

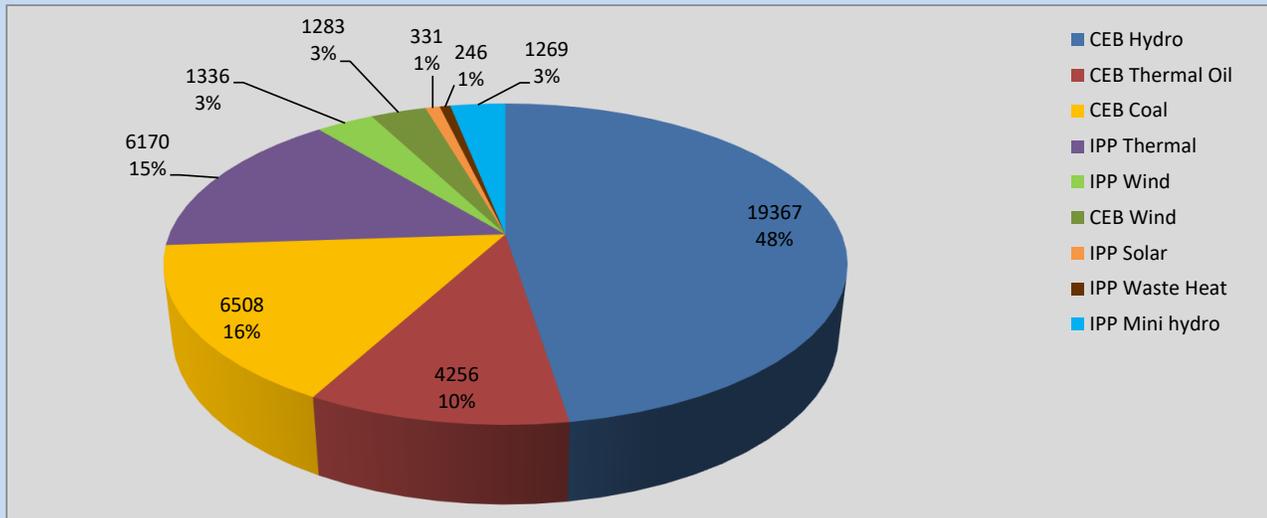
Generation and Reservoirs Statistics

August 19, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation **40,766 MWh**

Note: Above data is excluding contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

Cumulative Dispatch

Note: Following data is Excluding contribution from Roof Top Solar, 1MW solar and Mini Hydro plants

For Current Month

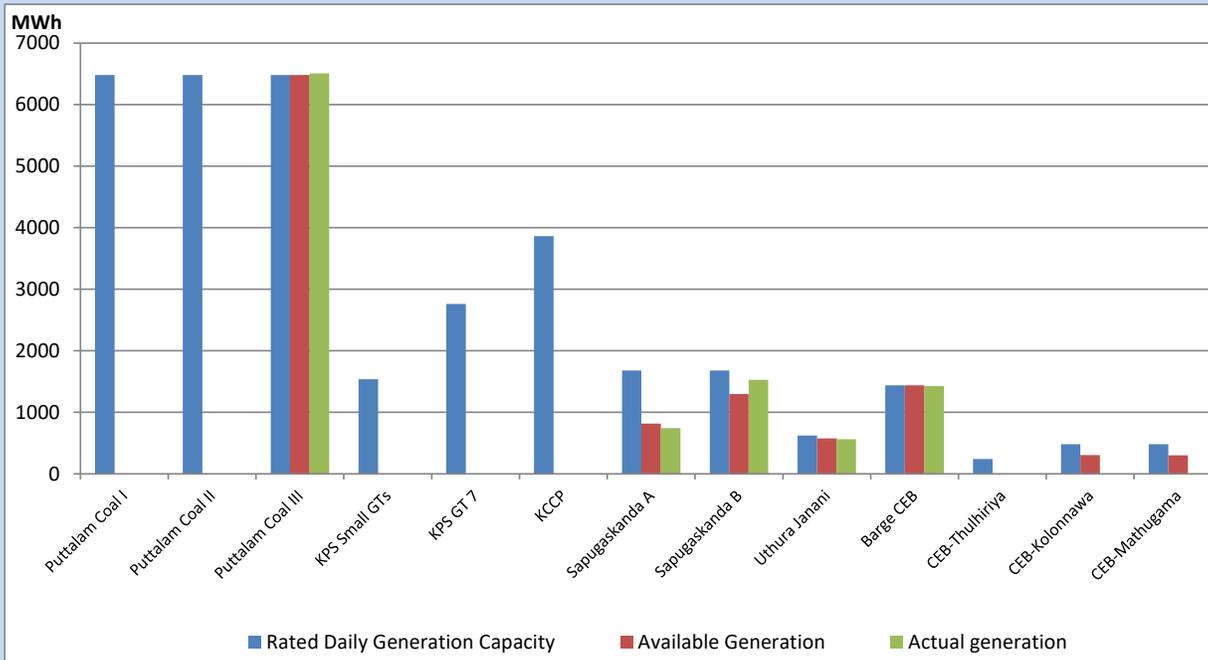
Category	Dispatch (GWh)	Percentage
CEB Hydro	389.63	52.60%
CEB Thermal Oil	27.39	3.70%
CEB Coal	187.97	25.38%
IPP Thermal	32.09	4.33%
SPP Wind	33.37	4.50%
CEB Wind	31.39	4.24%
SPP Solar	5.23	0.71%
SPP Solid Waste	2.64	0.36%
Mini Hydro	31.04	4.19%
Total	740.75	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	2,887.8	30.62%
CEB Thermal Oil	1,082.8	11.48%
CEB Coal	3,607.6	38.26%
IPP Thermal	1,004.5	10.65%
SPP Wind	217.3	2.30%
CEB Wind	232.7	2.47%
SPP Solar	59.2	0.63%
SPP Solid Waste	46.7	0.50%
Mini Hydro	292.0	3.10%
Total	9,430.3	

