

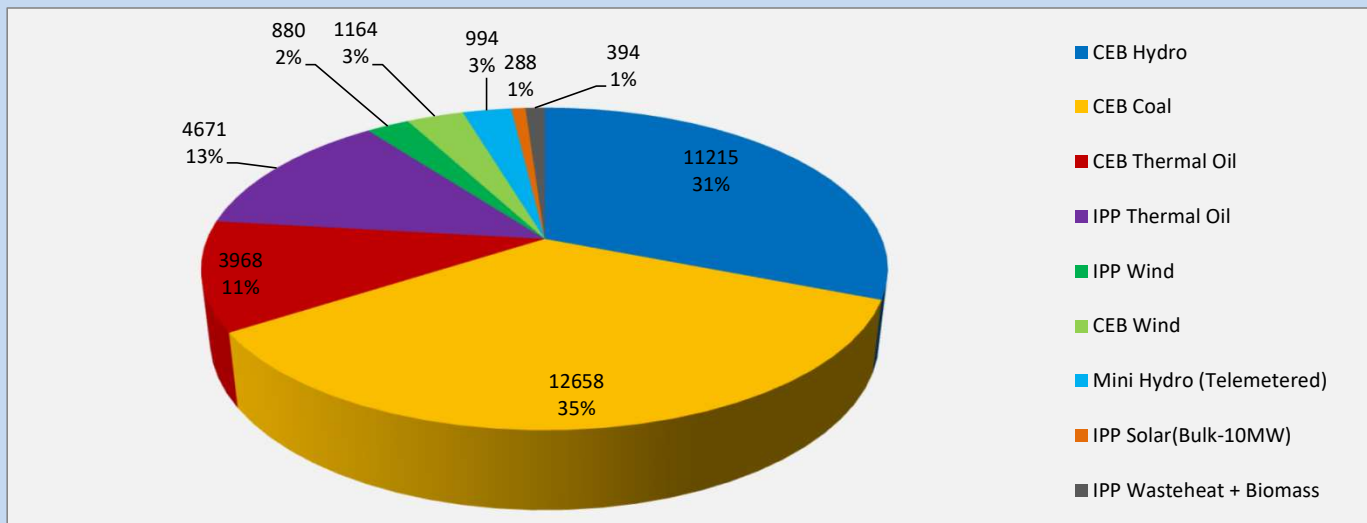
# Generation and Reservoirs Statistics

January 9, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



Total Generation (Excluding Estimated figures)

36,230 MWh

### Estimated figures of CEB generation report

Estimated unserved energy d= 2.29 GWh

Estimated Mini Hydro (Non telemetered) = 1527 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

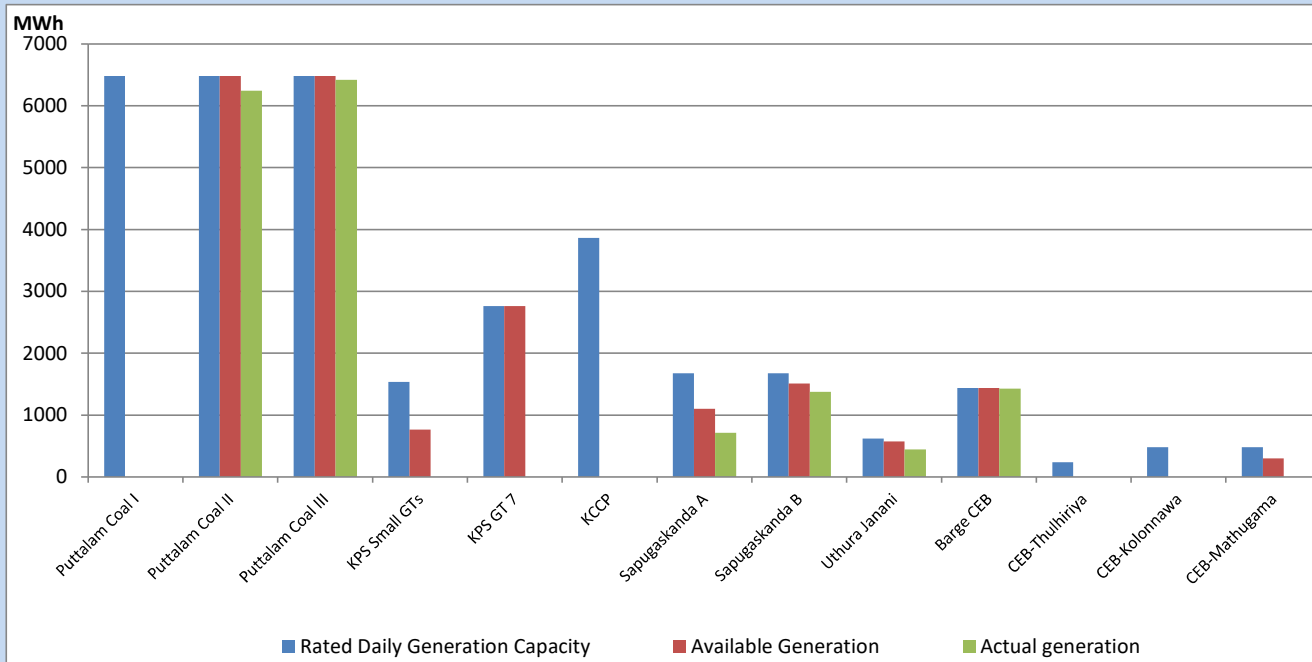
Category	Dispatch (GWh)	
CEB Hydro	98	31.56%
CEB Thermal Oil	34	10.81%
CEB Coal	118	37.81%
IPP Thermal	32	10.25%
SPP Wind	7	2.17%
CEB Wind	9	3.00%
SPP Solar	3	0.83%
SPP Solid Waste	2	0.75%
Mini Hydro (Telemetered)	9	2.80%
<b>Total</b>	<b>311</b>	

### For Current Year

Category	Dispatch (GWh)	
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<b>Total</b>	<b>311</b>	

