

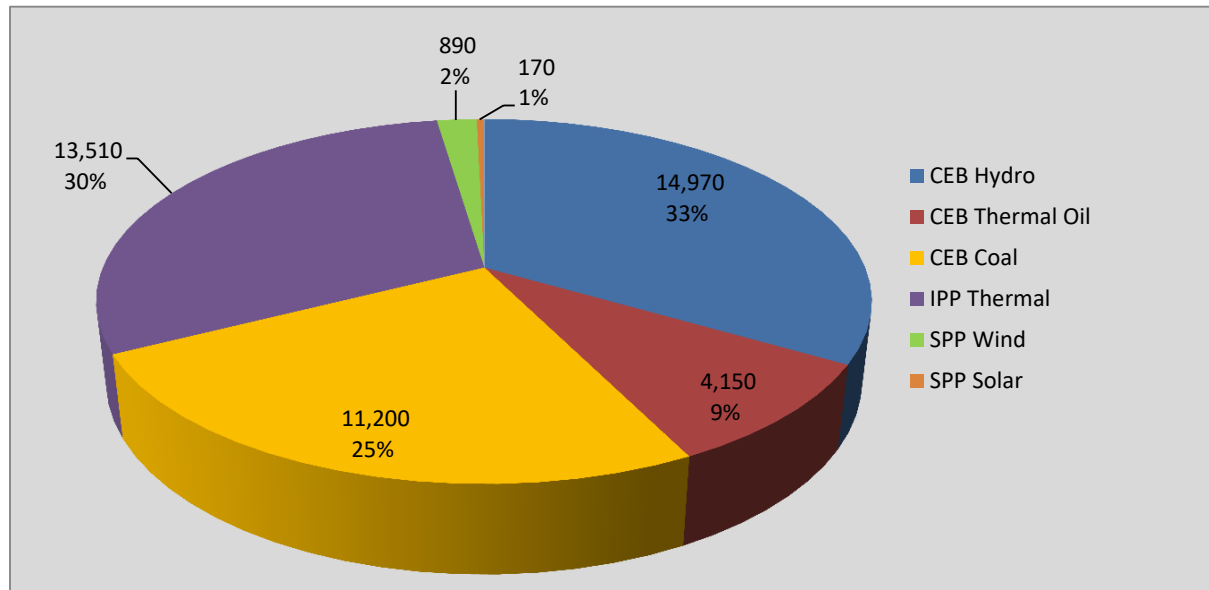
Generation and Reservoirs Statistics

August 28, 2020



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation 44,880 MWh

Note: Generation from other SPPs (Mini Hydro and Biomass) is not included

Cumulative Dispatch

Note: Generation from other SPPs (Mini Hydro, small scale Solar and Biomass) is not included

For Current Month

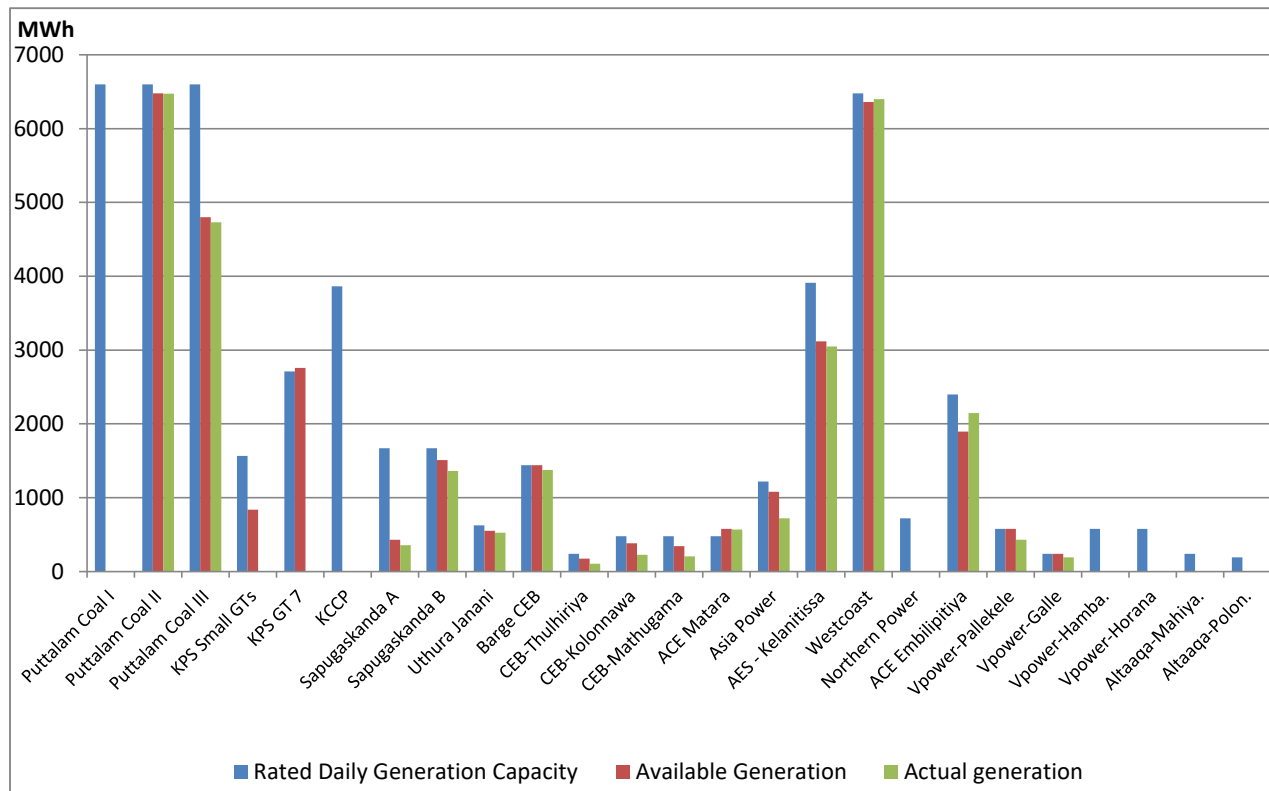
Category	Dispatch (GWh)	
CEB Hydro	430.0	38.99%
CEB Thermal Oil	95.1	8.62%
CEB Coal	369.0	33.46%
IPP Thermal	169.3	15.35%
SPP Wind	31.7	2.87%
SPP Solar	7.8	0.71%
Total	1,102.8	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	2,292.8	24.18%
CEB Thermal Oil	1,042.4	10.99%
CEB Coal	3,938.4	41.53%
IPP Thermal	1,928.0	20.33%
SPP Wind	213.6	2.25%
SPP Solar	67.5	0.71%
Total	9,482.6	

