

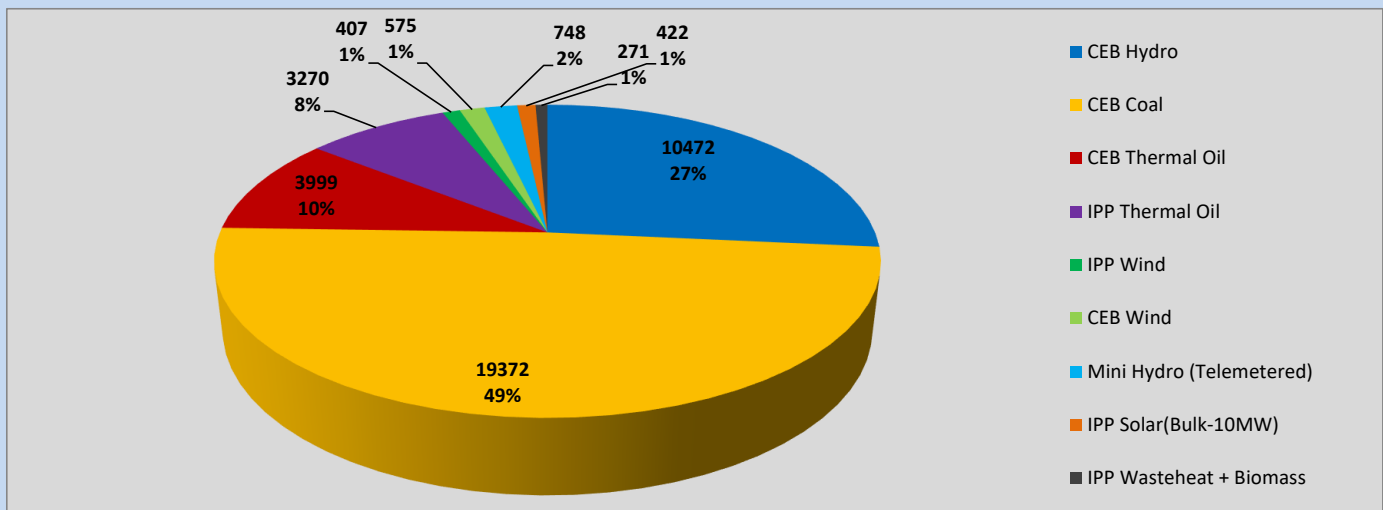
Generation and Reservoirs Statistics

February 15, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

39,536 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 2.00 GWh
 Estimated Mini Hydro (Non telemetered) = 1132 MWh
 Estimated IPP Solar PV (Bulk 1-10MW) = 304MWh
 Estimated Solar Roof Top PV = 1450 MWh

Cumulative Dispatch

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

For Current Month

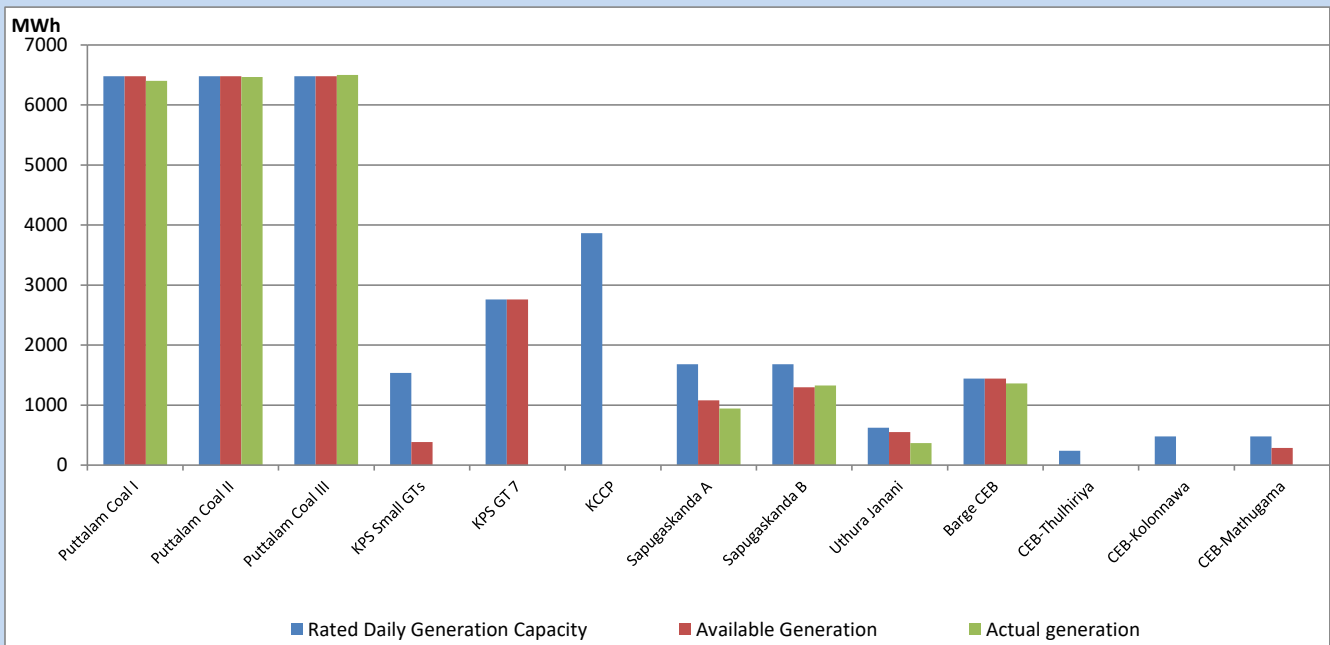
Category	Dispatch (GWh)	Percentage
CEB Hydro	158	28.35%
CEB Coal	286	51.27%
CEB Thermal Oil	59	10.59%
IPP Thermal	17	2.98%
SPP Wind	8	1.47%
CEB Wind	10	1.88%
Mini Hydro (Telemetered)	10	1.81%
IPP Solar (Bulk-10MW)	4	0.78%
IPP Wasteheat + BMP	5	0.86%
Total	557	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	488	29.18%
CEB Coal	753	45.02%
CEB Thermal Oil	232	13.86%
IPP Thermal	72	4.33%
SPP Wind	29	1.75%
CEB Wind	36	2.13%
Mini Hydro (Telemetered)	37	2.23%
IPP Solar (Bulk-10MW)	13	0.76%
IPP Wasteheat	12	0.74%
Total	1,672	

