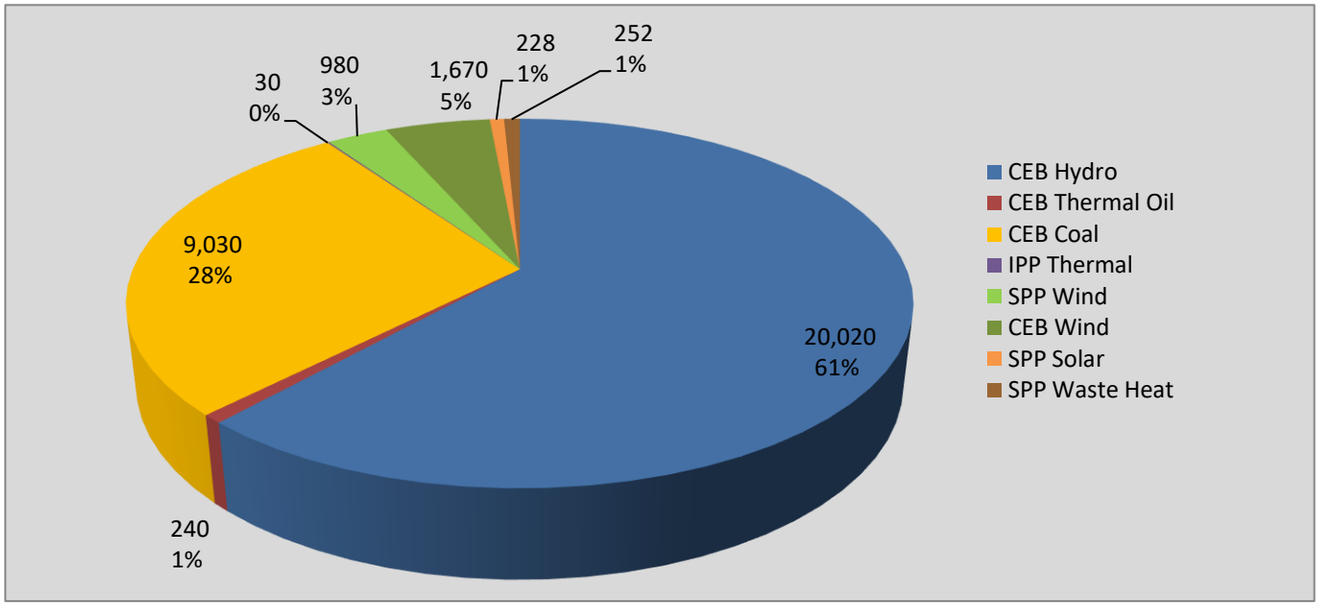
Generation and Reservoirs Statistics

July 11, 2021

PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation **32,440 MWh**

Note: Minihydro and Biomass and waste heat (except 10 MW WH plant at Kerawalapitiya) power plant energy is not included

Cumulative Dispatch

Note: Minihydro and Biomass and waste heat (except 10 MW WH plant at Kerawalapitiya) power plant energy is not included

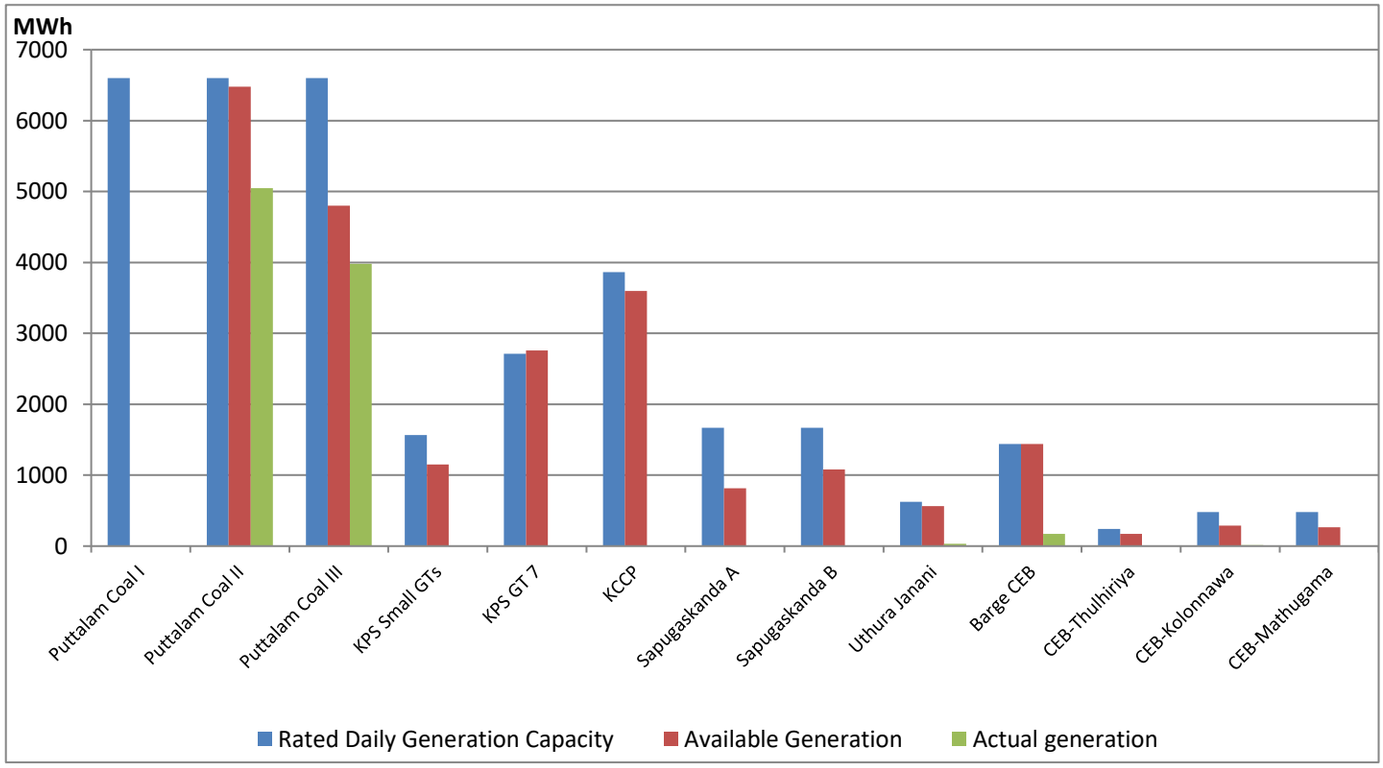
For Current Month

Category	Dispatch (GWh)	
CEB Hydro	188.5	43.03%
CEB Thermal Oil	43.6	9.95%
CEB Coal	135.8	31.00%
IPP Thermal	40.0	9.13%
SPP Wind	8.4	1.92%
CEB Wind	16.6	3.78%
SPP Solar	3.0	0.69%
SPP Waste Heat	2.2	0.51%
Total	**438.1**	