CEB owned Thermal Plant Dispatch

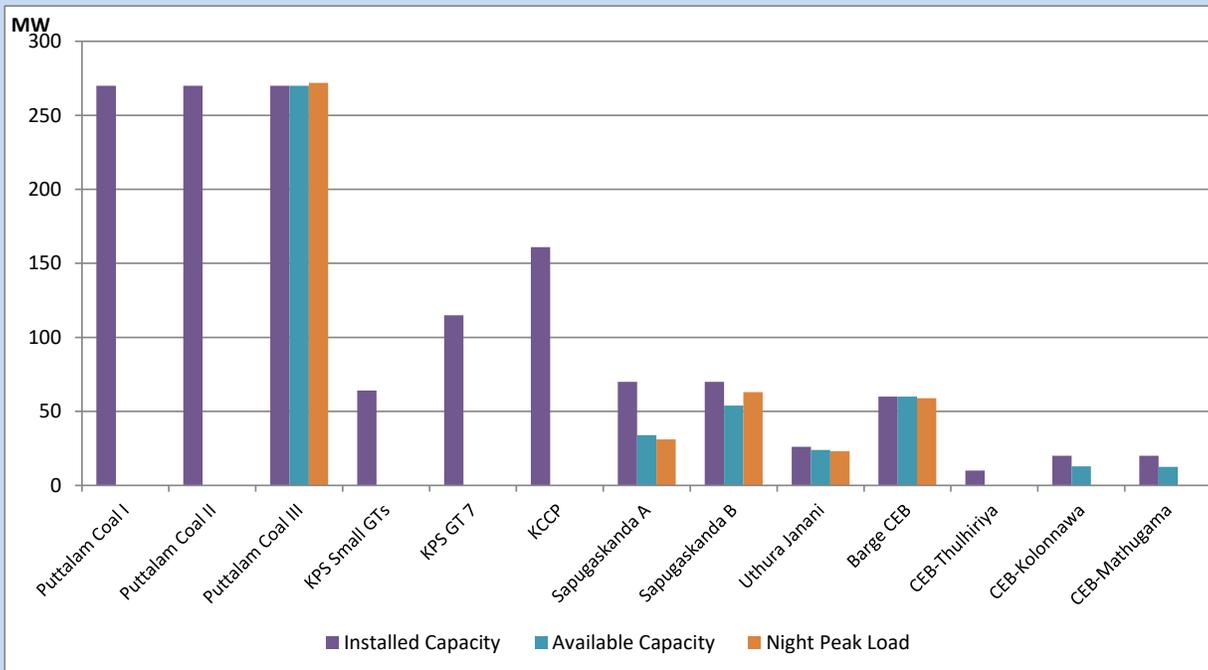
August 19, 2022



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

August 20, 2022

CEB owned Thermal Plant Loading at the Night Peak



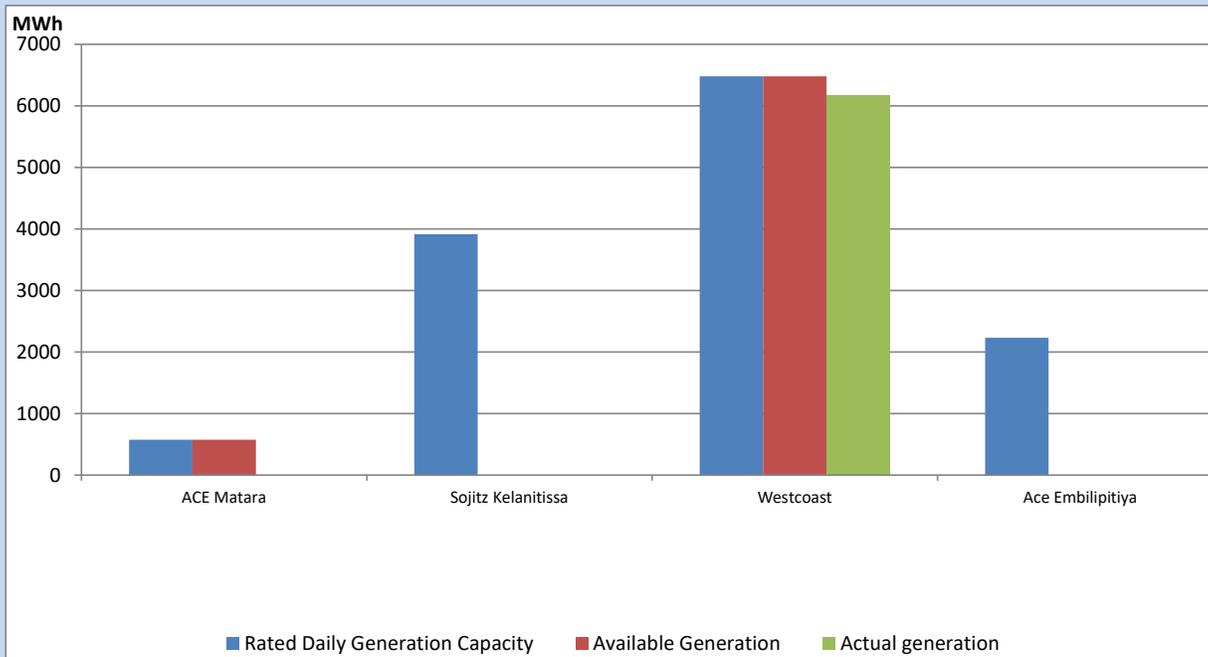
Note- Plant availability is recorded at 6.00 am on

August 20, 2022

IPP owned Thermal Plant Dispatch

August 19, 2022

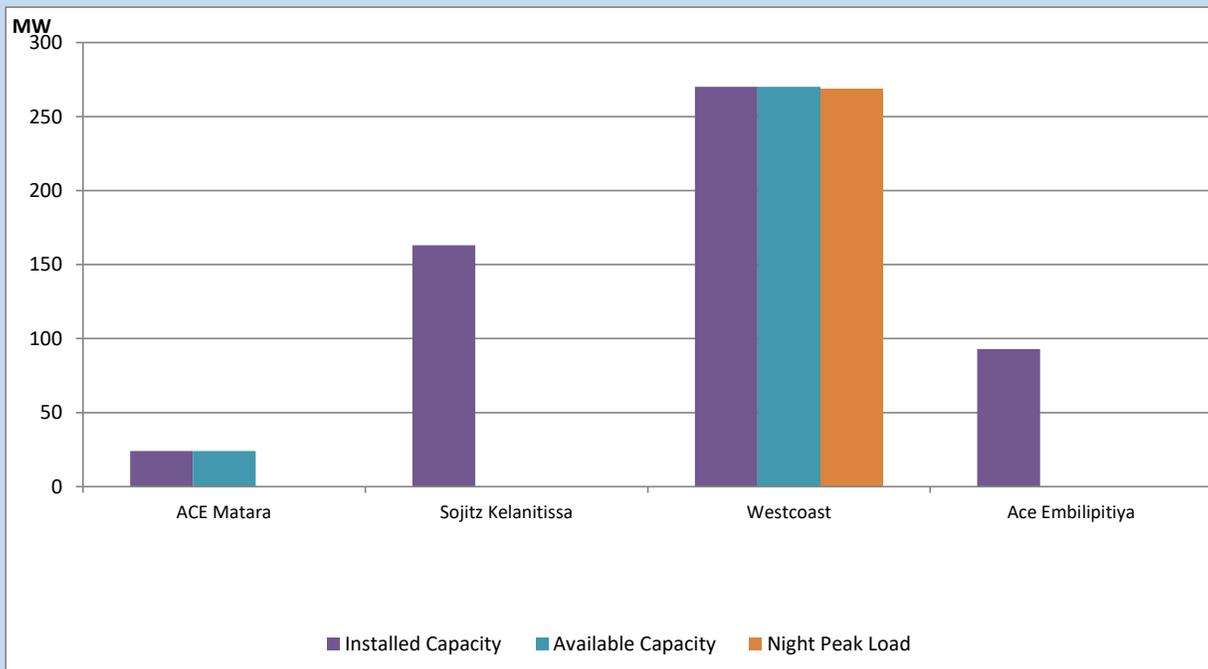
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