CEB owned Thermal Plant Dispatch

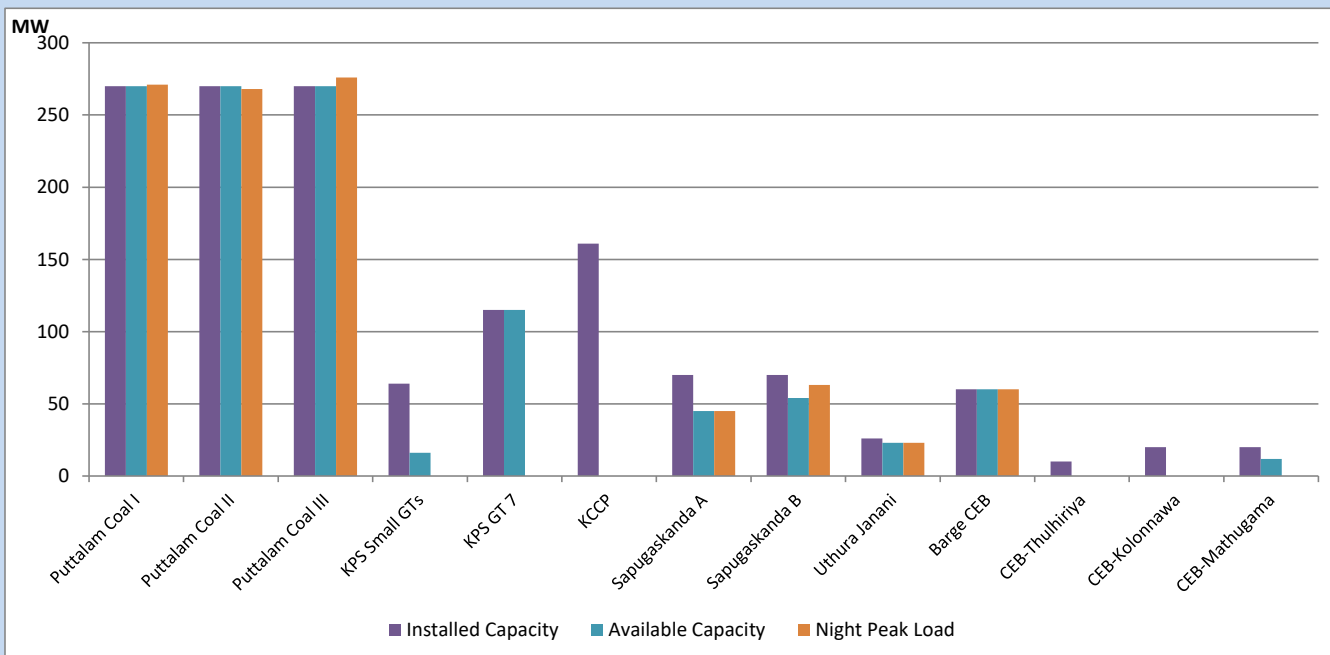
February 15, 2023



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

February 16, 2023

CEB owned Thermal Plant Loading at the Night Peak

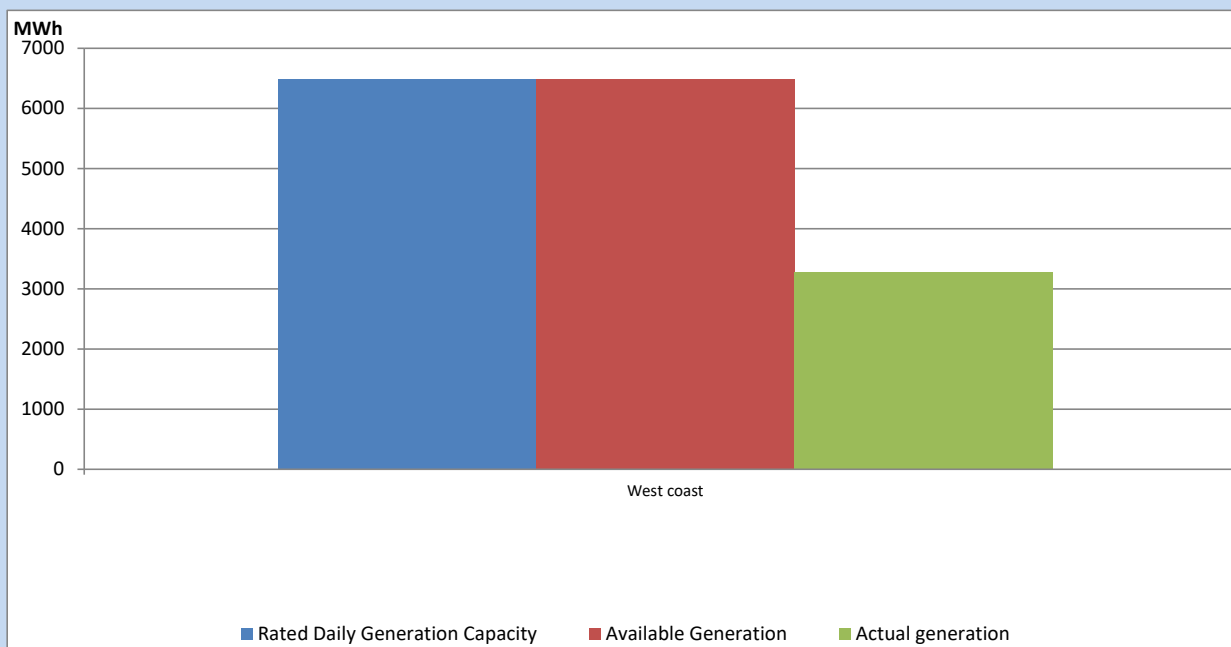


Note- Plant availability is recorded at 6.00 am on

February 16, 2023

IPP owned Thermal Plant Dispatch

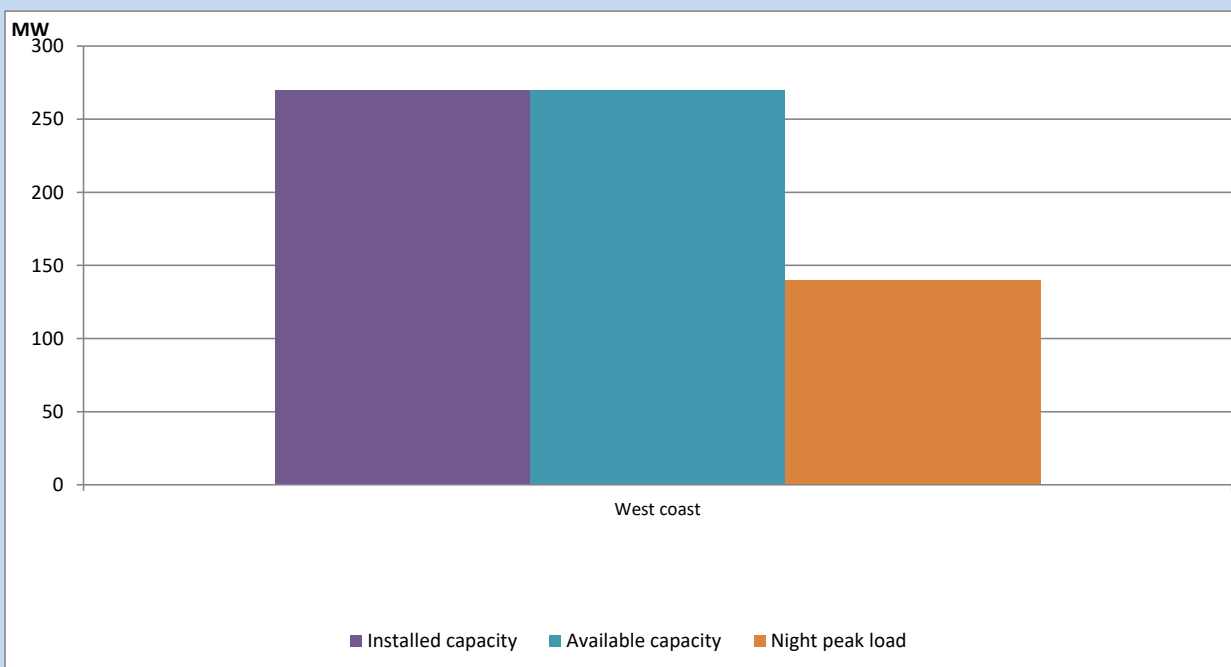
February 15, 2023



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

February 16, 2023

IPP owned Thermal Plant Loading at the Night Peak

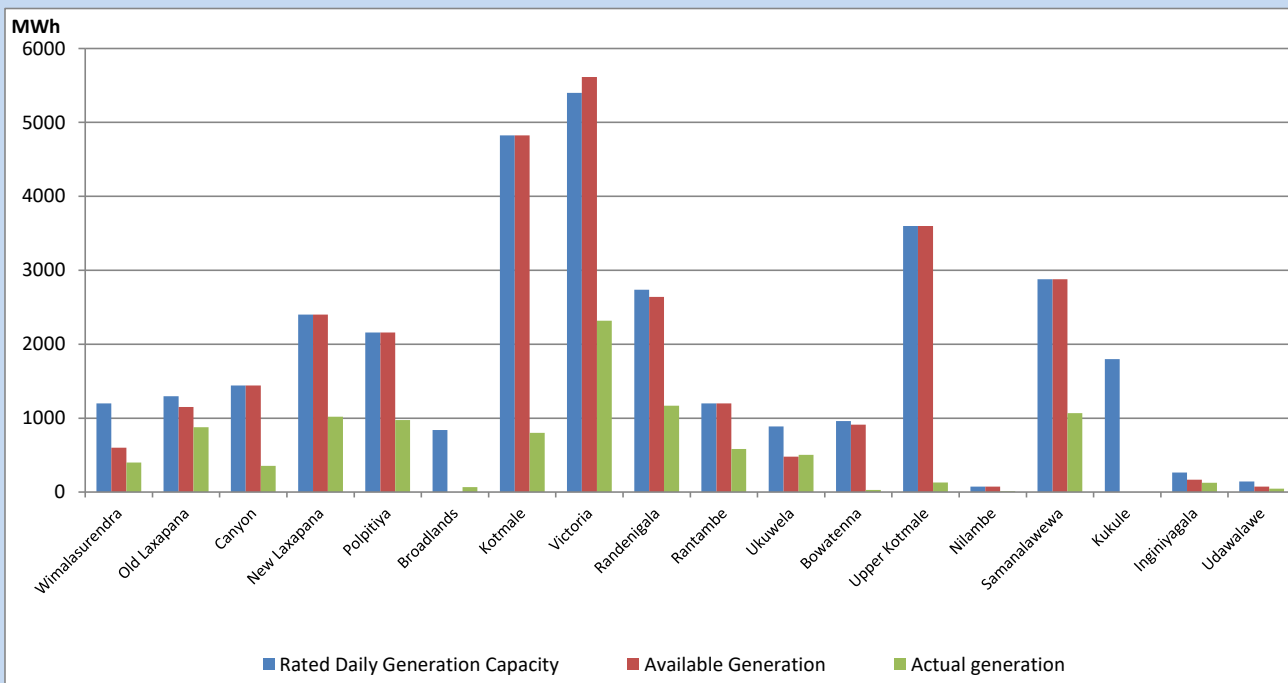


Note- Plant availability is recorded at 6.00 am on