For Current Year

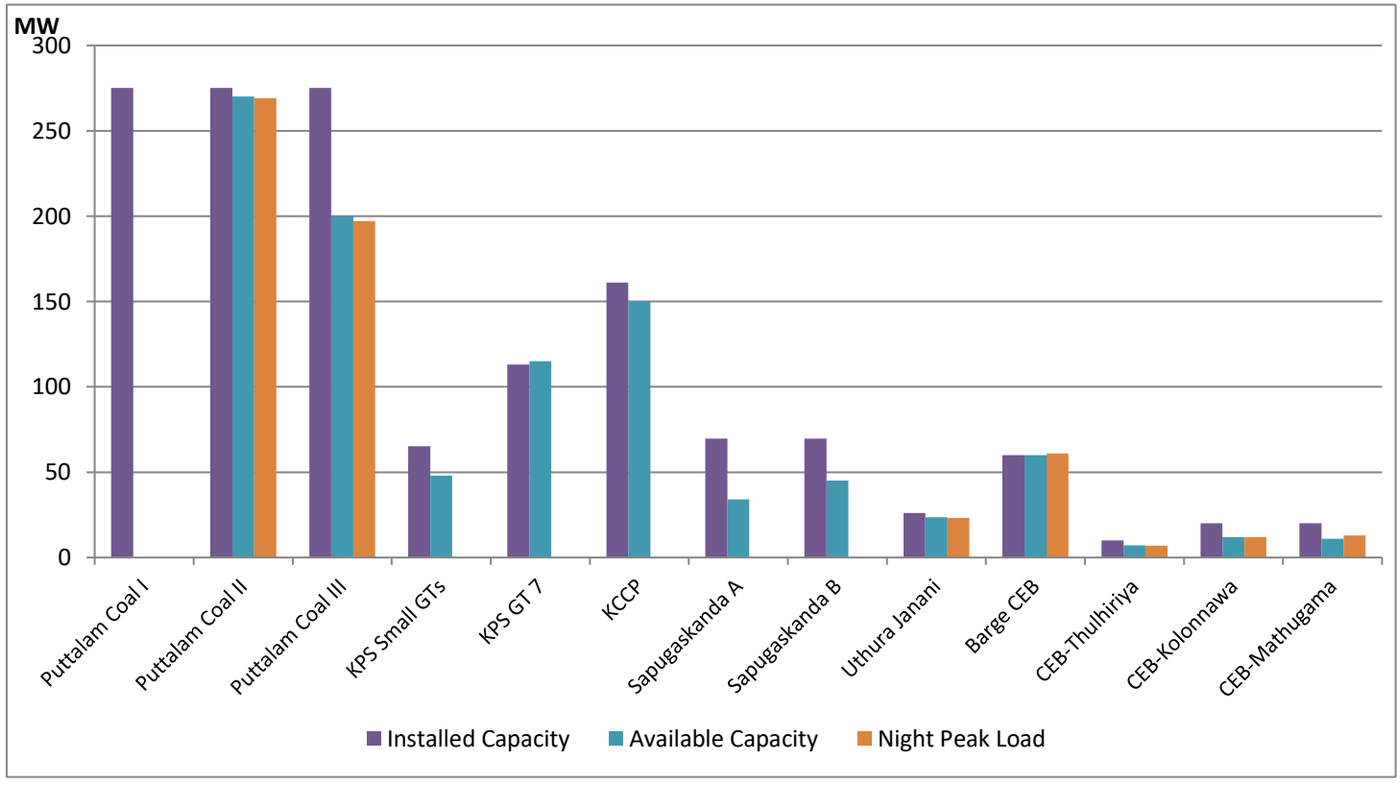
Category	Dispatch (GWh)	
CEB Hydro	2,347.2	30.51%
CEB Thermal Oil	758.4	9.86%
CEB Coal	3,230.9	42.00%
IPP Thermal	1,094.6	14.23%
SPP Wind	84.8	1.10%
CEB Wind	116.2	1.51%
SPP Solar	50.9	0.66%
SPP Waste Heat	10.4	0.14%
Total	**7,693.1**	

CEB owned Thermal Plant Dispatch July 11, 2021



Available Generation is estimated based on plant availability at 6.00am on July 12, 2021

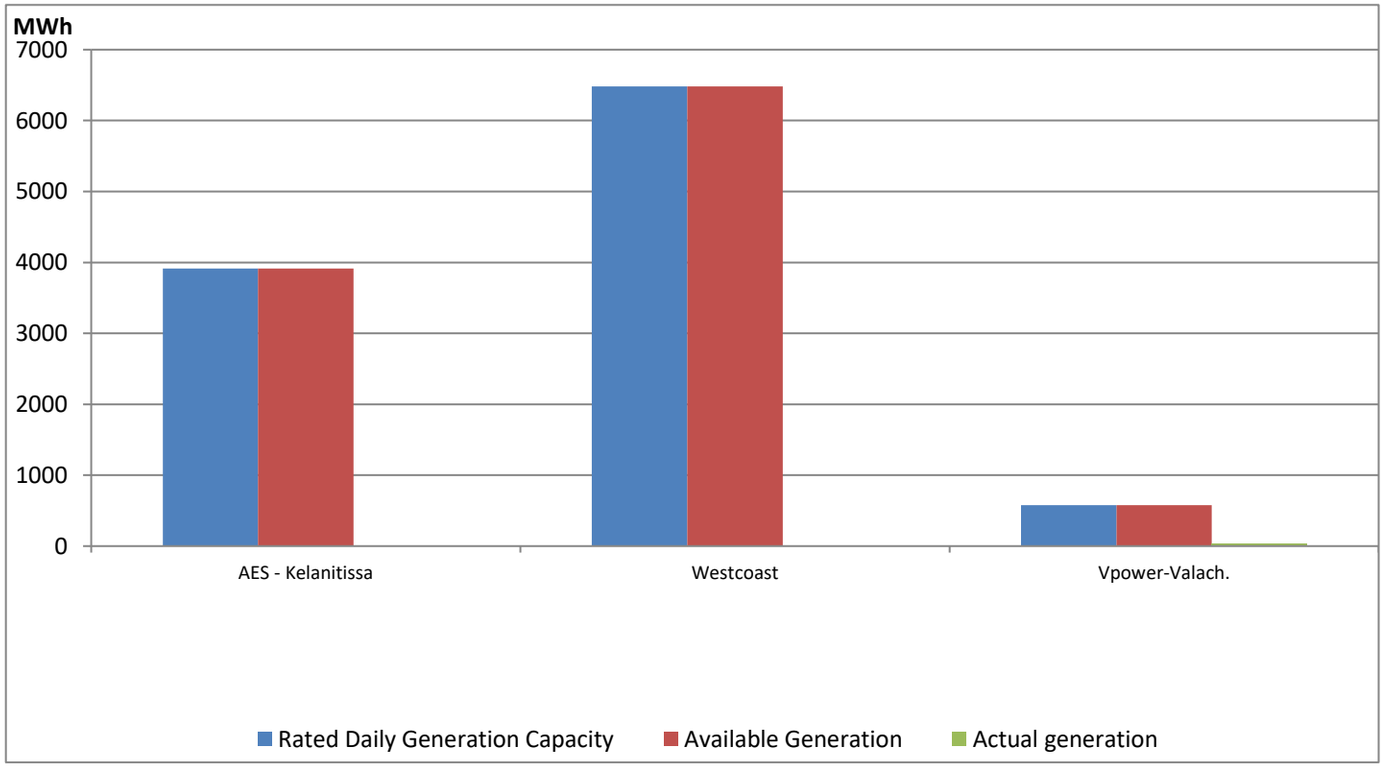
CEB owned Tharmal Plant Loading at the Night Peak



Note- Plant avilability is recorded at 6.00 am on July 12, 2021

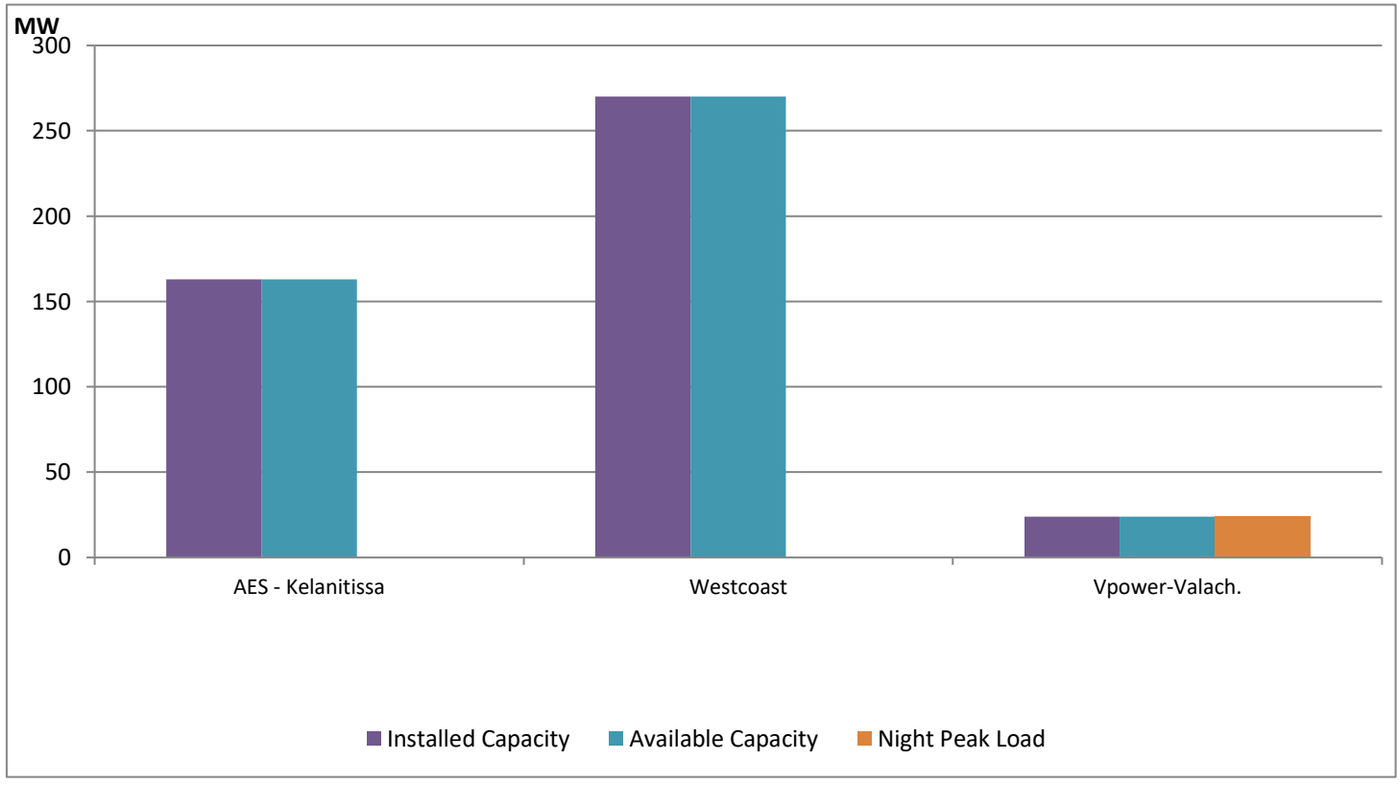
IPP owned Thermal Plant Dispatch July 11, 2021

