

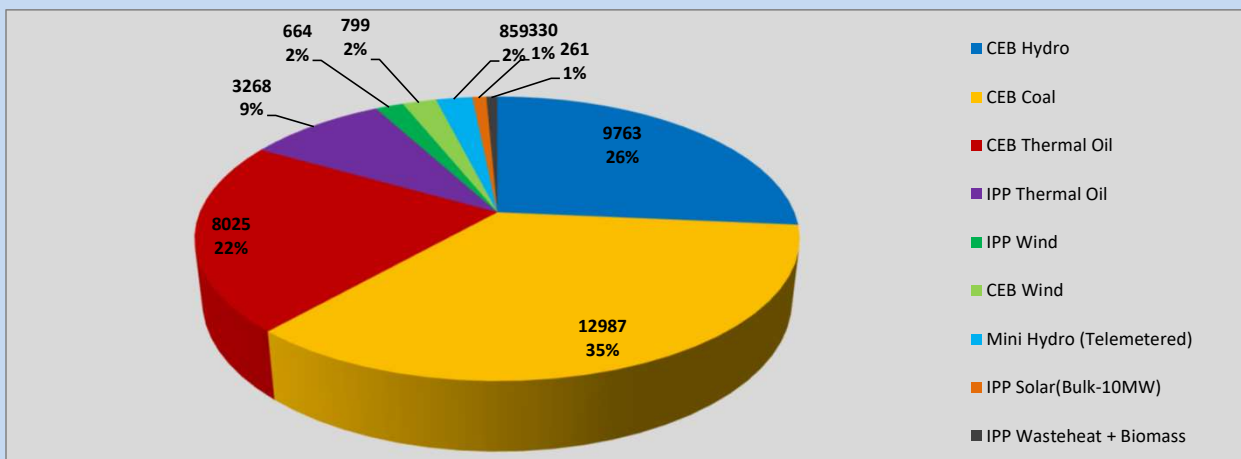
Generation and Reservoirs Statistics

January 19, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

36,956 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 2.10 GWh

Estimated Mini Hydro (Non telemetered) = 1661 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

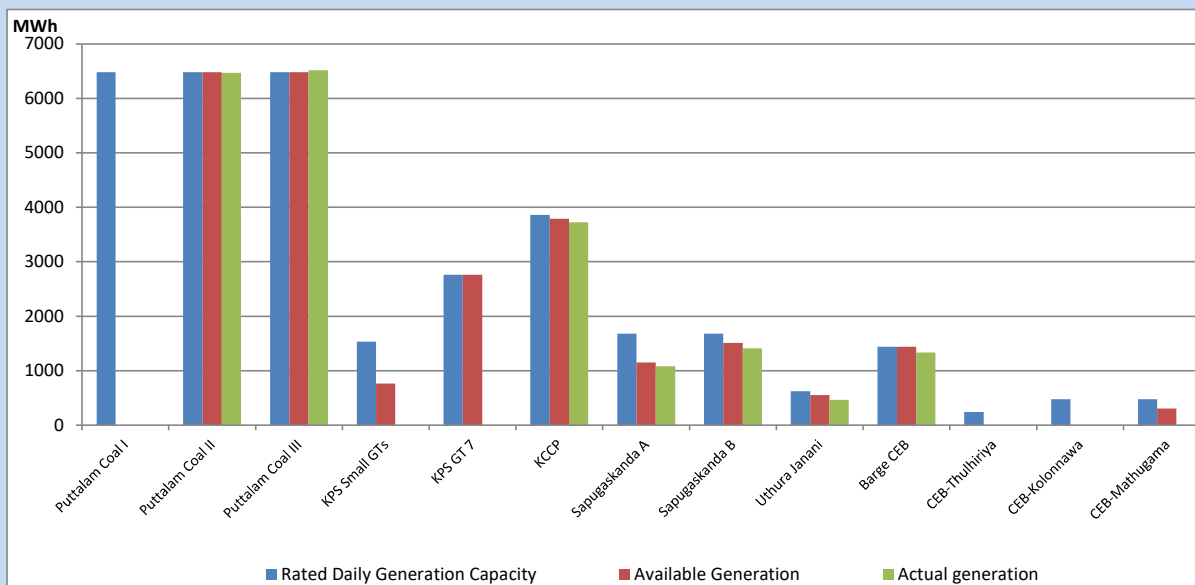
Category	Dispatch (GWh)	
CEB Hydro	207	30.79%
CEB Coal	247	36.70%
CEB Thermal Oil	108	16.04%
IPP Thermal	53	7.90%
SPP Wind	13	1.88%
CEB Wind	16	2.44%
Mini Hydro (Telemetered)	17	2.56%
IPP Solar (Bulk-10MW)	6	0.84%
IPP Wasteheat + BMP	6	0.84%
Total	674	

For Current Year

Category	Dispatch (GWh)	
CEB Hydro	207	30.79%
CEB Coal	247	36.70%
CEB Thermal Oil	108	16.04%
IPP Thermal	53	7.90%
SPP Wind	13	1.88%
CEB Wind	16	2.44%
Mini Hydro (Telemetered)	17	2.56%
IPP Solar (Bulk-10MW)	6	0.84%
IPP Wasteheat	6	0.84%
Total	674	

