

# Generation and Reservoirs Statistics

August 26, 2024



**PUBLIC UTILITIES COMMISSION OF SRI LANKA**

1. Daily Generation Mix

August 26, 2024

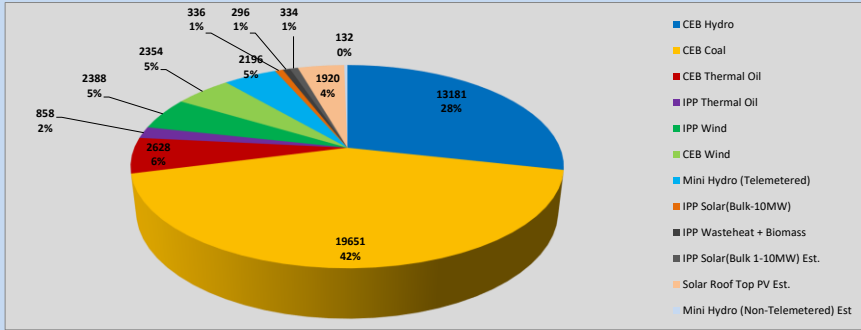


Table 01

	Generation (MWh)
CEB Hydro	13181
CEB Coal	19651
CEB Thermal Oil	2628
IPP Thermal Oil	858
IPP Wind	2388
CEB Wind	2354
Mini Hydro (Telemetered)	2196
IPP Solar (Bulk)	336
IPP Waste heat + Biomass	296
<b>Total Generation (Excluding estimated figures)</b>	<b>43,888</b>
* Estimated unserved energy	0
* Estimated Mini Hydro (Non telemetered)	132
* Estimated IPP Solar PV (Bulk 1-10MW)	334
* Estimated Solar Roof Top PV	1920
<b>Total Generation (Including estimated figures)</b>	<b>46,274</b>

\* Estimated figures of CEB generation report

1.1 Cumulative Dispatch - 2024

Table 02 - Current Month

Category	Dispatch (GWh)	
CEB Hydro	380	30.02%
CEB Coal	407	32.17%
CEB Thermal Oil	122	9.63%
IPP Thermal	27	2.16%
IPP Wind	33	2.63%
CEB Wind	39	3.09%
Mini Hydro *	92	7.28%
IPP Solar *	66	5.22%
IPP Waste heat + BMP	8	0.60%
<b>Total</b>	<b>1,266</b>	

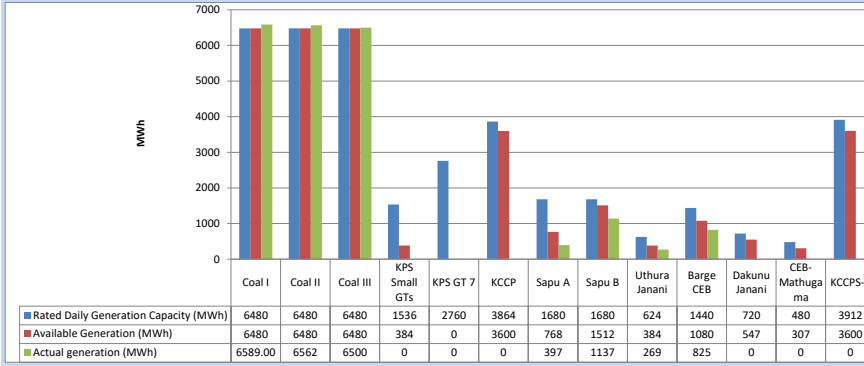
Table 03 - Current Year

Category	Dispatch (GWh)	
CEB Hydro	3,394	31.35%
CEB Coal	3,782	34.94%
CEB Thermal Oil	1,105	10.21%
IPP Thermal	503	4.65%
IPP Wind	251	2.32%
CEB Wind	254	2.35%
Mini Hydro *	779	7.20%
IPP Solar *	661	6.11%
IPP Waste heat	96	0.89%
<b>Total</b>	<b>10,826</b>	

