

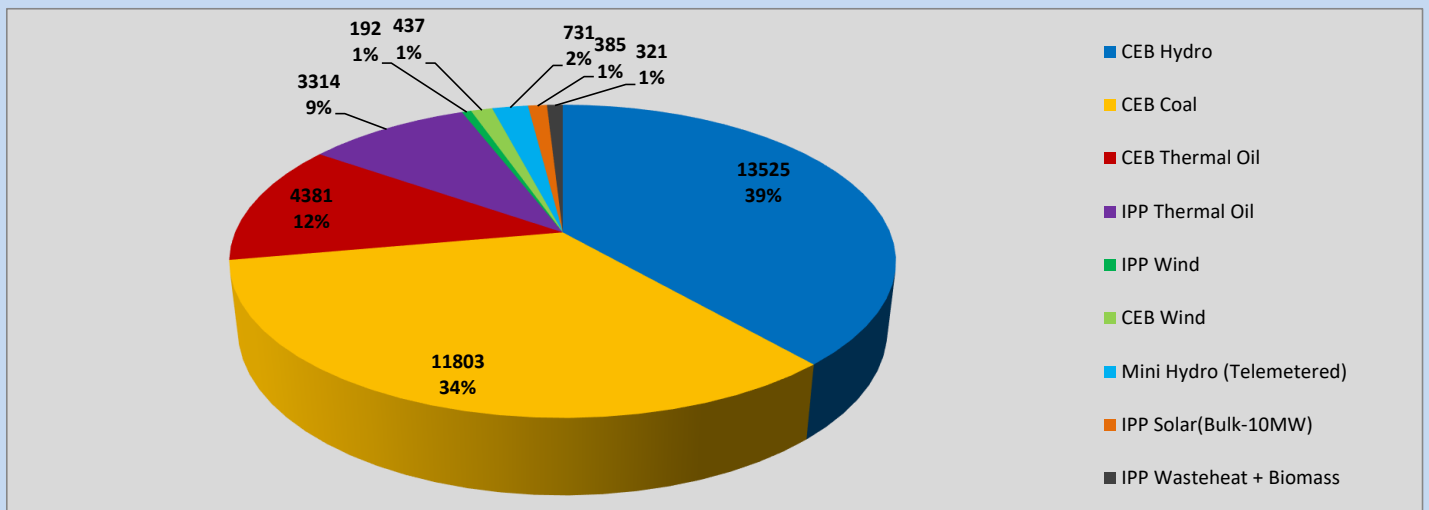
Generation and Reservoirs Statistics

April 2, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =



35,089 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 1649 MWh
 Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh
 Estimated Solar Roof Top PV = 1640 MWh

Cumulative Dispatch

Following data excludes the contribution from roof top solar, non telemetered solar and mini hydro plants

For Current Month

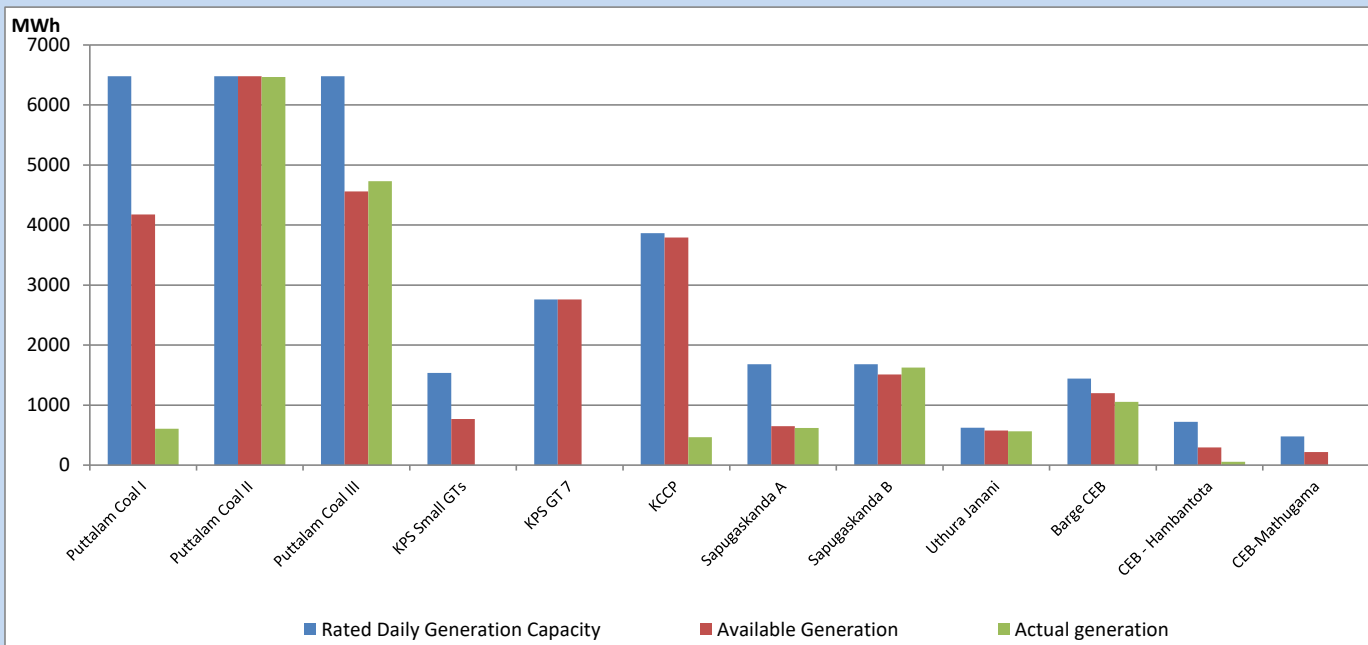
Category	Dispatch (GWh)	Percentage
CEB Hydro	24	31.48%
CEB Coal	29	38.83%
CEB Thermal Oil	9	11.34%
IPP Thermal	10	13.04%
SPP Wind	0	0.58%
CEB Wind	1	1.02%
Mini Hydro (Telemetered)	1	1.94%
IPP Solar (Bulk-10MW)	1	0.96%
IPP Wasteheat + BMP	1	0.81%
Total	75	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	945	27.06%
CEB Coal	1,552	44.45%
CEB Thermal Oil	479	13.71%
IPP Thermal	280	8.02%
SPP Wind	51	1.47%
CEB Wind	61	1.75%
Mini Hydro (Telemetered)	70	2.02%
IPP Solar (Bulk-10MW)	26	0.76%
IPP Wasteheat	27	0.77%
Total	3,491	

