

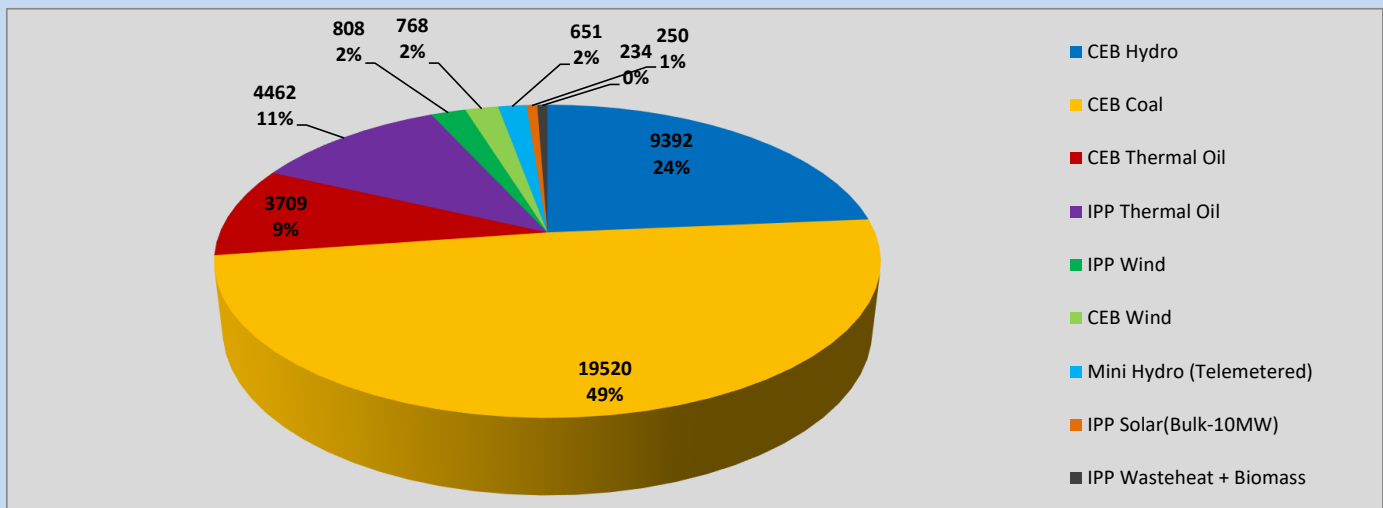
Generation and Reservoirs Statistics

February 27, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

39,794 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 1062 MWh
 Estimated IPP Solar PV (Bulk 1-10MW) = 304 MWh
 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

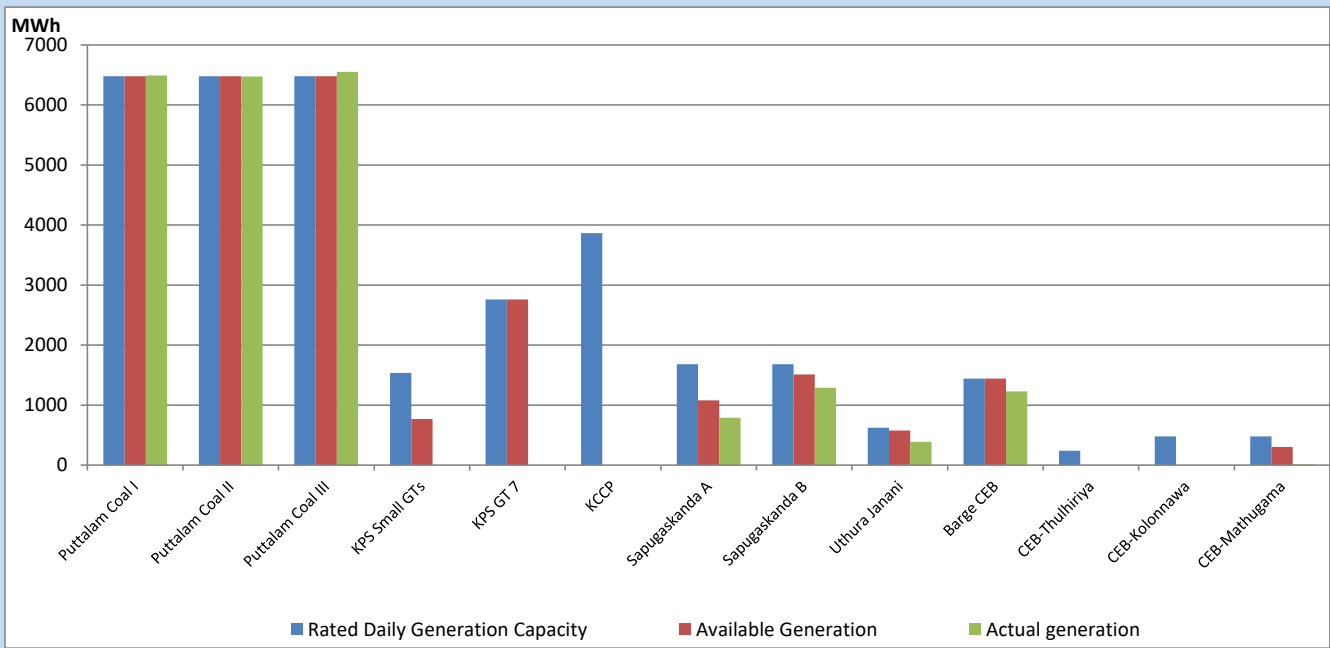
Category	Dispatch (GWh)	Percentage
CEB Hydro	262	25.71%
CEB Coal	518	50.76%
CEB Thermal Oil	101	9.90%
IPP Thermal	69	6.79%
SPP Wind	16	1.57%
CEB Wind	18	1.80%
Mini Hydro (Telemetered)	18	1.79%
IPP Solar(Bulk-10MW)	8	0.79%
IPP Wasteheat + BMP	9	0.90%
Total	1,021	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	592	27.74%
CEB Coal	985	46.13%
CEB Thermal Oil	274	12.82%
IPP Thermal	125	5.86%
SPP Wind	37	1.73%
CEB Wind	44	2.04%
Mini Hydro (Telemetered)	45	2.12%
IPP Solar(Bulk-10MW)	16	0.77%
IPP Wasteheat	17	0.79%
Total	2,135	