Thermal Plant Dispatch on

August 28, 2020

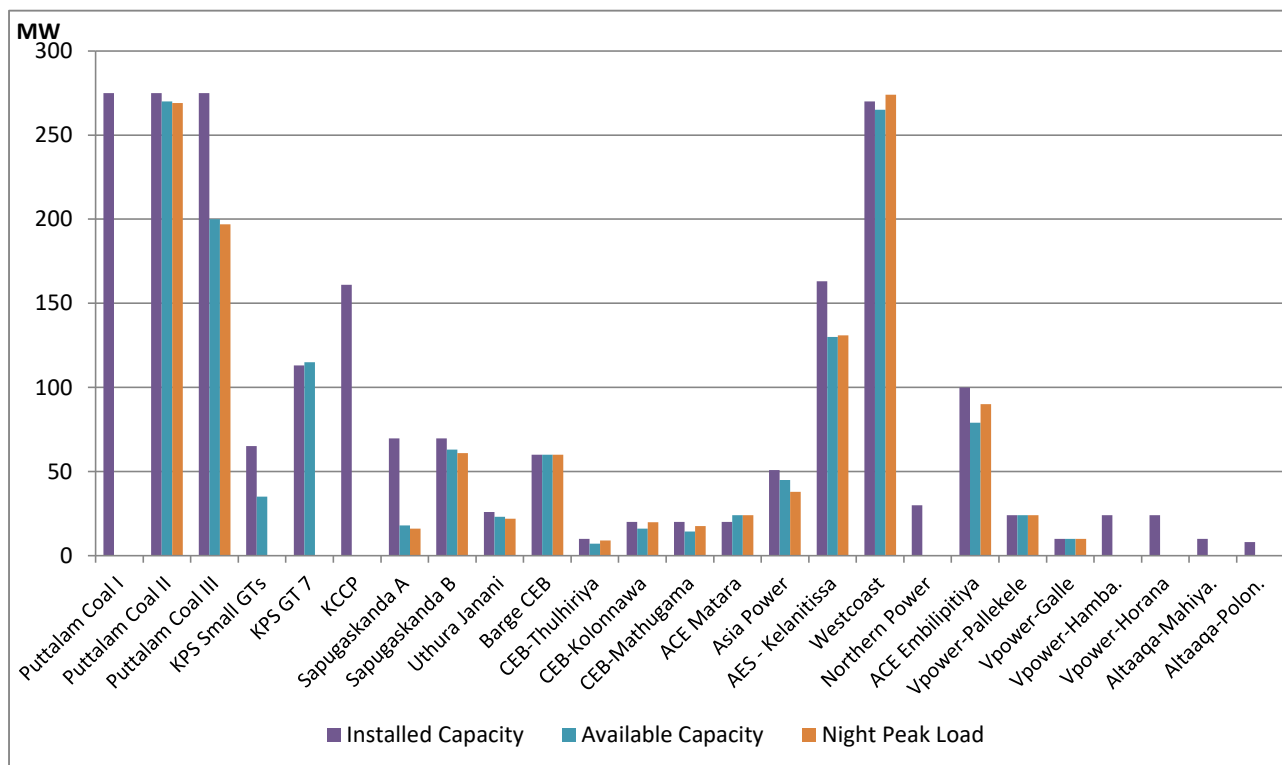


Note- Available Generation is estimated based on plant availability at 6.00am on

August 29, 2020

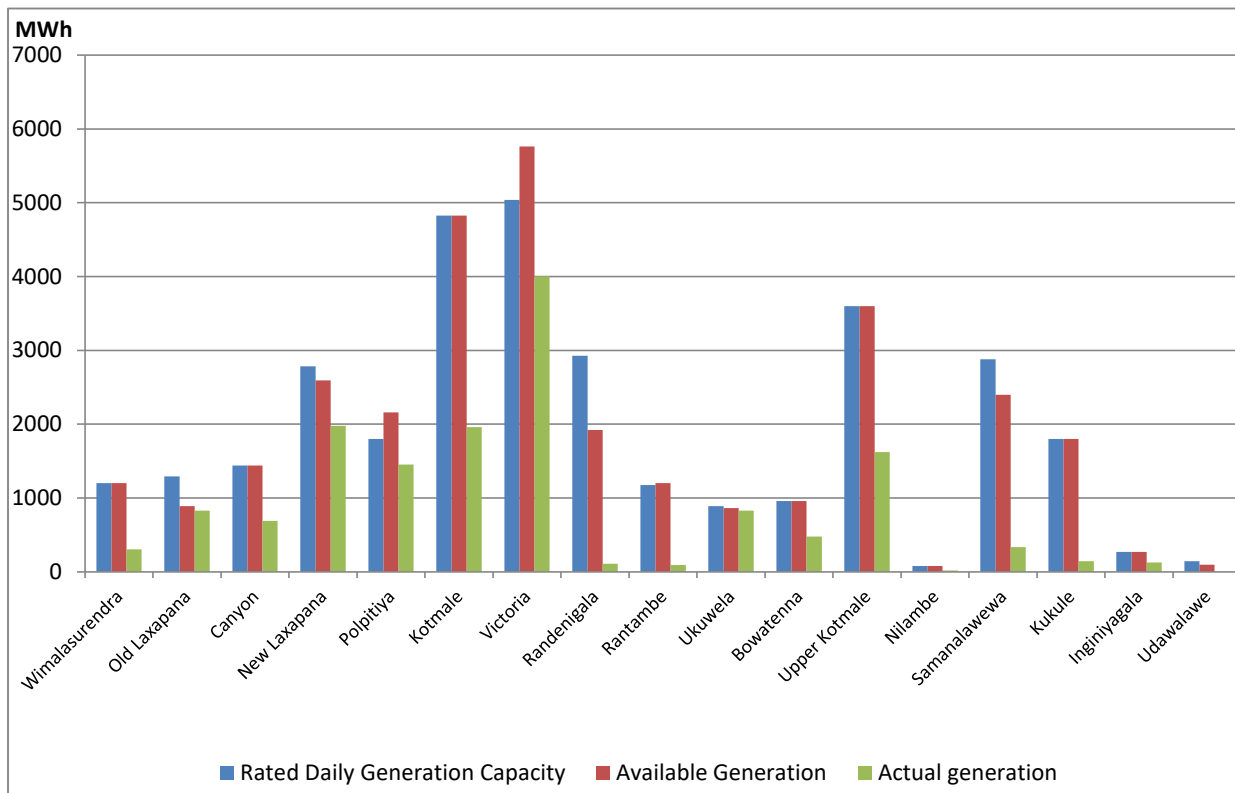
Thermal Plant Loading at thhe Night Peak on