CEB owned Thermal Plant Dispatch

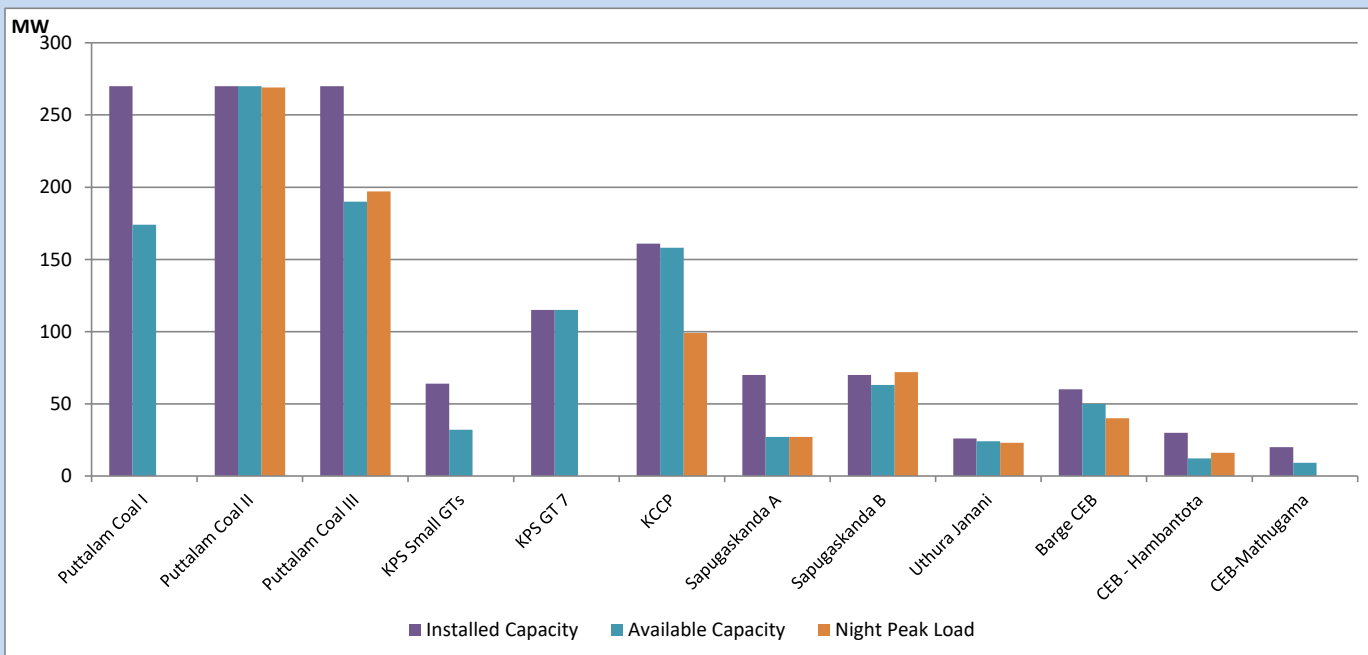
April 2, 2023



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

April 3, 2023

CEB owned Thermal Plant Loading at the Night Peak

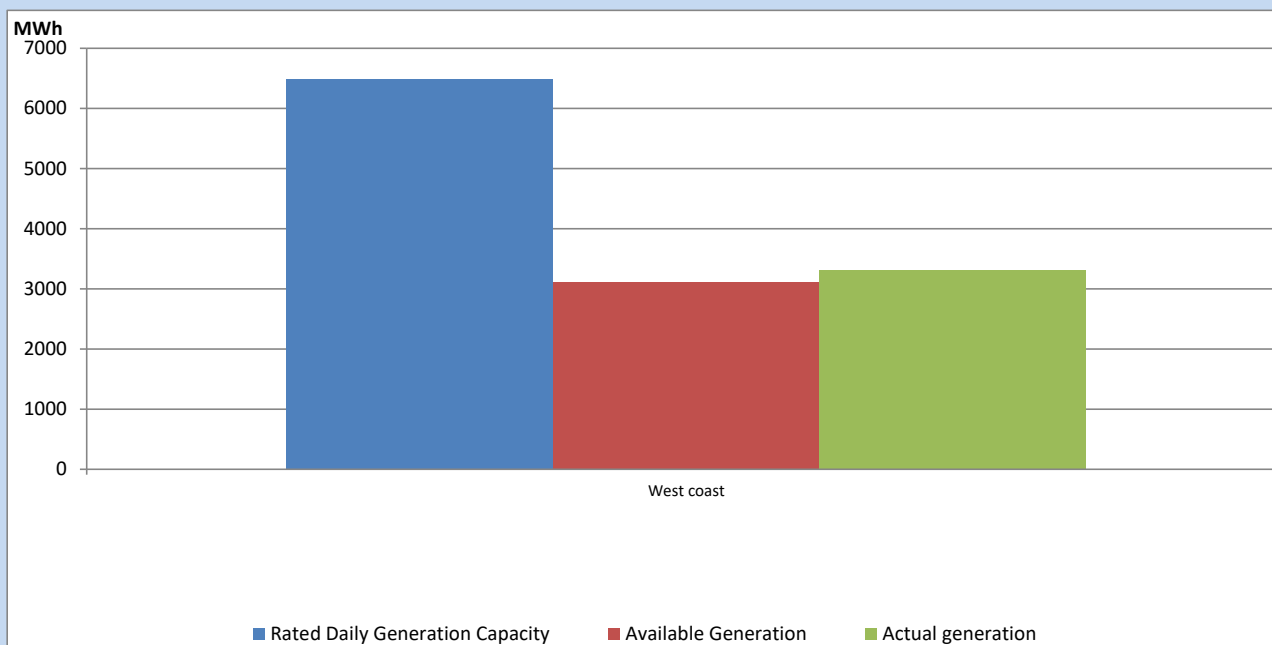


Note- Plant availability is recorded at 6.00 am on

April 3, 2023

IPP owned Thermal Plant Dispatch

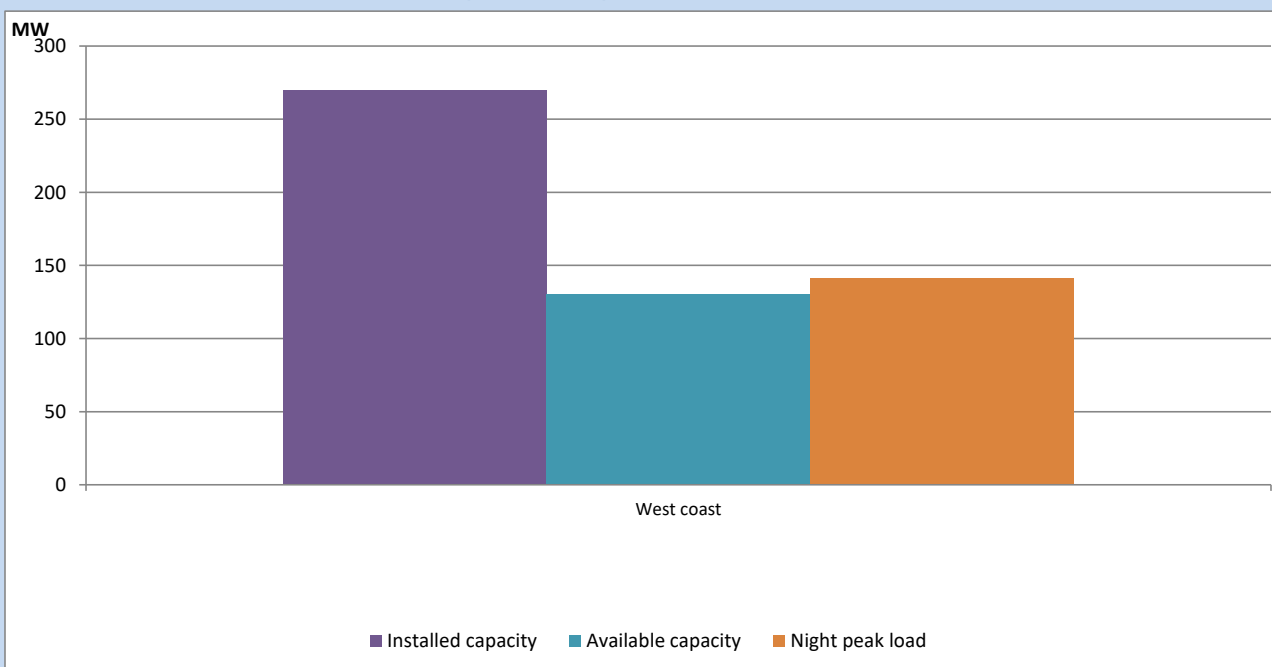
April 2, 2023



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

April 3, 2023

IPP owned Thermal Plant Loading at the Night Peak

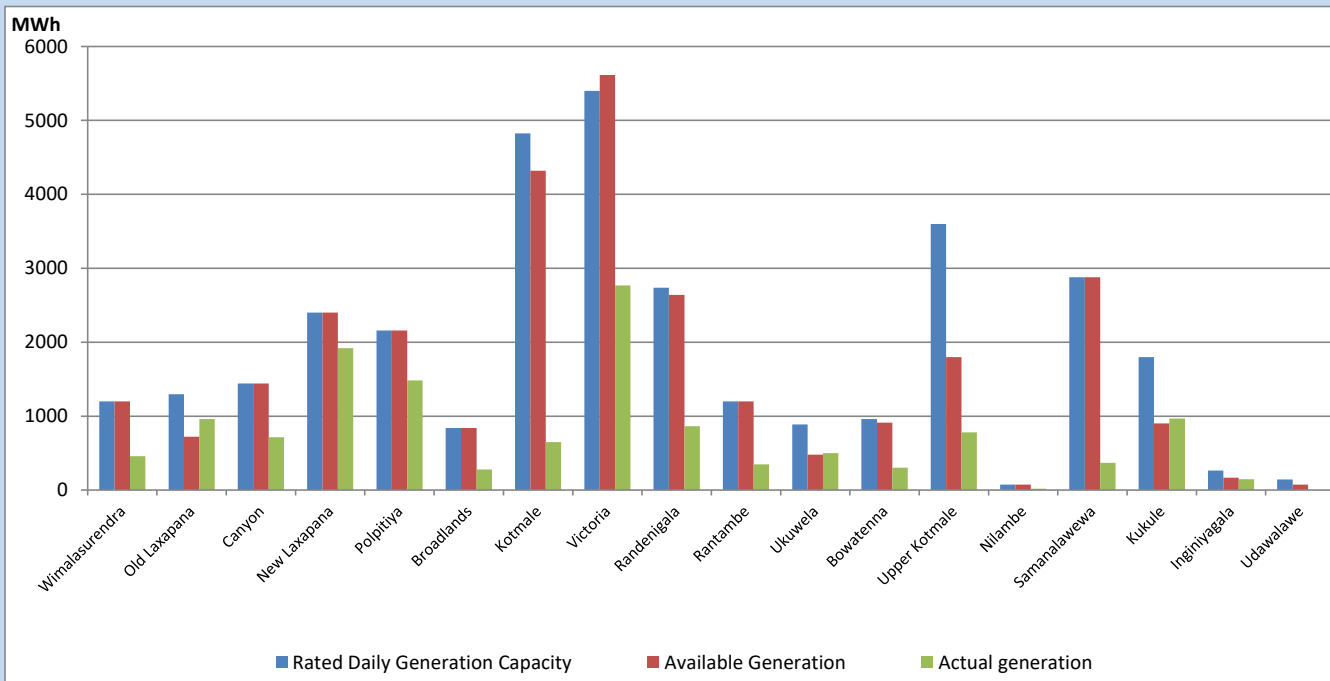


Note- Plant availability is recorded at 6.00 am on

April 3, 2023