\*Including estimated contribution from non telemetered plants

### 1.2 CEB owned Thermal Plant Dispatch

August 26, 2024

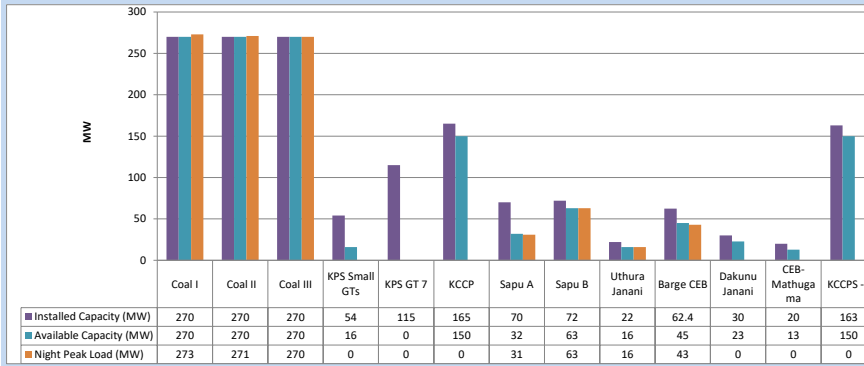


Available Generation is estimated based on plant availability at 6.00am on

August 27, 2024

### 1.3 CEB owned Thermal Plant Loading at the Night Peak

August 26, 2024

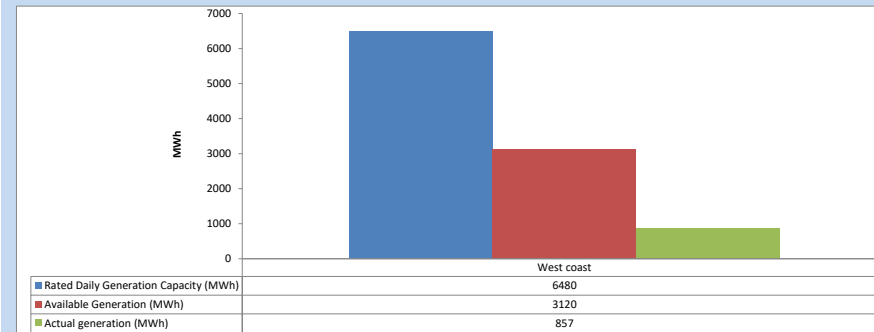


Plant availability is recorded at 6.00 am on

August 27, 2024

### 1.4 IPP owned Thermal Plant Dispatch

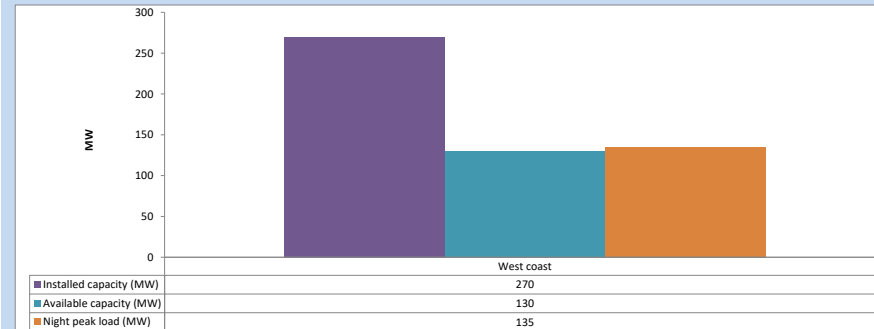
August 26, 2024



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

August 27, 2024

### 1.5 IPP owned Thermal Plant Loading at the Night Peak

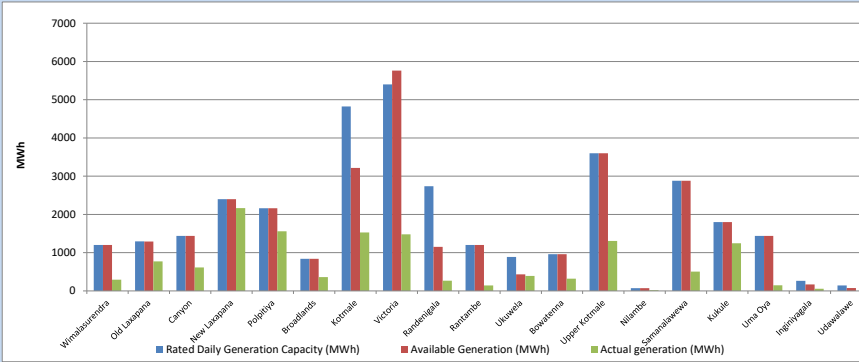


Plant availability is recorded at 6.00 am on

August 27, 2024

1.6 Major Hydro Plant Dispatch

August 26, 2024

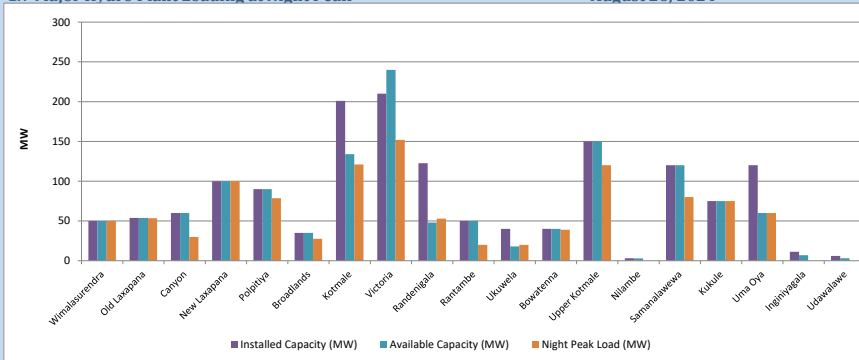


Available Generation is estimated based on plant availability at 6.00am on

August 27, 2024

1.7 Major Hydro Plant Loading at Night Peak

August 26, 2024



Plant availability is recorded at 6.00 am on

August 27, 2024

1.8 Summary of Major Plant performance

August 26, 2024

Table 04

Plant	Rated Capacity (MW)	Available Capacity (MW)	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	50	295
Old Laxapana	54	54	54	772