February 16, 2023

Major Hydro Plant Dispatch

February 15, 2023

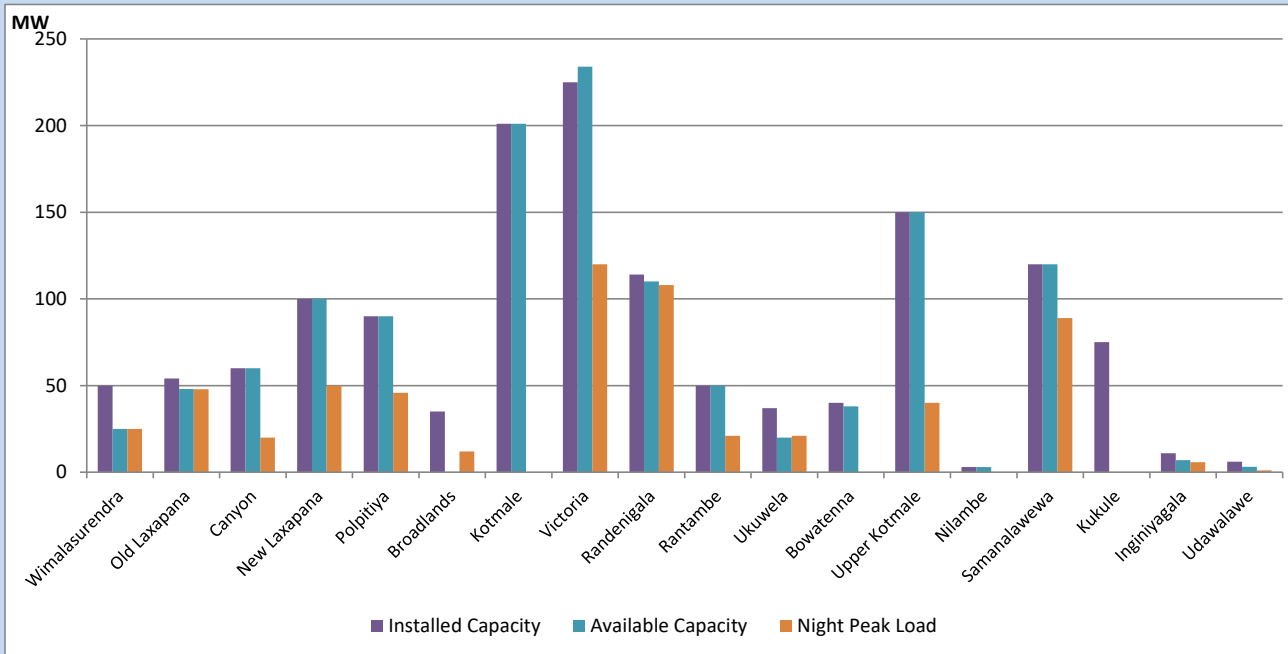


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 16, 2023

Major Hydro Plant Loading at Night Peak

February 15, 2023



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

February 16, 2023

Summary of Major Plant performance

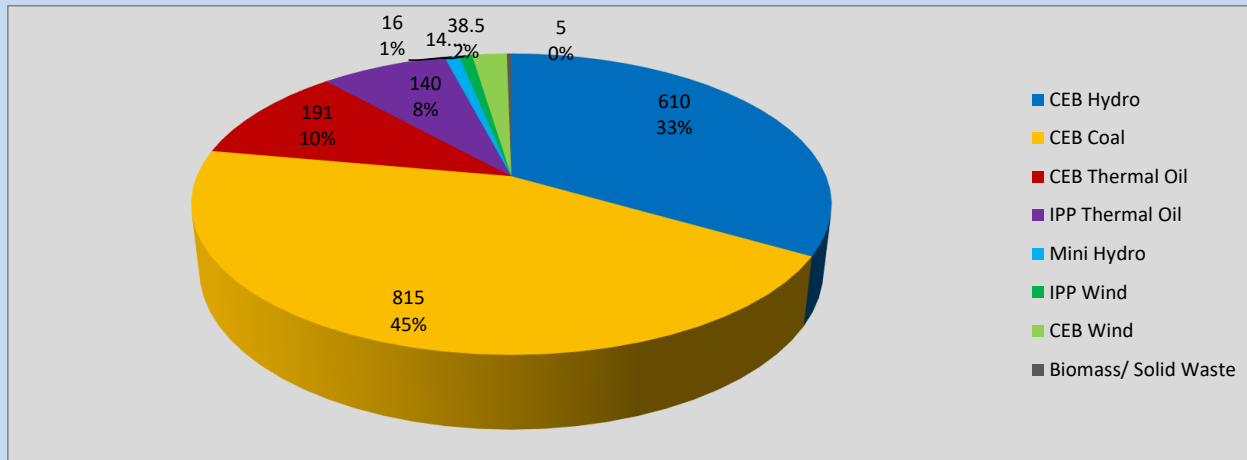
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	398
Old Laxapana	54	48	48	877
Canyon	60	60	20	355
New Laxapana	100	100	50	1,019
Polpitiya	90	90	46	974
Broadlands	35	0	12	68
Kotmale	201	201	0	800
Victoria	225	234	120	2,317
Randenigala	114	110	108	1,168
Rantambe	50	50	21	582
Ukuwela	37	20	21	504
Bowatenna	40	38	0	30
Upper Kotmale	150	150	40	130
Nilambe	3	3	0	10
Samanalawewa	120	120	89	1,067
Kukule	75	0	0	0
Inginiyagala	11	7	6	127
Udawalawe	6	3	1	46
Puttalam Coal I	270	270	271	6,403
Puttalam Coal II	270	270	268	6,467
Puttalam Coal III	270	270	276	6,502
KPS Small GTs	64	16	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	45	943
Sapugaskanda B	70	54	63	1,329
Uthura Janani	26	23	23	368
Barge CEB	60	60	60	1,359
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	12	0	0
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	140	3,270
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,664	1,826	39,536