CEB owned Thermal Plant Dispatch

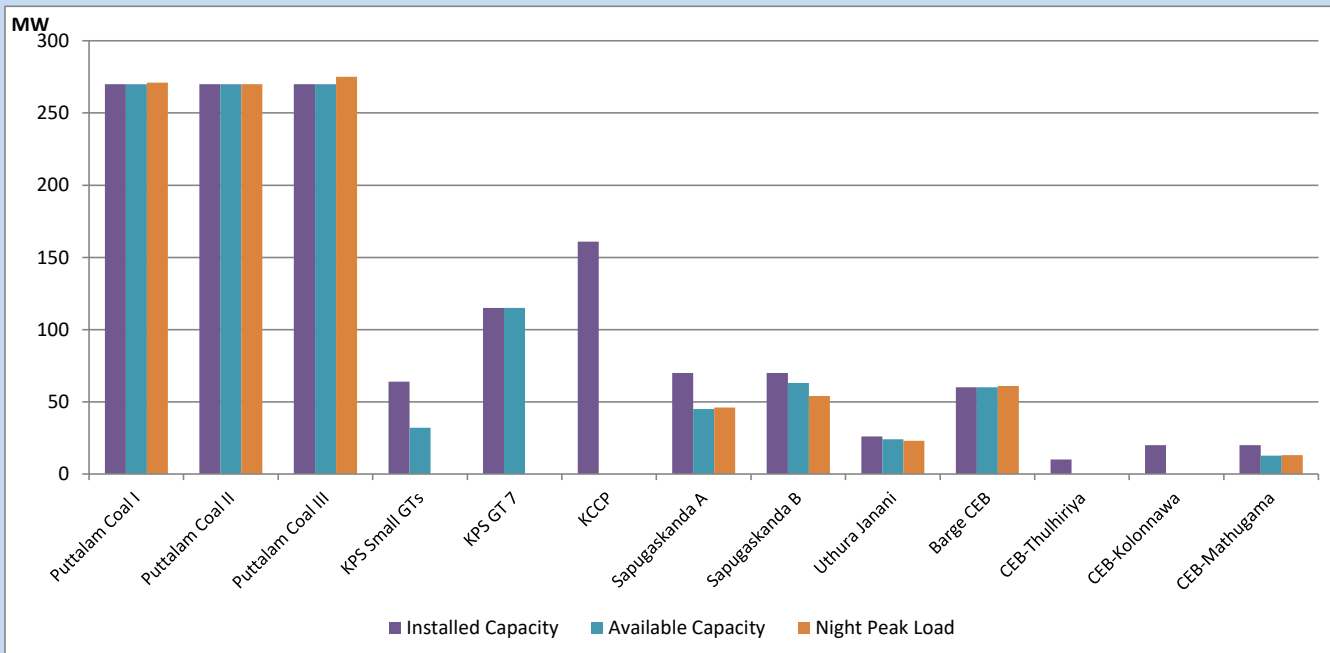
February 27, 2023



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

February 28, 2023

CEB owned Thermal Plant Loading at the Night Peak

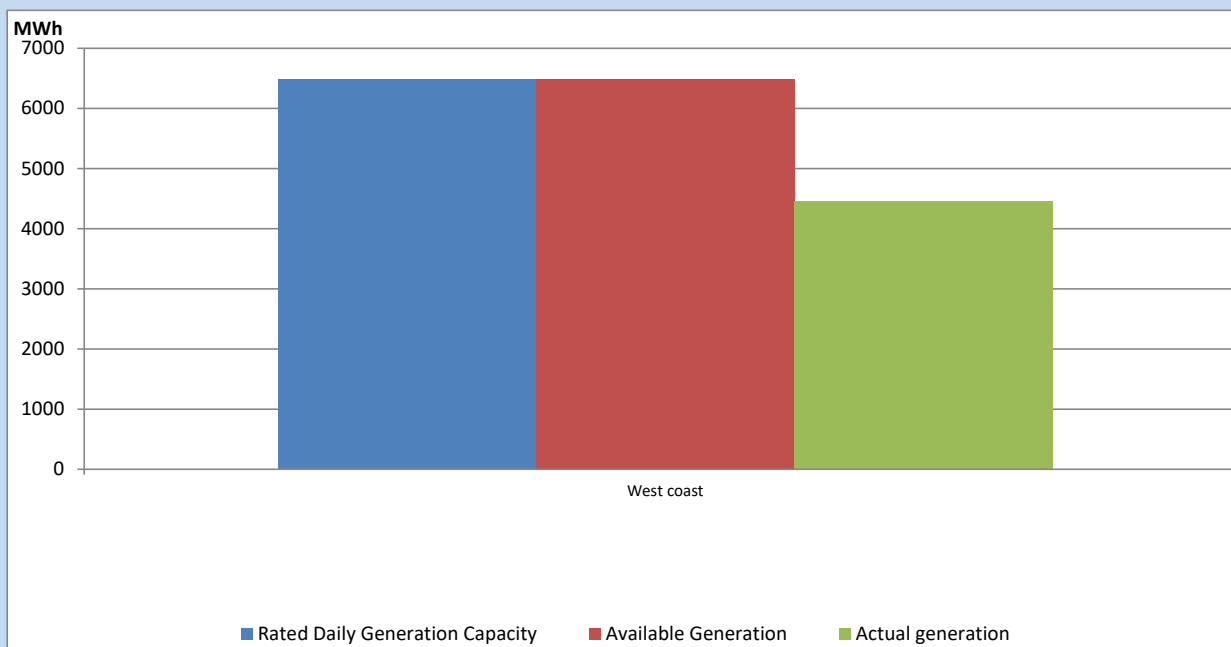


Note- Plant availability is recorded at 6.00 am on

February 28, 2023

IPP owned Thermal Plant Dispatch

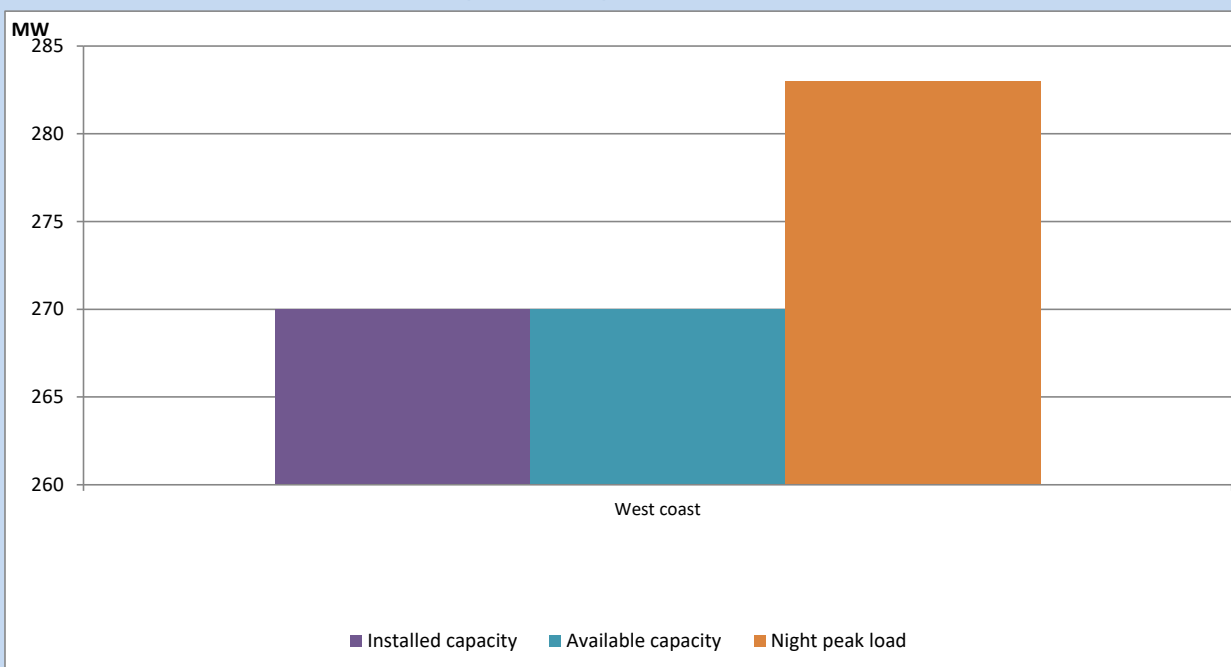
February 27, 2023



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

February 28, 2023

IPP owned Thermal Plant Loading at the Night Peak

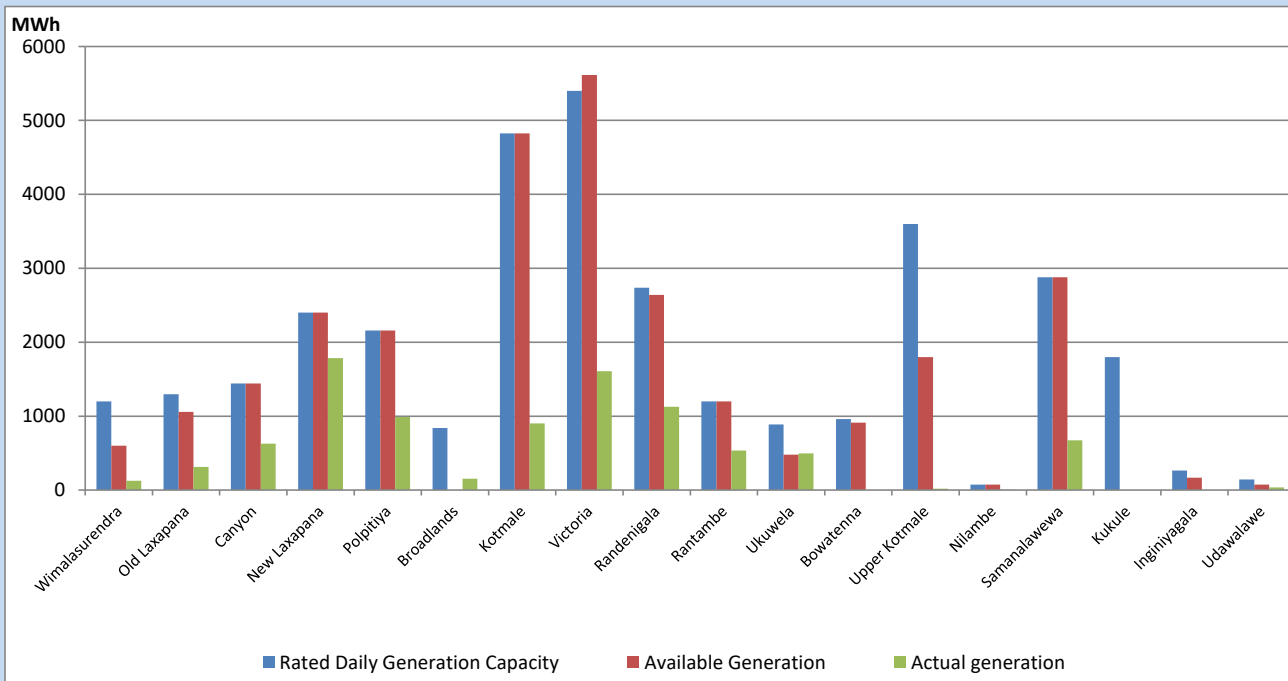


Note- Plant availability is recorded at 6.00 am on

February 28, 2023