August 20, 2022

IPP owned Thermal Plant Loading at the Night Peak

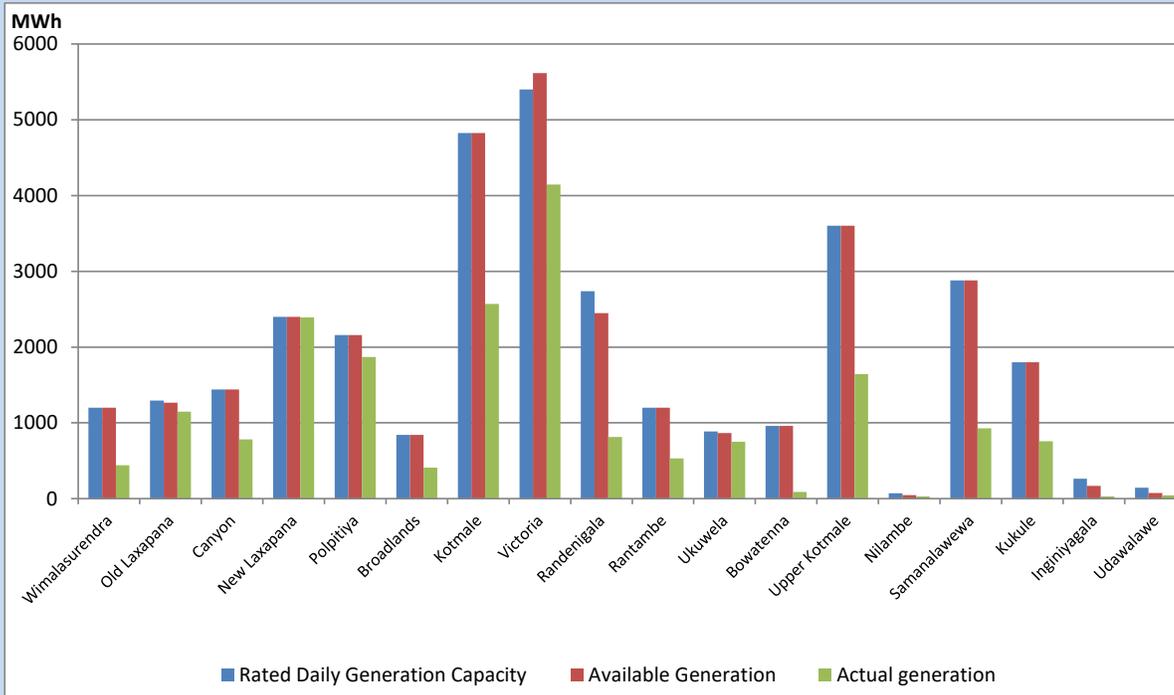


Note- Plant availability is recorded at 6.00 am on

August 20, 2022

Major Hydro Plant Dispatch

August 19, 2022

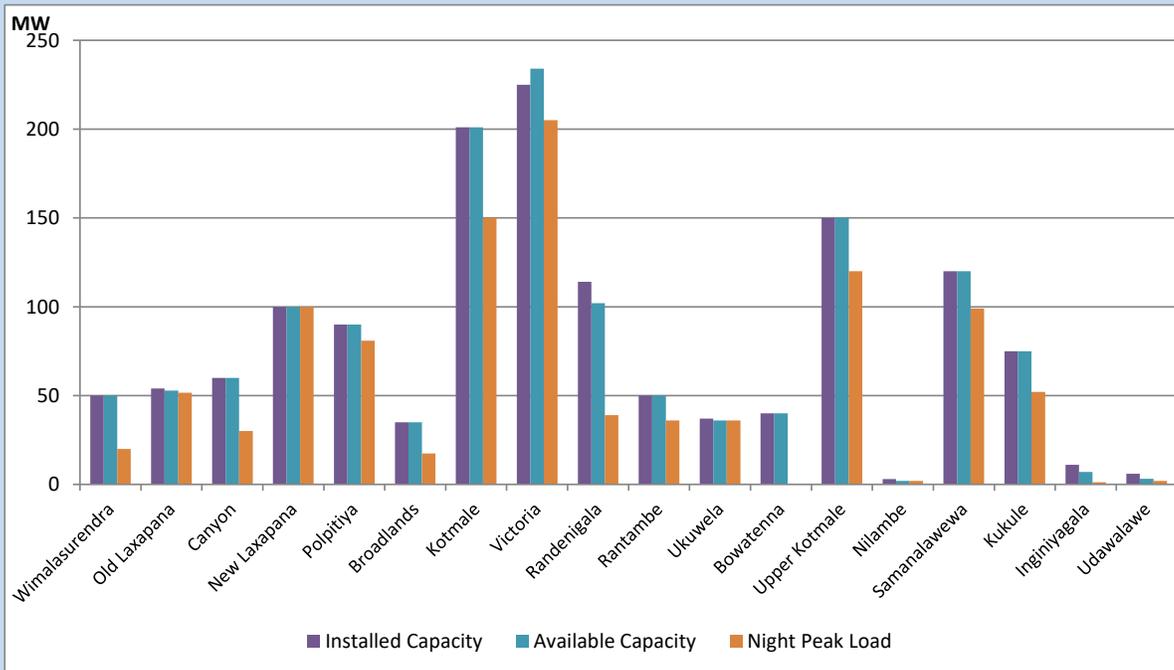


Available Generation is estimated based on plant availability at 6.00am on August 20, 2022
 Broadlands power plant is operating in the Commissioning Stage

August 20, 2022

Major Hydro Plant Loading at Night Peak

August 19, 2022



Note- Plant availability is recorded at 6.00 am on August 20, 2022
 Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