August 28, 2020



Note- Plant availability is recorded at 6.00 am on August 29, 2020

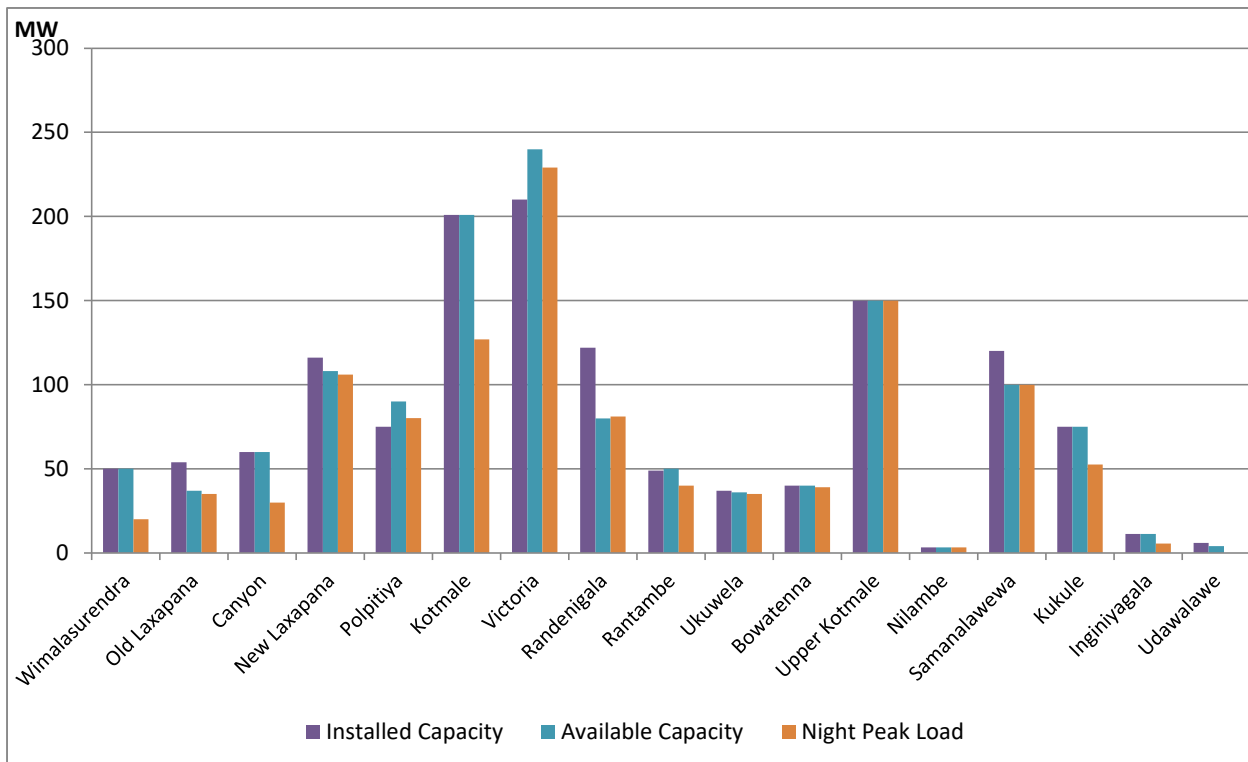
Major Hydro Plant Dispatch on August 28, 2020



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

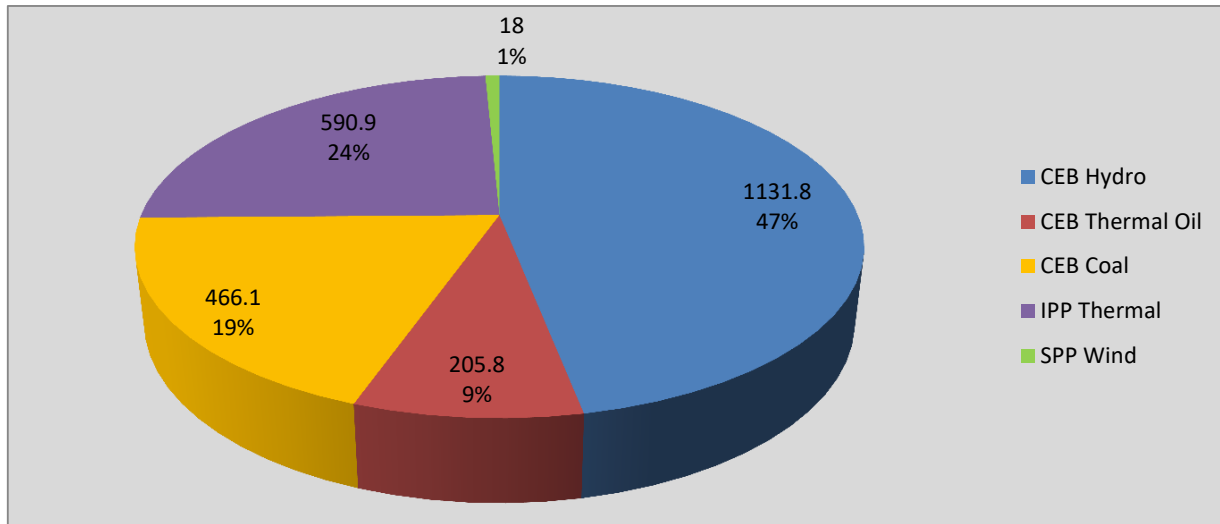
August 29, 2020

Major Hydro Plant Loading at Night Peak August 28, 2020



Note- Plant availability is recorded at 6.00 am on August 29, 2020

Contribution to the Night Peak in MW



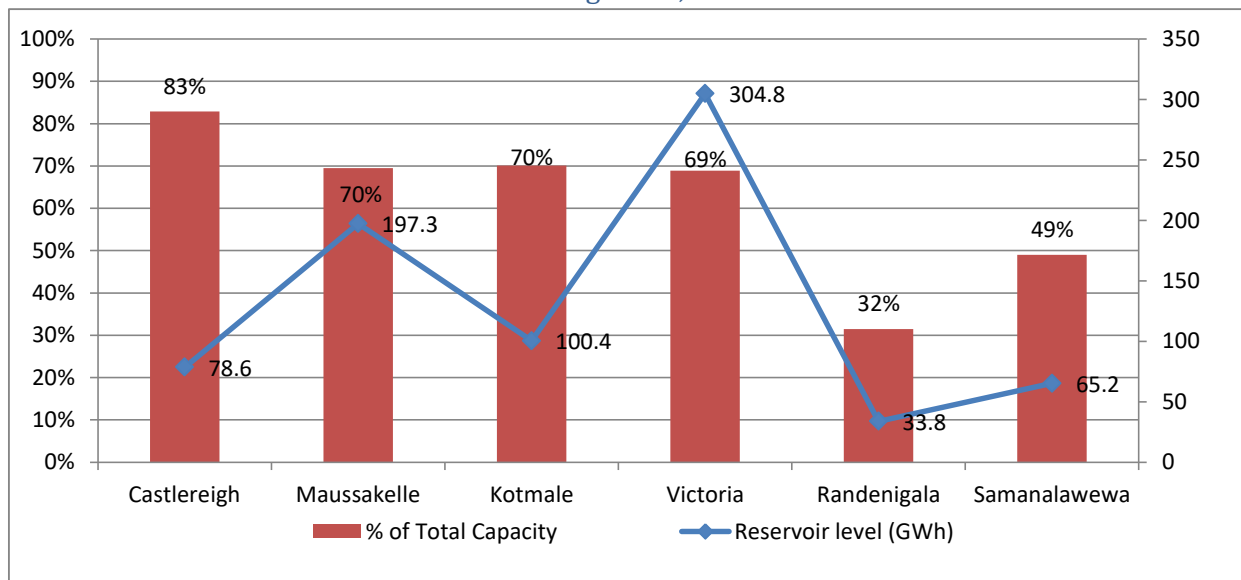
Night Peak*	2,412.5 MW
Day Peak	2,138.6 MW
Minimum Demand	1,334.5 MW