Major Hydro Plant Dispatch

April 2, 2023

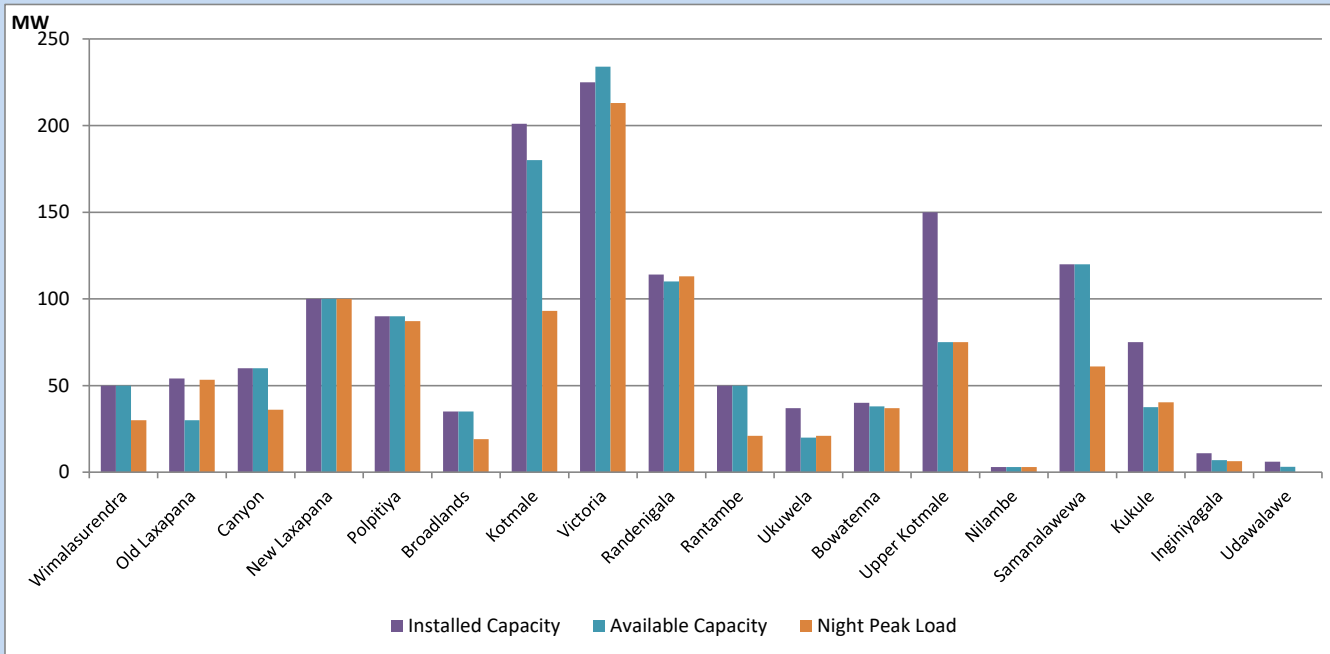


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

April 3, 2023

Major Hydro Plant Loading at Night Peak

April 2, 2023



Note- Plant availability is recorded at 6.00 am on

April 3, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

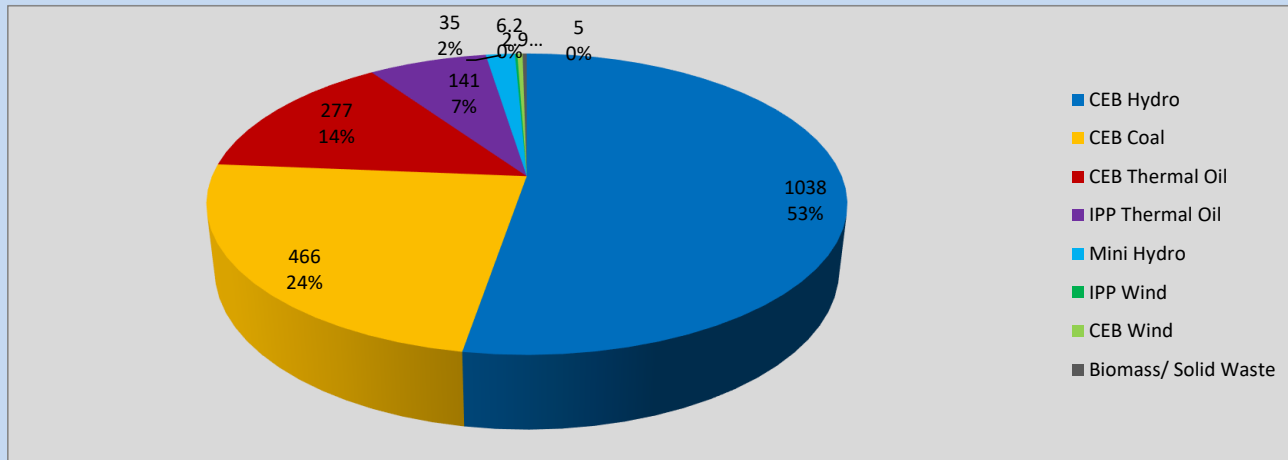
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	30	458
Old Laxapana	54	30	53	961
Canyon	60	60	36	716
New Laxapana	100	100	100	1,920
Polpitiya	90	90	87	1,482
Broadlands	35	35	19	277
Kotmale	201	180	93	650
Victoria	225	234	213	2,768
Randenigala	114	110	113	865
Rantambe	50	50	21	346
Ukuwela	37	20	21	500
Bowatenna	40	38	37	303
Upper Kotmale	150	75	75	779
Nilambe	3	3	3	20
Samanalawewa	120	120	61	367
Kukule	75	38	40	967
Inginiyagala	11	7	6	146
Udawalawe	6	3	0	0
Puttalam Coal I	270	174	0	608
Puttalam Coal II	270	270	269	6,466
Puttalam Coal III	270	190	197	4,729
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	158	99	464
Sapugaskanda A	70	27	27	619
Sapugaskanda B	70	63	72	1,627
Uthura Janani	26	24	23	563
Barge CEB	60	50	40	1,052
CEB-Hambantota	30	12	16	56
CEB-Mathugama	20	9	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	130	141	3,314
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,497	1,942	35,089