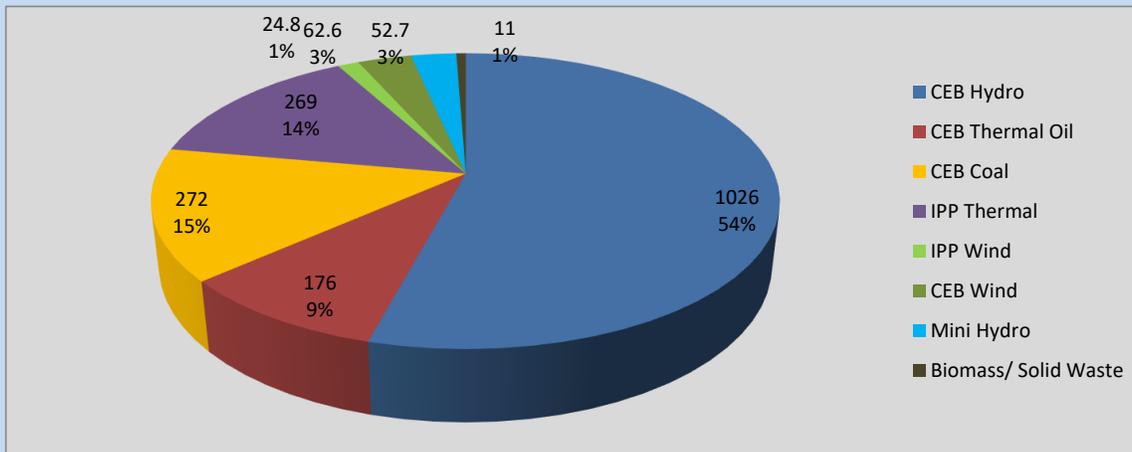
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	20	439
Old Laxapana	54	53	52	1,147
Canyon	60	60	30	783
New Laxapana	100	100	100	2,393
Polpitiya	90	90	81	1,868
Broadlands	35	35	17	409
Kotmale	201	201	150	2,570
Victoria	225	234	205	4,145
Randenigala	114	102	39	815
Rantambe	50	50	36	530
Ukuwela	37	36	36	752
Bowatenna	40	40	0	90
Upper Kotmale	150	150	120	1,642
Nilambe	3	2	2	28
Samanalawewa	120	120	99	927
Kukule	75	75	52	759
Inginiyagala	11	7	1	28
Udawalawe	6	3	2	42
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	0	0	0
Puttalam Coal III	270	270	272	6,508
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	34	31	742
Sapugaskanda B	70	54	63	1,527
Uthura Janani	26	24	23	562
Barge CEB	60	60	59	1,425
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	13	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	24	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	269	6,170
ACE Embilipitiya	93	0	0	0
Total	3,397	2,169	1,910	40,766

Plant availability is the availability recorded at 6 am on

August 20, 2022

Contribution to the Night Peak in MW

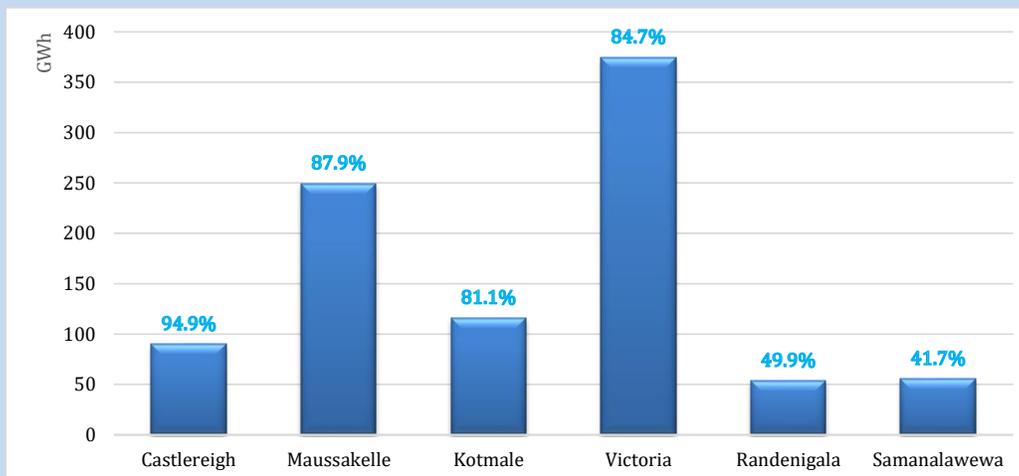
August 19, 2022



Night Peak*	1,894.2 MW
Day Peak	1,963.4 MW
Minimum Demand	1,361.2 MW

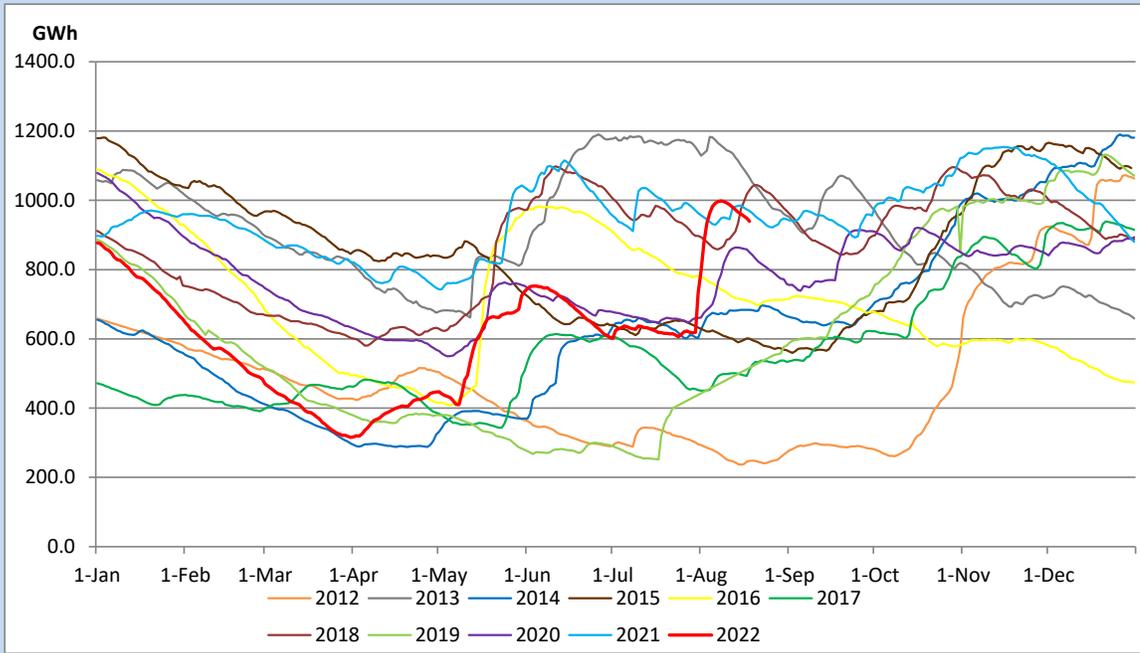
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Reservoir Levels - as at 06.00 Hr on August 20, 2022