CEB owned Thermal Plant Dispatch

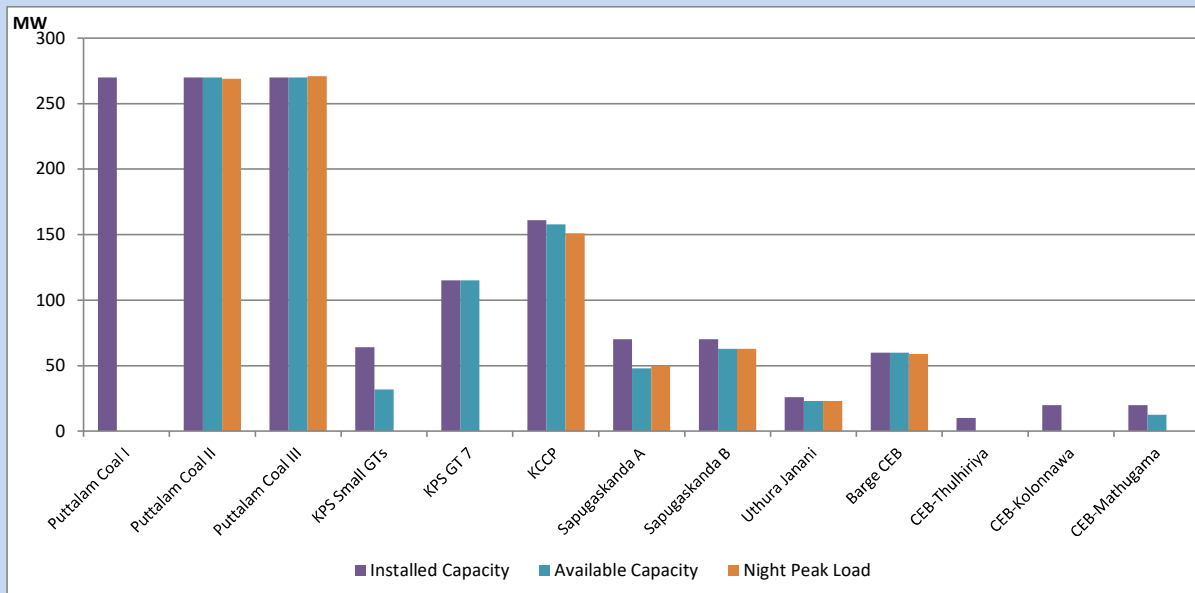
January 19, 2023



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

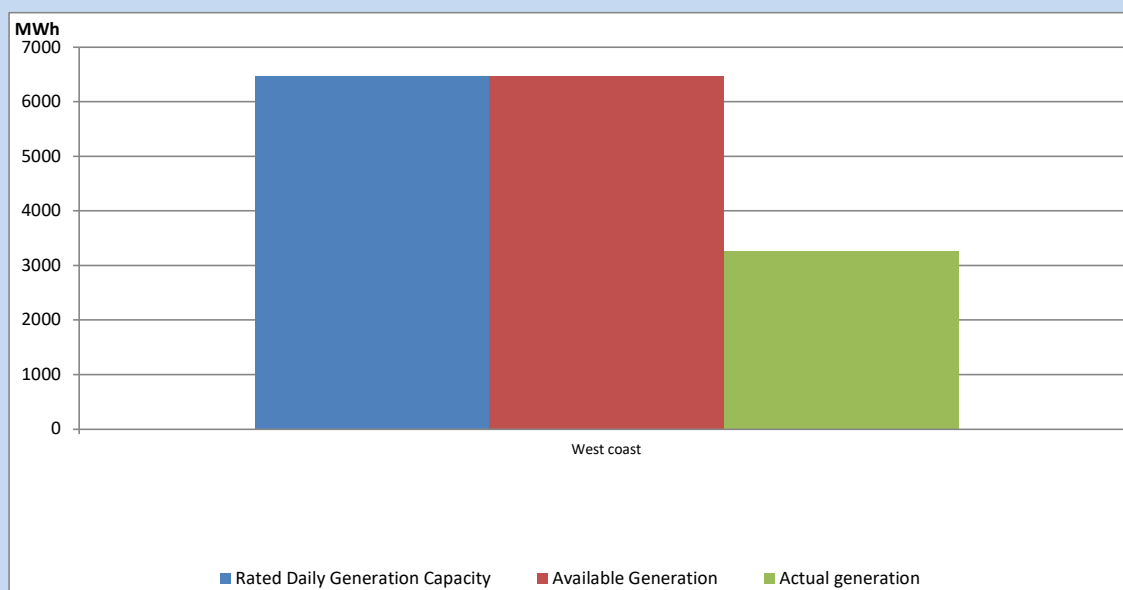
January 20, 2023

CEB owned Thermal Plant Loading at the Night Peak



Note- Plant availability is recorded at 6.00 am on

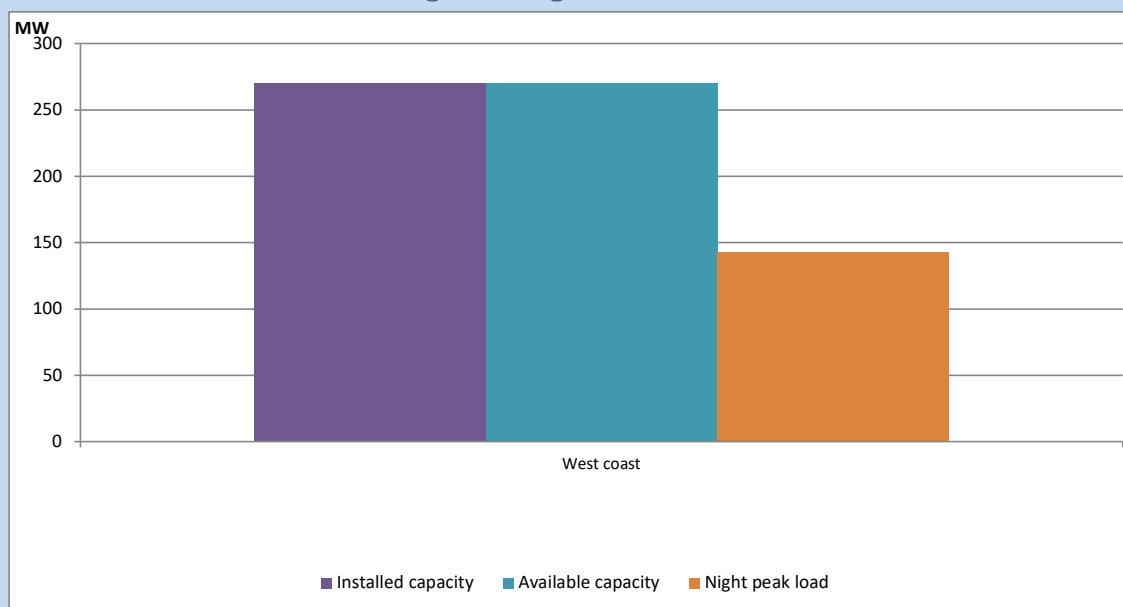
January 20, 2023



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

January 20, 2023

IPP owned Thermal Plant Loading at the Night Peak

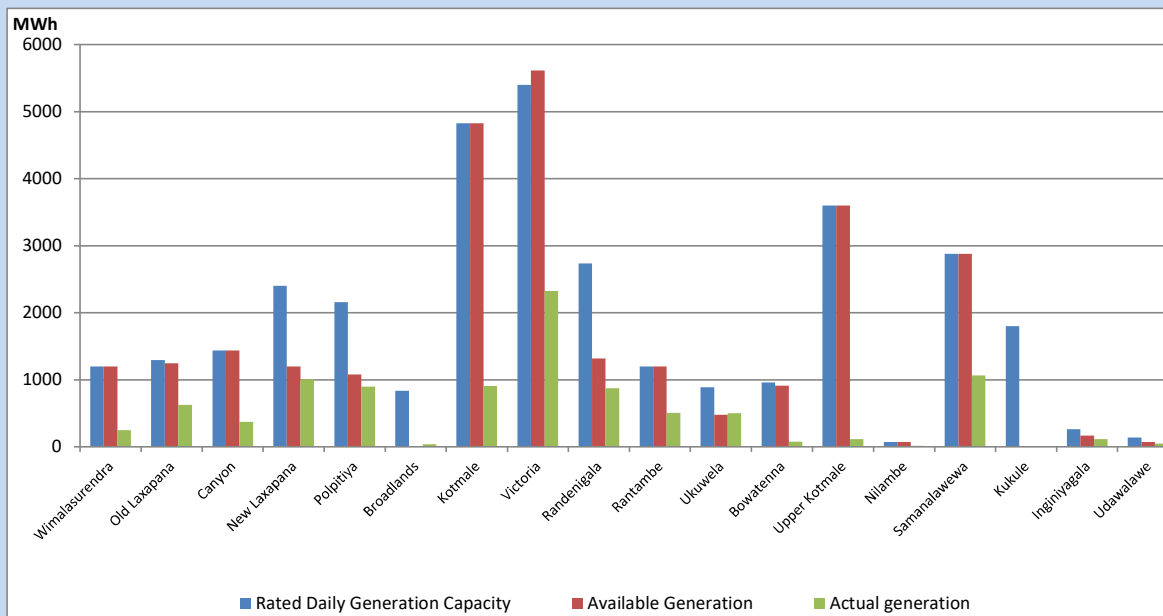


Note- Plant availability is recorded at 6.00 am on

January 20, 2023