Major Hydro Plant Dispatch

February 27, 2023

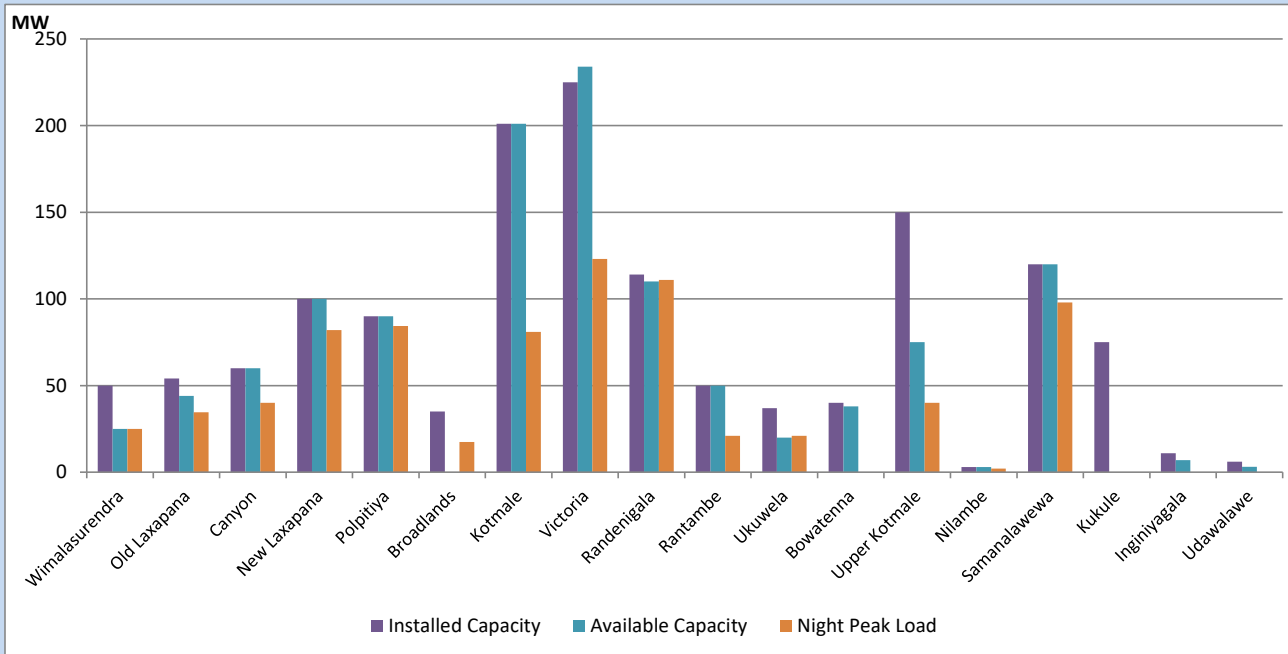


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 28, 2023

Major Hydro Plant Loading at Night Peak

February 27, 2023



Note- Plant availability is recorded at 6.00 am on

February 28, 2023

Broadlands power plant is operating in the Commissioning Stage

Summary of Major Plant performance

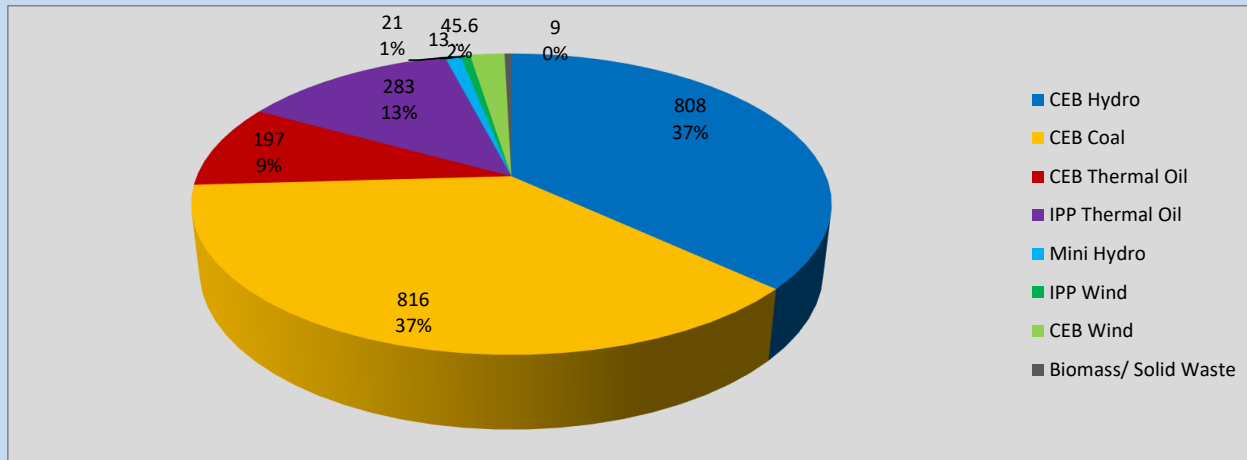
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	125
Old Laxapana	54	44	35	312
Canyon	60	60	40	629
New Laxapana	100	100	82	1,786
Polpitiya	90	90	84	987
Broadlands	35	0	18	152
Kotmale	201	201	81	900
Victoria	225	234	123	1,609
Randenigala	114	110	111	1,128
Rantambe	50	50	21	535
Ukuwela	37	20	21	497
Bowatenna	40	38	0	0
Upper Kotmale	150	75	40	19
Nilambe	3	3	2	6
Samanalawewa	120	120	98	673
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	0	34
Puttalam Coal I	270	270	271	6,494
Puttalam Coal II	270	270	270	6,476
Puttalam Coal III	270	270	275	6,550
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	46	789
Sapugaskanda B	70	63	54	1,287
Uthura Janani	26	24	23	389
Barge CEB	60	60	61	1,231
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	13	13	13
ACE Matara	24	0	0	0
Asia Power	50	0	0	0
Sojitz Kelanitissa	163	0	0	0
West Coast	270	270	283	4,462
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,612	2,165	39,794

