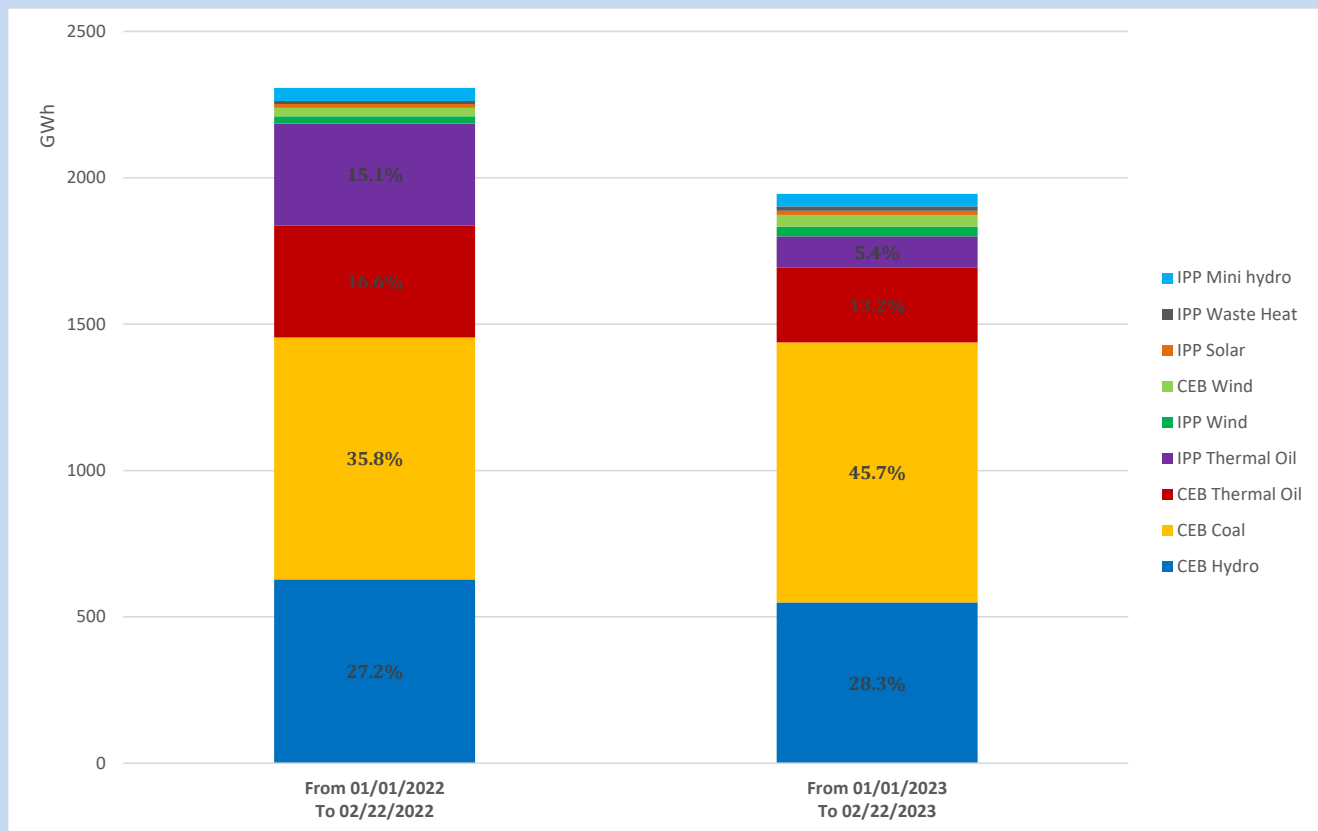
## Solar Generation during

February 22, 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 22, 2023

- 1). Kappalthurai 132/33kV T/F 02 tripped at 3:07hrs from both ends without any indication. Kappalthurai T/F 02 is yet to be restored.