## CEB owned Thermal Plant Dispatch

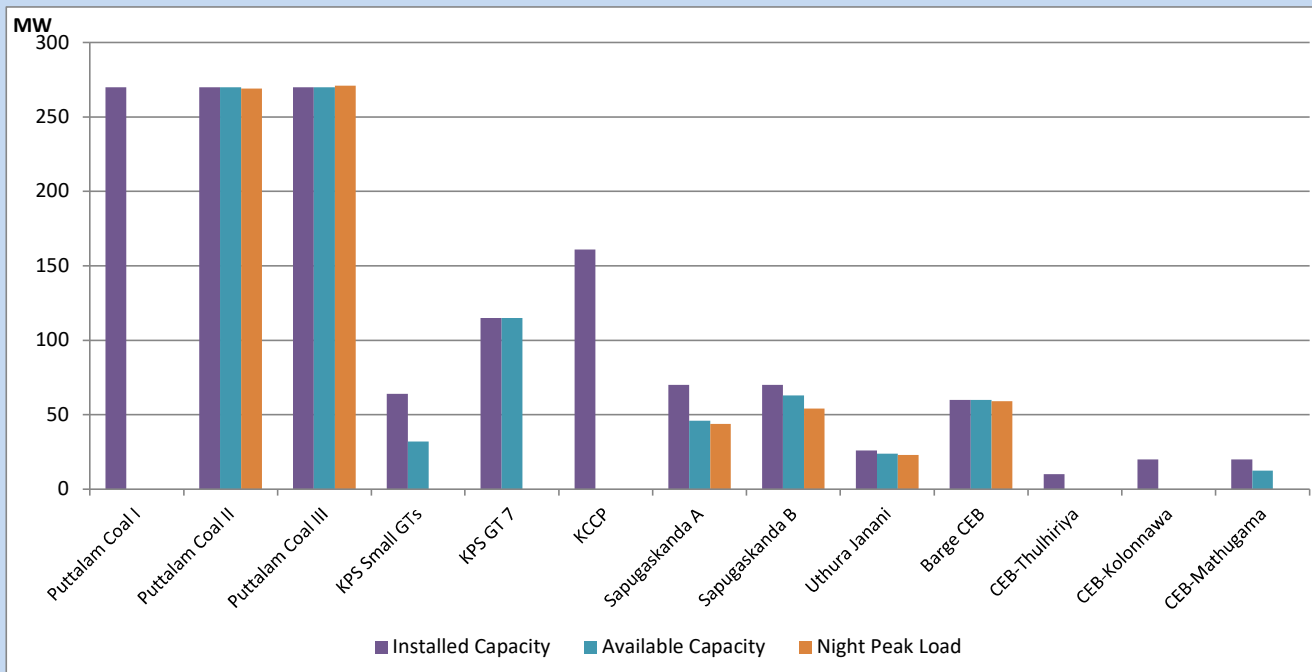
January 9, 2023



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

January 10, 2023

## CEB owned Thermal Plant Loading at the Night Peak



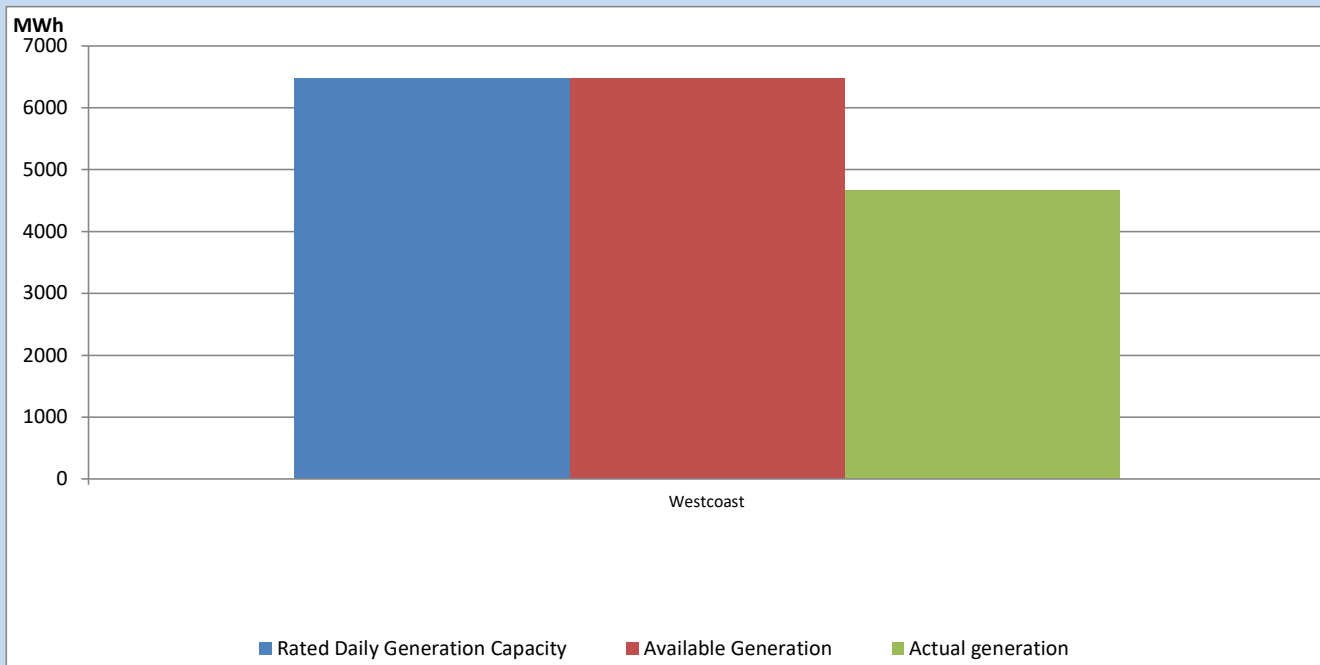
Note- Plant availability is recorded at 6.00 am on

January 10, 2023

## IPP owned Thermal Plant Dispatch

January 9, 2023

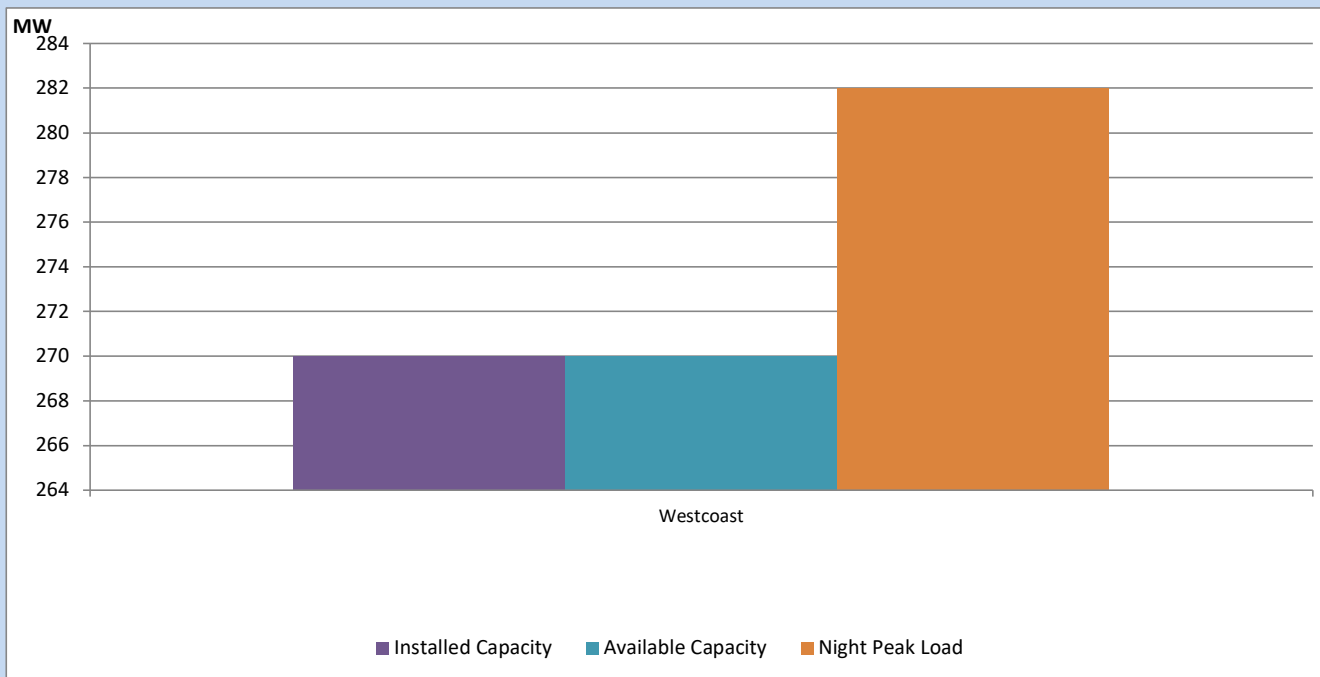
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena, Sogitz Kelanitissa and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