Plant availability is the availability recorded at 6 am on

February 28, 2023

Contribution to the Night Peak in MW

February 27, 2023

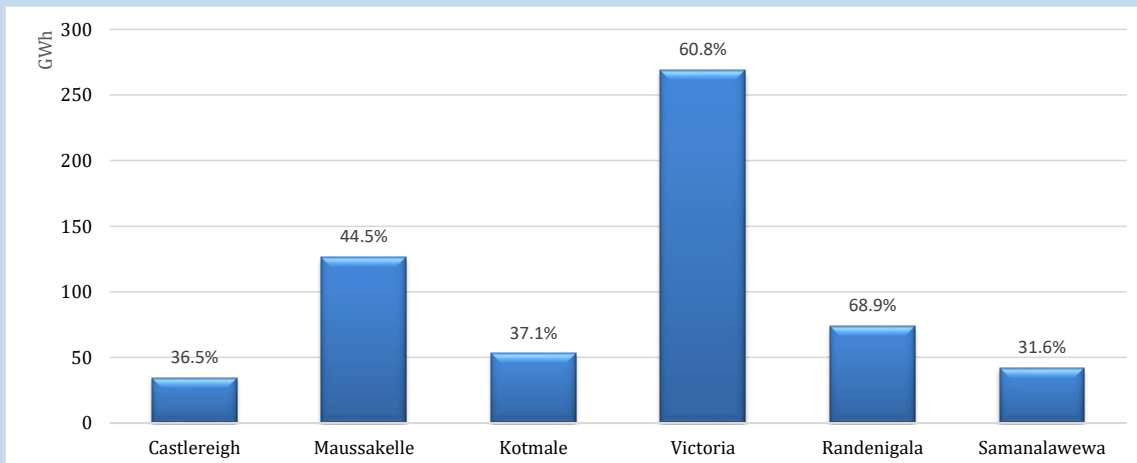


Night Peak*	2,193 MW
Day Peak	1,961 MW
Minimum Demand	1,130 MW

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

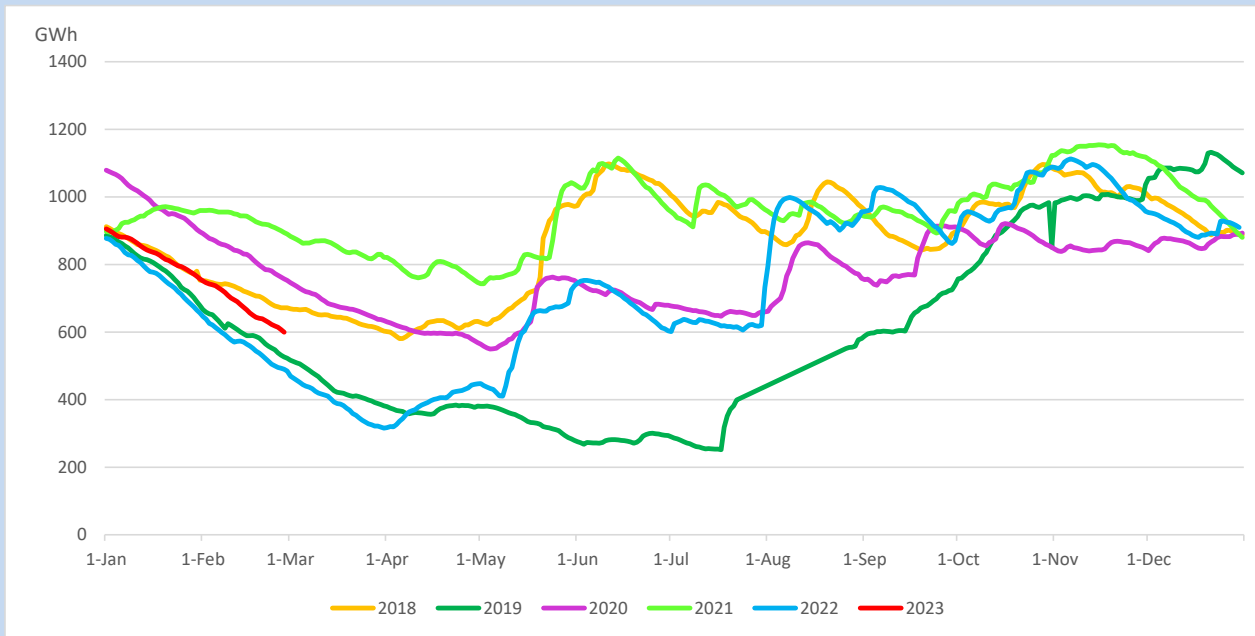
Reservoir Levels -

as at 06.00 Hr on February 28, 2023

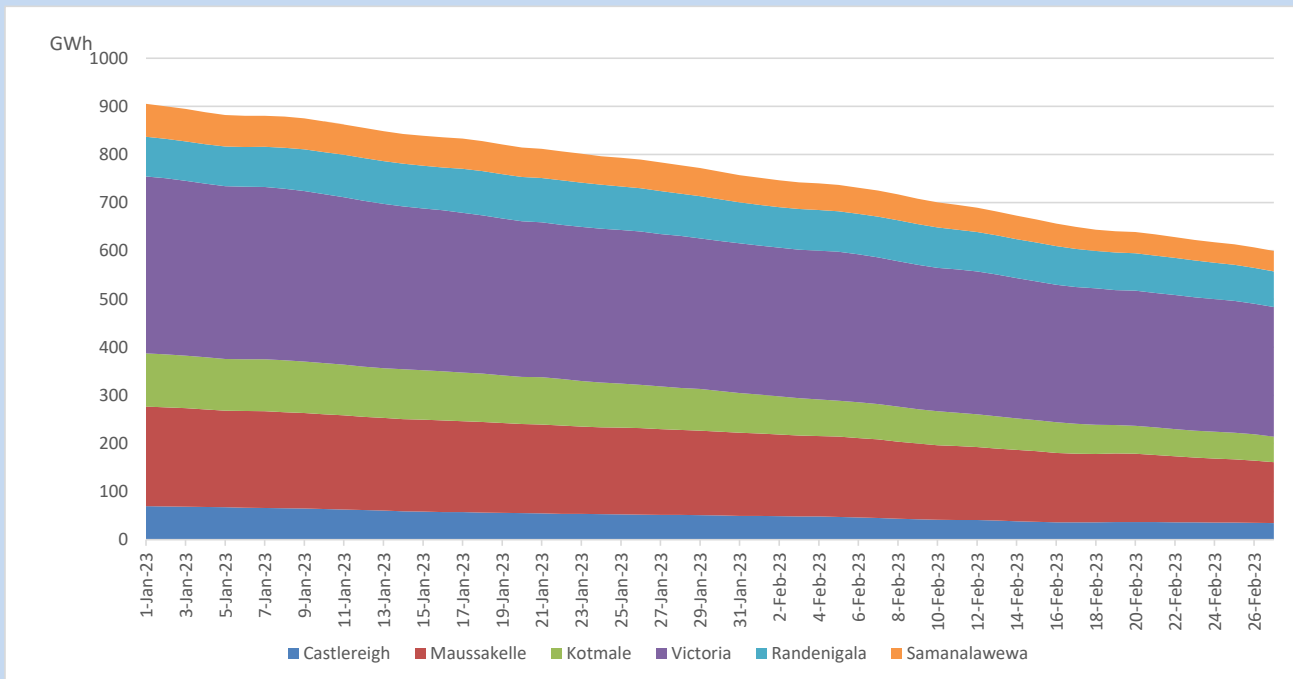


Total Reservoir Level	599.5 GWh
% of Total capacity	49.7%

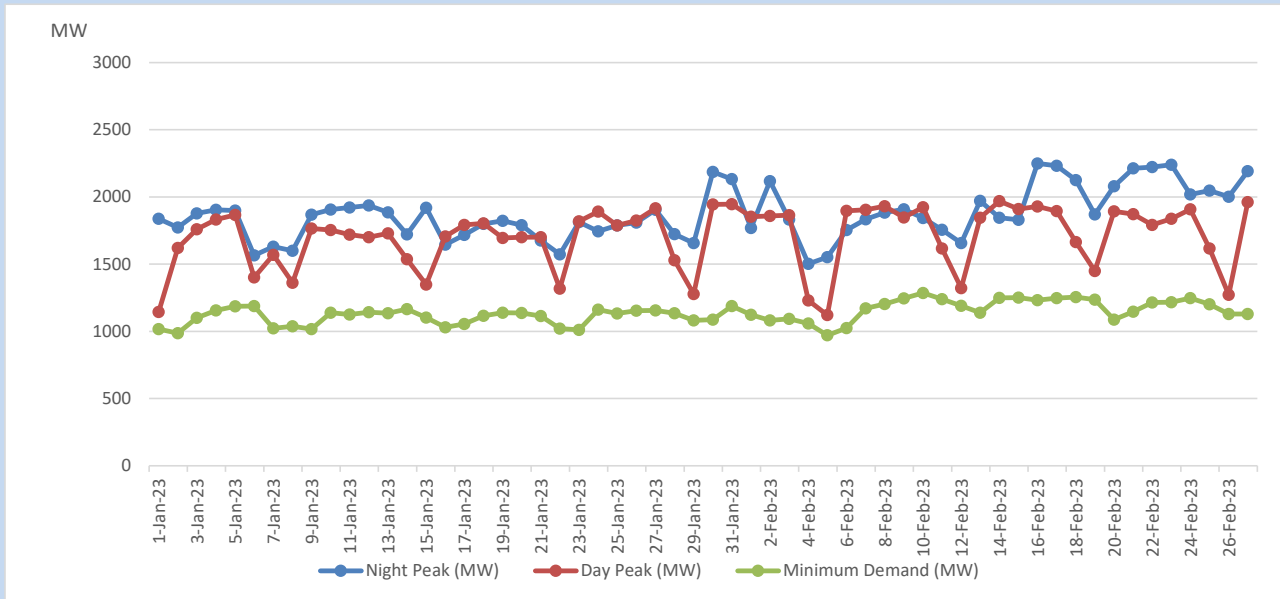
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