Canyon	60	60	30	615
New Laxapana	100	100	100	2,166
Polpitiya	90	90	79	1,560
Broadlands	35	35	28	363
Kotmale	201	134	121	1,530
Victoria	210	240	152	1,481
Randenigala	123	48	53	267
Rantambe	50	50	20	144
Ukuwela	40	18	20	390
Bowatenna	40	40	39	319
Upper Kotmale	150	150	120	1,306
Nilambe	3	3	0	18
Samanalawewa	120	120	80	505
Kukule	75	75	75	1,247
Uma Oya	120	60	60	148
Inginiyagala	11	7	0	55
Udawalawe	6	3	0	0
Puttalam Coal I	270	270	273	6,589
Puttalam Coal II	270	270	271	6,562
Puttalam Coal III	270	270	270	6,500
KPS Small GTs	54	16	0	0
KPS GT 7	115	0	0	0
KCCP	165	150	0	0
Sapugaskanda A	70	32	31	397
Sapugaskanda B	72	63	63	1,137
Uthura Janani	22	16	16	269
Barge CEB	62	45	43	825
CEB-Hambantota	30	23	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
KCCPS -2	163	150	0	0
West Coast	270	130	135	857
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Sobadhanavi (Testing)	220	212	0	1
Total	3,594	2,785	2,474	43,888

Note-

Plant availability is the availability recorded at 6 am on

August 27, 2024

1.9 Contribution to the Night Peak in MW

August 26, 2024

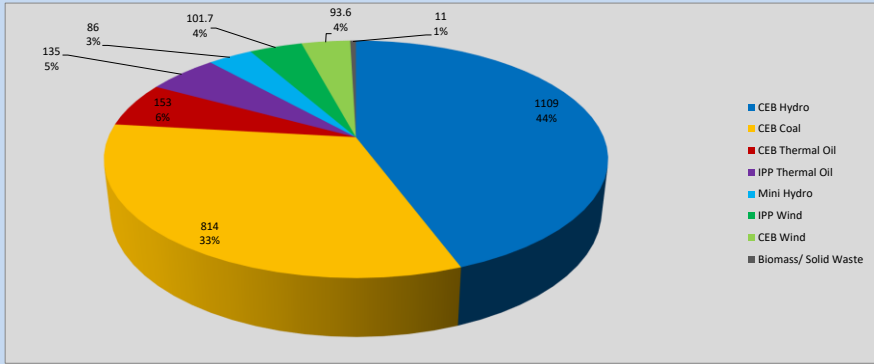


Table 05

CEB Hydro	1109	MW
CEB Coal	814	MW
CEB Thermal Oil	153	MW
IPP Thermal Oil	135	MW
Mini Hydro (Telemetered)	86	MW
IPP Wind	101.7	MW
CEB Wind	93.6	MW
Biomass/ Solid Waste	11	MW