January 10, 2023

## IPP owned Thermal Plant Loading at the Night Peak

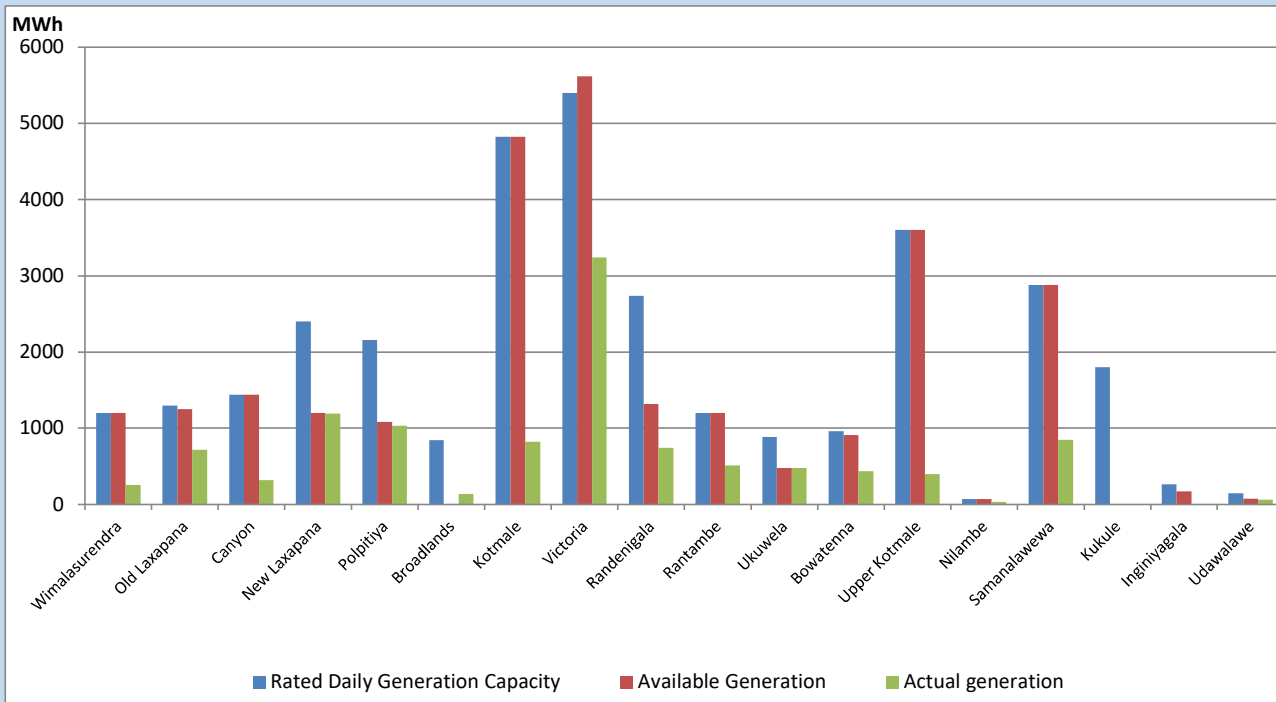


Note- Plant availability is recorded at 6.00 am on

January 10, 2023

## Major Hydro Plant Dispatch

January 9, 2023

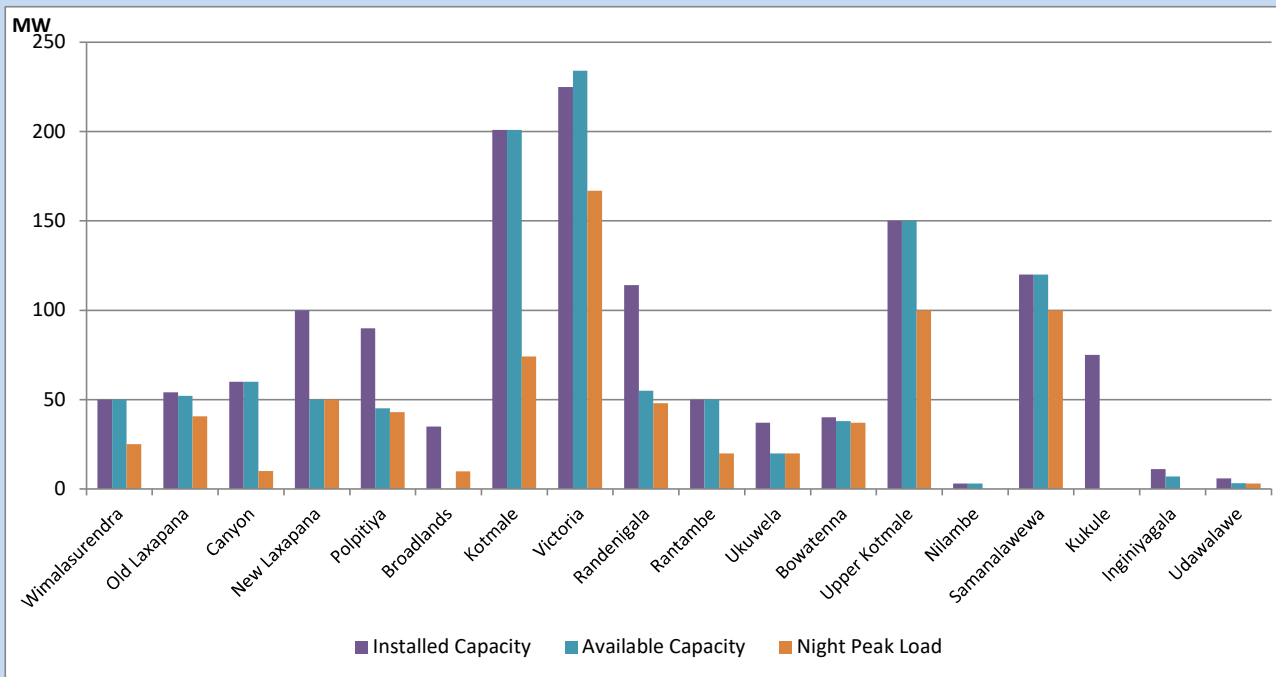


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

January 10, 2023

## Major Hydro Plant Loading at Night Peak

January 9, 2023



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

January 10, 2023

## Summary of Major Plant performance

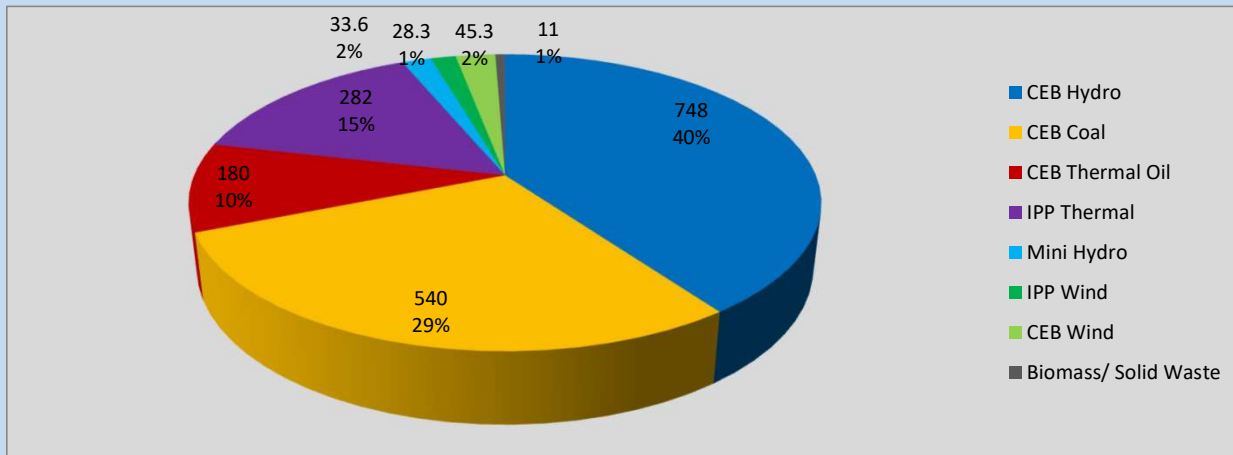
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	257
Old Laxapana	54	52	41	716
Canyon	60	60	10	319
New Laxapana	100	50	50	1,190
Polpitiya	90	45	43	1,034
Broadlands	35	0	10	137
Kotmale	201	201	74	820
Victoria	225	234	167	3,238
Randenigala	114	55	48	745
Rantambe	50	50	20	509
Ukuwela	37	20	20	477
Bowatenna	40	38	37	435
Upper Kotmale	150	150	100	400