Plant availability is the availability recorded at 6 am on

April 3, 2023

Contribution to the Night Peak in MW

April 2, 2023

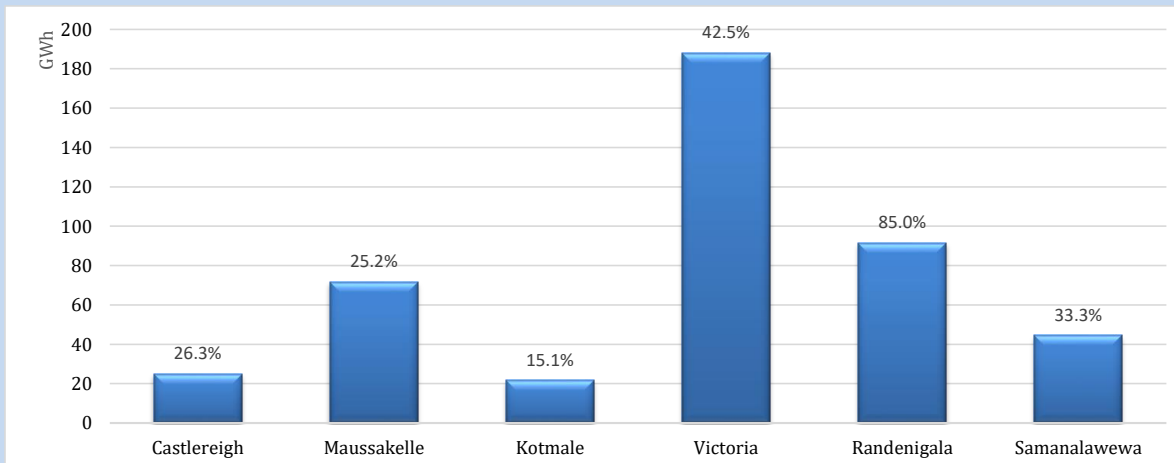


Night Peak*	1,971 MW
Day Peak	1,545 MW
Minimum Demand	1,247 MW

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

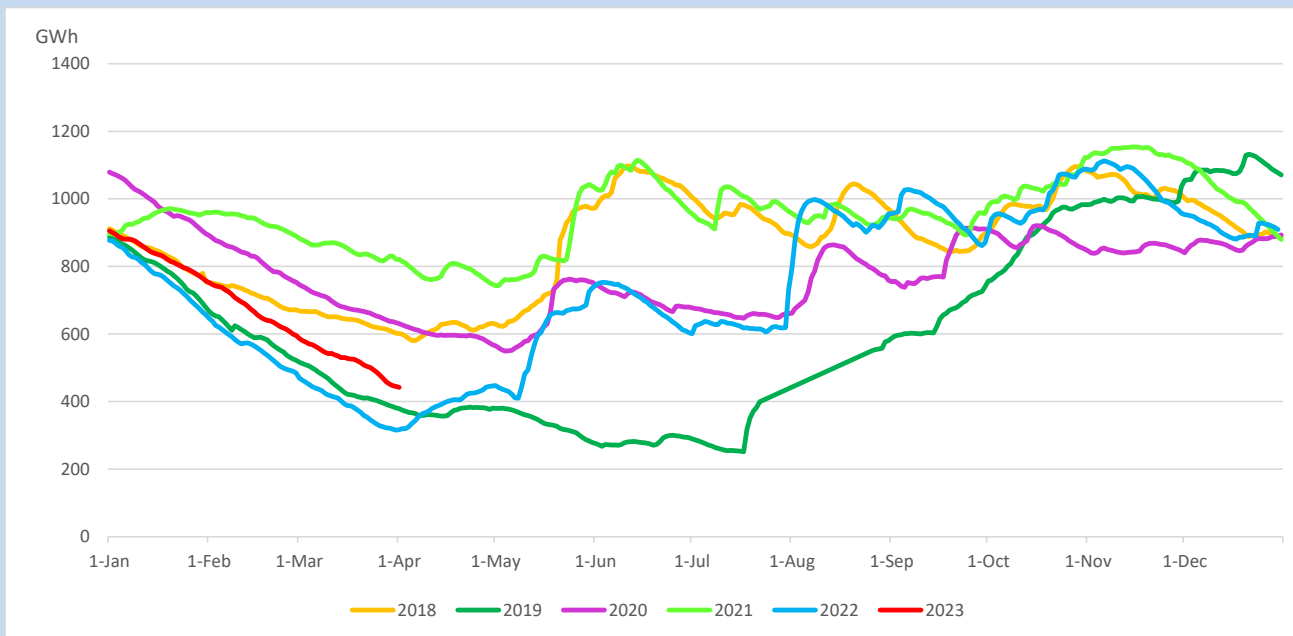
Reservoir Levels -

as at 06.00 Hr on April 3, 2023

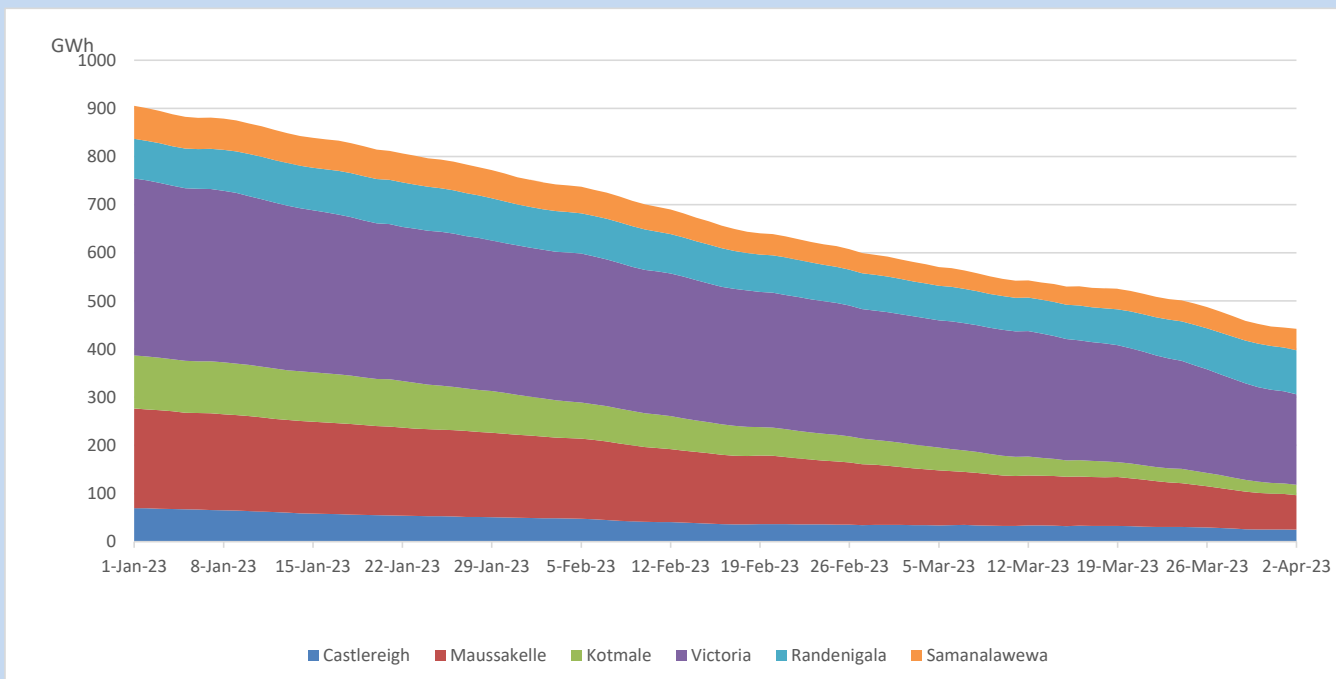


Total Reservoir Level	442.1 GWh
% of Total capacity	36.7%

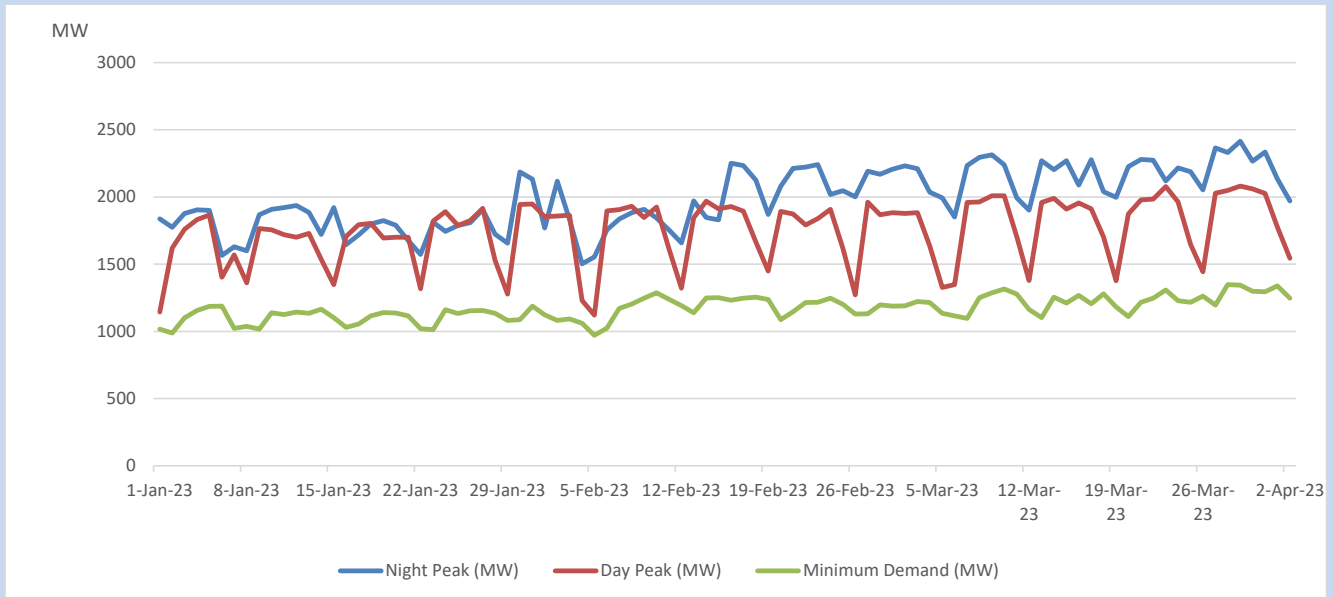
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