Notes: *The above chart pattern and night peak figure is presented excluding the contribution of Moragahakanda, other minihydro and biomass power plants from June 8 2020 onwards

**Day peak and Minimum demand includes the contribution from Moragahakanda, wind and solar plants

* in addition to the night peak figure presented above, Moragahakanda plant, other MiniHydro and Biomass Plants of installed capacity 203.00 MW has recorded total 71.50 MW at night peak

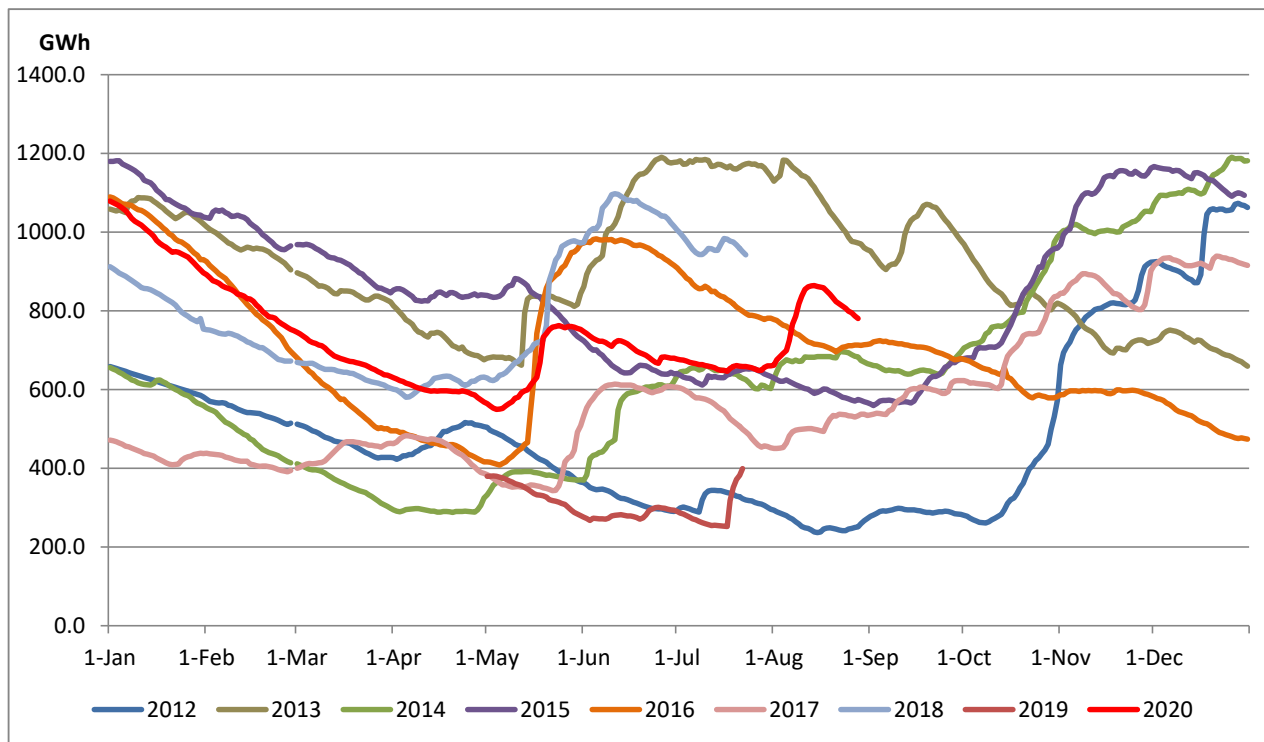
Reservoir Levels - as at 06.00 Hr on August 29, 2020



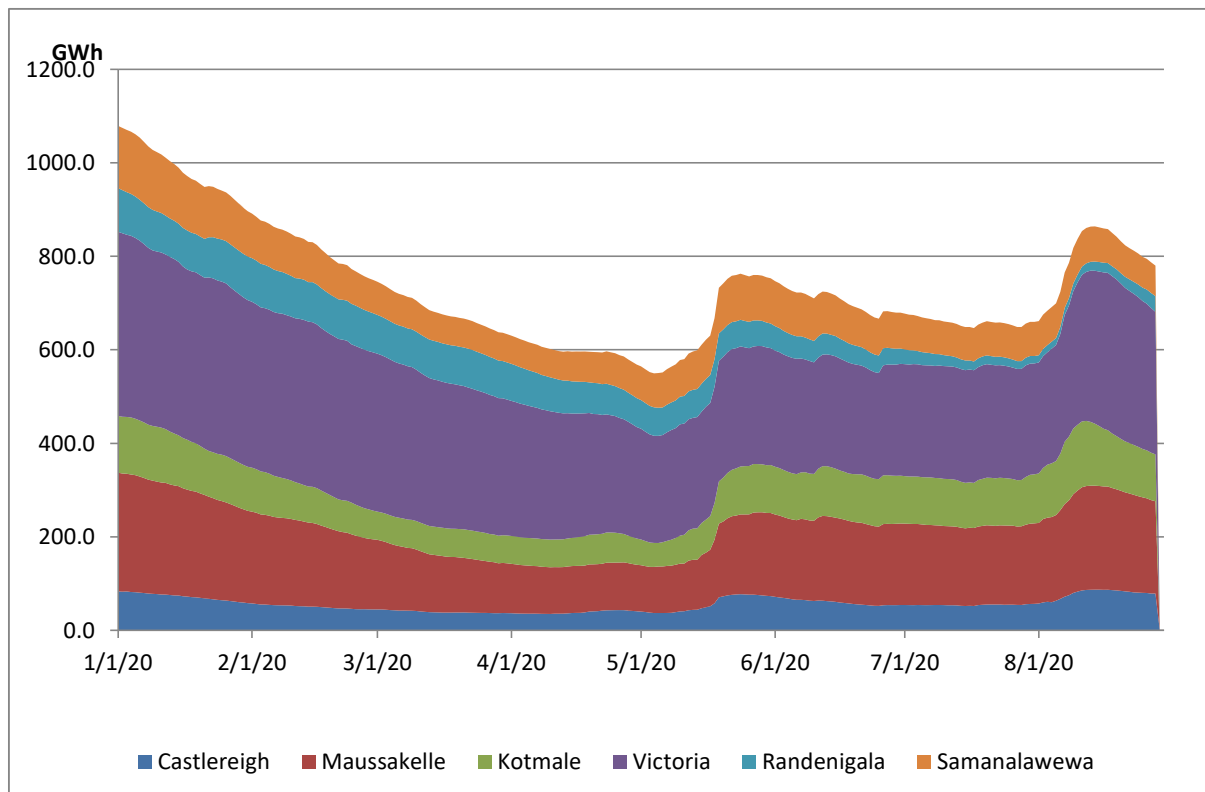
Total Reservoir Level(GWh) 780.1
% of Total capacity 64.7%