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



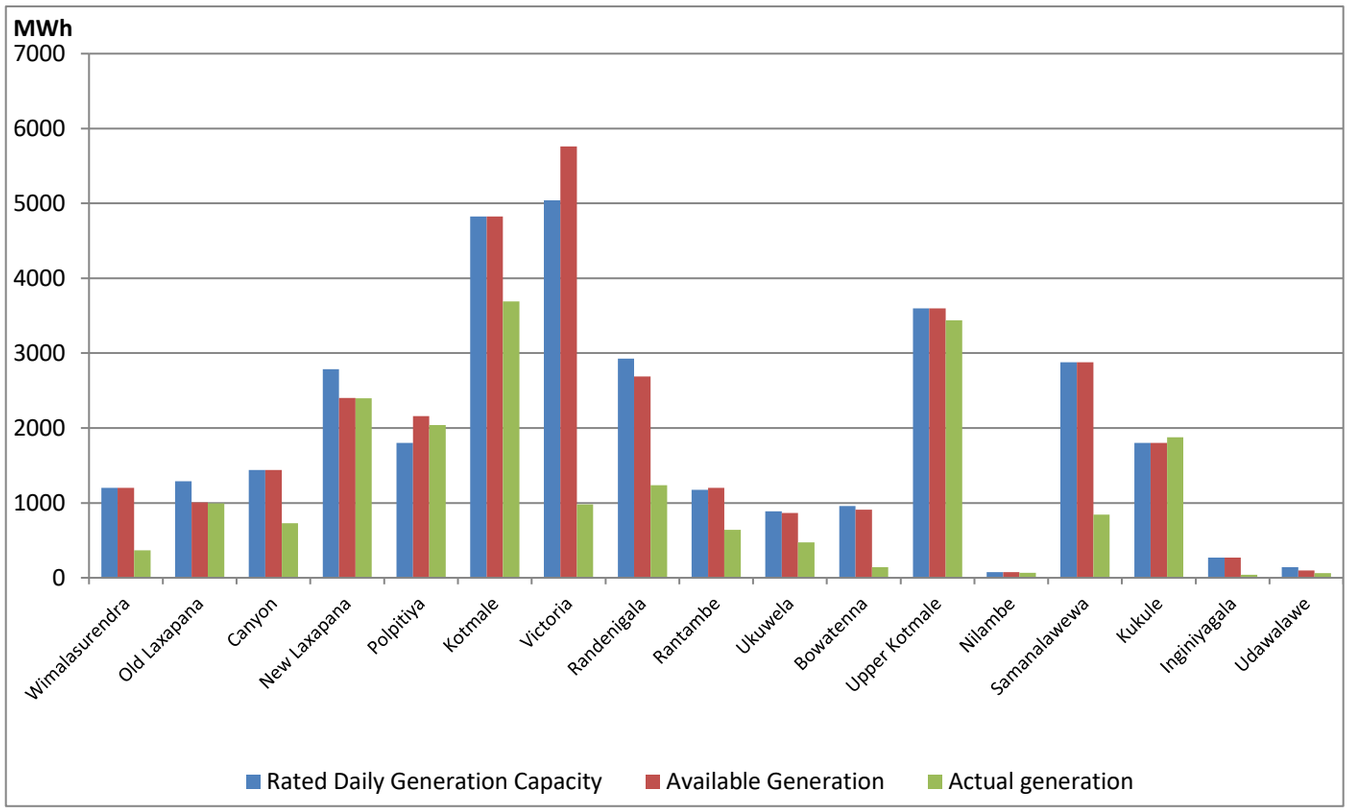
Available Generation is estimated based on plant availability at 6.00am on July 12, 2021

IPP owned Tharmal Plant Loading at the Night Peak



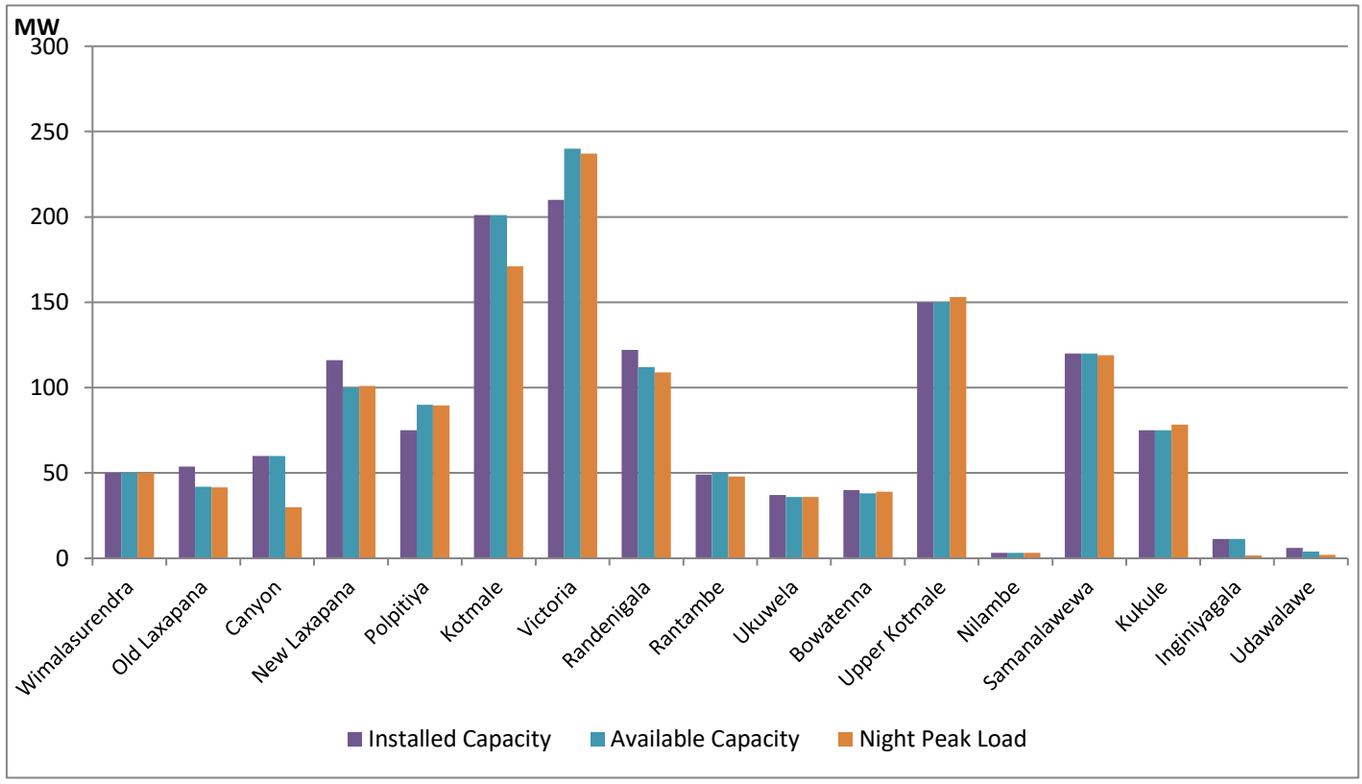
Note- Plant avilability is recorded at 6.00 am on July 12, 2021