Nilambe	3	3	0	32
Samanalawewa	120	120	100	847
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	3	59
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,243
Puttalam Coal III	270	270	271	6,415
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	46	44	714
Sapugaskanda B	70	63	54	1,377
Uthura Janani	26	24	23	448
Barge CEB	60	60	59	1,429
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	282	4,671
ACE Embilipitiya	93	0	0	0
<b>Total</b>	<b>3,397</b>	<b>2,301</b>	<b>1,868</b>	<b>36,232</b>

Plant availability is the availability recorded at 6 am on

January 10, 2023

## Contribution to the Night Peak in MW

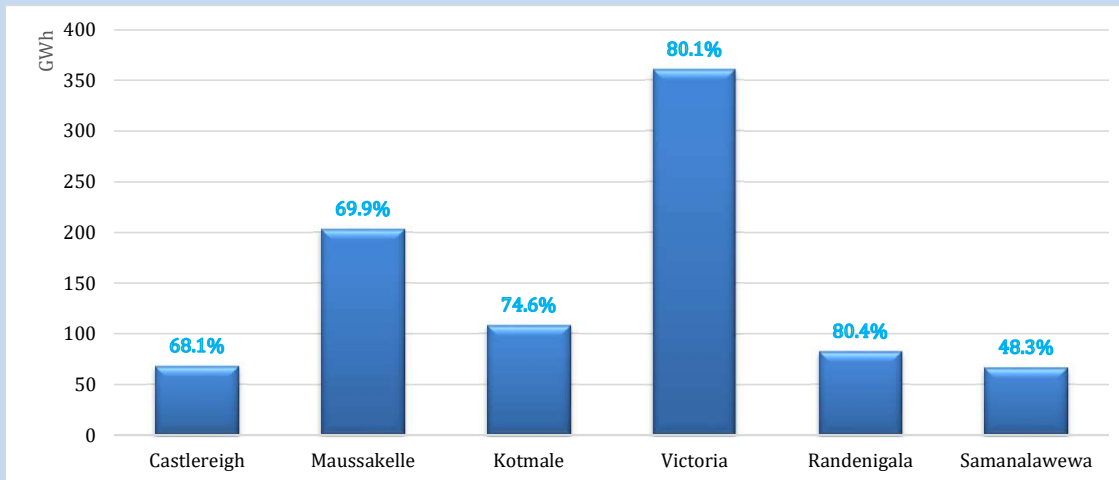
January 9, 2023



Night Peak*	1,867.7 MW
Day Peak	1,765.4 MW
Minimum Demand	1,017.3 MW

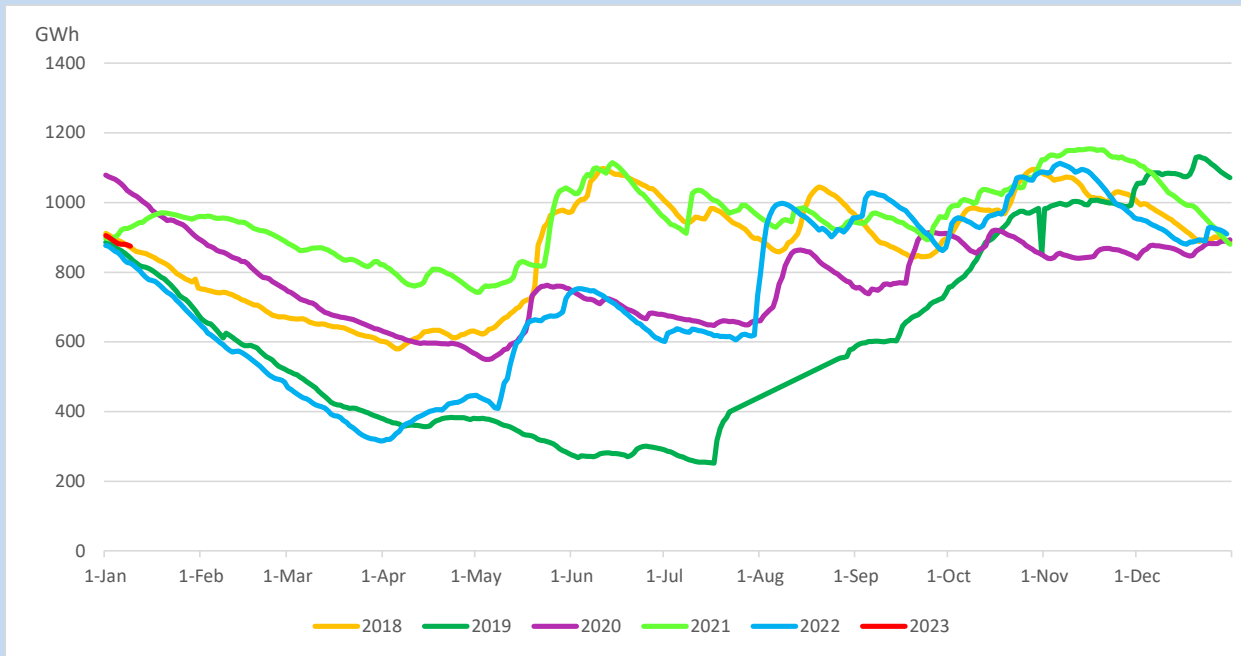
Above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Reservoir Levels - as at 06.00 Hr on January 10, 2023