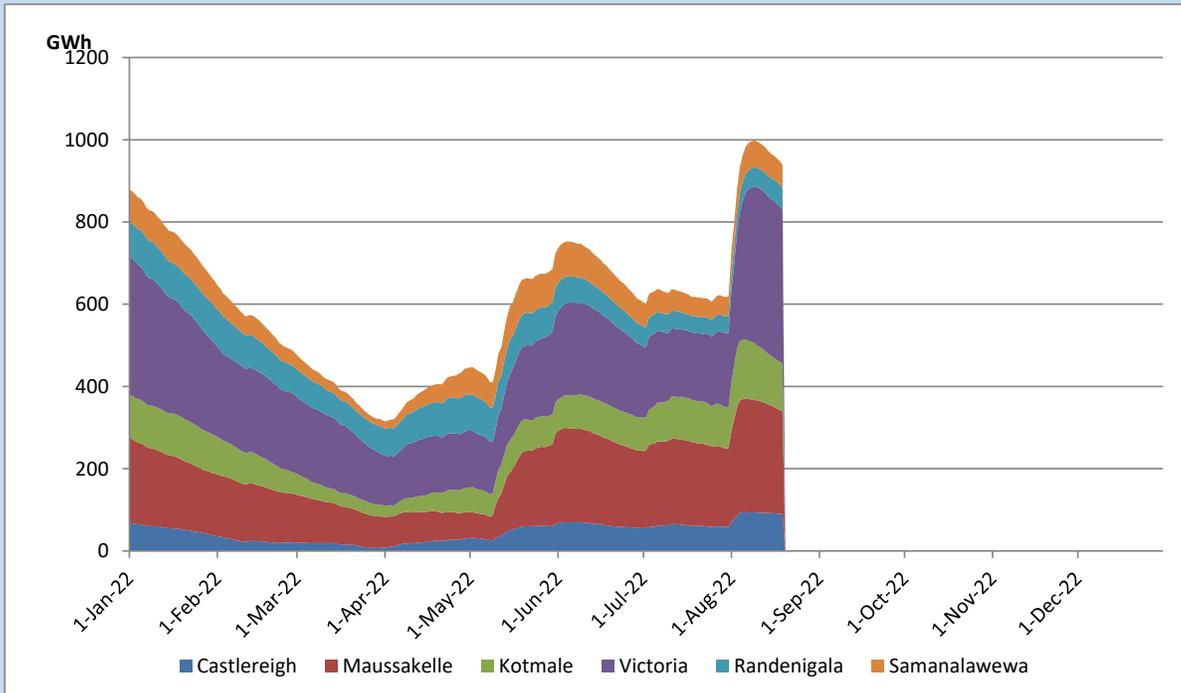


Total Reservoir Level	939.2 GWh
% of Total capacity	78.0%

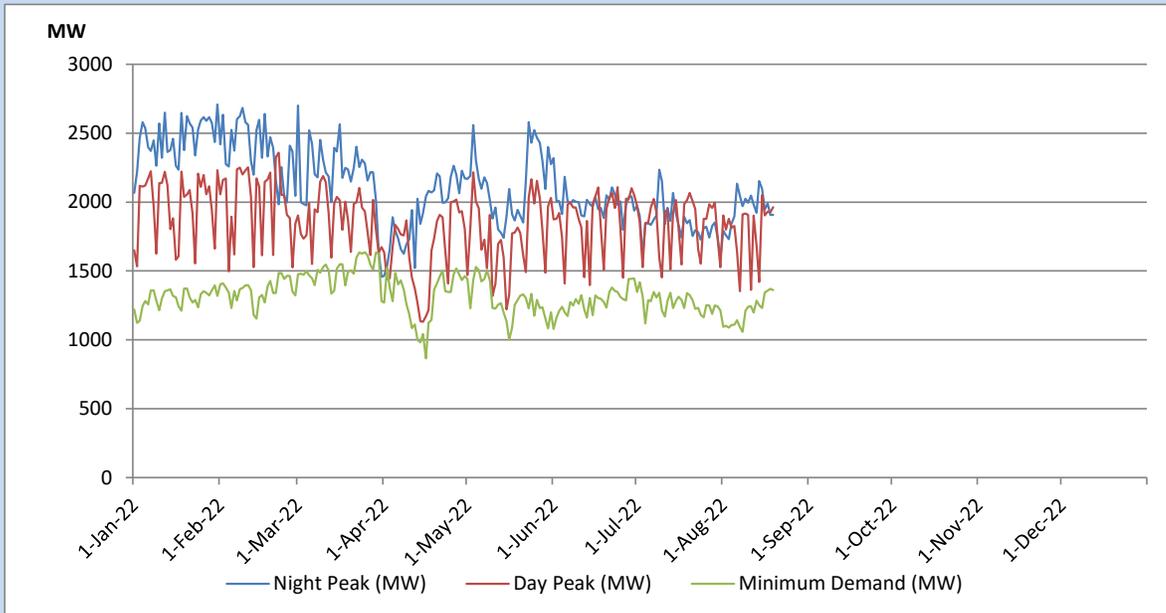
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