Major Hydro Plant Dispatch July 11, 2021



Note- Available Generation is estimated based on plant availability at 6.00am on July 12, 2021

Major Hydro Plant Loading at Night Peak July 11, 2021



Note- Plant avilability is recorded at 6.00 am on July 12, 2021

Summary of Major Plant performance

Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(GWh)
Wimalasurendra	50.00	50.00	50.00	367.00
Old Laxapana	53.80	42.00	41.50	995.00
Canyon	60.00	60.00	30.00	730.00
New Laxapana	116.00	100.00	101.00	2,396.00
Polpitiya	75.00	90.00	89.60	2,039.00
Kotmale	201.00	201.00	171.00	3,690.00
Victoria	210.00	240.00	237.00	981.00
Randenigala	122.00	112.00	109.00	1,237.00
Rantambe	49.00	50.00	48.00	639.00
Ukuwela	37.00	36.00	36.00	471.00
Bowatenna	40.00	38.00	39.00	144.00
Upper Kotmale	150.00	150.00	153.00	3,440.00
Nilambe	3.20	3.20	3.20	68.00
Samanalawewa	120.00	120.00	119.00	844.00
Kukule	75.00	75.00	78.40	1,876.00
Inginiyagala	11.25	11.25	1.60	40.00
Udawalawe	6.00	4.00	2.00	64.00
Puttalam Coal I	275.00	-	-	-
Puttalam Coal II	275.00	270.00	269.00	5,046.00
Puttalam Coal III	275.00	200.00	197.00	3,979.00
KPS Small GTs	65.20	48.00	-	-
KPS GT 7	113.00	115.00	-	-
KCCP	161.00	150.00	-	-
Sapugaskanda A	69.60	34.00	-	-
Sapugaskanda B	69.60	45.00	-	-
Uthura Janani	26.01	23.50	23.20	33.00
Barge CEB	60.00	60.00	61.00	174.00
CEB-Thulhiriya	10.00	7.20	7.00	7.00
CEB-Kolonnawa	20.00	12.00	12.00	12.00
CEB-Mathugama	20.00	11.00	13.00	10.00
AES - Kelanitissa	163.00	163.00	-	-
Westcoast	270.00	270.00	-	-
Vpower-Valach.	24.00	24.00	24.00	25.00
Solar	58.00		-	233.00
Wind	128.00		59.10	2,652.00
MH and BM	394.00		143.40	Not available
Total without NCRE	3,538.46	2,815.15		

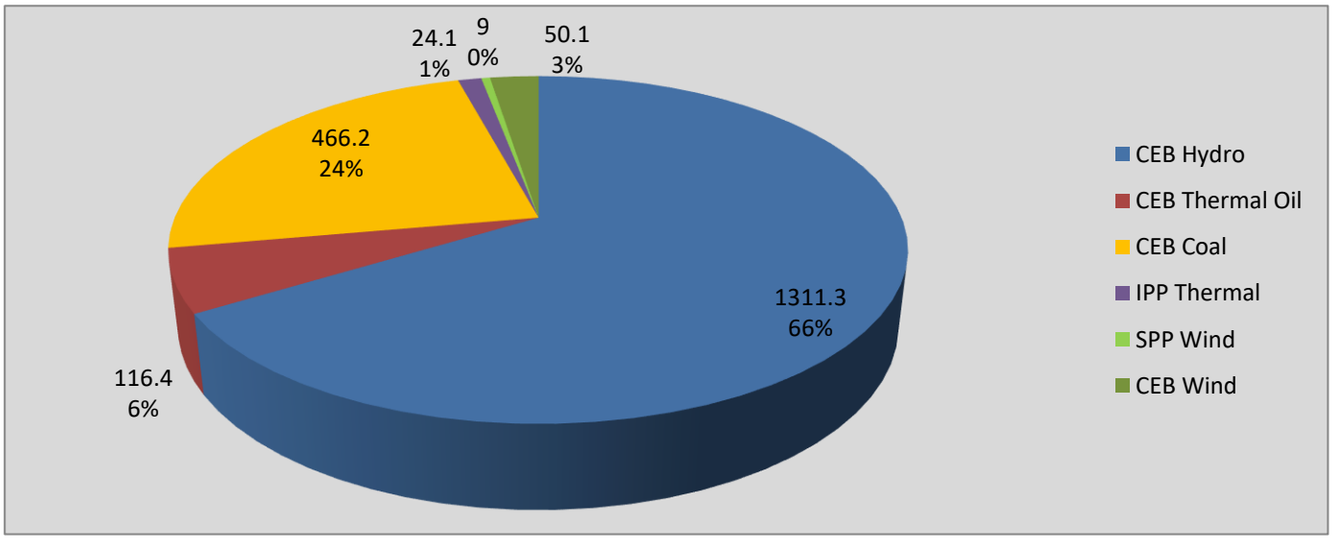
Night peak load of MH and BM only include loading of Minihydro plants of total capacity MW 192

Installed 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 July 12, 2021

Contribution to the Night Peak in MW

July 11, 2021



Night Peak*	1,977.1	MW
Day Peak	1,427.5	MW
Minimum Demand	1,145.8	MW

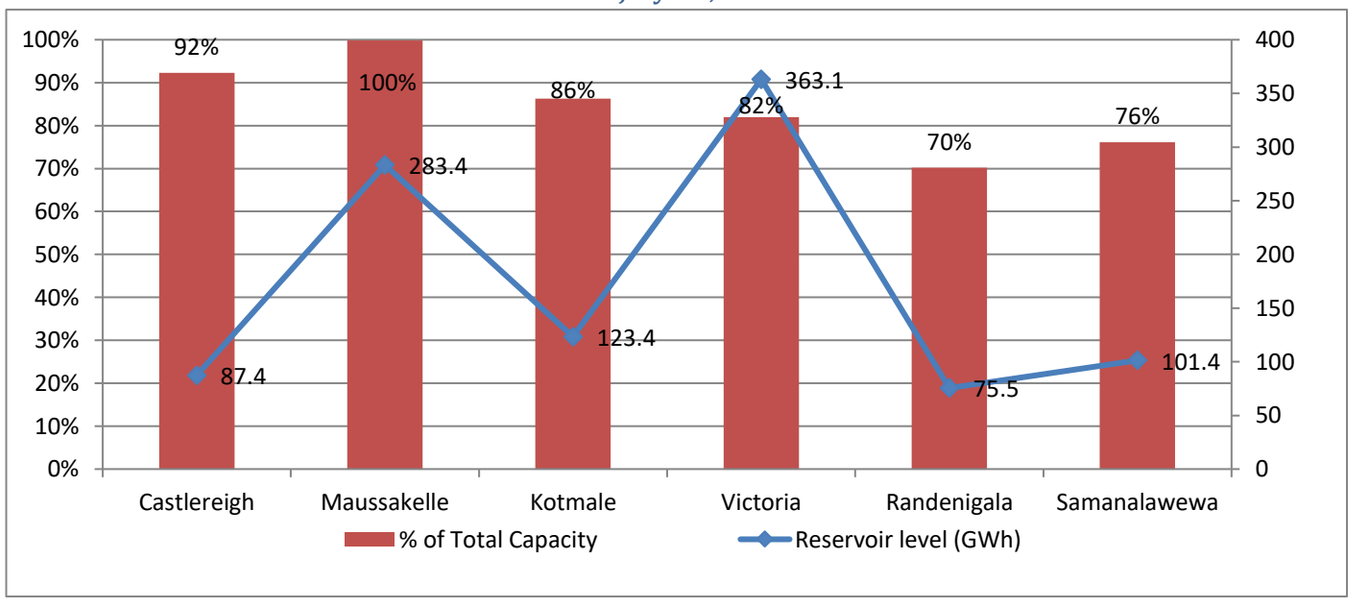
Notes:

*The above chart pattern and night peak figure is presented excluding the contribution of Moragahakanda, other minihydro and biomass power plants

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

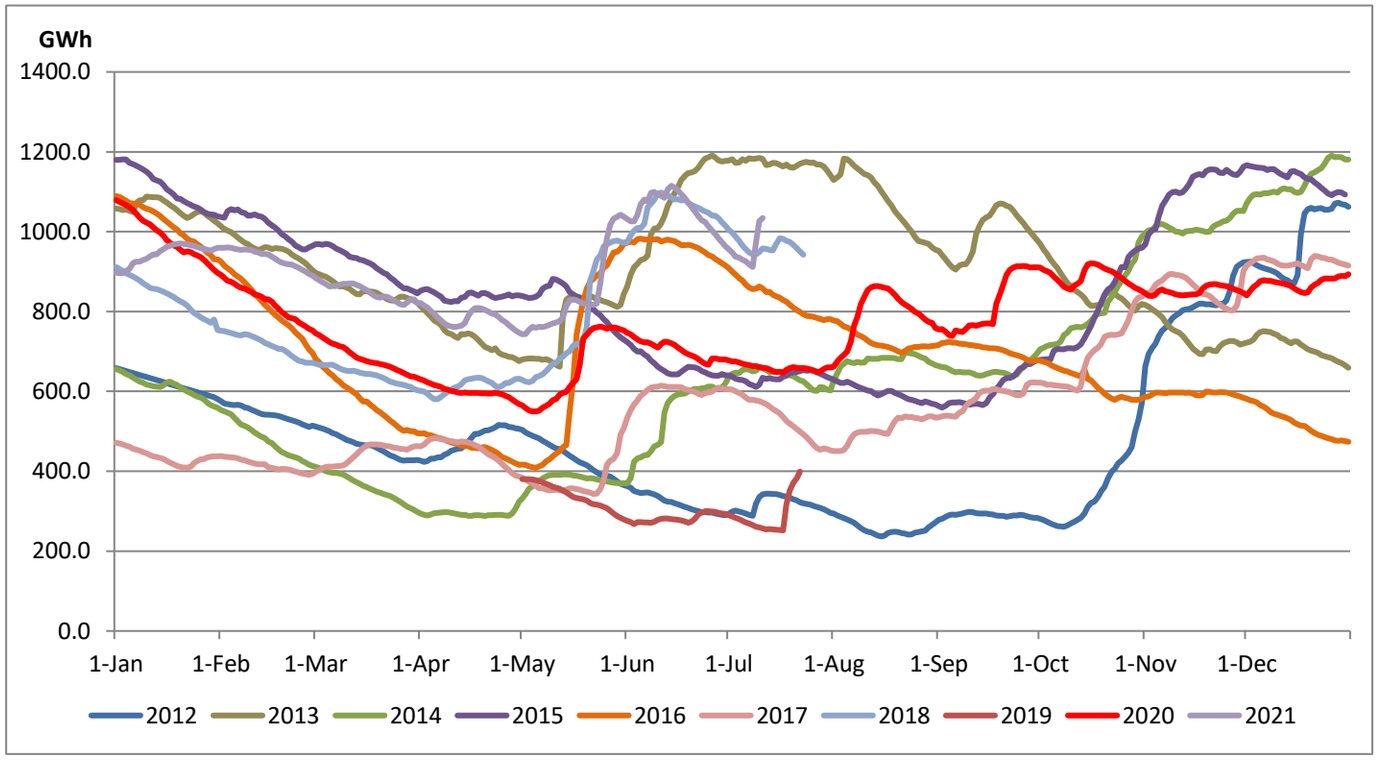
* in addition to the night peak figure presented above, Kerawalapitiya waste heat plant, other MiniHydro and Biomass Plants of installed capacity 192.00 MW has recorded total 143.40 MW at night peak

Reservoir Levels - as at 06.00 Hr on July 12, 2021



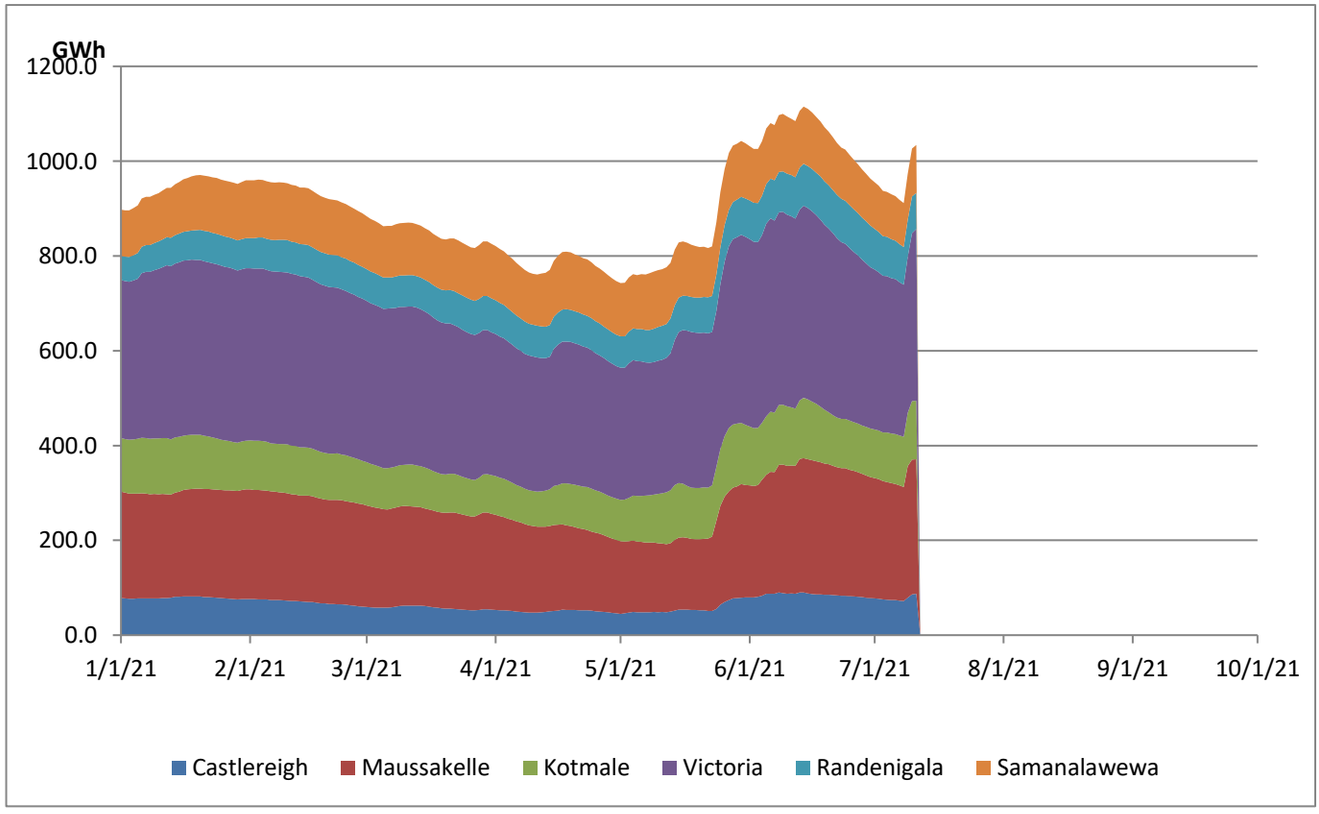
Total Reservoir Level(GWh)	1034.2
% of Total capacity	85.8%