Comparison of Total Reservoir Storage Levels with Past Years

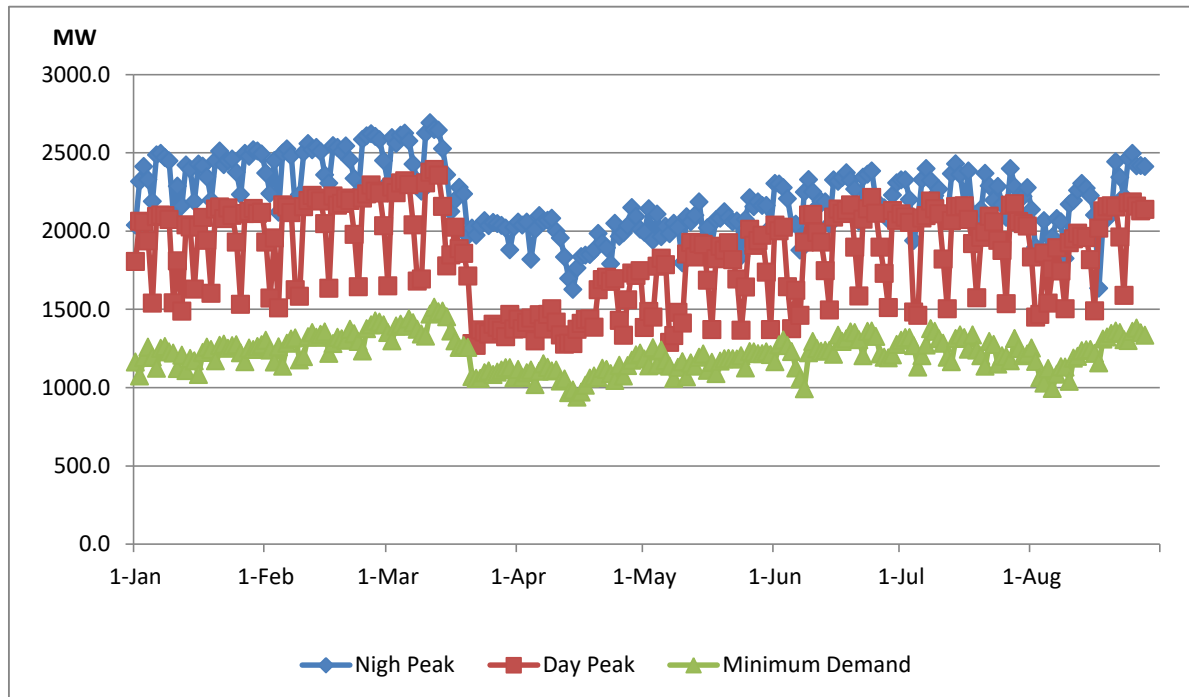
Data from June 2018 to March 2020 are not indicated in the graph



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



Variation of Demand during the current year



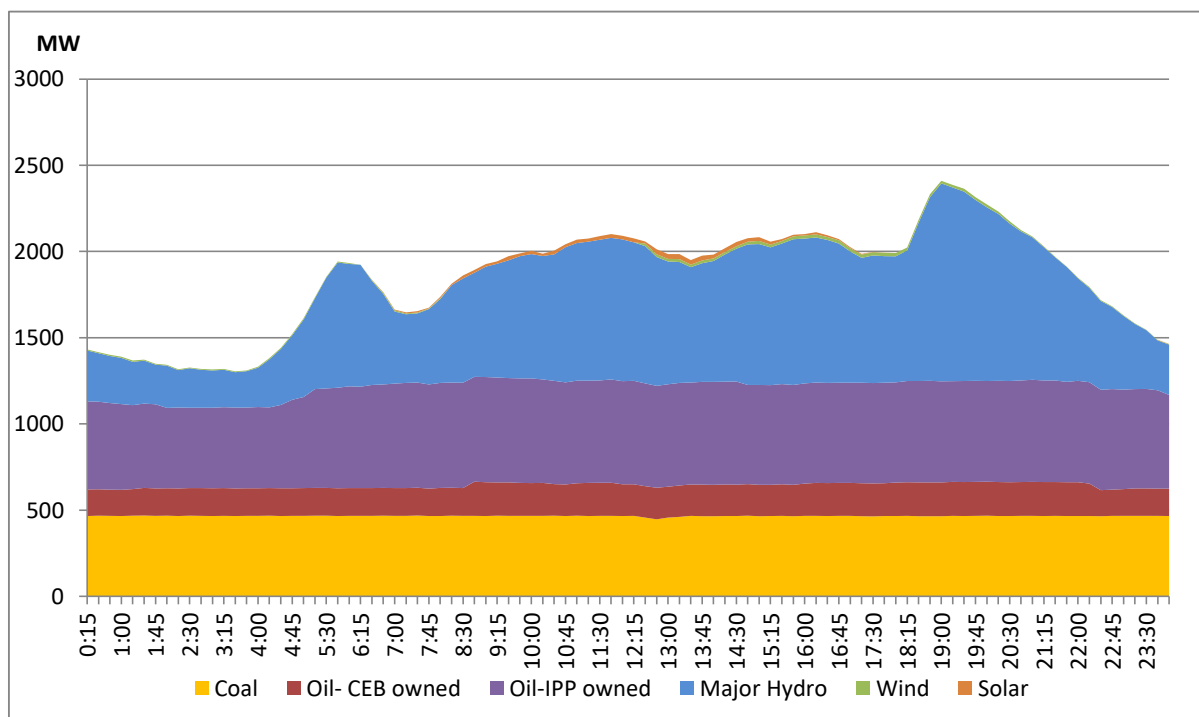
Notes: The night peak graph in the above chart is revised from June 8, 2020 to exclude the contribution from Minihydro and biomass power plants

Day peak and minimum demand graphs includes the contribution from Moragahakanda power plant