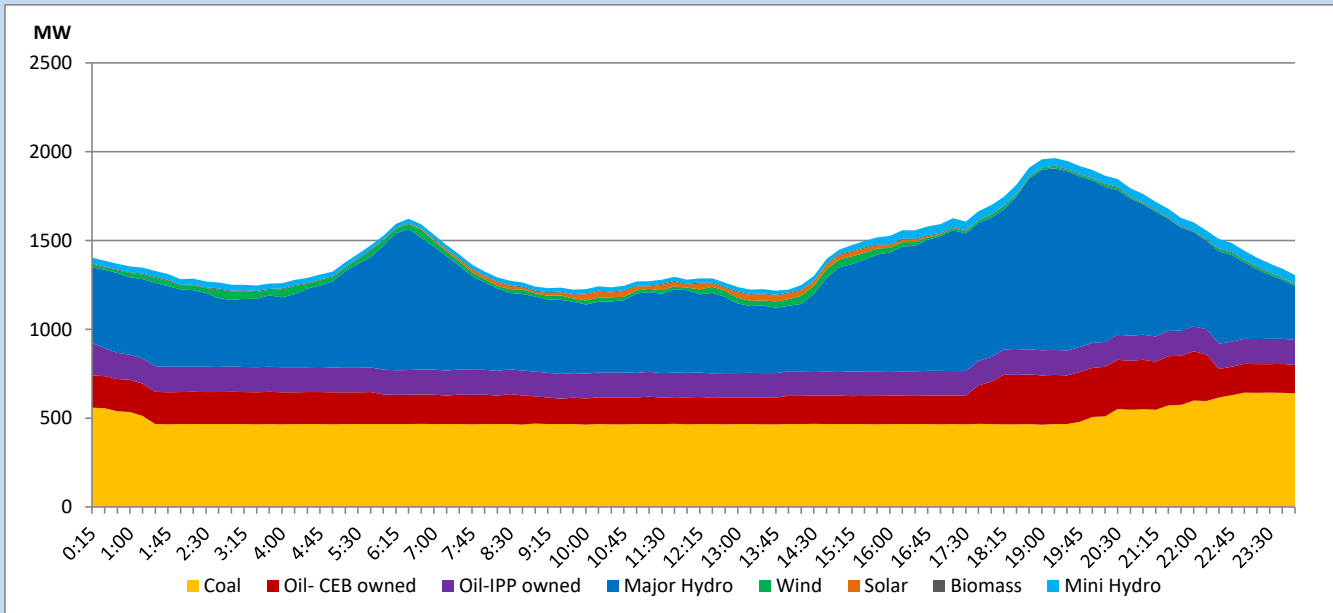


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

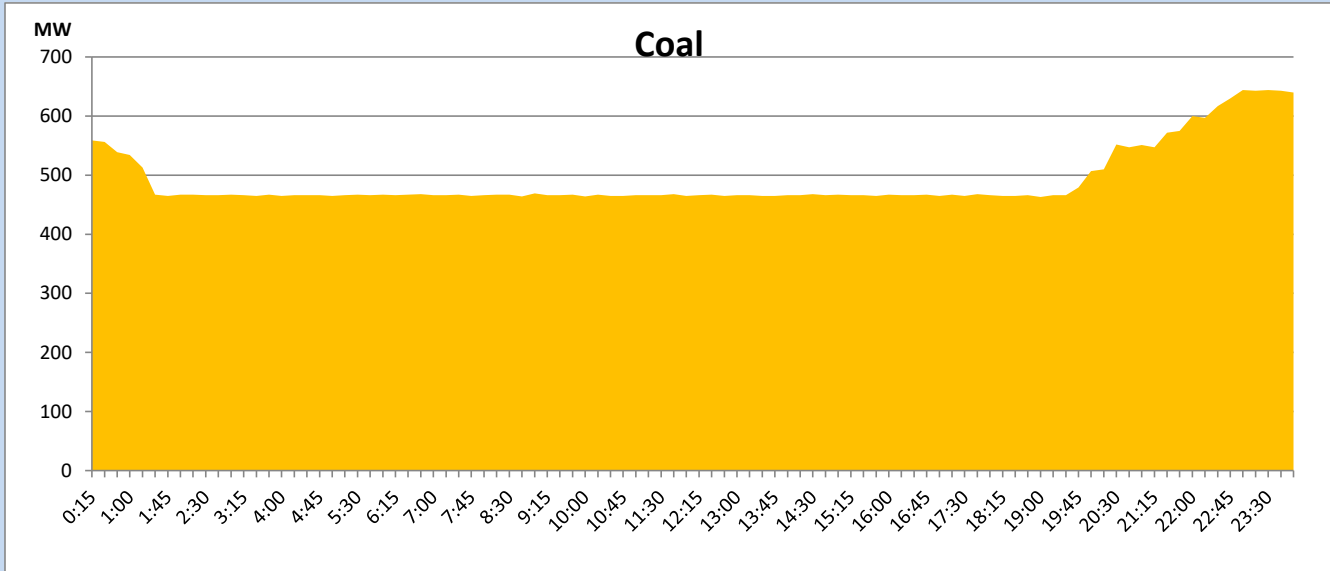
April 2, 2023

Solar and wind data is based on Telemetered Power Stations only



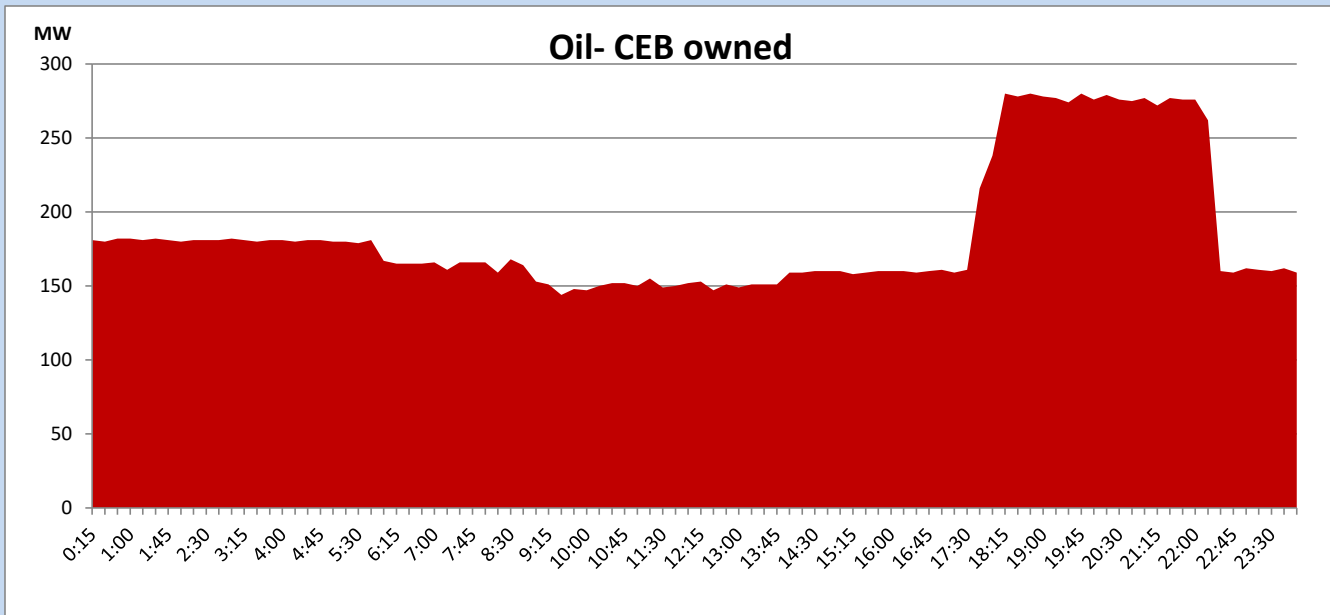
Coal Generation during

April 2, 2023



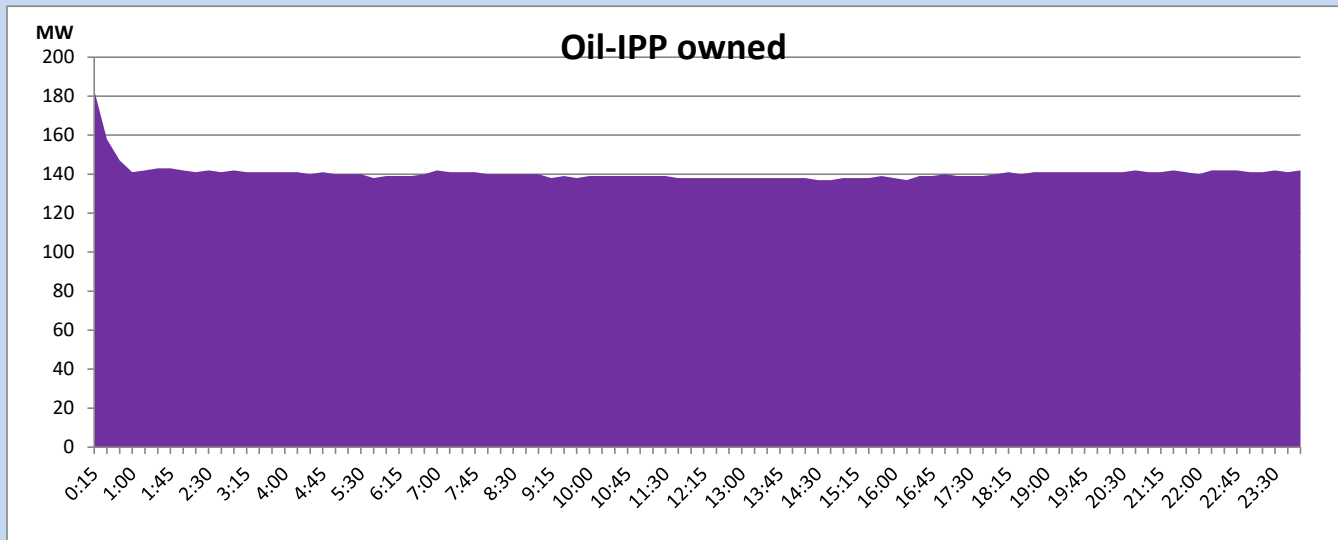
CEB Oil Plant Generation during

April 2, 2023



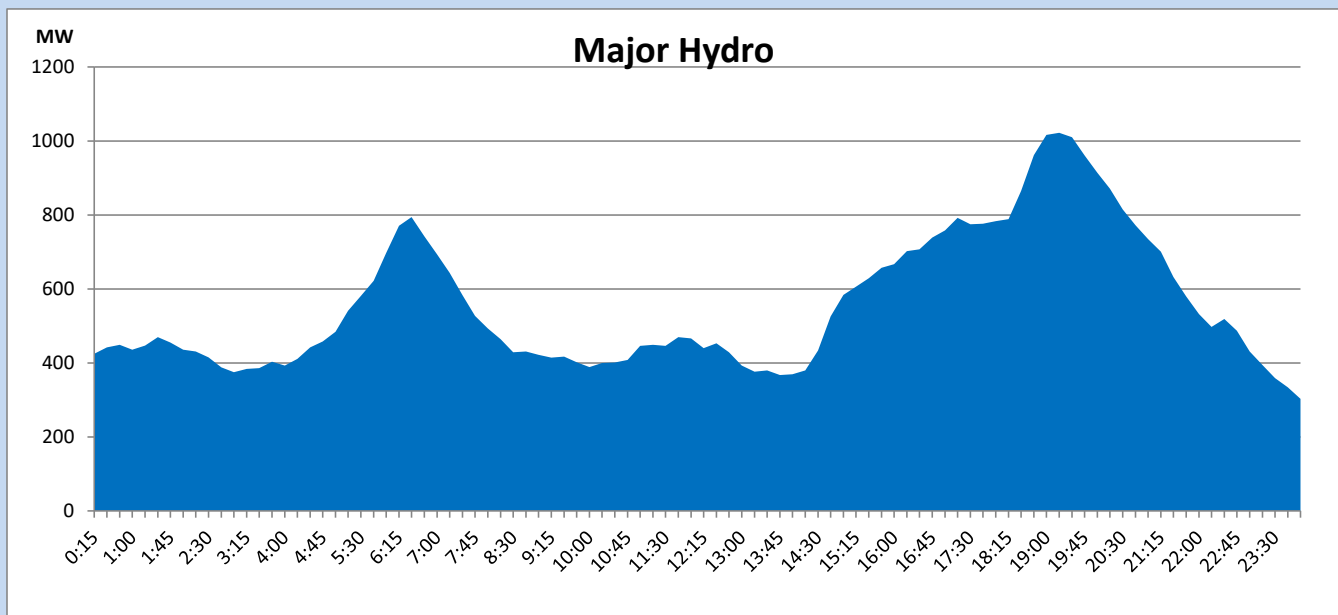
IPP Oil Plant Generation during

April 2, 2023



Major Hydro Generation during