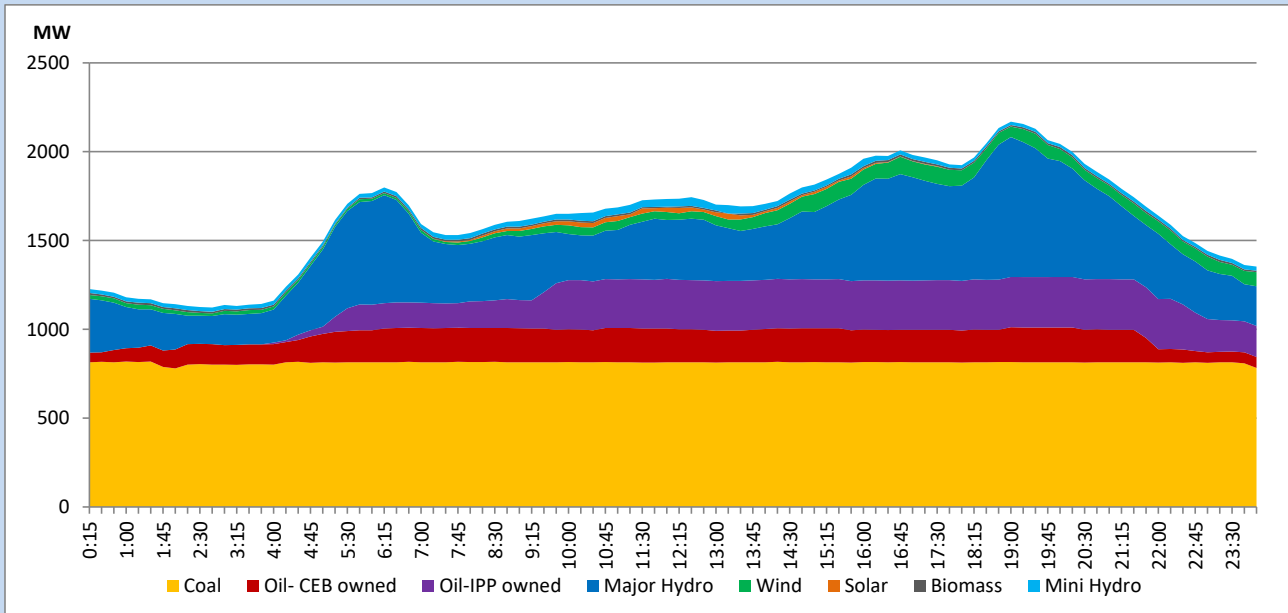


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

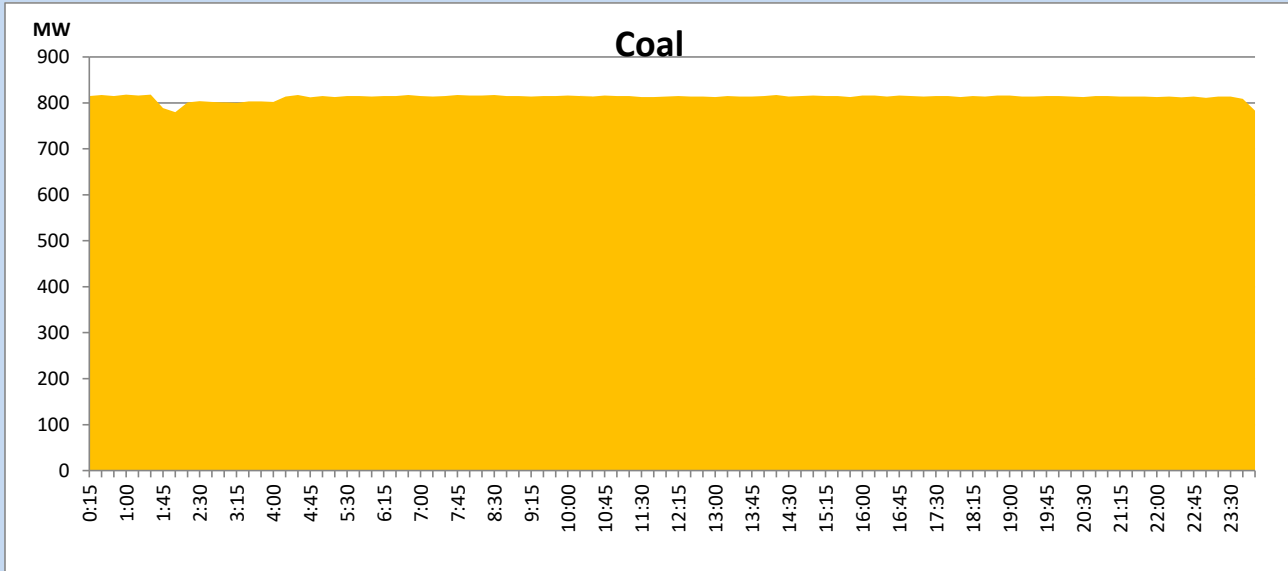
February 27, 2023

Solar and wind data is based on Telemetered Power Stations only