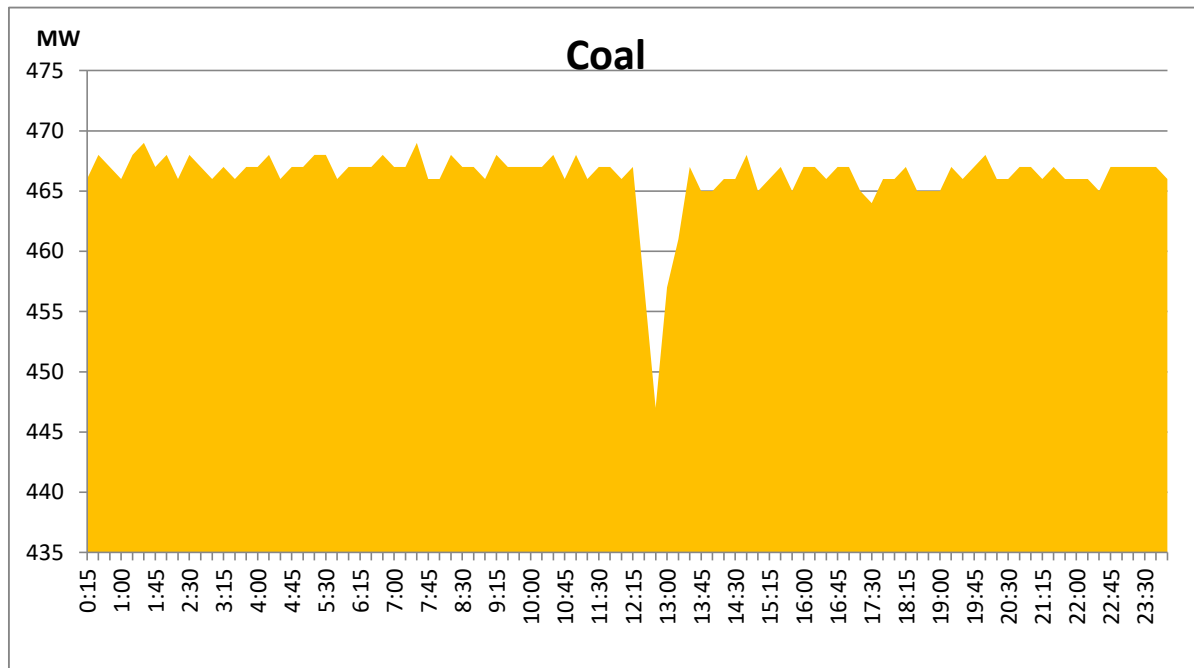
All graphs include the contribution telemetered from solar and wind plants

Daily Load Curve - August 27, 2020

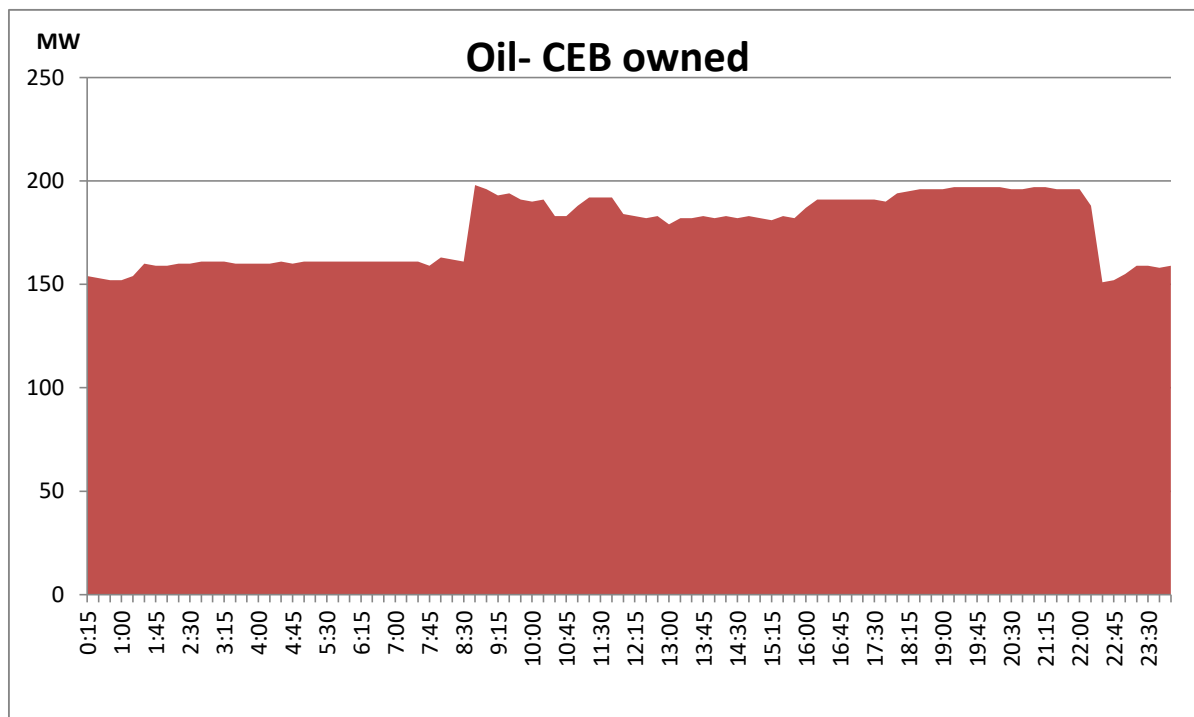
Solar and wind data is based on Telemetered Power Stations only



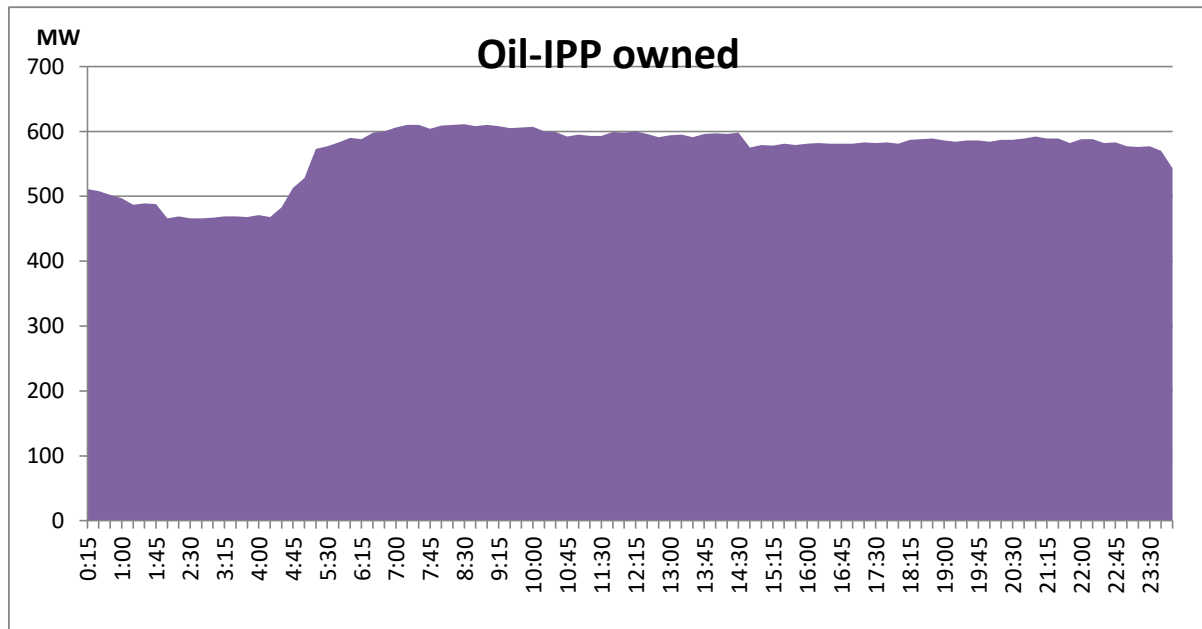
Coal generation during the day, August 27, 2020