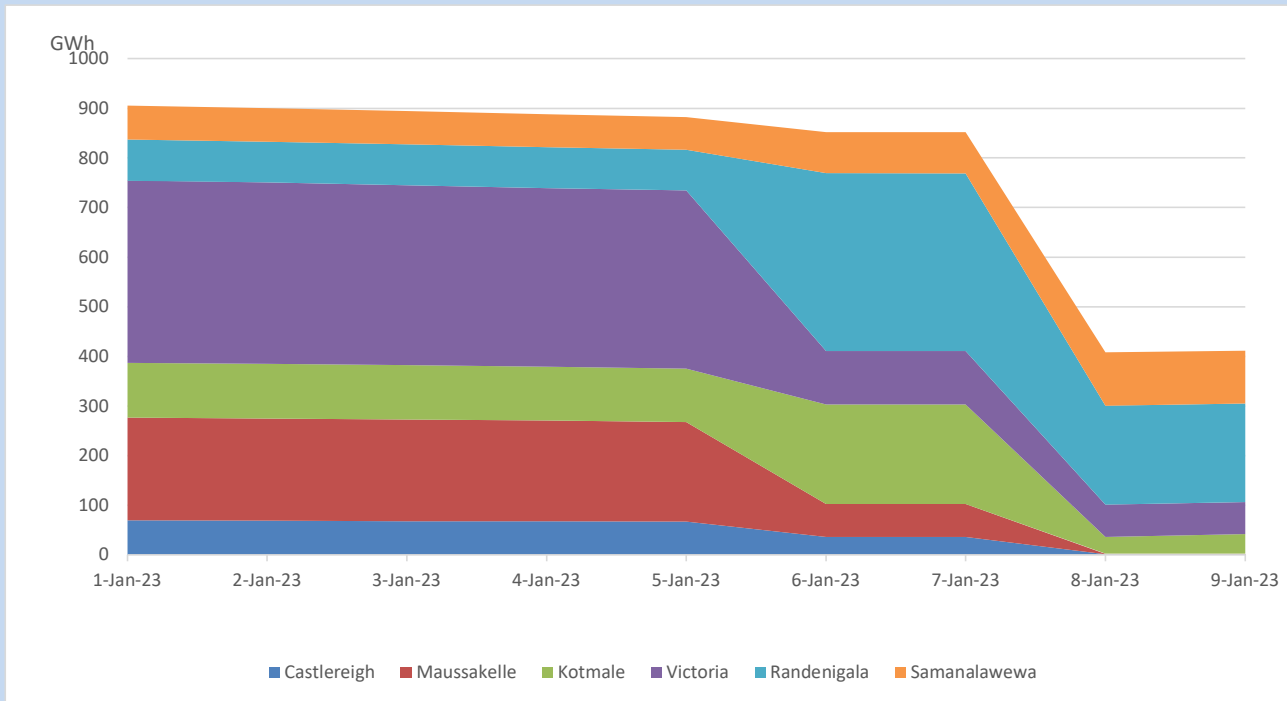


Total Reservoir Level	875.1 GWh
% of Total capacity	72.6%

## Comparison of Total Reservoir Storage Levels with Past Years

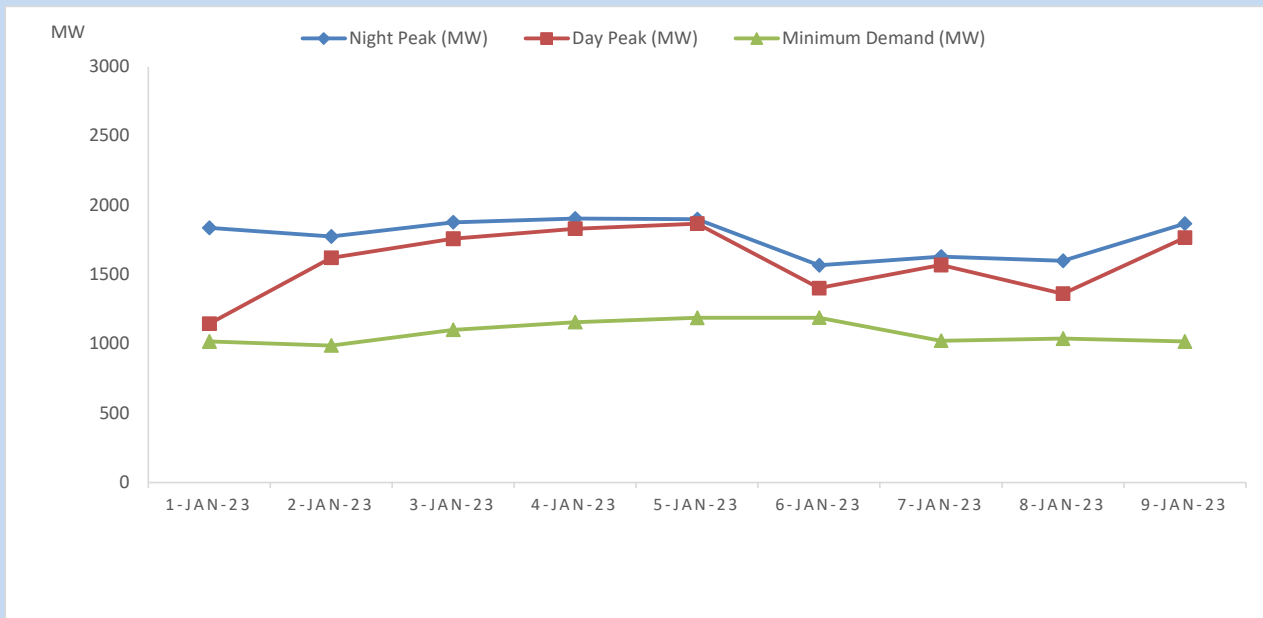


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

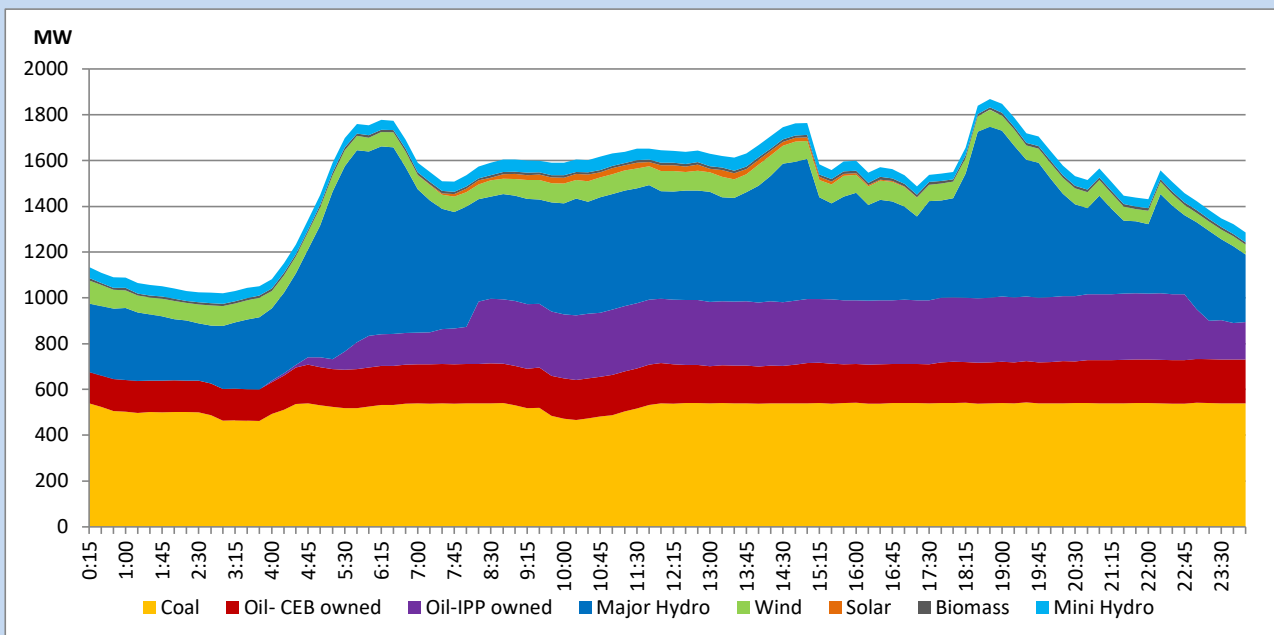