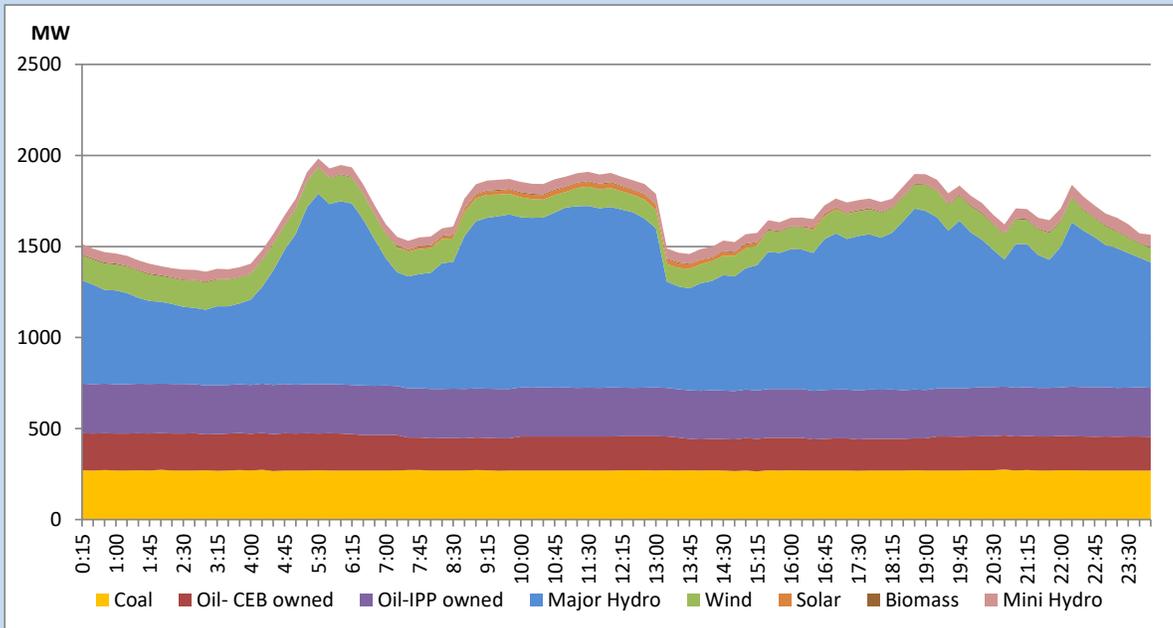


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

Daily Load Curve of the Previous day

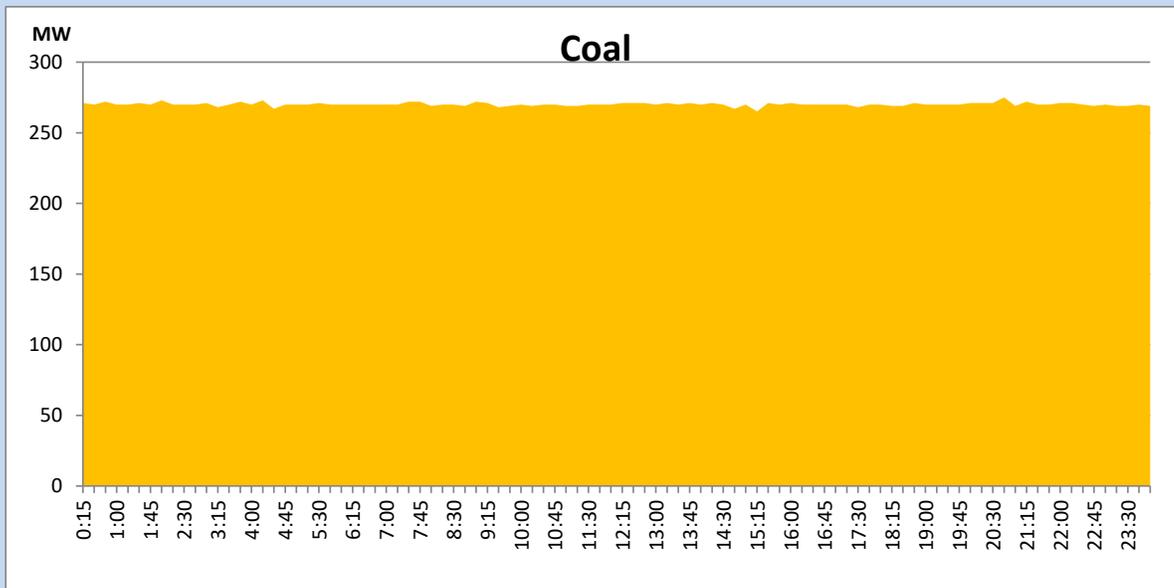
August 18, 2022

Solar and wind data is based on Telemetered Power Stations only