Plant availability is the availability recorded at 6 am on

February 16, 2023

Contribution to the Night Peak in MW

February 15, 2023

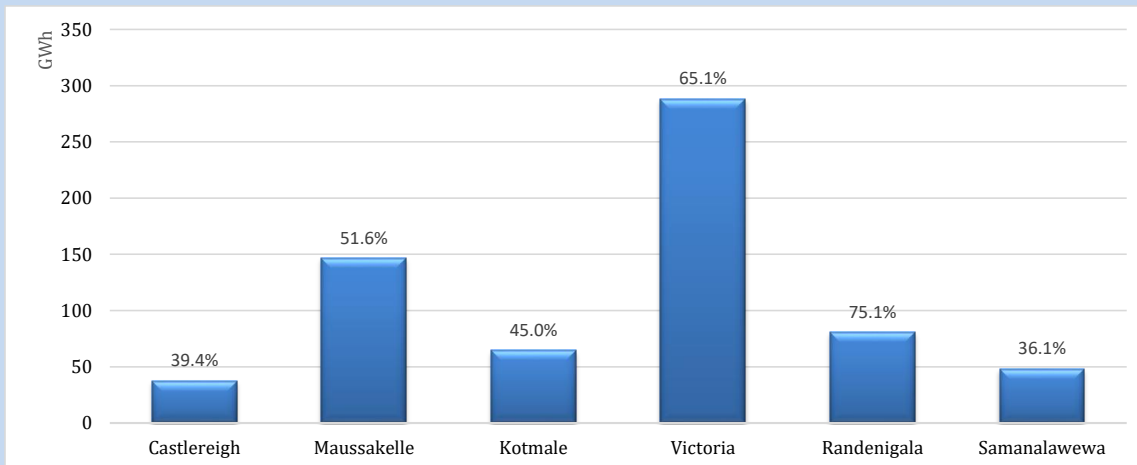


Night Peak*	1,830 MW
Day Peak	1,911 MW
Minimum Demand	1,251 MW

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

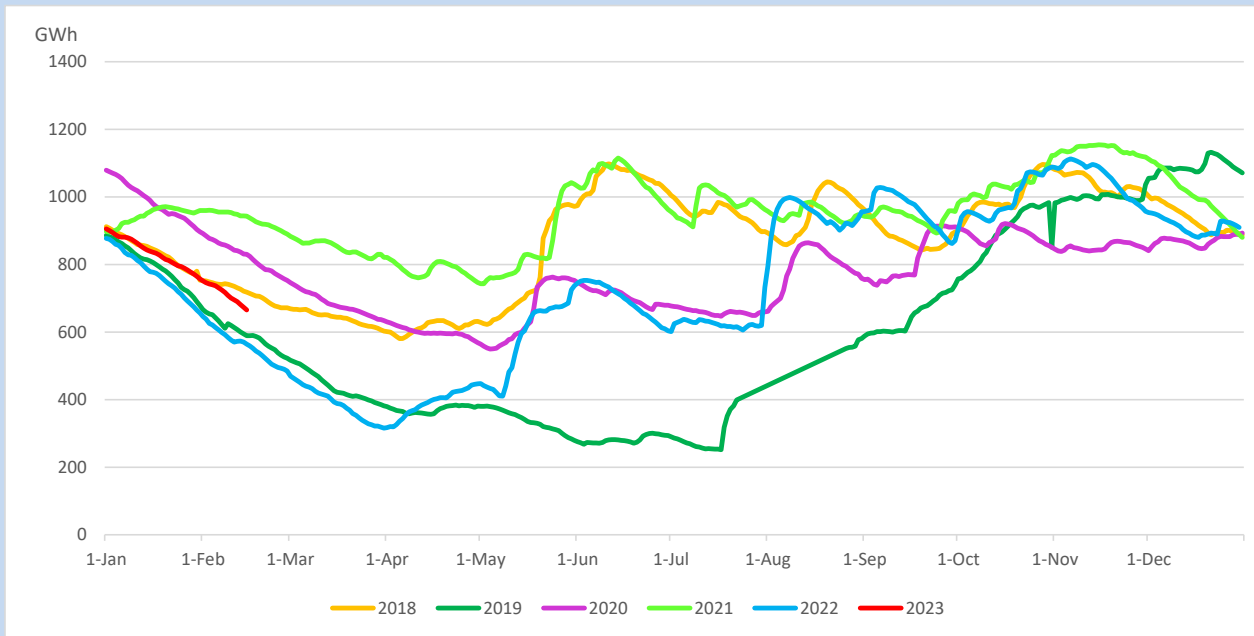
Reservoir Levels -

as at 06.00 Hr on February 16, 2023

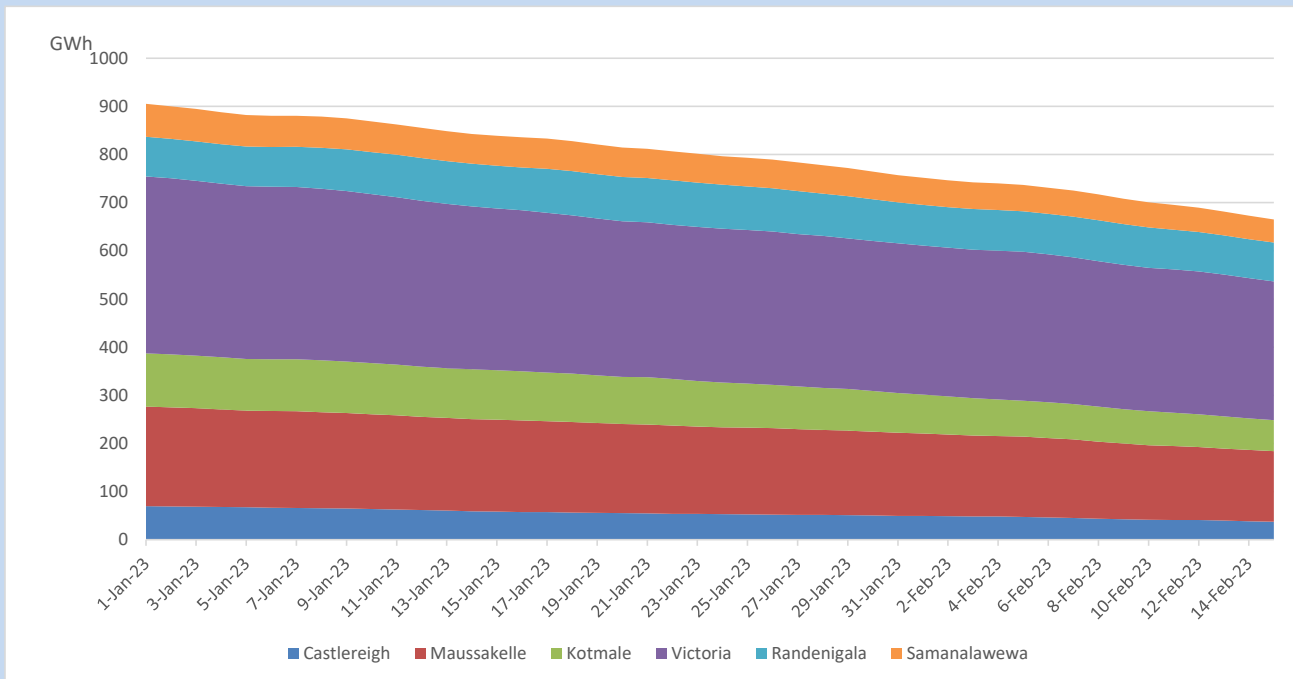


Total Reservoir Level	665.3 GWh
% of Total capacity	55.2%

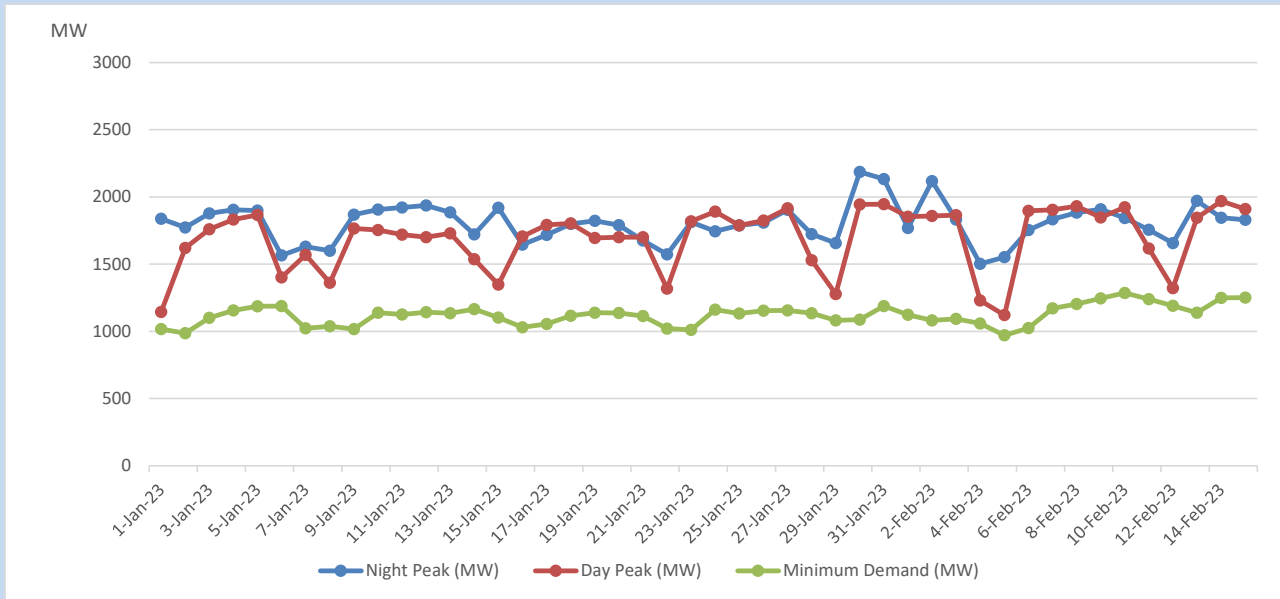
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