Recorded Peak Demand Data

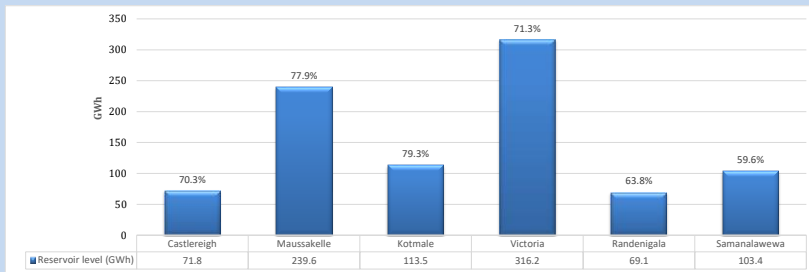
Table 06

Night Peak*	2,503	MW
Day Peak Maximum Demand	2,208	MW
Day Peak Minimum Demand	1,632	MW
Off Peak Minimum Demand	1,384	MW

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

1.10 Reservoir Levels -

as at 06.00 Hr on August 27, 2024



Total Reservoir Level  
% of Total capacity

913.6 GWh  
71.5%

1.11 Day Ahead Planned Scheduled Generation Vs Actual Demand (Excluding non telemetered data)

August 26, 2024

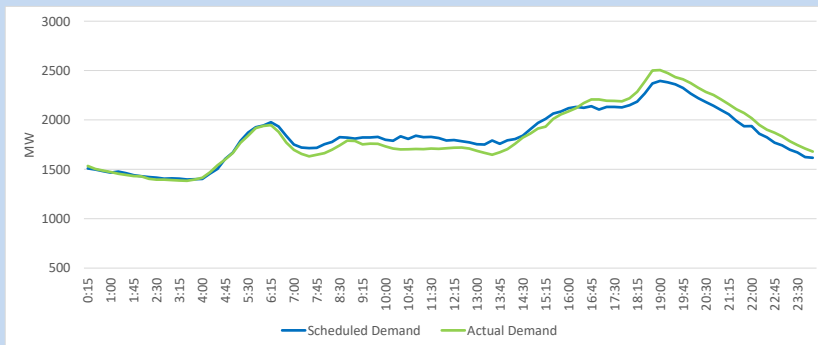
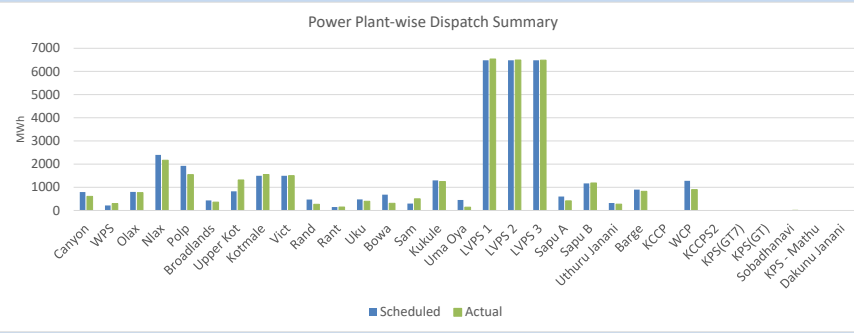


Table 07

Category	Scheduled Dispatch (MWh)	Actual Dispatch (MWh)	Deviation (MWh)
Major Hydro	14,240	13,134	(1,107)
CEB Coal	19,440	19,521	81
CEB Thermal Oil	2,990	2,703	(287)
IPP Thermal Oil	1,279	903	(377)
NCRE (Telemetered)	6,101	7,743	1,641
<b>Total</b>	<b>44,050</b>	<b>44,002</b>	<b>-48</b>