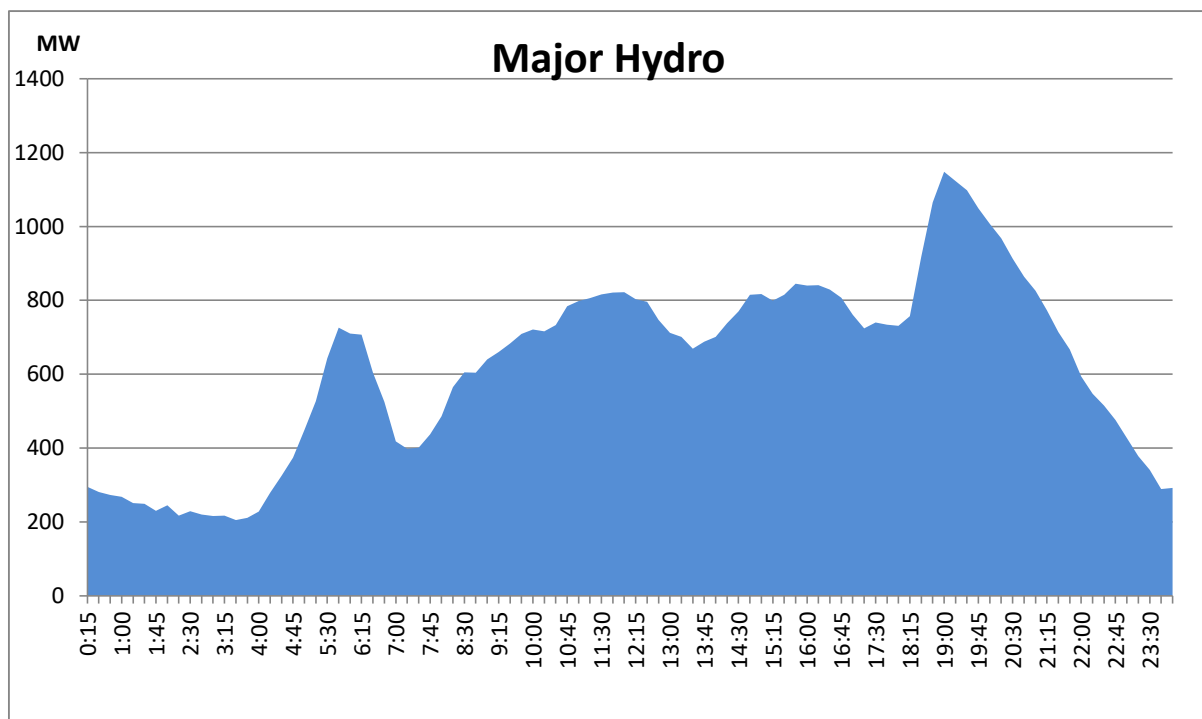
CEB Oil plant generation during, August 27, 2020