Comparison of Total Reservoir Storage Levels with Past Years

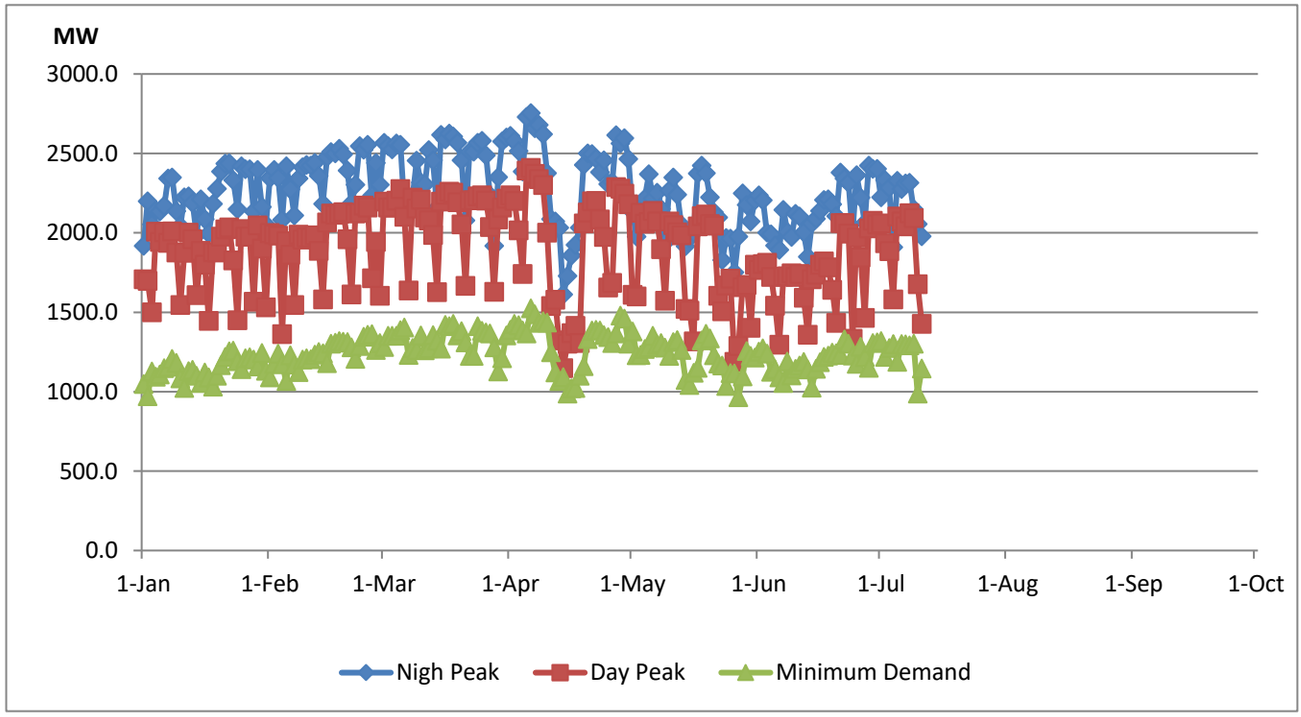


Data for 2018 and 2019 are only available for part of year.

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



Variation of Demand during the current year



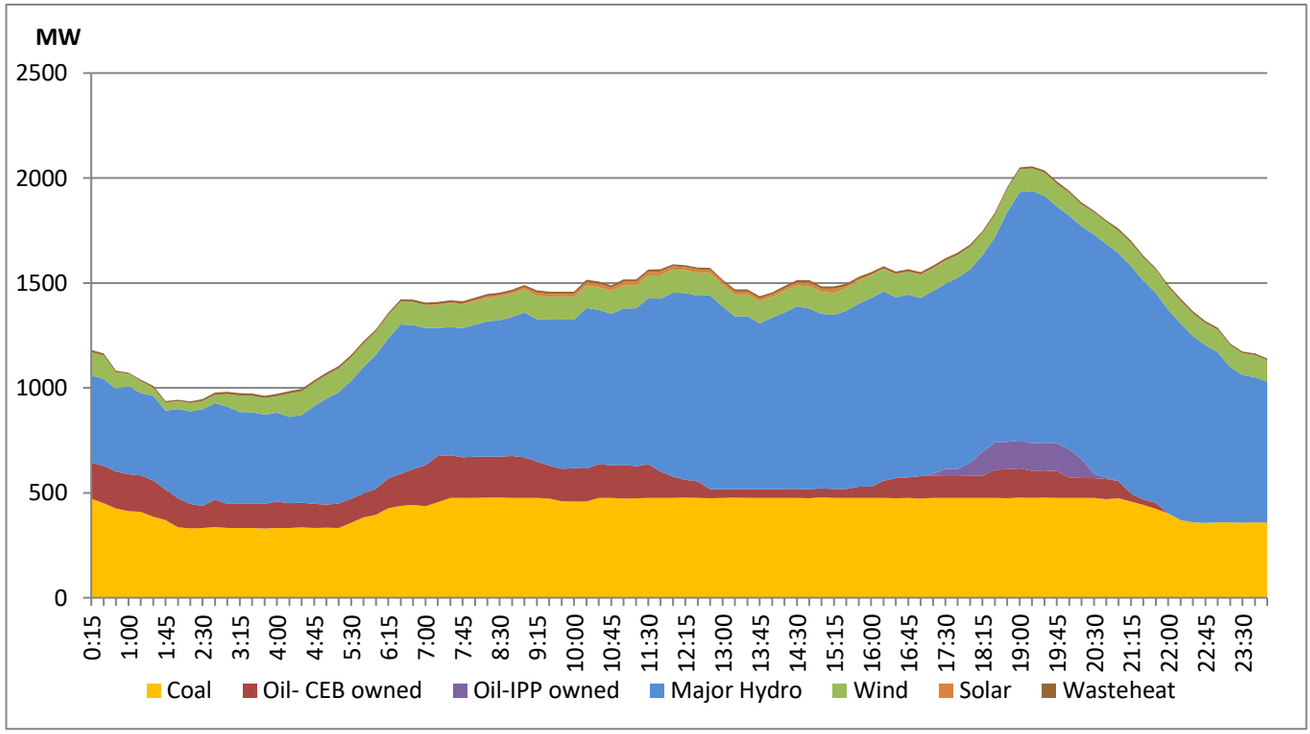
Notes:

The night peak is excluding 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 from telemetered solar and wind plants