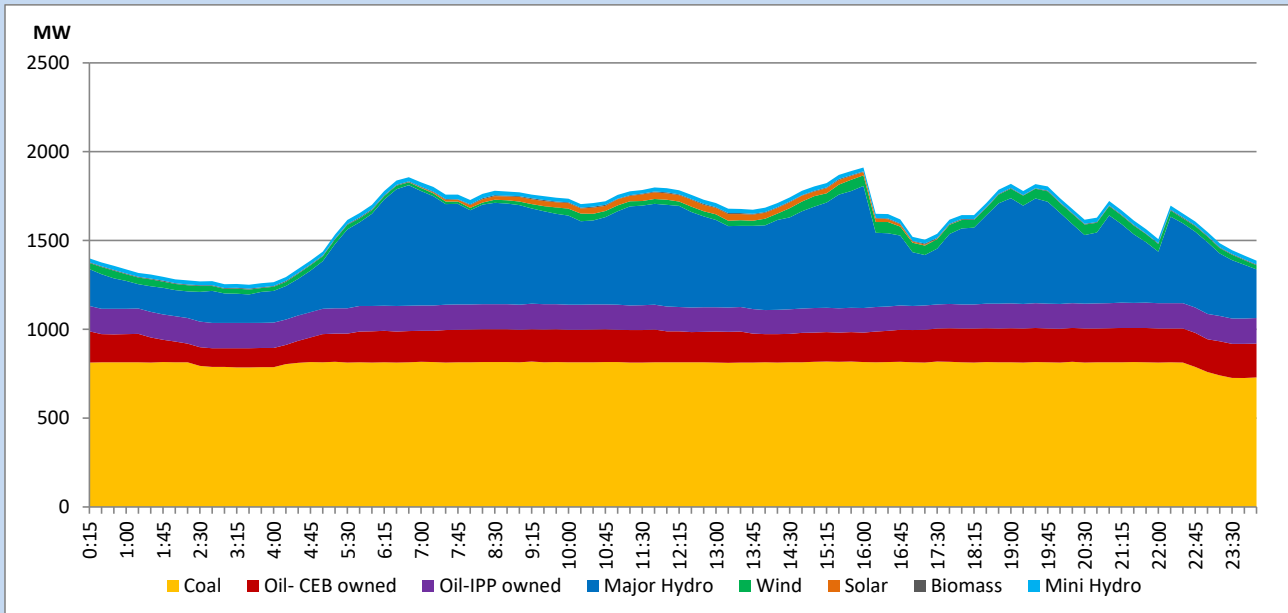


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

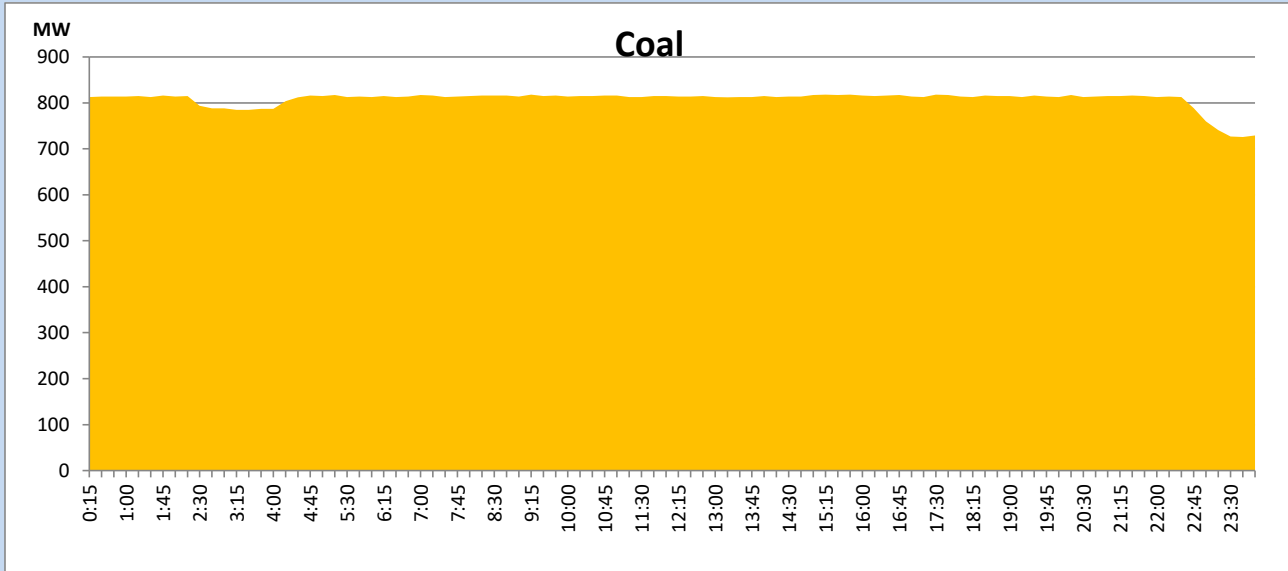
February 15, 2023

Solar and wind data is based on Telemetered Power Stations only



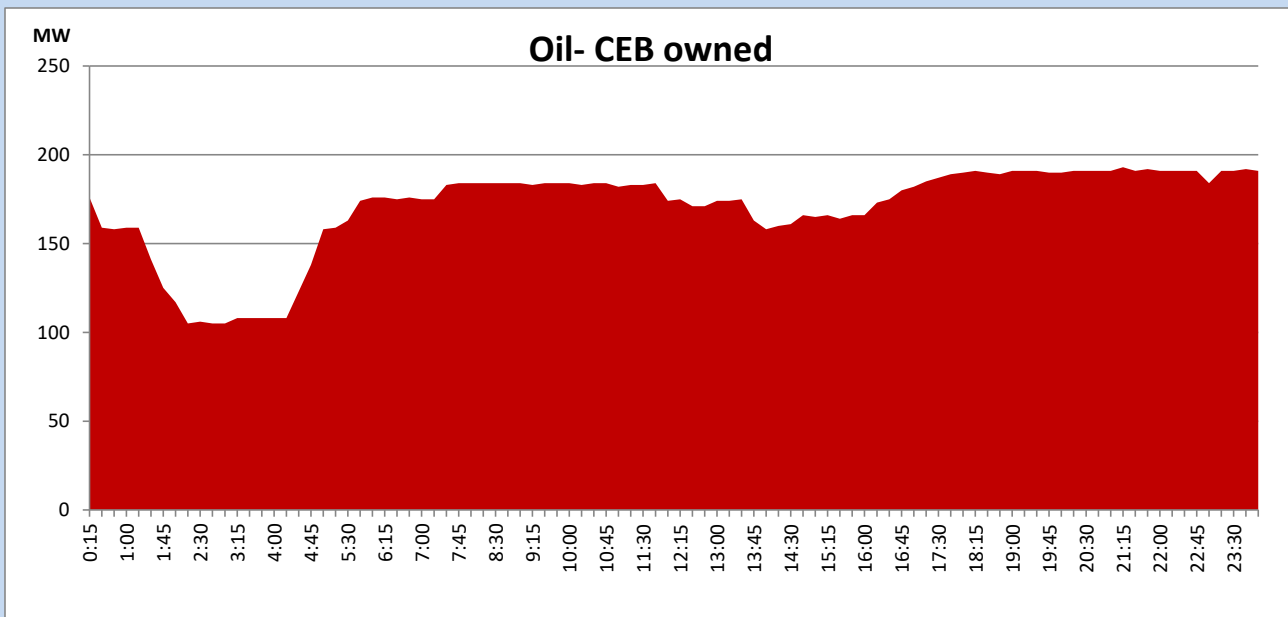
Coal Generation during

February 15, 2023