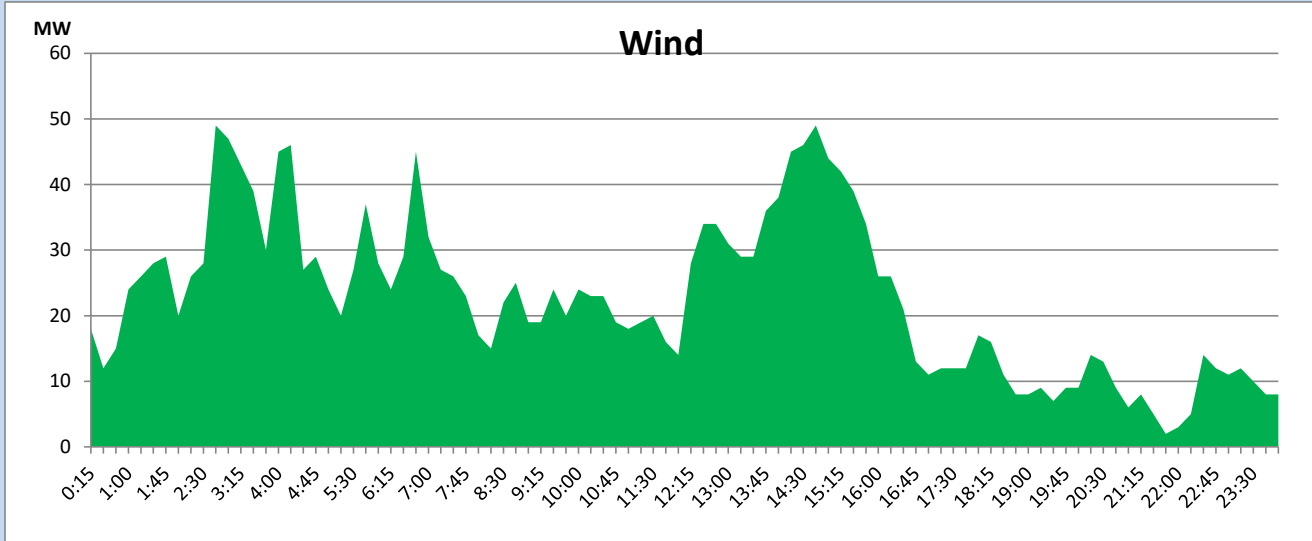
April 2, 2023



Wind Generation during

April 2, 2023

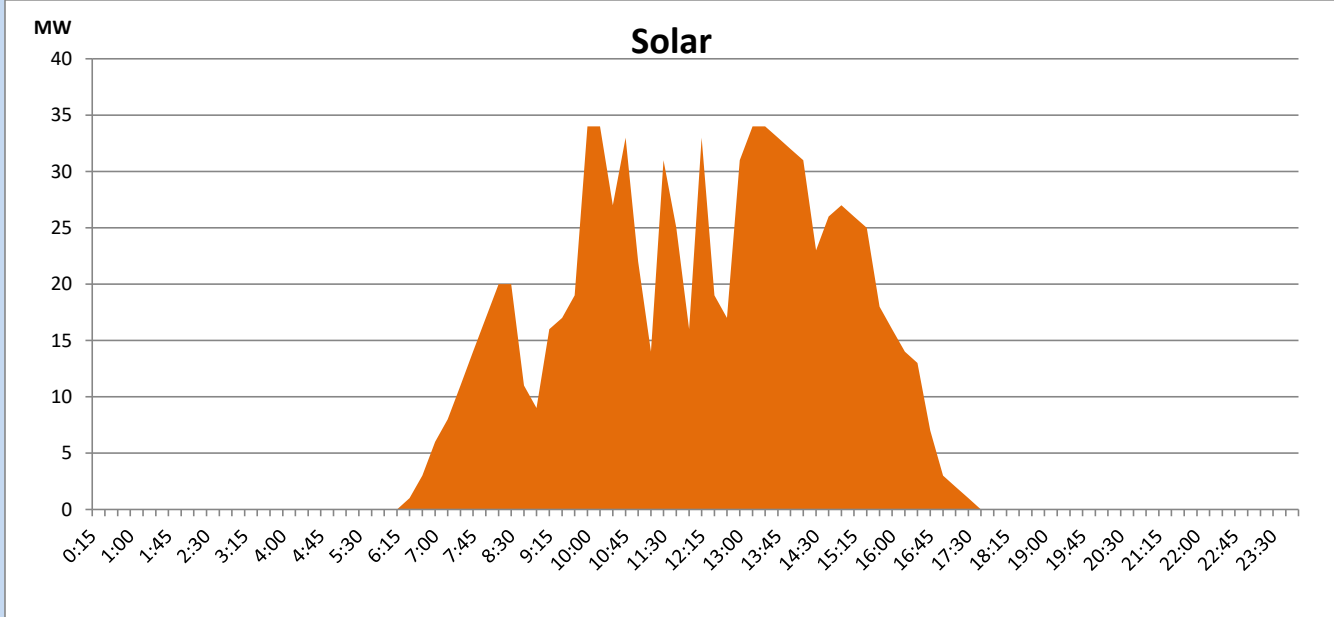
Based on Telemetered Power Stations only



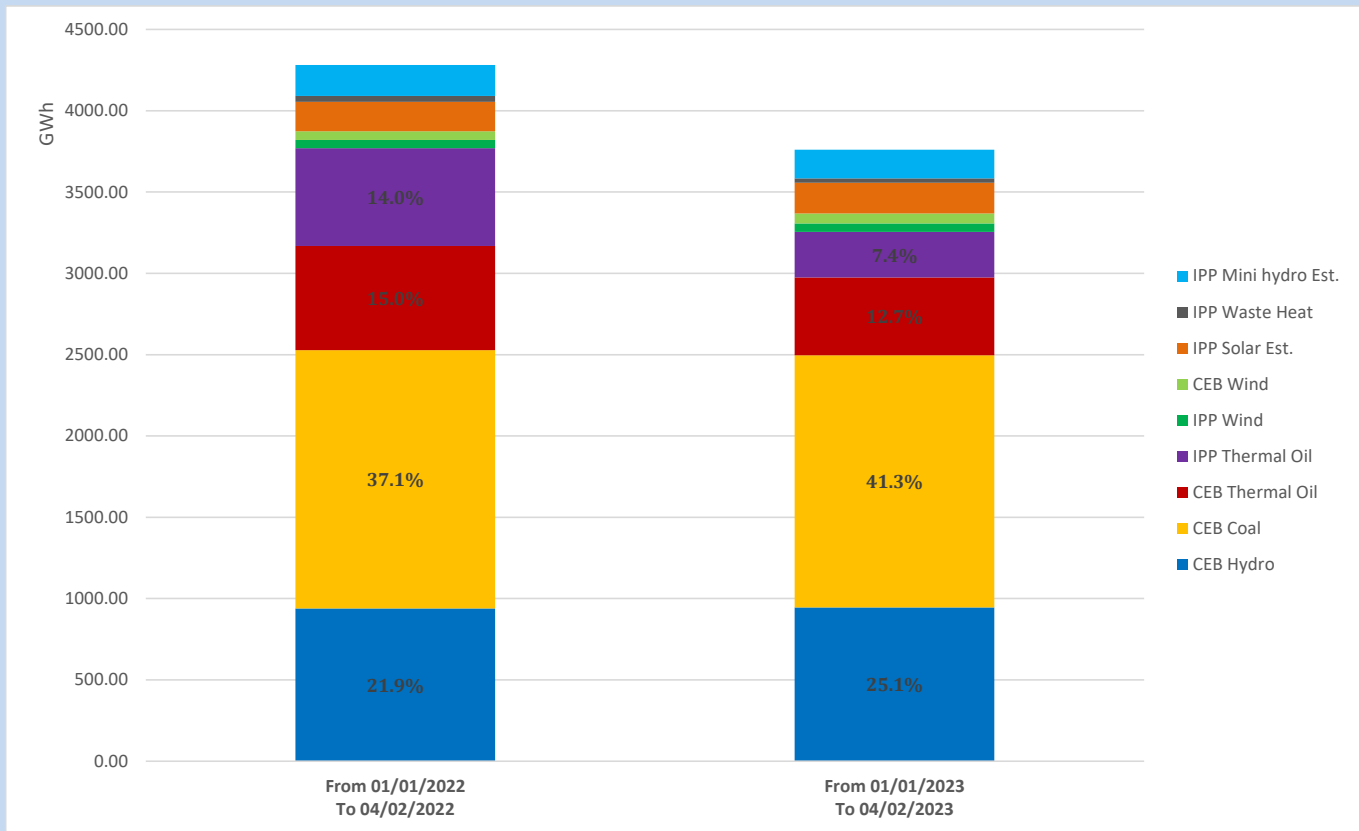
Solar Generation during

April 2, 2023

Based on Telemetered Power Stations only



Cumulative Dispatch Comparison with Last Year



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

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

April 2, 2023

1) LVPS unit 01 made a forced shutdown at 01:27hrs due to high vibration in ID fan "B". LVPS unit 01 synchronized at 19:43hrs and reached 178MW (net) at 23:05hrs.

2) WCP tripped and Rejected 140MW from the system at 04:00 Hrs (on 03/04/2023) due to malfunctioning in GT-01 synchronization. Same time Barge GT-02 also tripped and rejected 15MW. System recovered with operation of UFLS up to Stage-I and all affected feeders normalized at 04:12hrs. WCP both GTs yet to resume generation and Barge GT-02 resumed generation at 04:17 hrs.