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

## Daily Load Curve of the Previous day

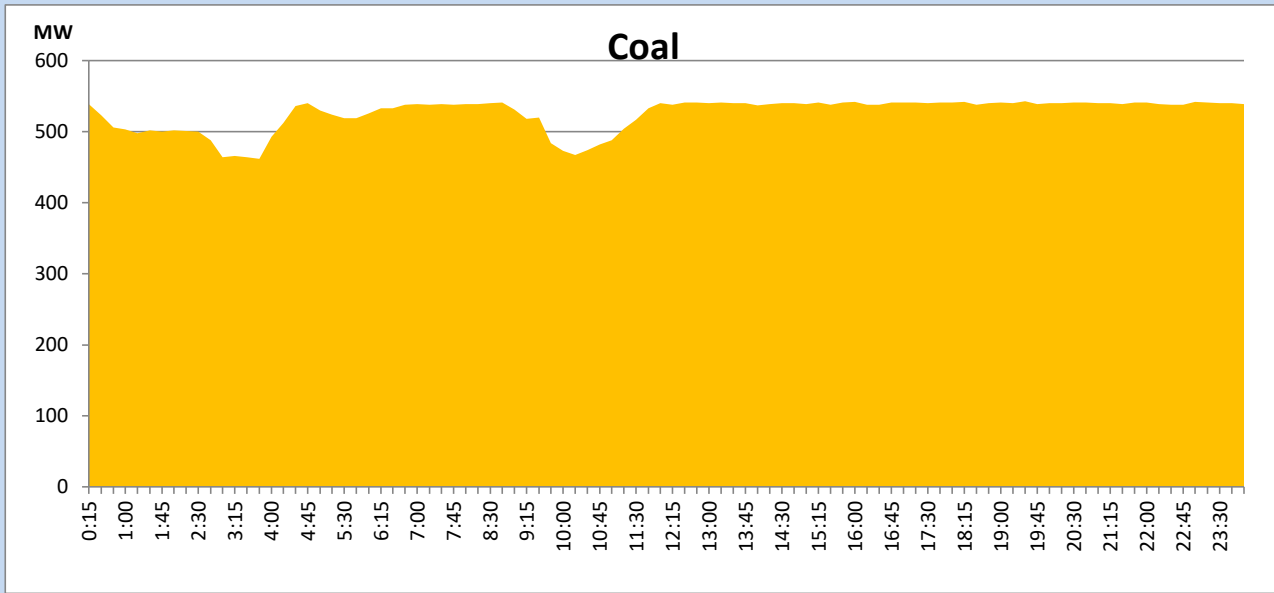
January 9, 2023

Solar and wind data is based on Telemetered Power Stations only



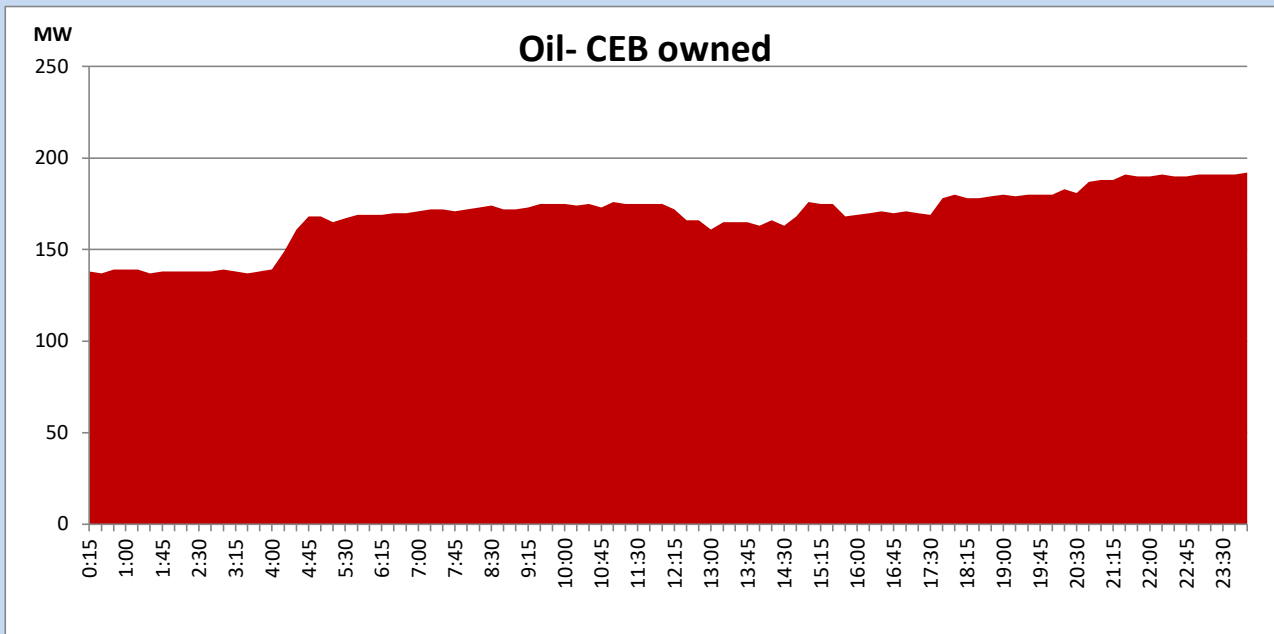
## Coal Generation during the Previous day