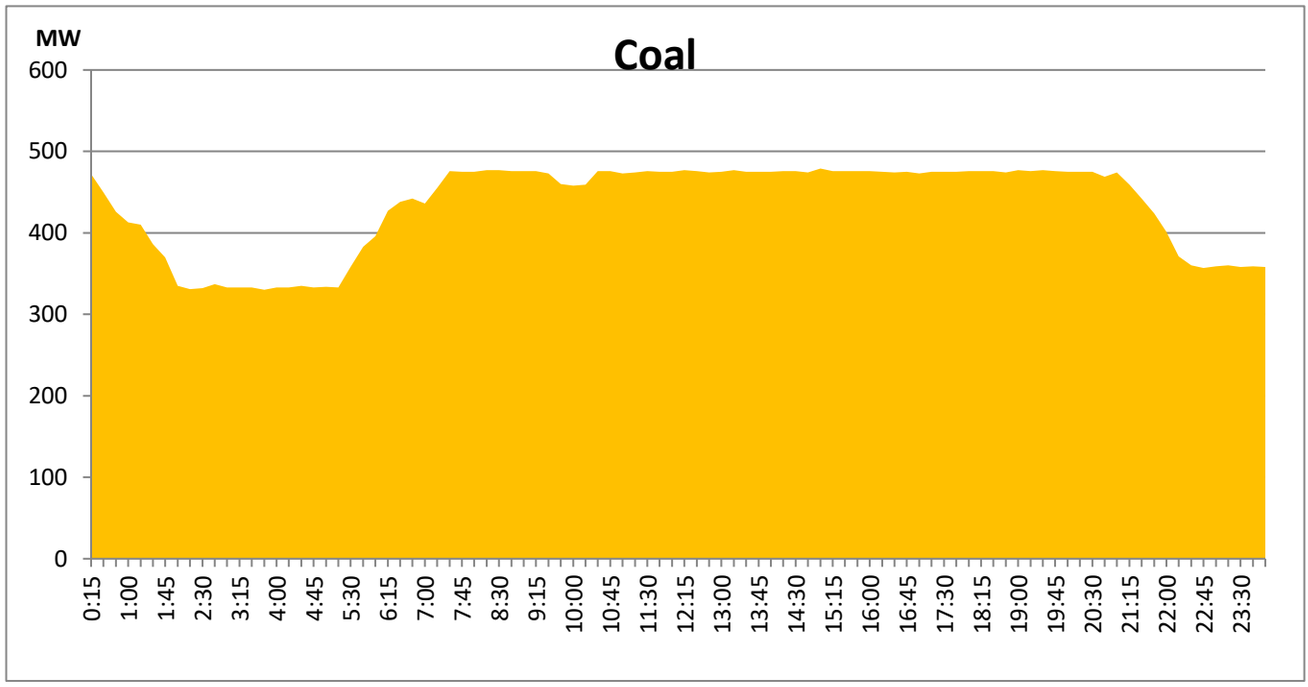
Daily Load Curve of the Previous day

July 10, 2021

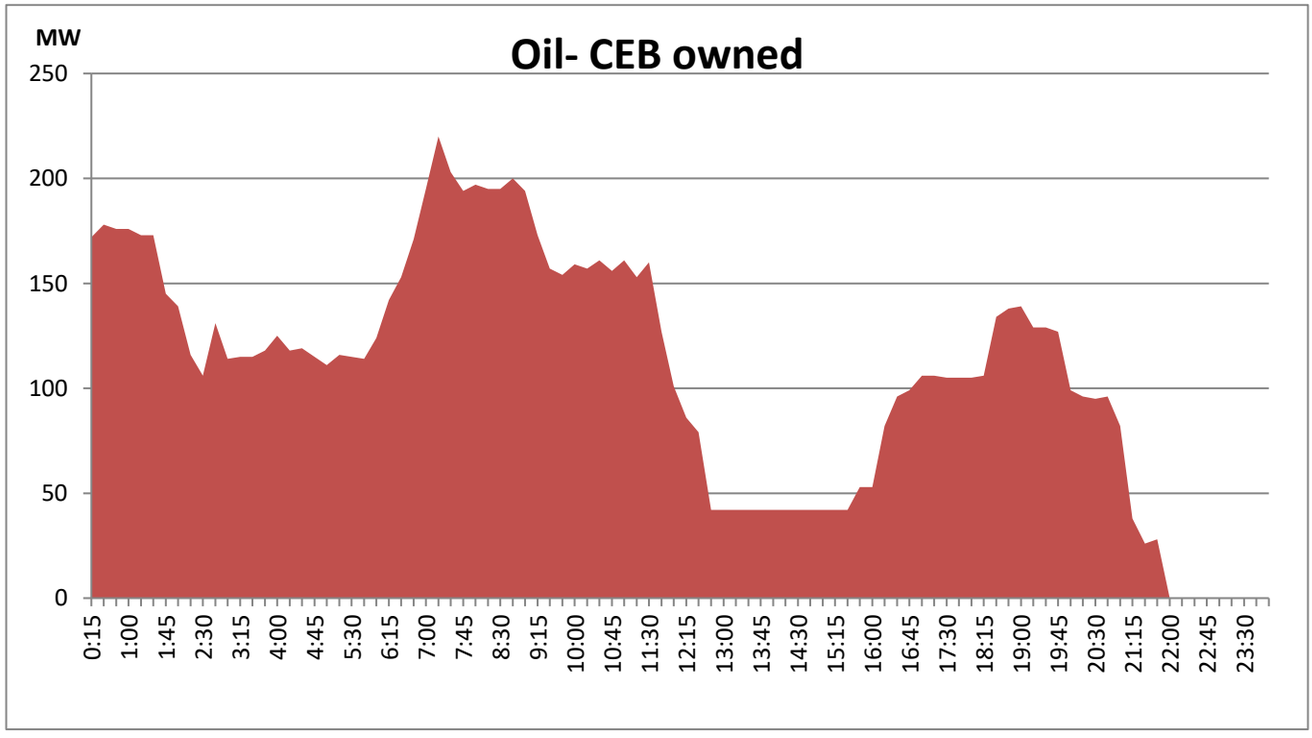
Solar and wind data is based on Telemetered Power Stations only



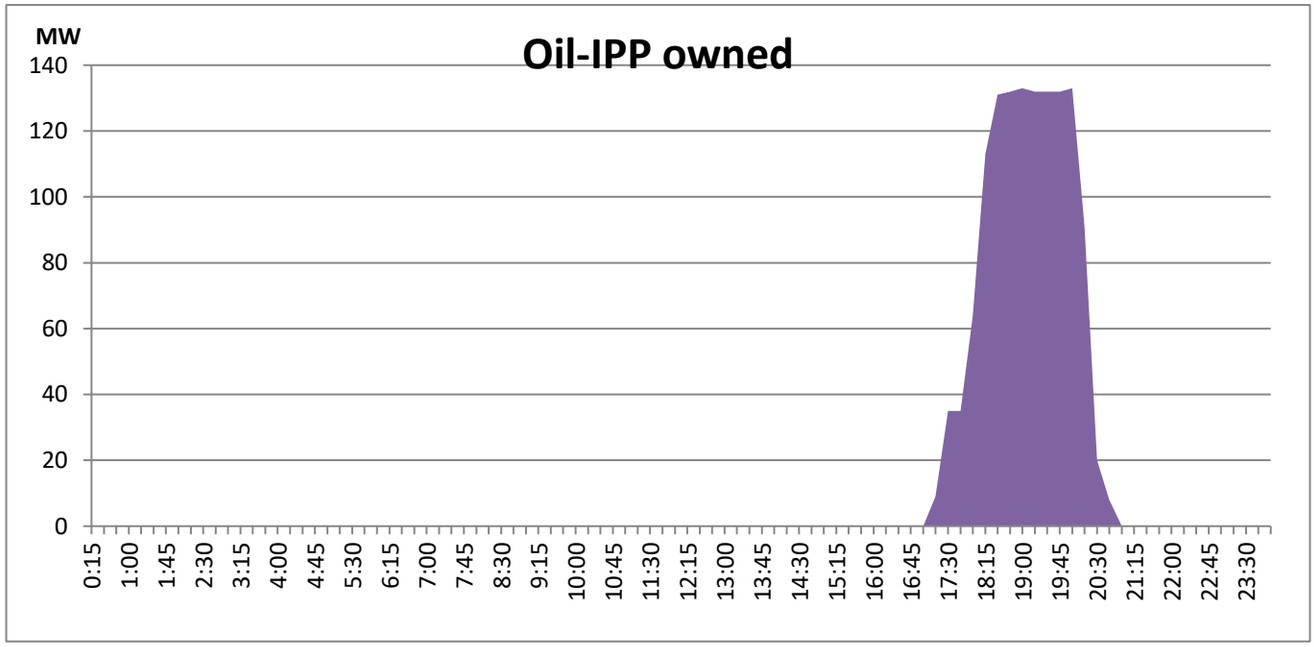
Coal Generation during the Previous day July 10, 2021



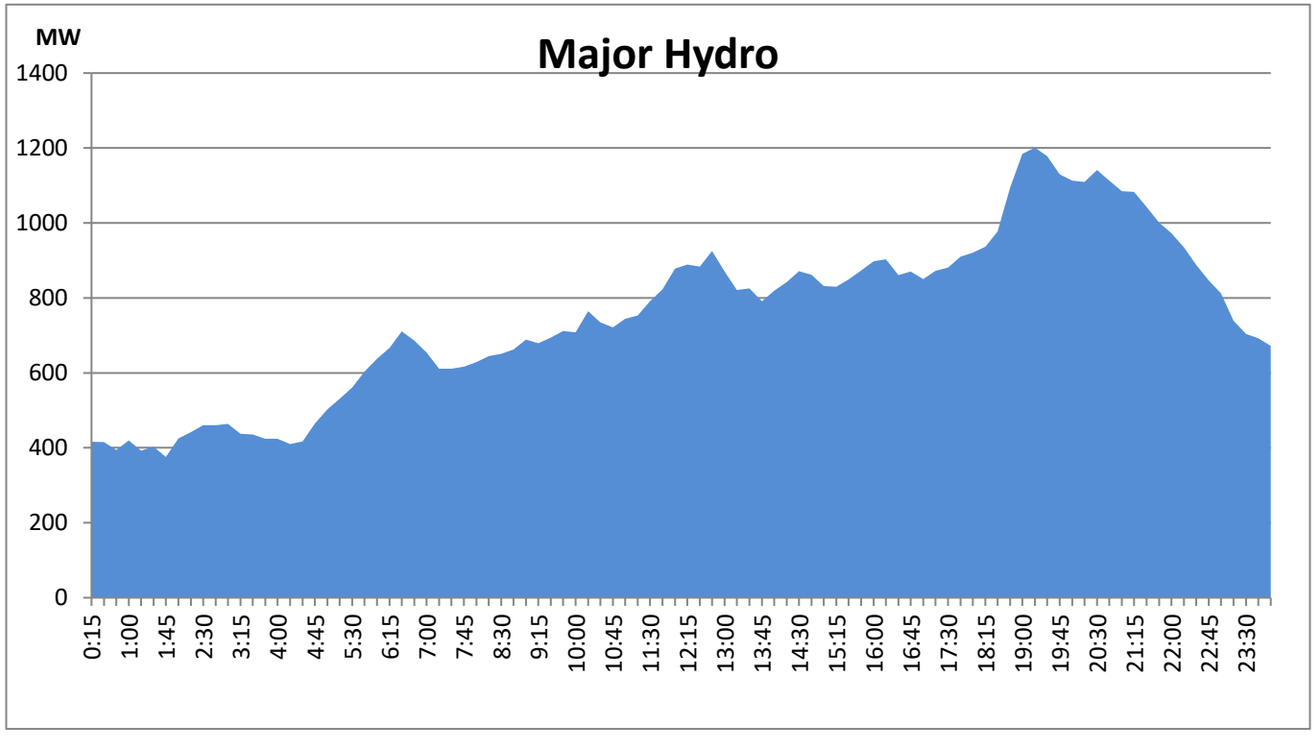
CEB Oil Plant Generation during the Previous day July 10, 2021