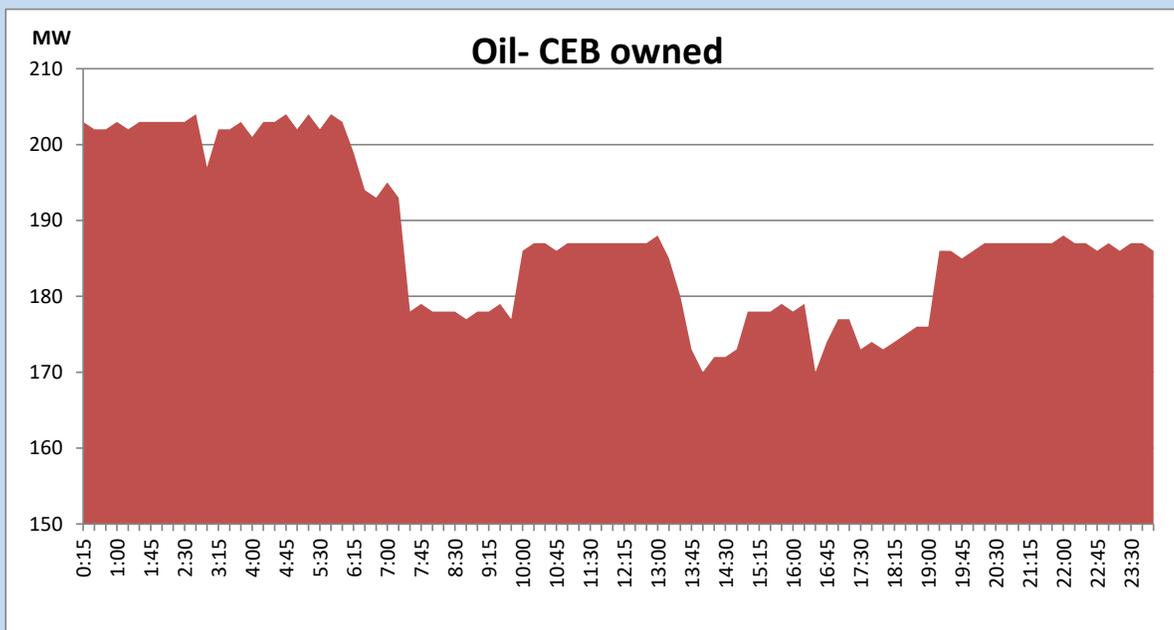
Coal Generation during the Previous day

August 18, 2022



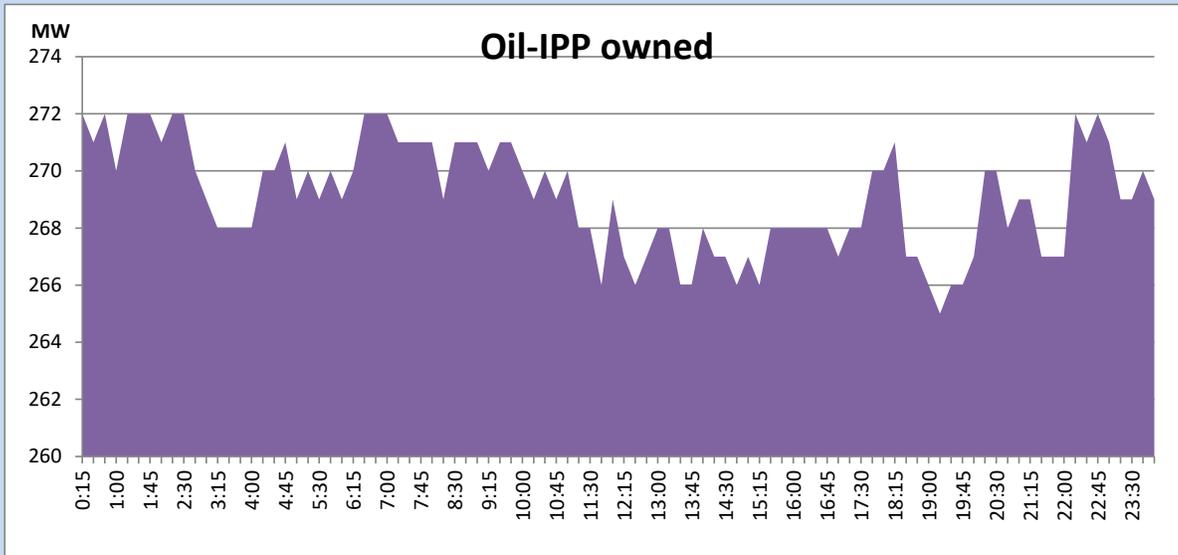
CEB Oil Plant Generation during the Previous day

August 18, 2022



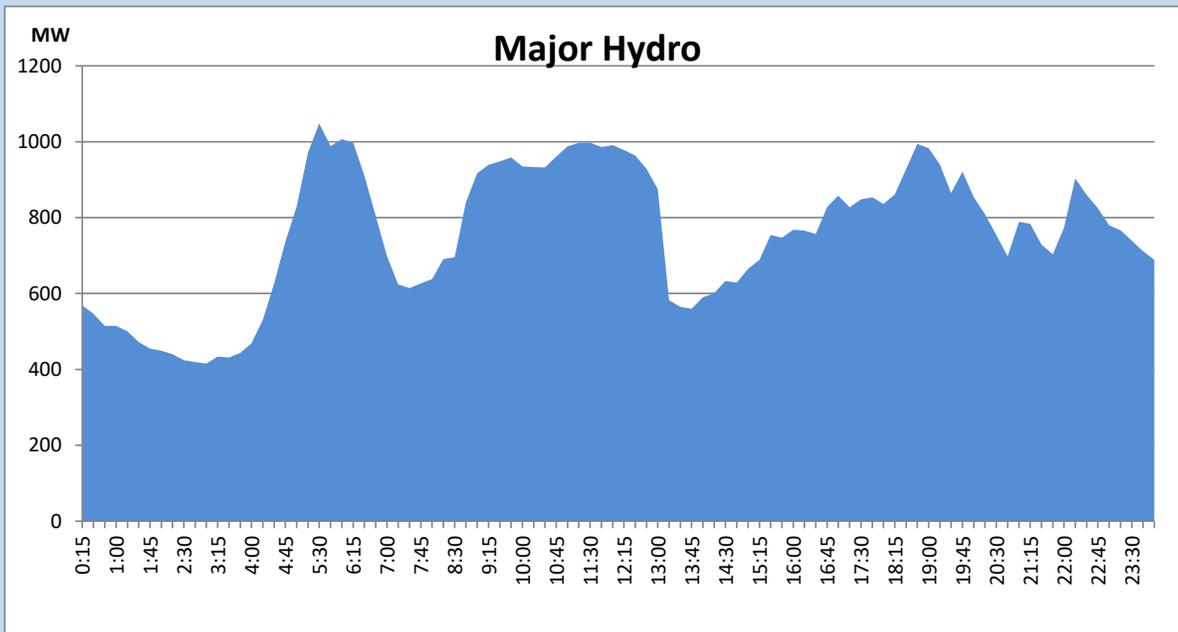
IPP Oil Plant Generation during the Previous day