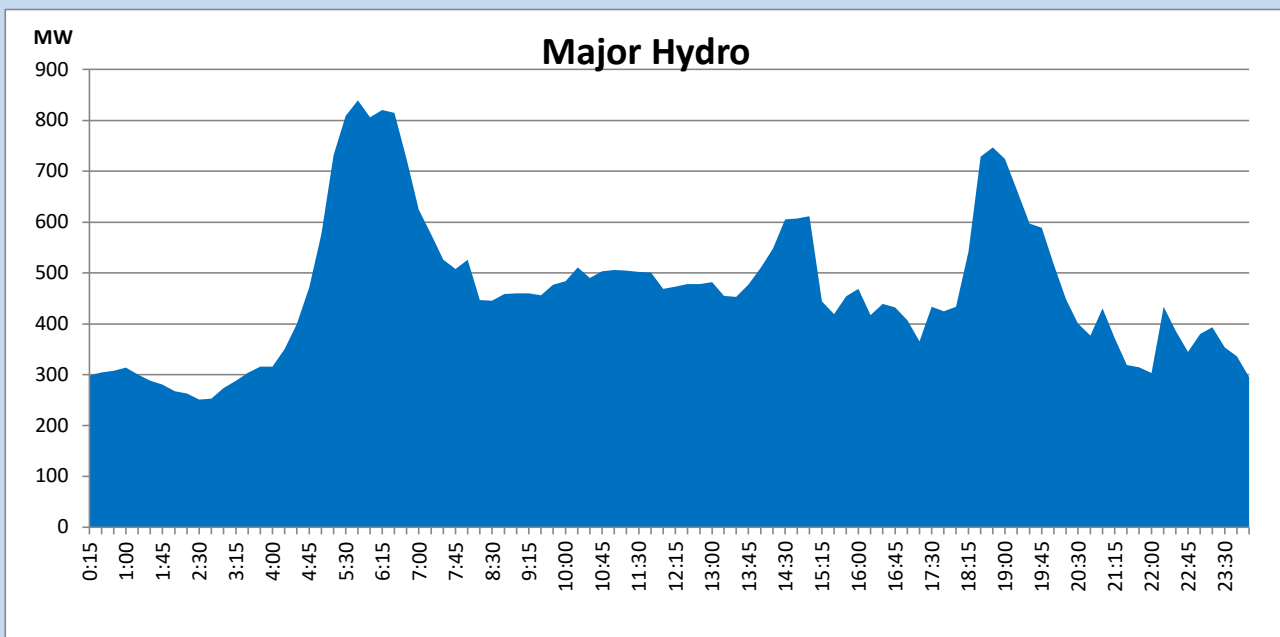
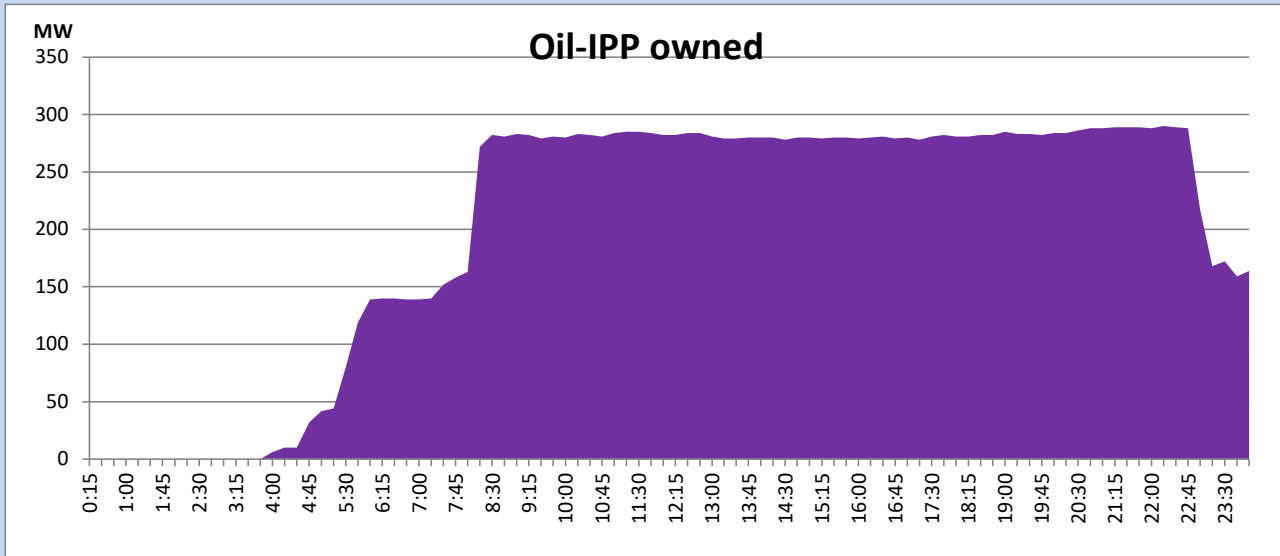
January 8, 2023