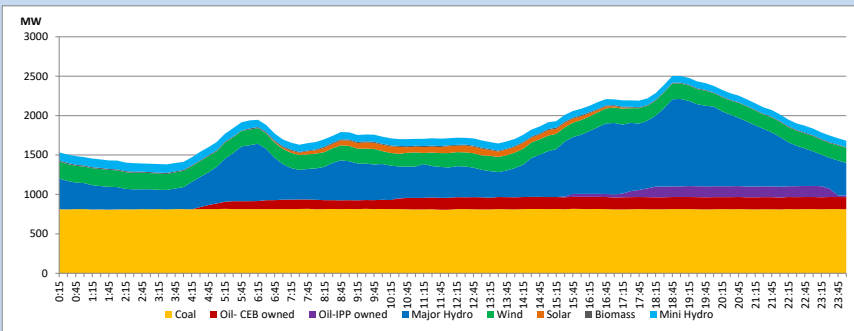
1.12 Power Plant-wise Dispatch Summary

August 26, 2024



1.13 Daily Load Curve

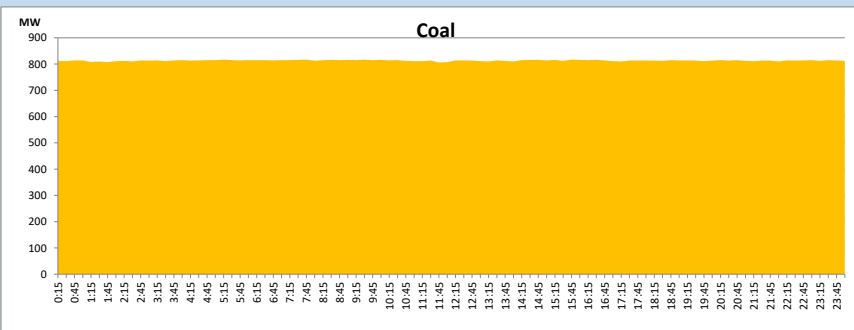
August 26, 2024



Solar and wind data is based on Telemetered Power Stations only

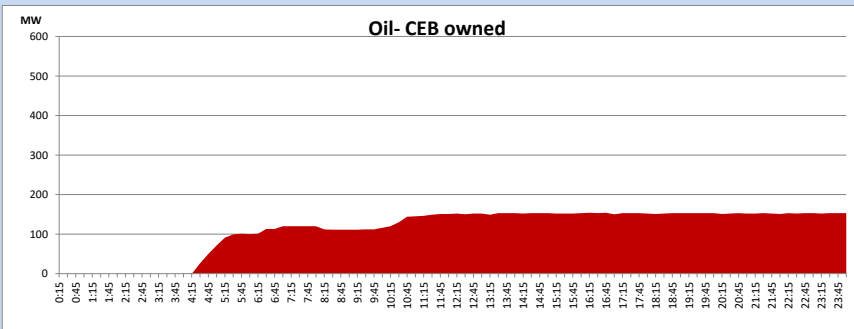
Coal Generation during

August 26, 2024

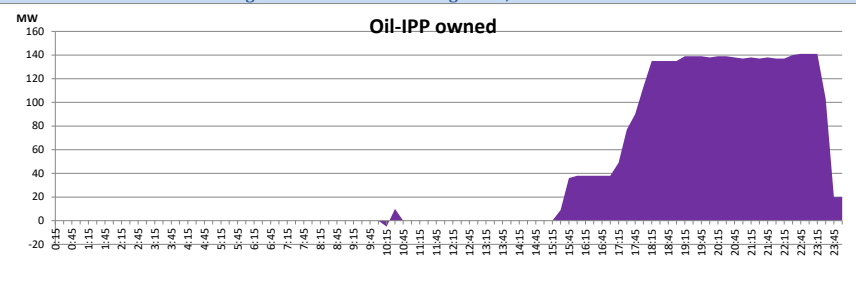


CEB Oil Plant Generation during

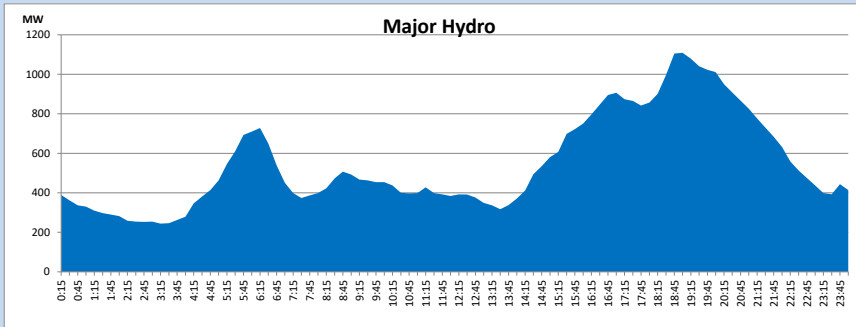