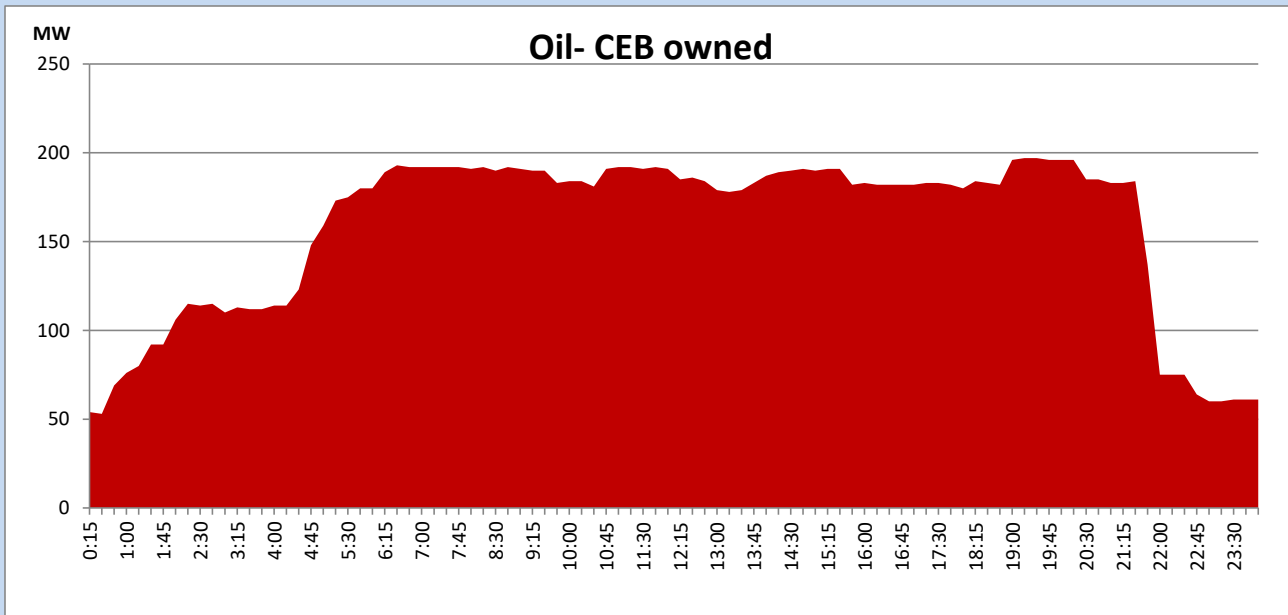
Coal Generation during

February 27, 2023



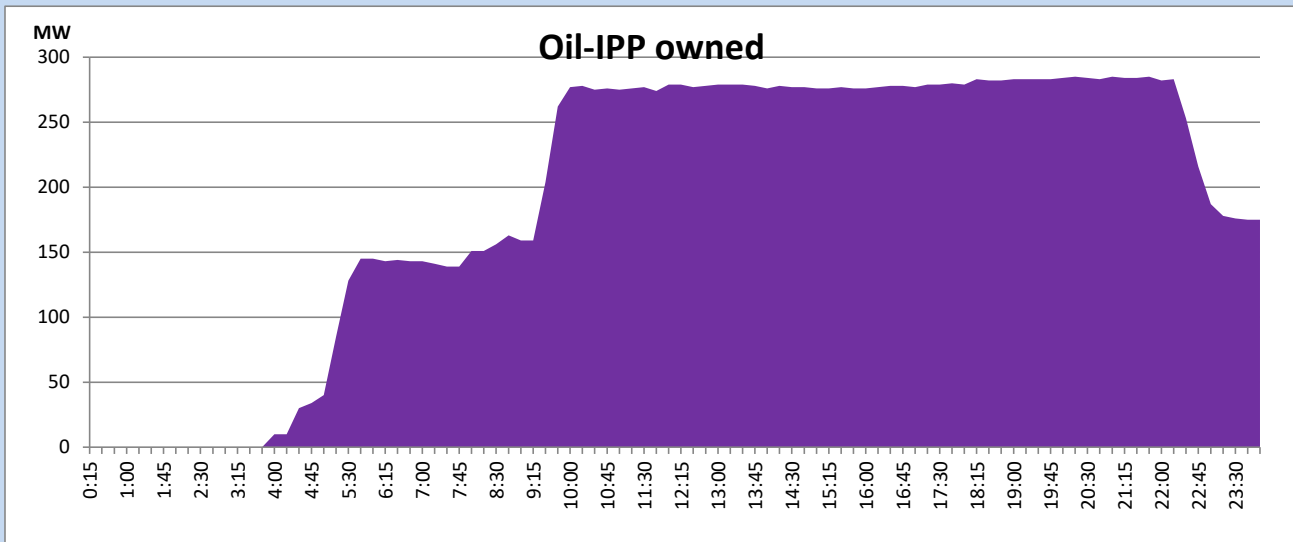
CEB Oil Plant Generation during

February 27, 2023



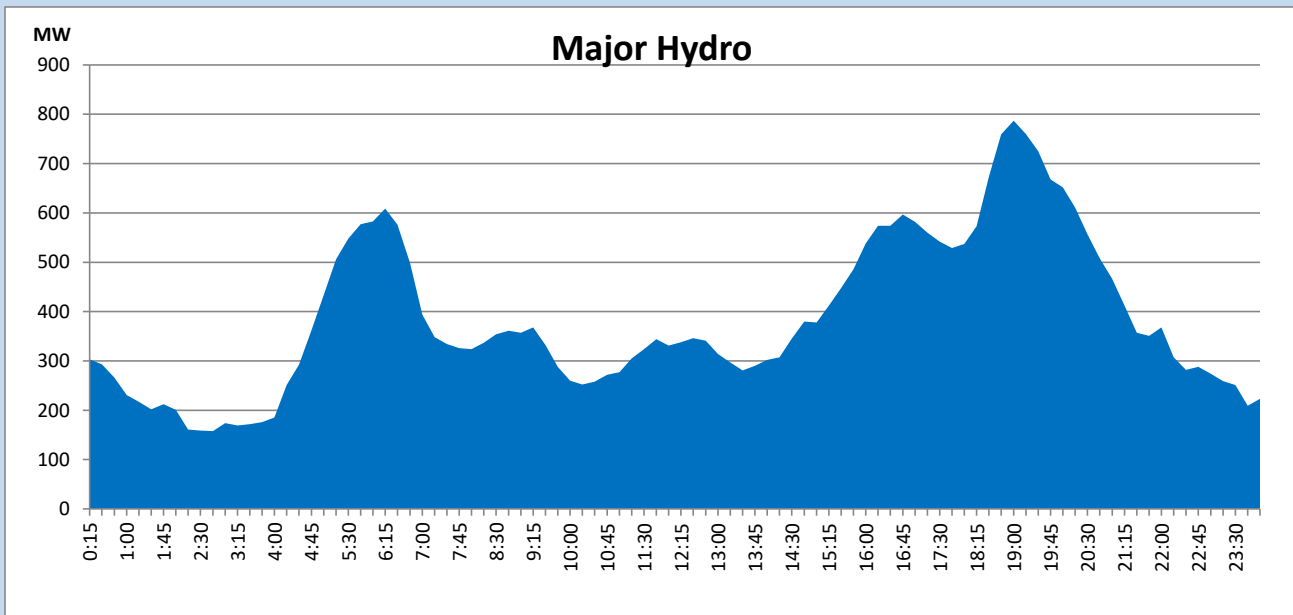
IPP Oil Plant Generation during