Major Hydro Plant Dispatch

January 19, 2023

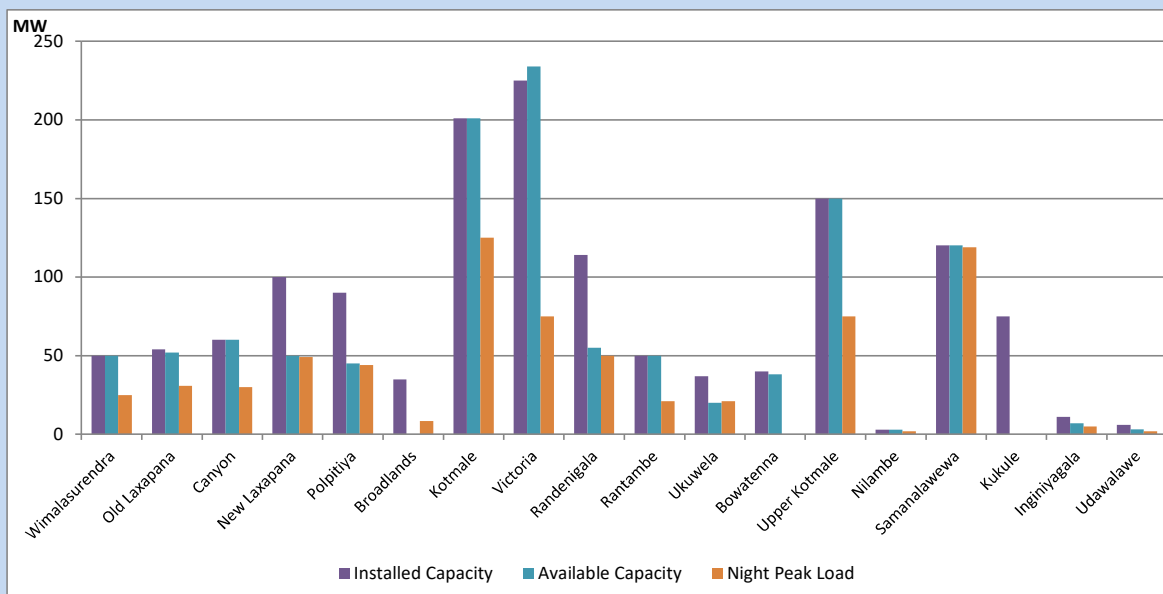


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

January 20, 2023

Major Hydro Plant Loading at Night Peak

January 19, 2023



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

January 20, 2023

Summary of Major Plant performance

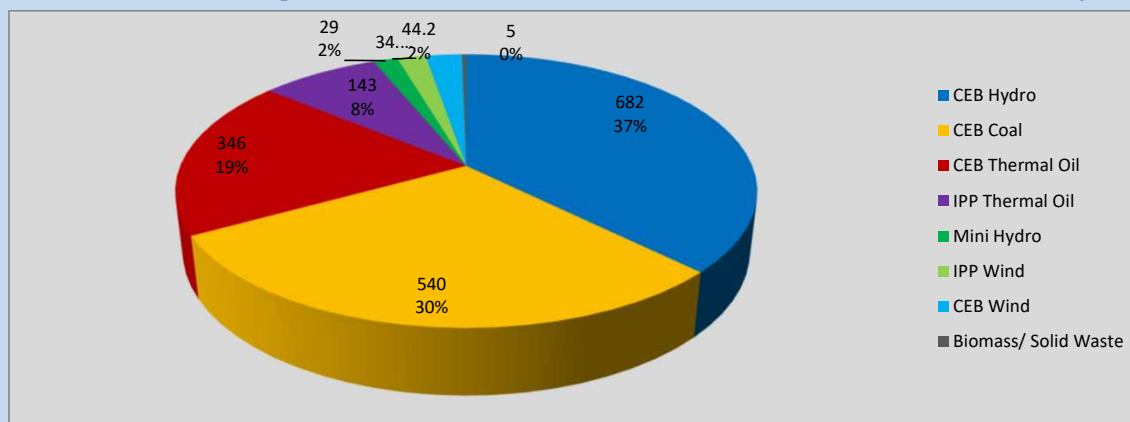
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	251
Old Laxapana	54	52	31	628
Canyon	60	60	30	371
New Laxapana	100	50	49	1,006
Polpitiya	90	45	44	897
Broadlands	35	0	9	39
Kotmale	201	201	125	910
Victoria	225	234	75	2,325
Randenigala	114	55	50	879
Rantambe	50	50	21	508
Ukuwela	37	20	21	502
Bowatenna	40	38	0	79
Upper Kotmale	150	150	75	118
Nilambe	3	3	2	17
Samanalawewa	120	120	119	1,066
Kukule	75	0	0	0
Inginiyagala	11	7	5	118
Udawalawe	6	3	2	49
Puttalam Coal I	270	0	0	0
Puttalam Coal II	270	270	269	6,468
Puttalam Coal III	270	270	271	6,519
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	151	3,726
Sapugaskanda A	70	48	50	1,085
Sapugaskanda B	70	63	63	1,409
Uthura Janani	26	23	23	466
Barge CEB	60	60	59	1,339
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	143	3,268
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,460	1,825	36,956