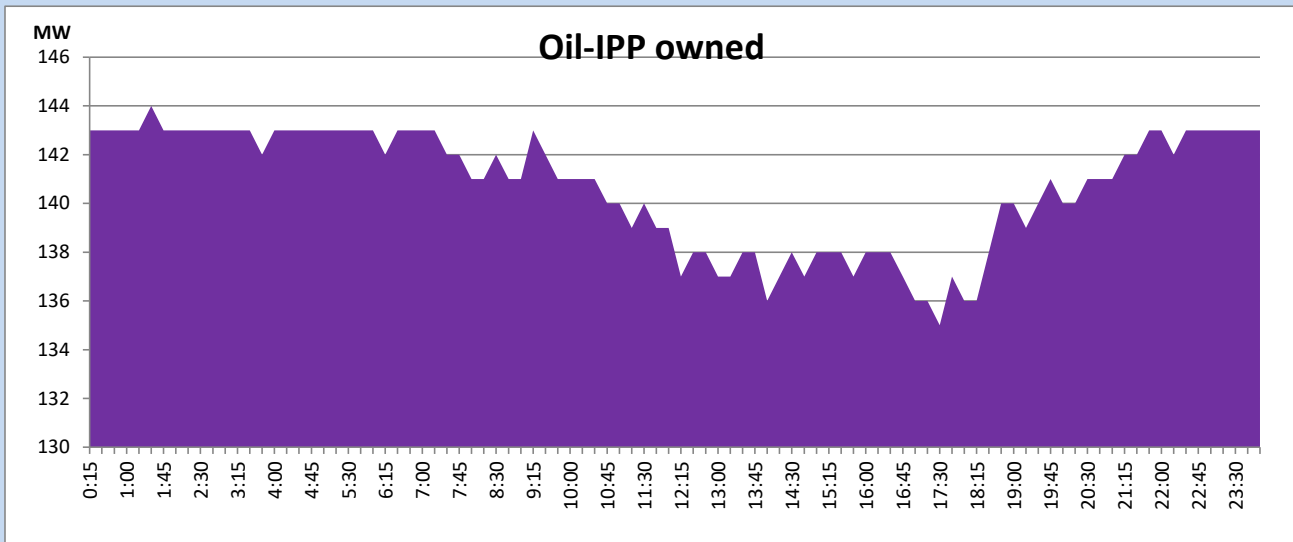
CEB Oil Plant Generation during

February 15, 2023



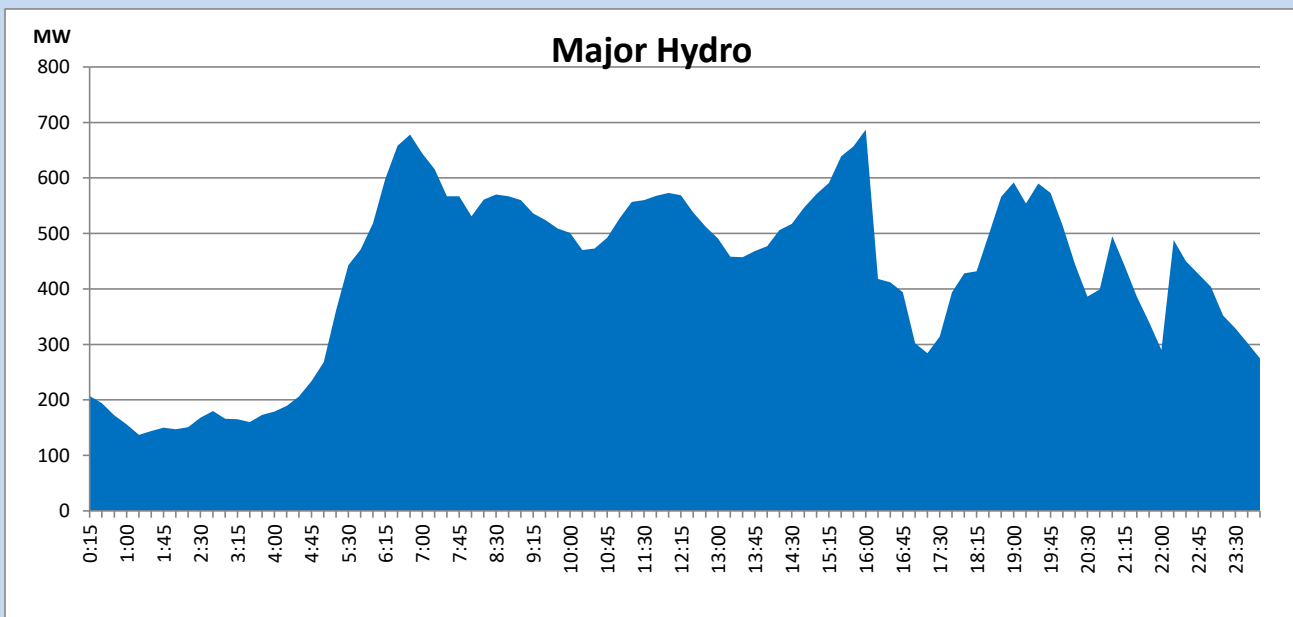
IPP Oil Plant Generation during

February 15, 2023



Major Hydro Generation during

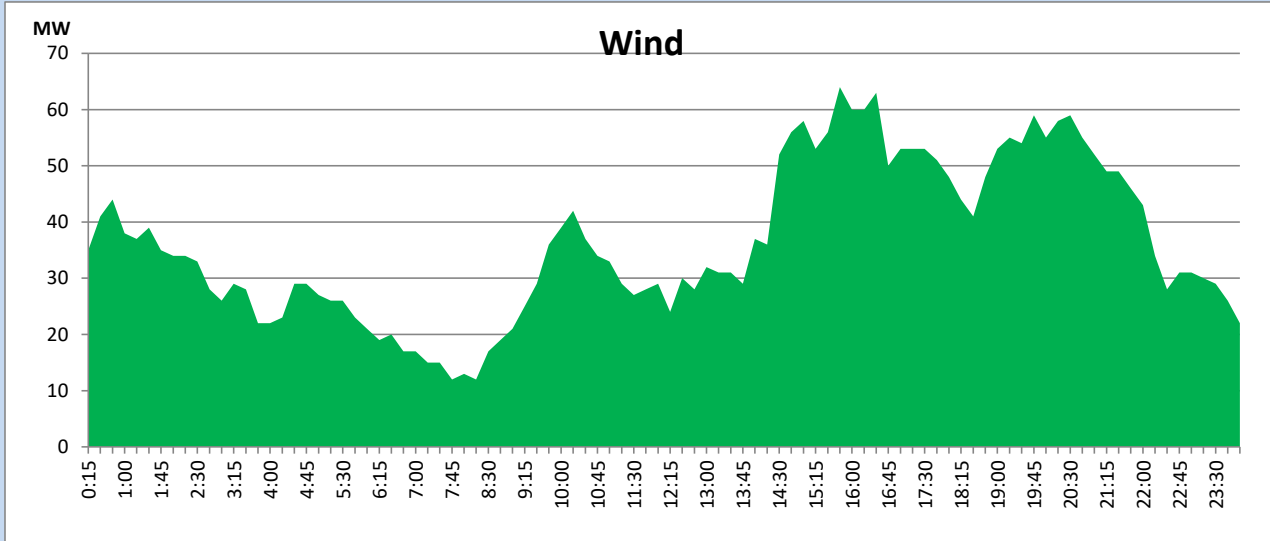
February 15, 2023



Wind Generation during

February 15, 2023