August 26, 2024



**IPP Oil Plant Generation during August 26, 2024**

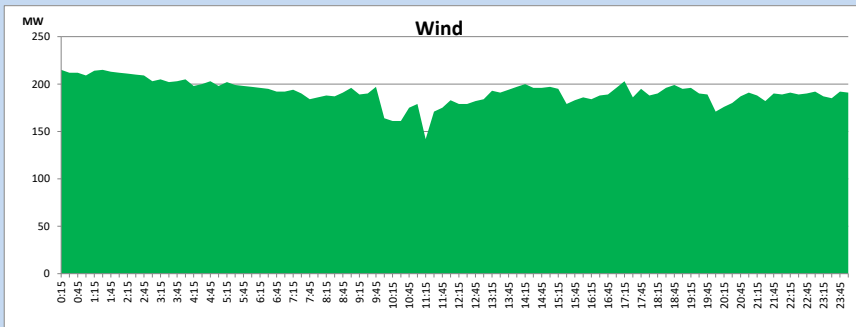


**Major Hydro Generation during August 26, 2024**



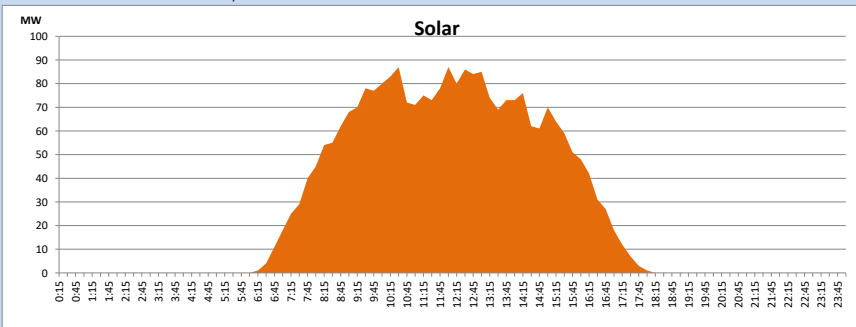
**Wind Generation during August 26, 2024**

Based on Telemetered Power Stations only



**Solar Generation during August 26, 2024**

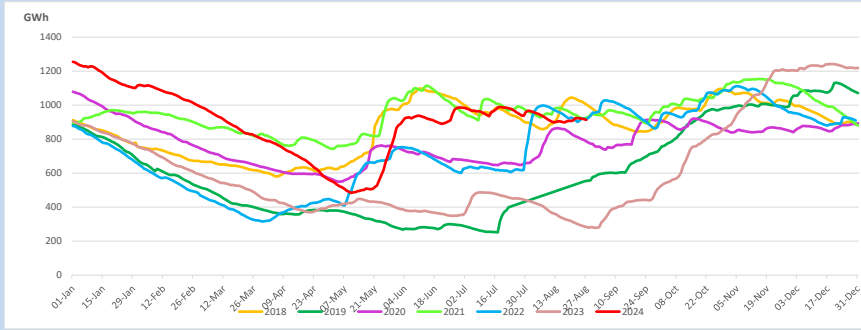
Based on Telemetered Power Stations only