Plant availability is the availability recorded at 6 am on

January 20, 2023

Contribution to the Night Peak in MW

January 19, 2023

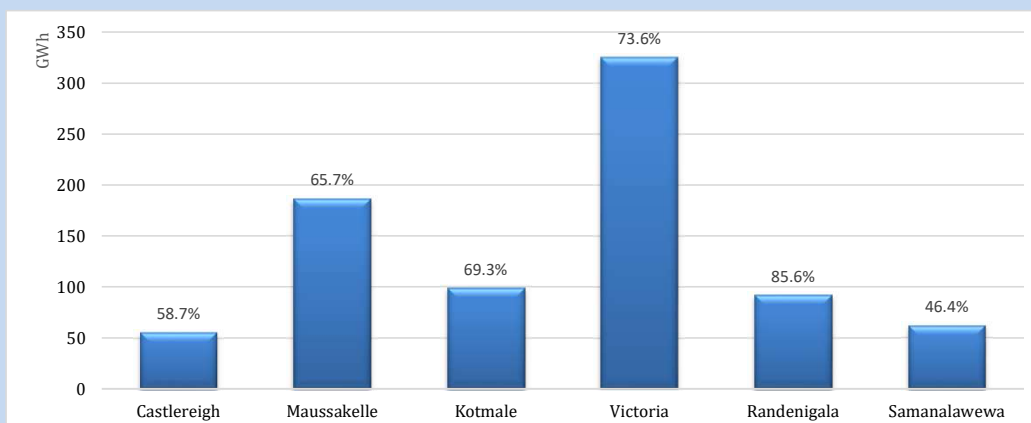


Night Peak* 1,823.5 MW
 Day Peak 1,695.4 MW
 Minimum Demand 1,139.7 MW

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

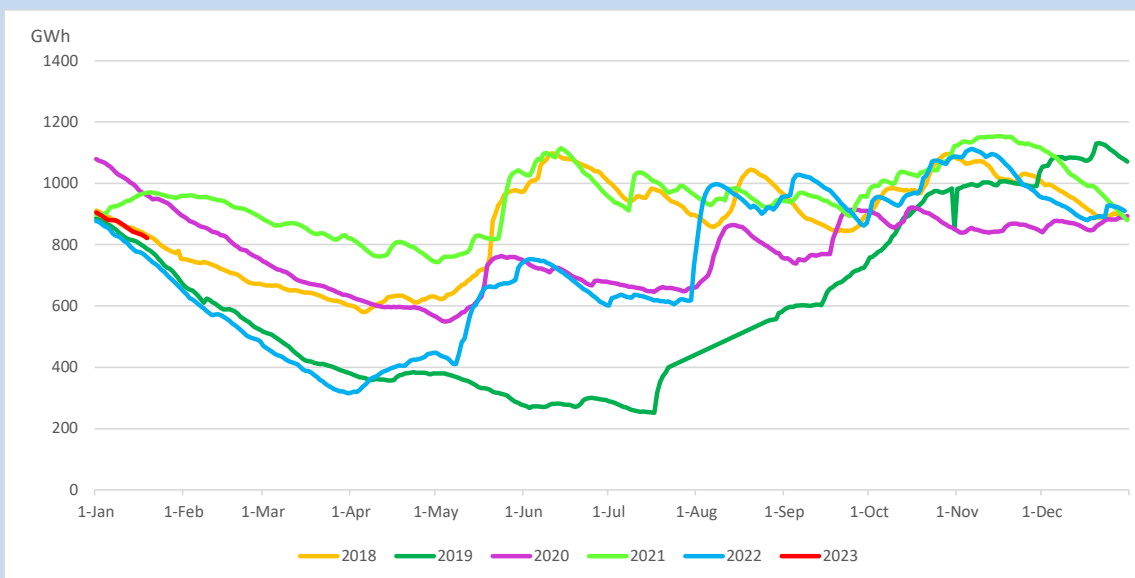
Reservoir Levels -

as at 06.00 Hr on January 20, 2023

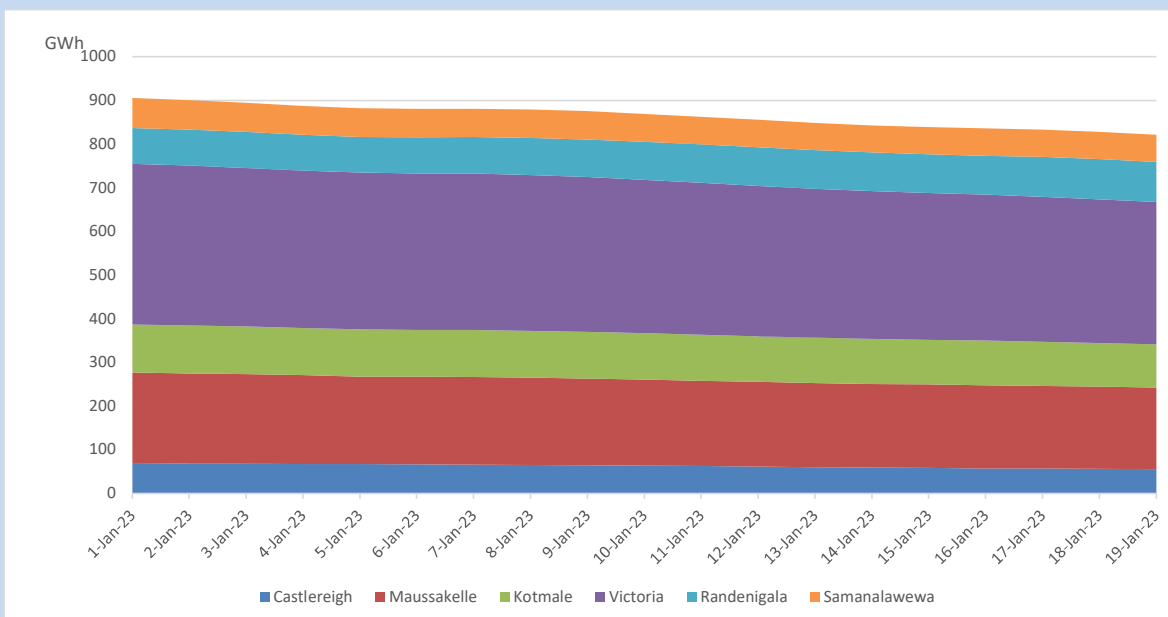


Total Reservoir Level 821.1 GWh
 % of Total capacity 68.1%

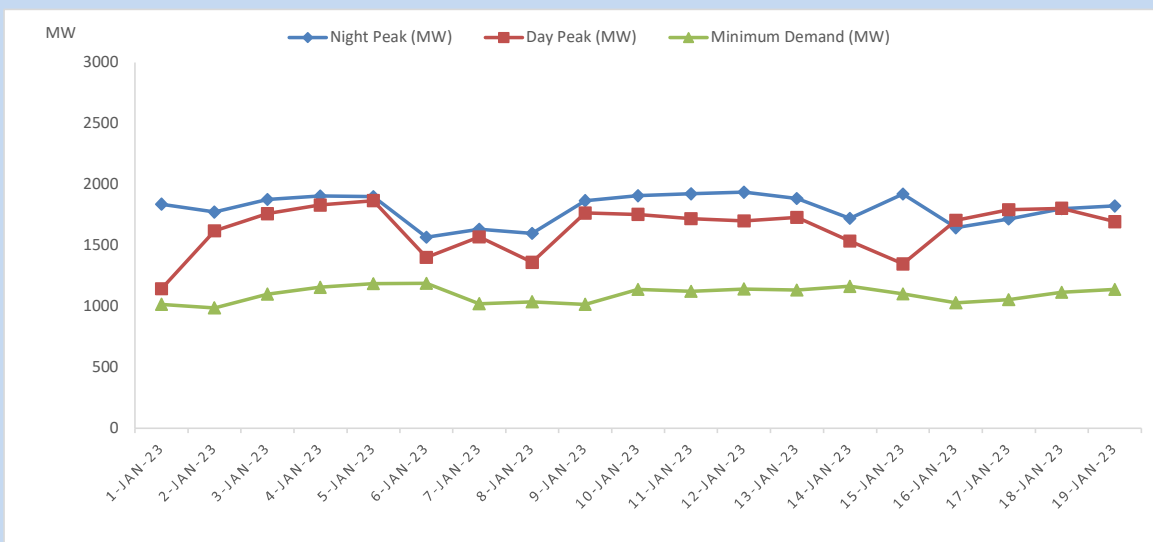
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