IPP Oil Plant generation during , August 27, 2020

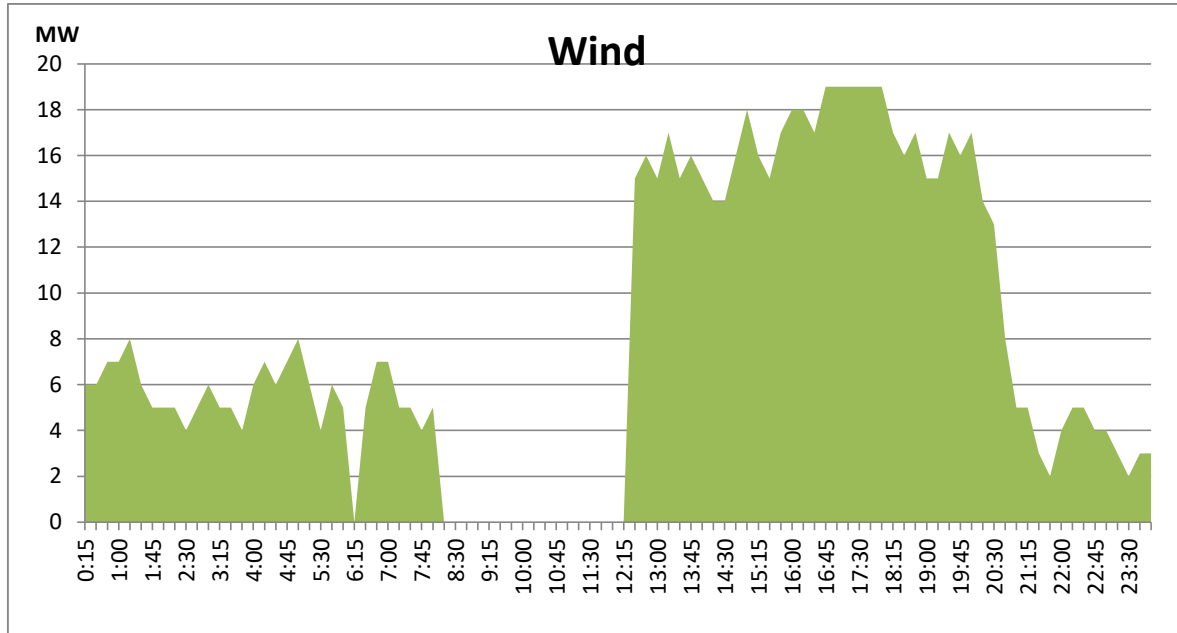


Major Hydro generation during the August 27, 2020



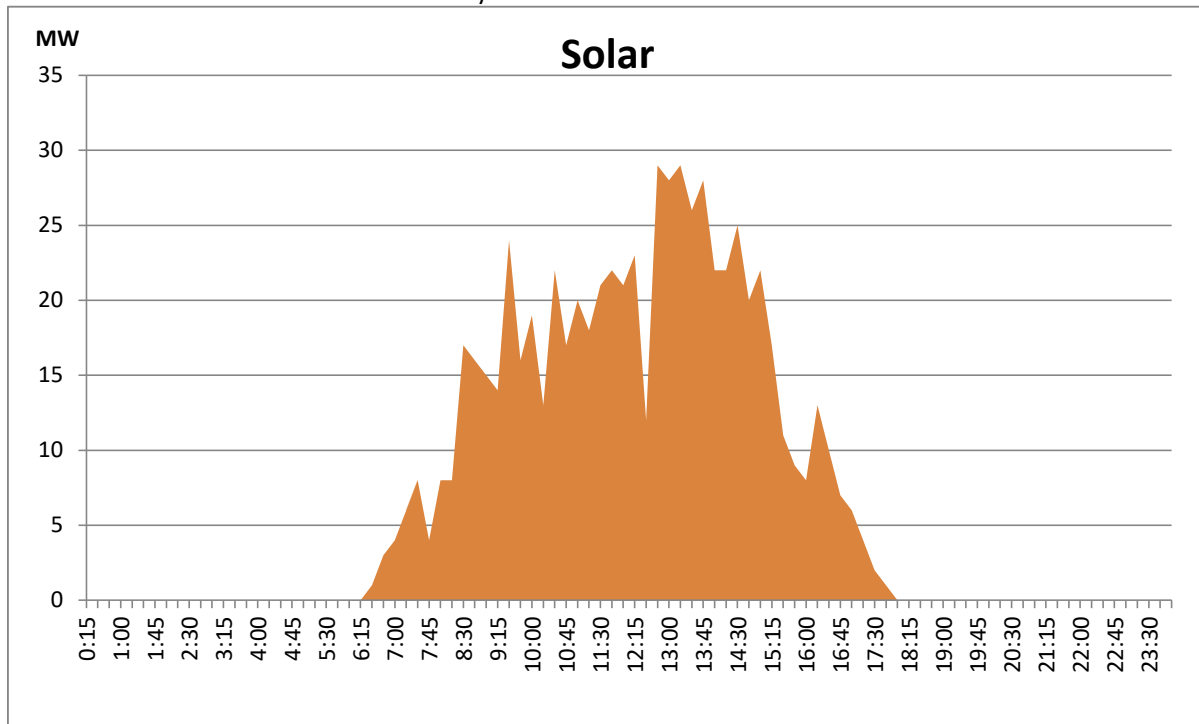
Wind generation during the day, August 27, 2020

Based on Telemetered Power Stations only



Solar generation during the day, August 27, 2020

Based on Telemetered Power Stations only



Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(GWh)
Wimalasurendra	50.00	50.00	20.00	303.00
Old Laxapana	53.80	37.00	35.00	828.00
Canyon	60.00	60.00	30.00	690.00
New Laxapana	116.00	108.00	106.00	1,976.00
Polpitiya	75.00	90.00	80.20	1,452.00
Kotmale	201.00	201.00	127.00	1,960.00
Victoria	210.00	240.00	229.00	4,000.00
Randenigala	122.00	80.00	81.00	110.00
Rantambe	49.00	50.00	40.00	93.00
Ukuwela	37.00	36.00	35.00	831.00
Bowatenna	40.00	40.00	39.00	479.00
Upper Kotmale	150.00	150.00	150.00	1,623.00
Nilambe	3.20	3.20	3.20	18.00
Samanalawewa	120.00	100.00	100.00	334.00
Kukule	75.00	75.00	52.50	145.00
Inginiyagala	11.25	11.25	5.50	128.00
Udawalawe	6.00	4.00	-	-
Puttalam Coal I	275.00	-	-	-
Puttalam Coal II	275.00	270.00	269.00	6,474.00
Puttalam Coal III	275.00	200.00	197.00	4,729.00
KPS Small GTs	65.20	35.00	-	-
KPS GT 7	113.00	115.00	-	-
KCCP	161.00	-	-	-
Sapugaskanda A	69.60	18.00	16.00	355.00
Sapugaskanda B	69.60	63.00	61.00	1,363.00
Uthura Janani	26.01	23.00	22.00	524.00
Barge CEB	60.00	60.00	60.00	1,374.00
CEB-Thulhiriya	10.00	7.20	9.00	104.00
CEB-Kolonnawa	20.00	16.00	19.80	227.00
CEB-Mathugama	20.00	14.40	17.60	204.00
ACE Matara	20.00	24.00	24.00	569.00
Asia Power	50.80	45.00	38.00	719.00
AES - Kelanitissa	163.00	130.00	131.00	3,047.00
Westcoast	270.00	265.00	274.00	6,401.00
Northern Power	30.00	-	-	-
ACE Embilipitiya	100.00	79.00	90.00	2,146.00
Vpower-Pallekele	24.00	24.00	24.00	431.00
Vpower-Galle	10.00	10.00	10.00	194.00
Vpower-Hamba.	24.00	-	-	-
Vpower-Horana	24.00	-	-	-
Altaaqa-Mahiya.	10.00	-	-	-
Altaaqa-Polon.	8.00	-	-	-
Solar	58.00		-	169.00
Wind	128.00		18.00	886.00
MH and BM	394.00		72.00	Not available
	3,552.46	2,734.05	818.41	

Night peak load of MH and BM only include loading of Minihydro plants of total capacity MW 203

Instaled capacity of Solar, wind, Mini-hydro and Biomass plants are as of end of December 2019

Plant availability is the availability recorded at 6 am on

August 29, 2020

Major Incidents during the day

1) Nil.

Unavailable/ Partially Available Plants

Plant	Installed Capacity (MW)	Availability (MW)	Unavailable Capacity
Old Laxapana Unit 1	9.6	0	9.6
Old Laxapana Unit 2	9.6	6	3.6
Old Laxapana Unit 2	9.6	6	3.6
Samanalawewa Unit 2	60	40	20
Kalanithssa Small GT No 4	16.3	0	16.3
Kalanithssa Small GT No 5	16.3	0	16.3
Kalanithissa Combined Cycle	161	0	161
Sapugaskanda A- Unit 2	17.4	0	17.4
Sapugaskanda A- Unit 3	17.4	0	17.4
Sapugaskanda A- Unit 4	17.4	0	17.4
Sapugaskanda A- Unit 6	8.7	0	8.7
Lakvijaya- Unit 1	270	0	270
Lakvijaya- Unit 3	270	200	70
CEB-Thulhiriya	10	7.2	2.8
CEB-Kolonnawa	20	16	4
CEB-Mathugama	20	14.4	5.6
Sojitz	163	130	33
Vpower-Hamba.	24.00	0	24
Vpower-Horana	24.00	0	24
Altaaqa-Mahiya.	10.00	0	10
Altaaqa-Polon.	8.00	0	8

PPA expired

PPA expired

PPA expired

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	Naptha & Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Furnace Oil

Power Station	Primary Fuel
Private Thermal	
Asia Power	Heavy Fuel
Sojitz - Kelanitissa	Auto Diesel
West Coast	Low Sulphur Furnace oil
ACE Embilipitiya	Furnace Oil