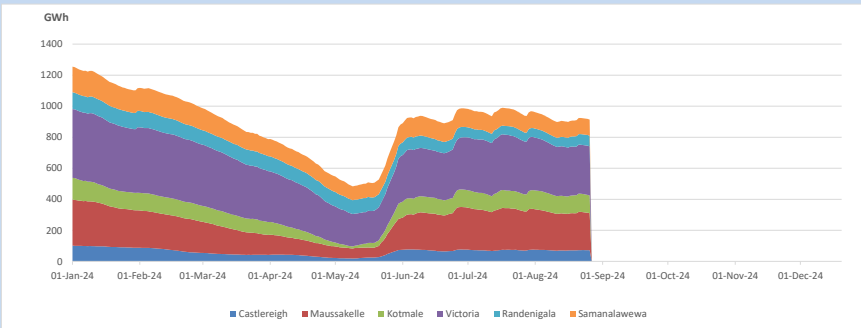
**1.14 Major Incidents reported during the day August 26, 2024**

Nil

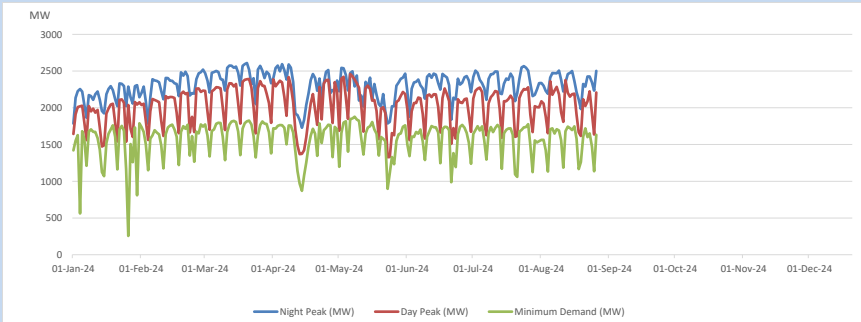
## 2. Comparison of Total Reservoir Storage Levels with Past Years



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



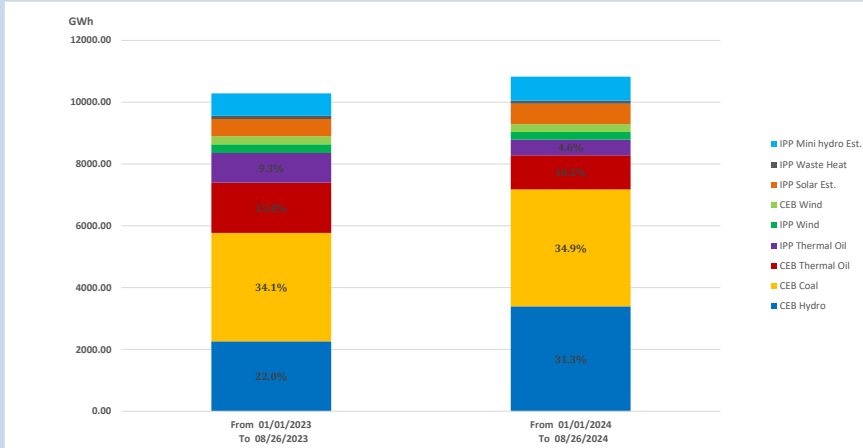
## 4. Variation of Demand during the current year



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



## 5. Cumulative Dispatch Comparison with Last Year



### Cumulative dispatch

From 01/01/2023 To 08/26/2023

10287 GWh

From 01/01/2024 To 08/26/2024

10286 GWh

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

Unserviced energy due to power cuts has been excluded in 2023

### Thermal Power Plant - Fuel types

Table 08

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
KCCPS -2	Auto Diesel

Power Station	Primary Fuel
Private Thermal	
West Coast	Auto Diesel / Heavy Fuel
Sobadhanavi	Auto Diesel

## 6. Installed System Capacity

Table 09

	Installed Capacity (MW)
CEB Hydro	1530
CEB Coal	810
CEB Thermal Oil	786
IPP Thermal Oil (West Coast +Sobadhanavi)	482
IPP Wind	163
CEB Wind	100
Mini Hydro	422
IPP Waste heat + Biomass	54
IPP Solar	137
Rooftop Solar (Ordinary)	388
Rooftop Solar (LT Bulk)	305
Rooftop Solar (HT Bulk)	95

Data Source - Monthly Review Report [May-2024]