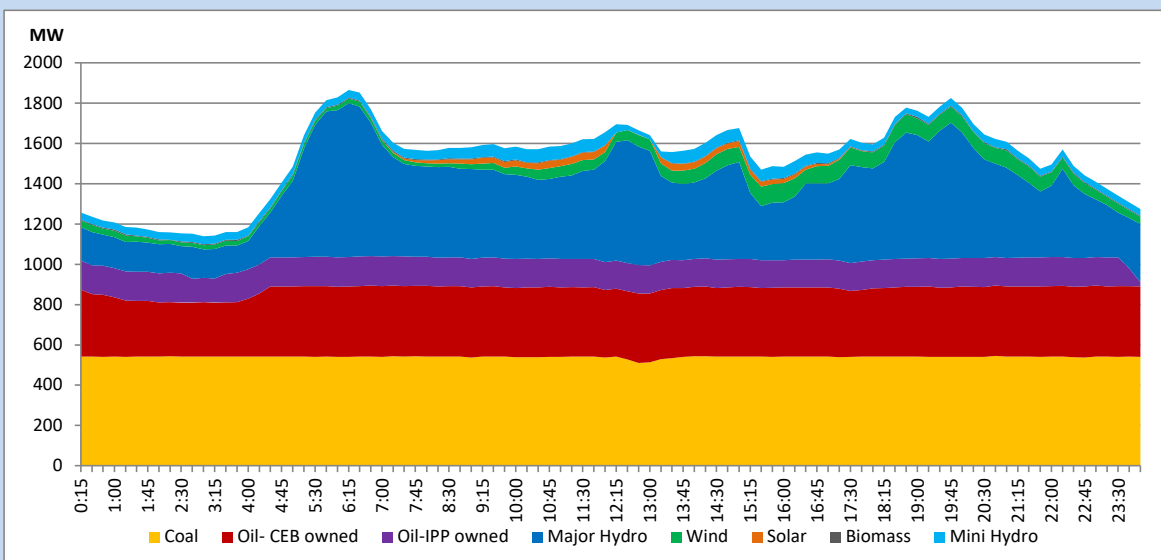


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve of the Previous day

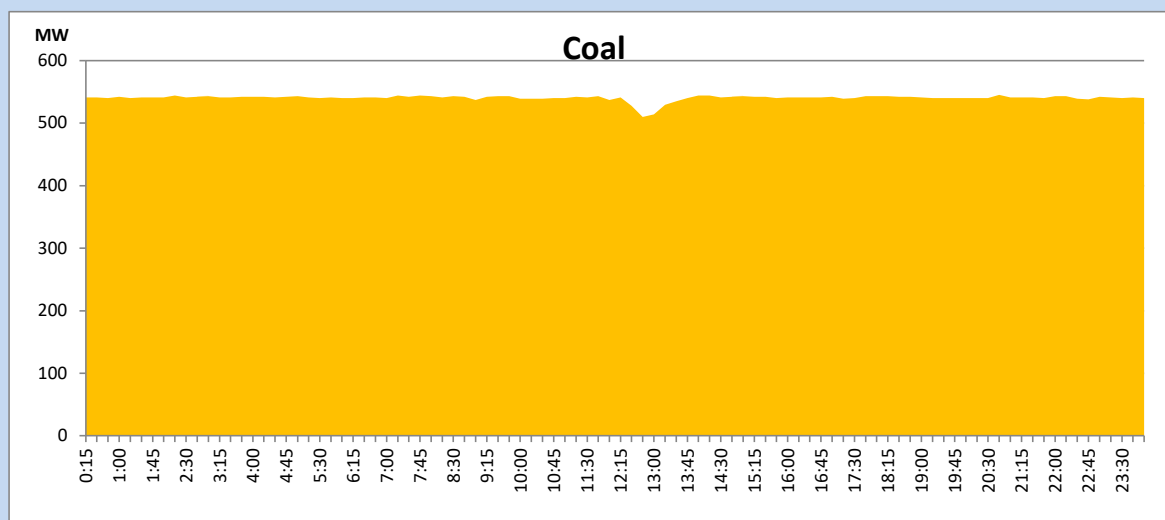
January 19, 2023

Solar and wind data is based on Telemetered Power Stations only



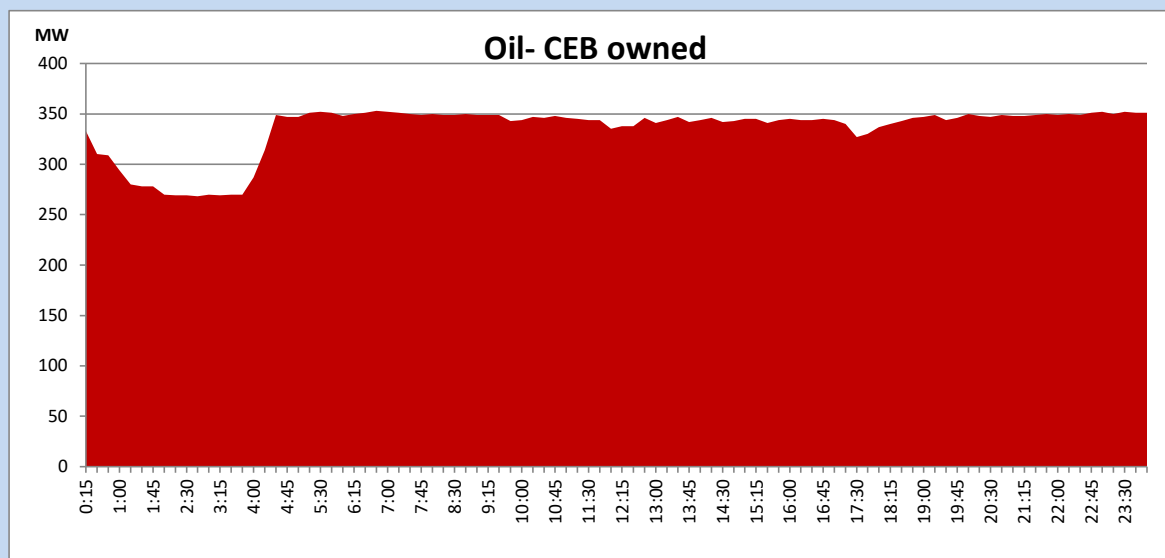
Coal Generation during the Previous day

January 19, 2023



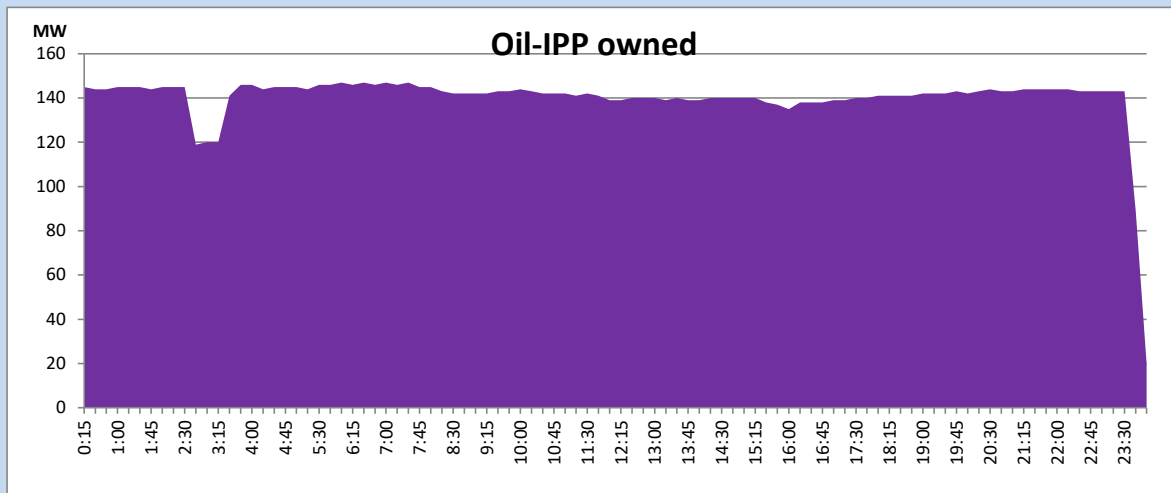
CEB Oil Plant Generation during the day

January 19, 2023



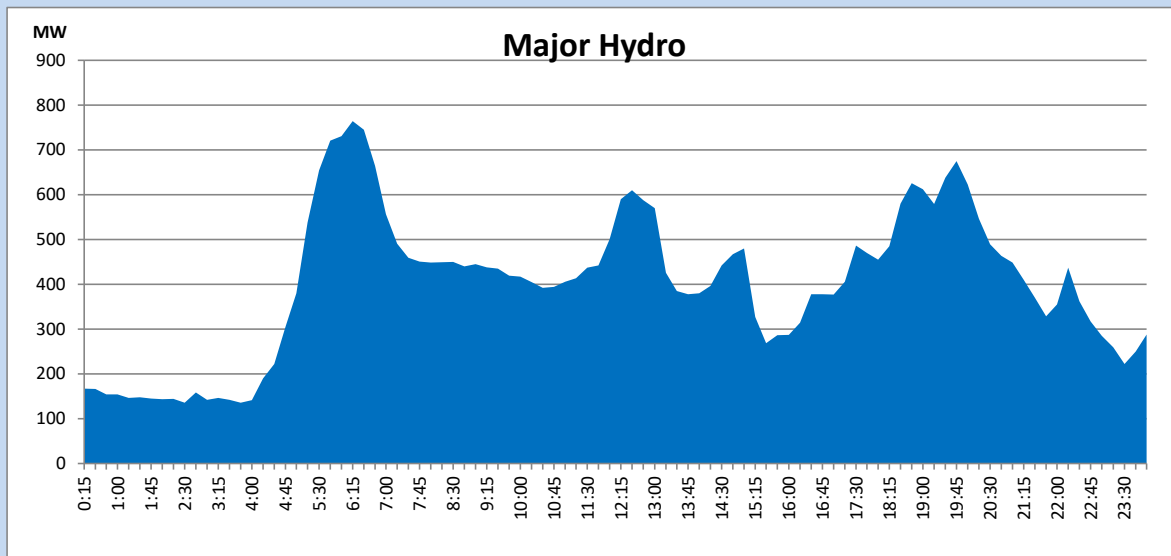
IPP Oil Plant Generation during the day

January 19, 2023



Major Hydro Generation during the day