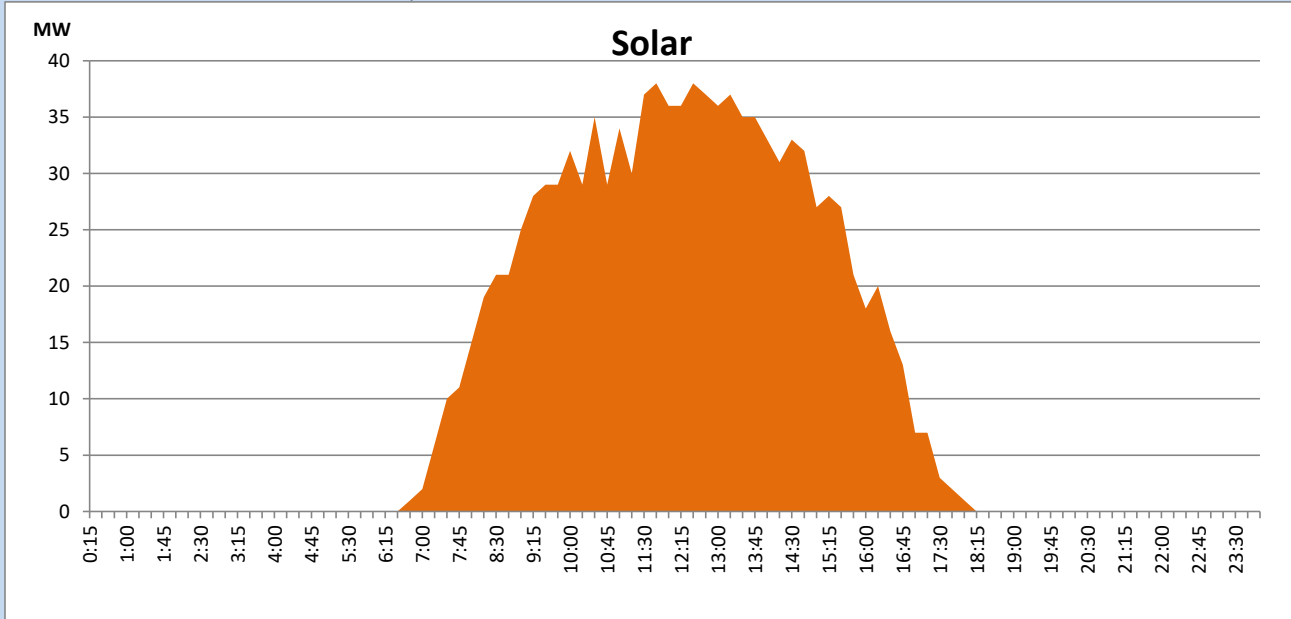
Based on Telemetered Power Stations only



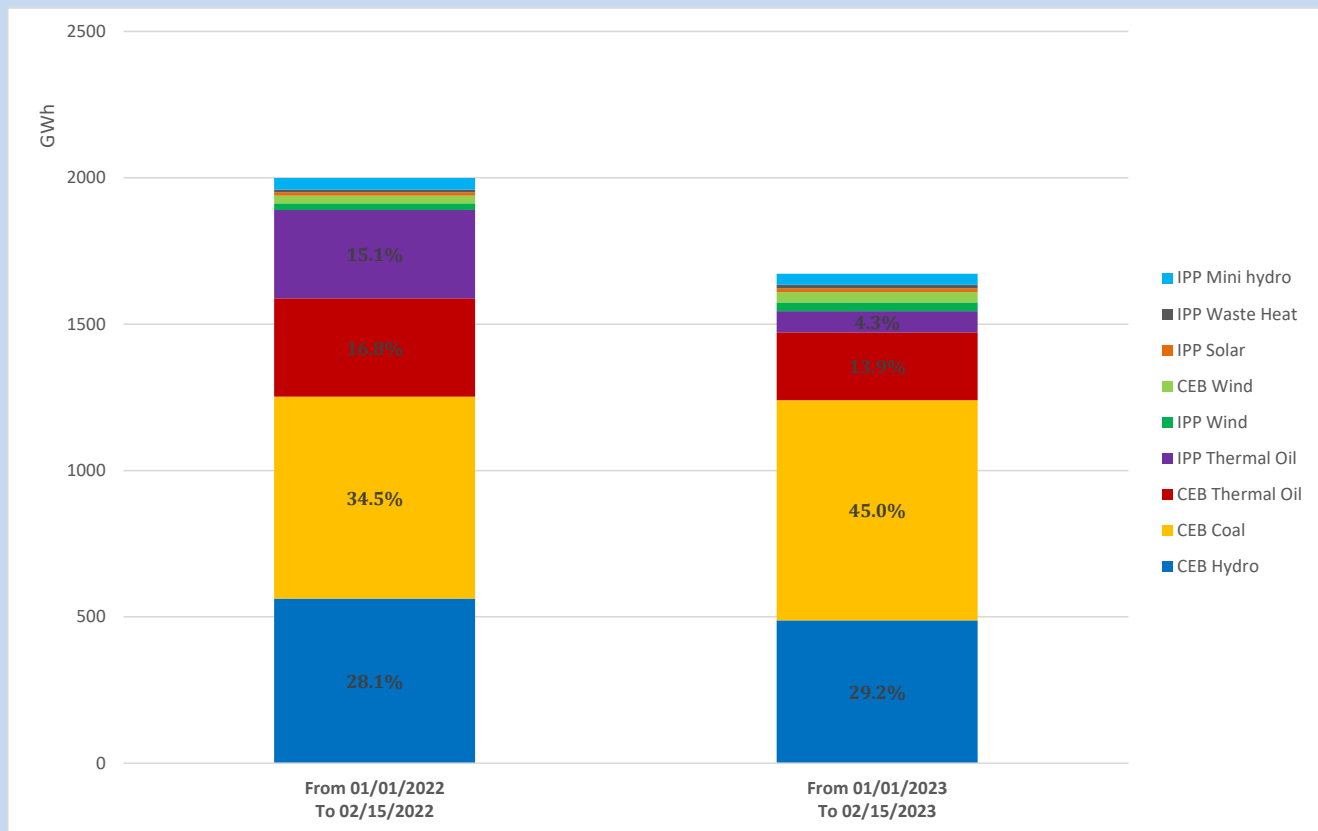
Solar Generation during

February 15, 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

February 15, 2023

- 1) Rotational manual load shedding was carried out from 16:00hrs to 22:00hrs.