IPP Oil Plant Generation during the Previous day July 10, 2021

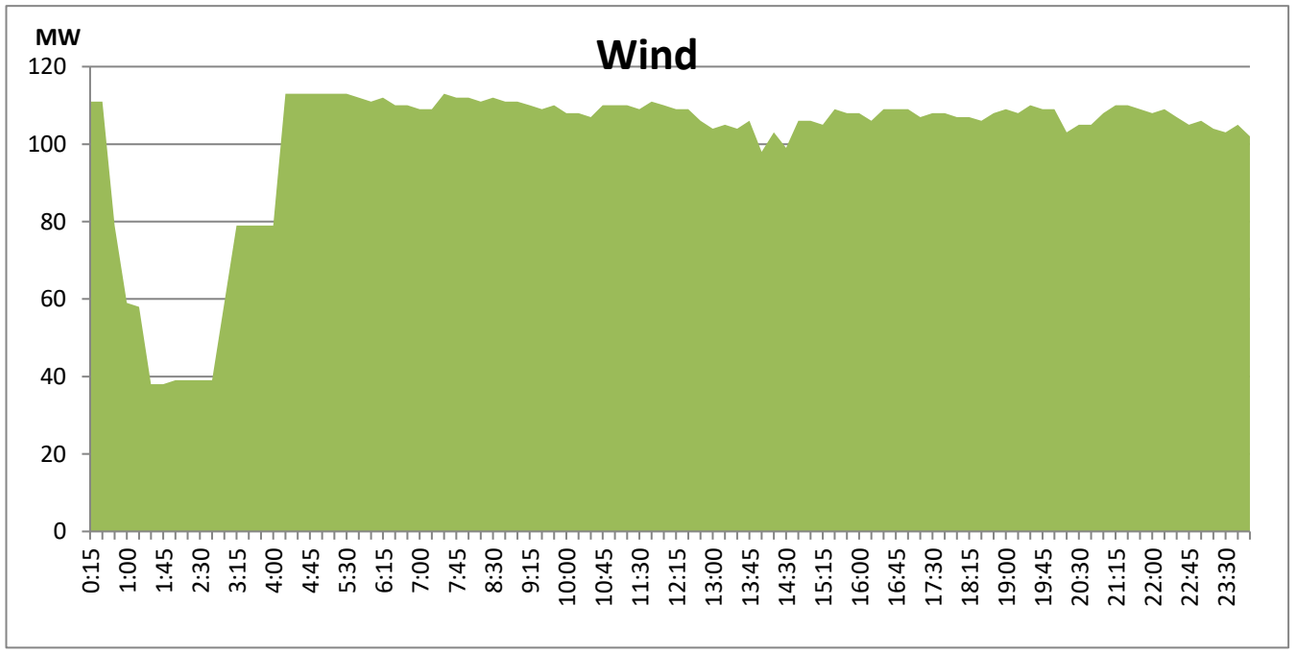


Major Hydro Generation during the Previous day July 10, 2021



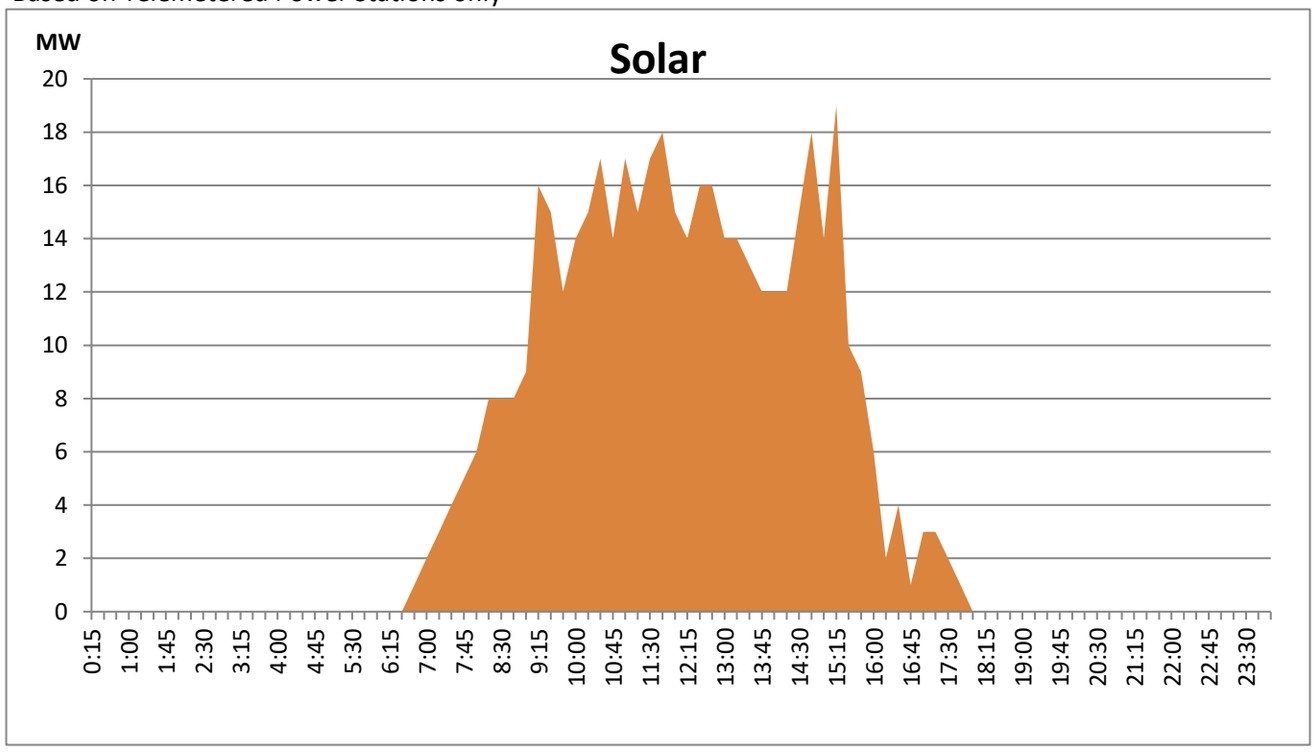
Wind Generation during the Previous day — July 10, 2021

Based on Telemetered Power Stations only



Solar Generation during the Previous day — July 10, 2021

Based on Telemetered Power Stations only



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 -	Auto Diesel
West Coast	Low Sulphur Furnace oil
ACE Embilipitiya	Furnace Oil

Major Incidents during the day -as reported by CEB morning of July 12, 2021

1) Kukule spilling continues to the present hour.
2) Laxapana pond spilling continues to the present hour.
3) Maussakelle spilling, which started at 05:01hrs on 11.07.2021 stopped at 12:08hrs and spilling occurred again between 20:25hrs to 00:49hrs on 12.07.2021.
4) Norton Pond spilling started at 18:50 hrs and stopped at 03:56hrs on 12.07.2021.
5) Canyon Pond spilling stopped at 03:52hrs on 12.07.2021
6) Kerawalapitiya GSS 220/33kV T/F 01 tripped at 17:31hrs from 33kV side with tripping of 33kV feeder 03 due to O/C and E/F . Kera T/F 01 and 33 kV Feeder 03 normalized at 17:58hrs.