August 18, 2022



Major Hydro Generation during the Previous day

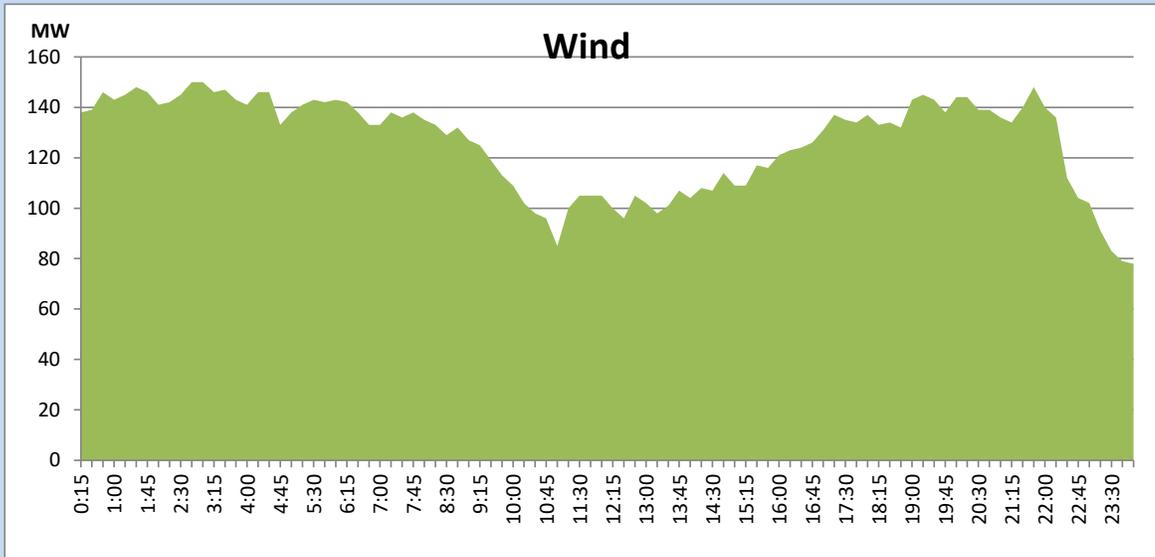
August 18, 2022



Wind Generation during the Previous day

August 18, 2022

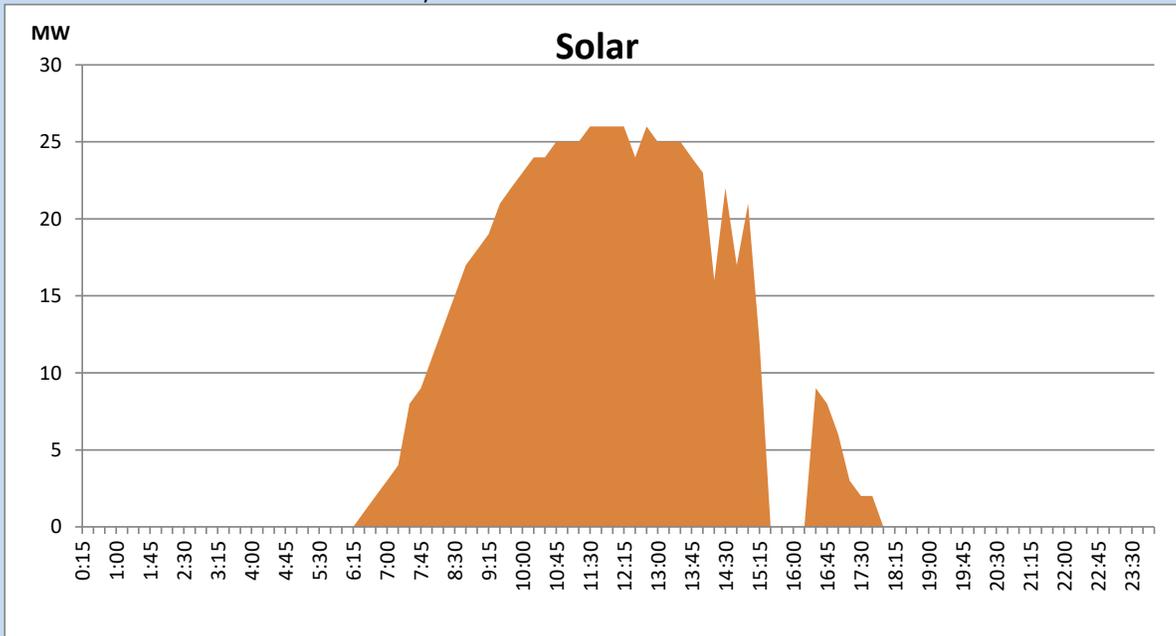
Based on Telemetered Power Stations only



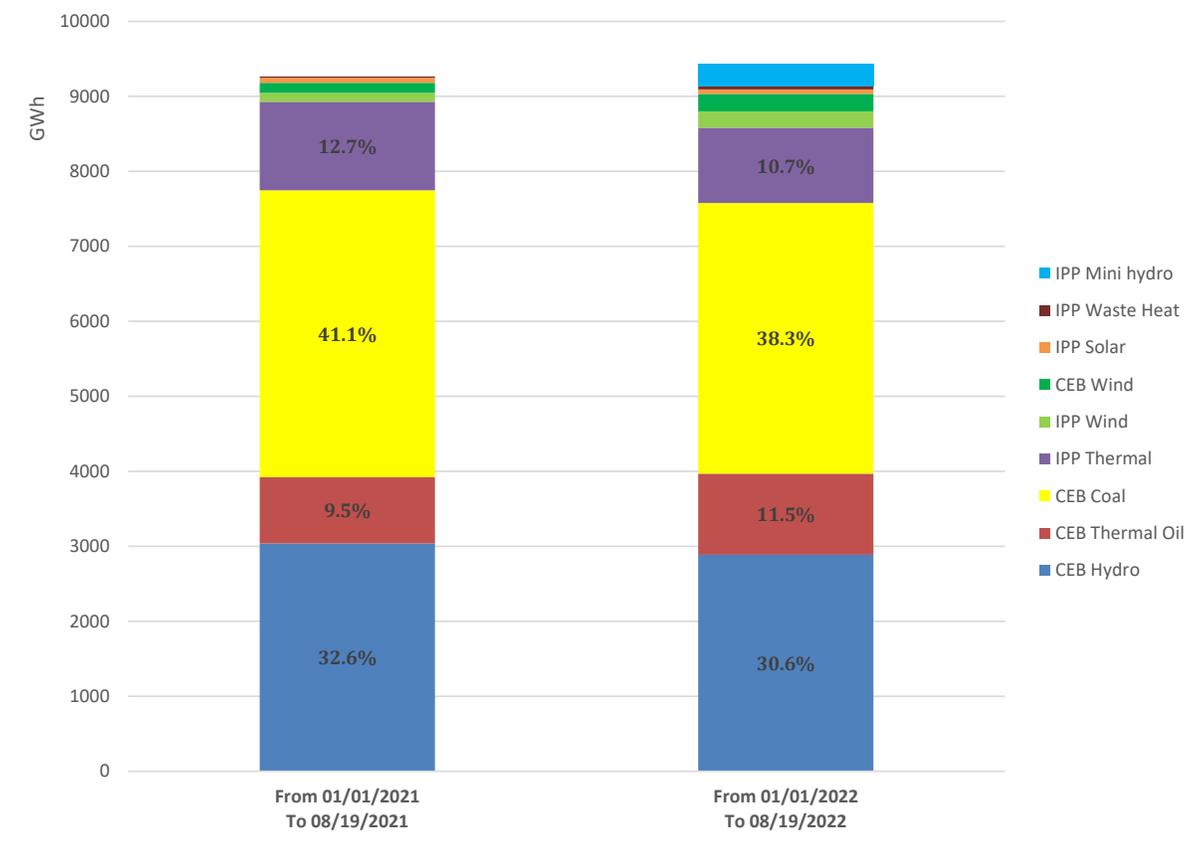
Solar Generation during the Previous day

August 18, 2022

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 during the day -as reported by CEB morning of

August 20, 2022

- 1) Rotational manual load shedding was carried out from 05:30 hrs to 08:30 hrs and 13:00 hrs to 22:00 hrs.
- 2) Kotugoda – Kelaniya cct tripped from both ends at 12:39hrs, due to the operation of distance protection. At the same time, Sub F – Sub L cct tripped from Sub F end while Sub N – Sub F cct tripped from Sub N end, causing the Sub F GSS to be dead. Moreover, at the same time Sub L – Kerawalapitiya cct tripped from Sub L end. Kotugoda – Kelaniya cct was restored at 13:15hrs. Sub F – Sub L, Sub N – Sub F and Sub L – Kerawalapitiya ccts were restored at 13:46hrs, 13:47hrs & 14:21hrs, respectively. All affected feeders in Sub F GSS were restored by 14:06hrs.
- 3) Galle - Deniyaya cct which was tripped from both ends at 01:21hrs was restored by 19:06 hrs.
- 4) Padukka - New Polpitiya cct 02 tripped and A/R from Padukka end at 16:15 hrs due to operation of differential protection.