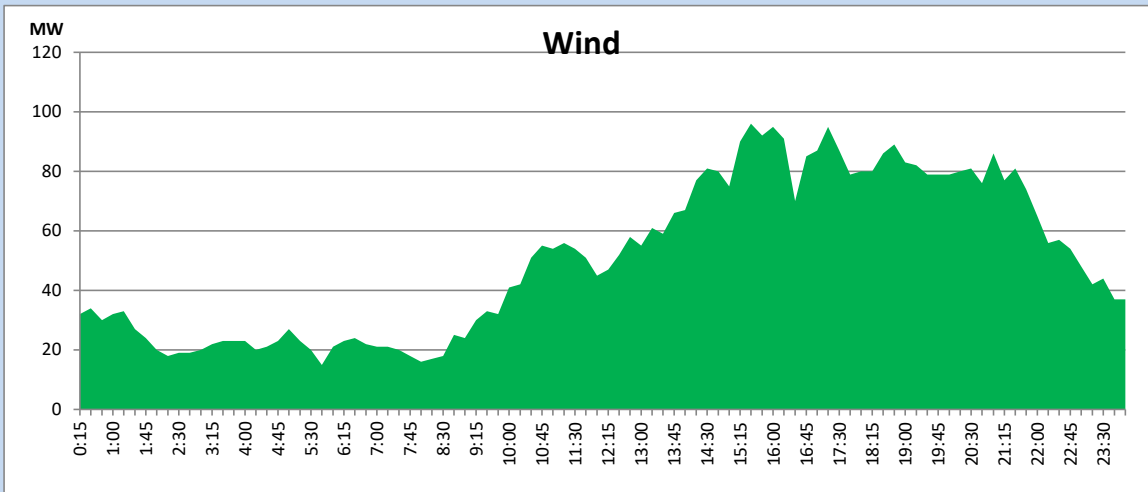
January 19, 2023



Wind Generation during the day

January 19, 2023

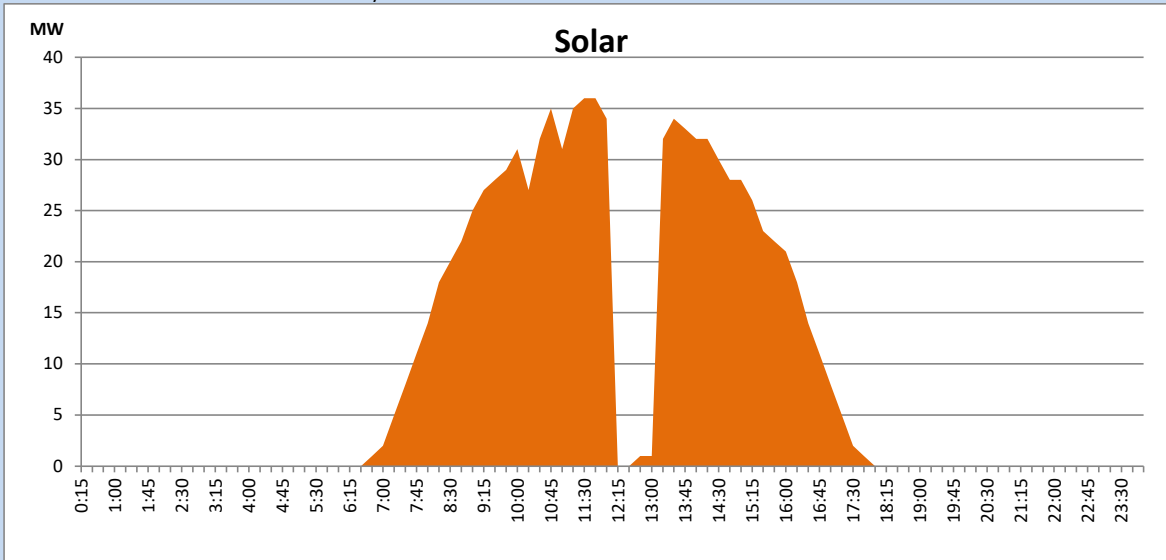
Based on Telemetered Power Stations only



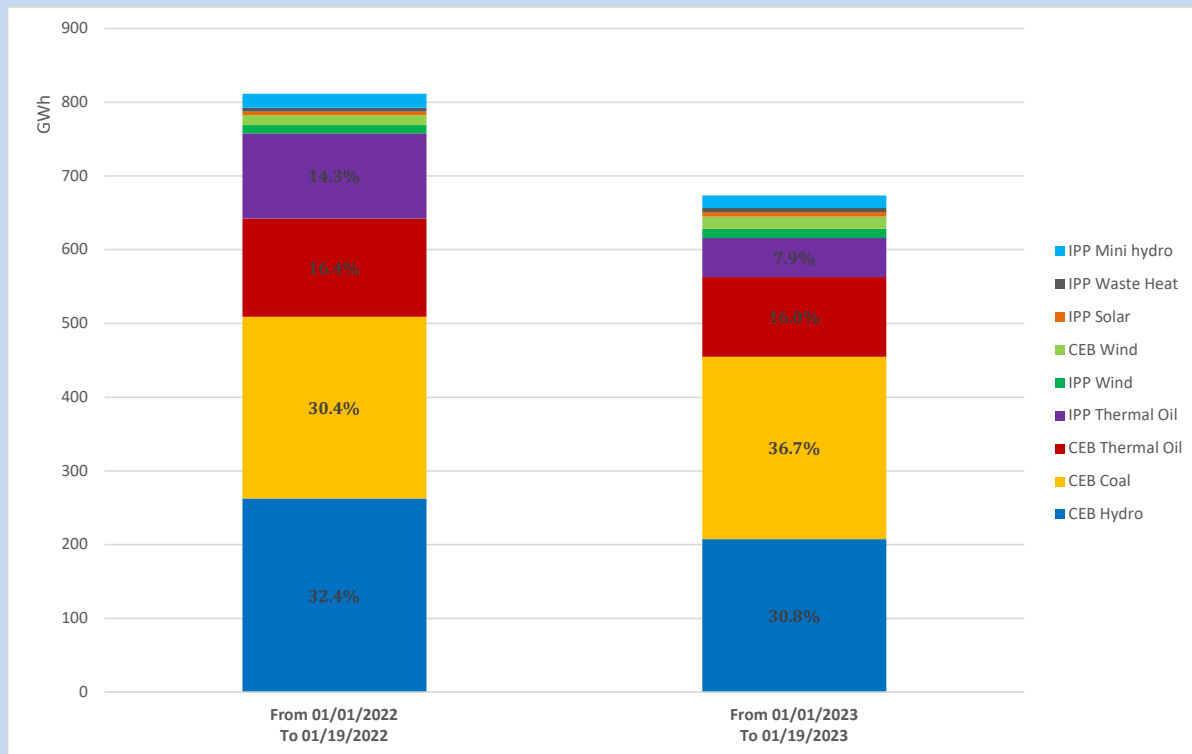
Solar Generation during the day

January 19, 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	
West Coast	Auto Diesel / Heavy Fuel

Major Incidents reported during the day

January 19, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
 - 2) New Anuradhapura-Puttalam 132kV cct 02 tripped and A/R from both ends at 06:44hrs due to the operation of differential protection.
 - 3) Aniyakanda-Kotugoda 132kV cct tripped only from Aniyakanda end at 08:57hrs, indicating activation of Direct Inter trip(DIT). The cct was normalized at 09:08hrs.
 - 4) A simultaneous rejection of many NCRE power plants from the system occurred at 12:00hrs.The system recovered with the operation of UFLS stage I. All affected feeders were normalized by 12:07hrs.
 - 5) Ukuwela-Habarana 132kV cct tripped from both ends at 13:44hrs due to the operation of distance protection. The cct is yet to be normalized.
- Nilan Hemachandra