## CEB Oil Plant Generation during the Previous day

January 8, 2023

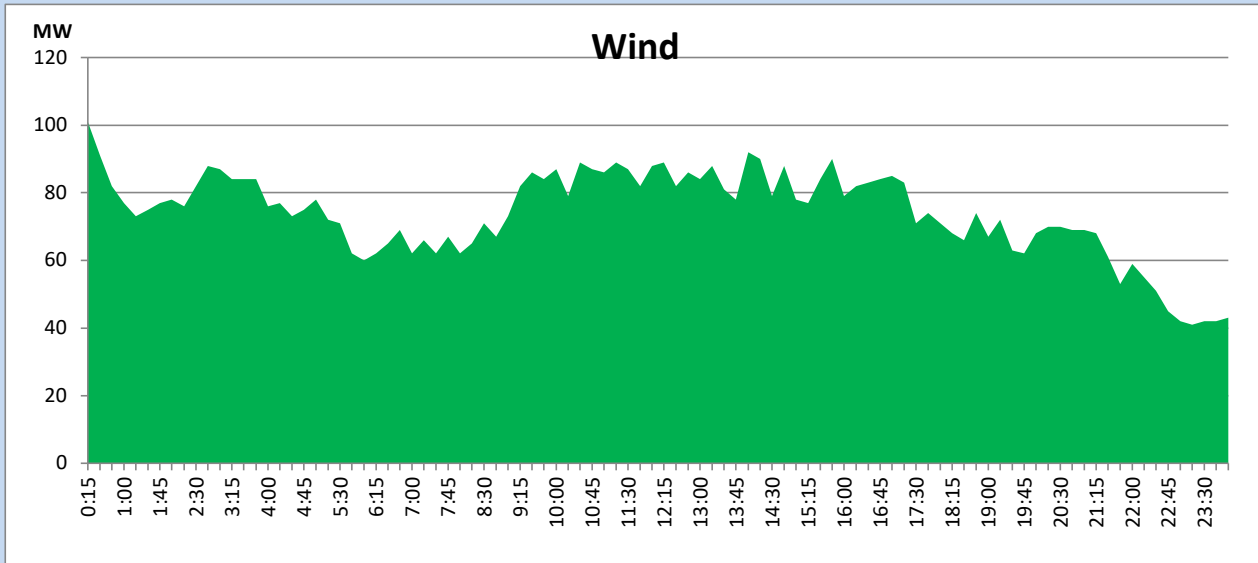




## Wind Generation during the Previous day

January 8, 2023

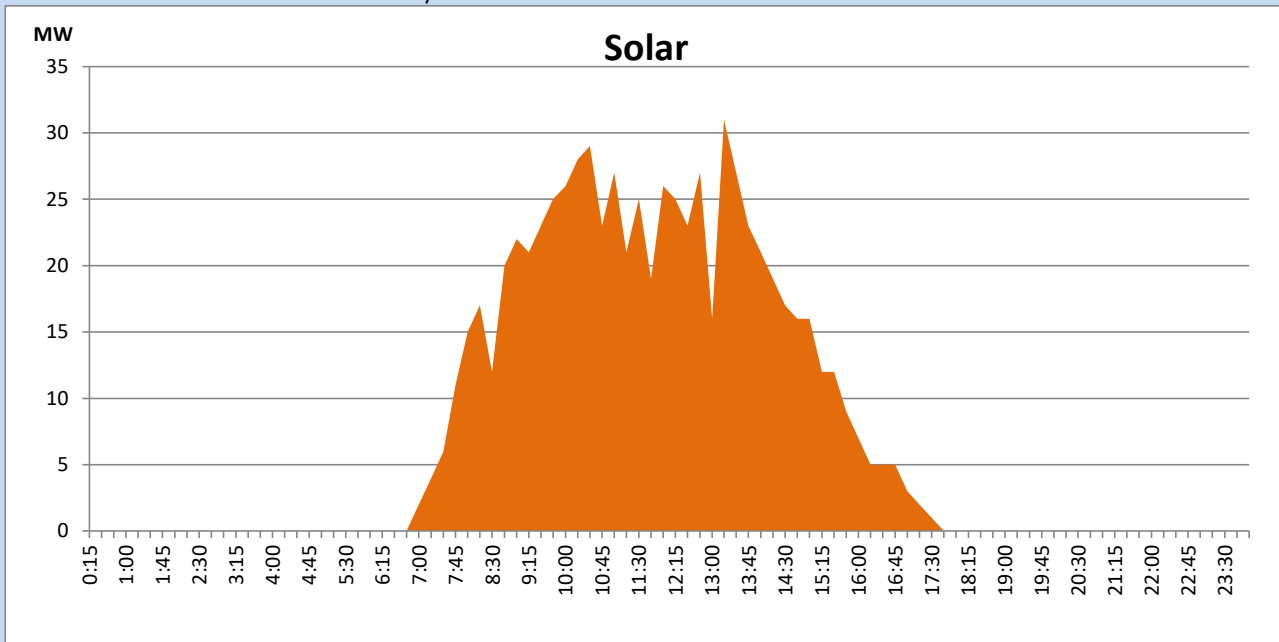
Based on Telemetered Power Stations only



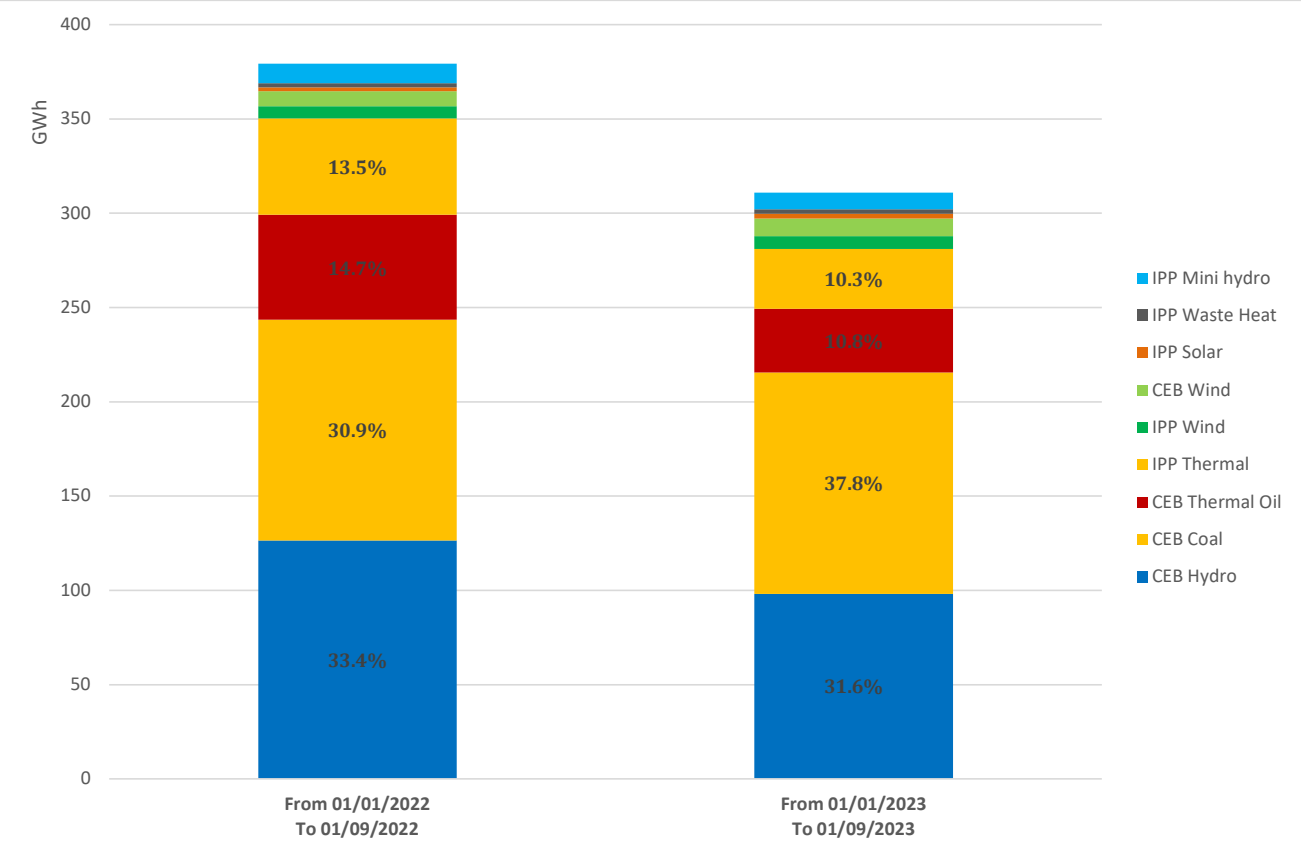
## Solar Generation during the Previous day

January 8, 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	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Auto Diesel / Heavy Fuel
ACE Matara	Heavy Fuel
ACE Embilipitiya	Heavy Fuel

## Major incidents reported during the day

January 9, 2023

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