February 27, 2023



Major Hydro Generation during

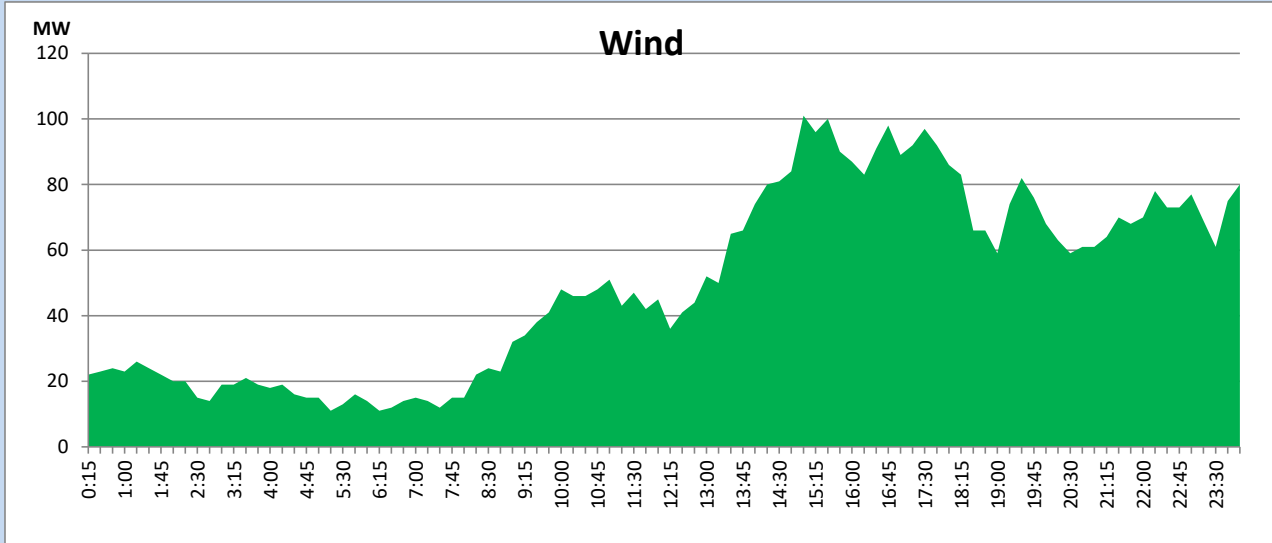
February 27, 2023



Wind Generation during

February 27, 2023

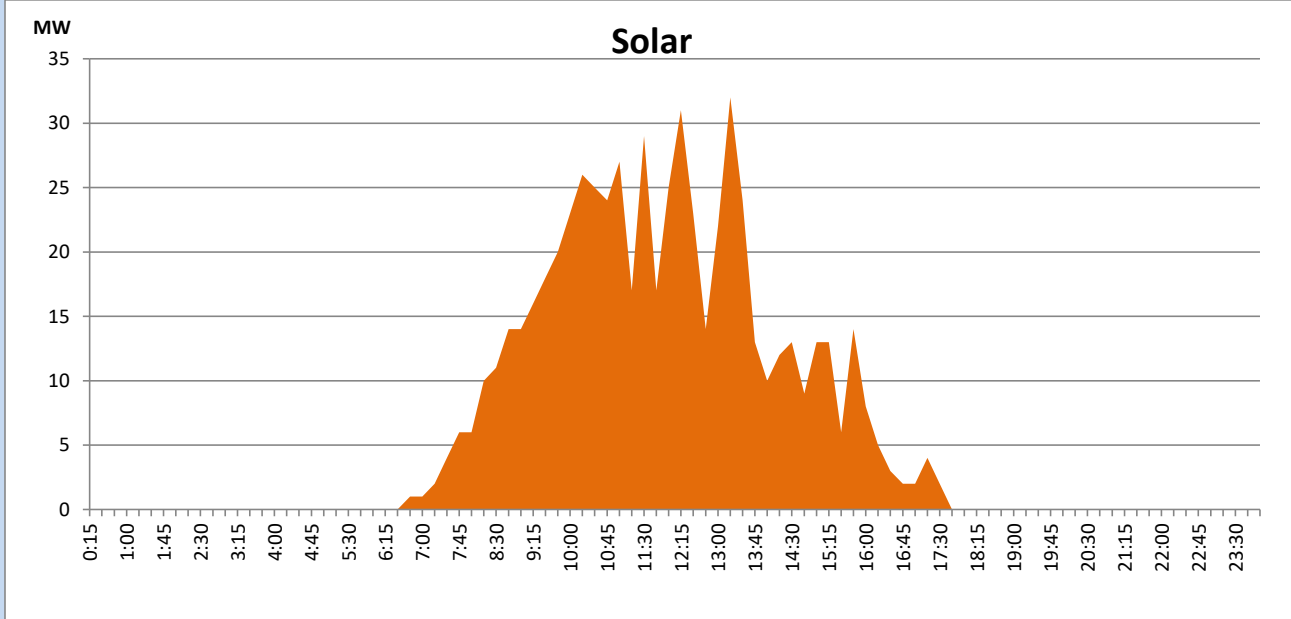
Based on Telemetered Power Stations only



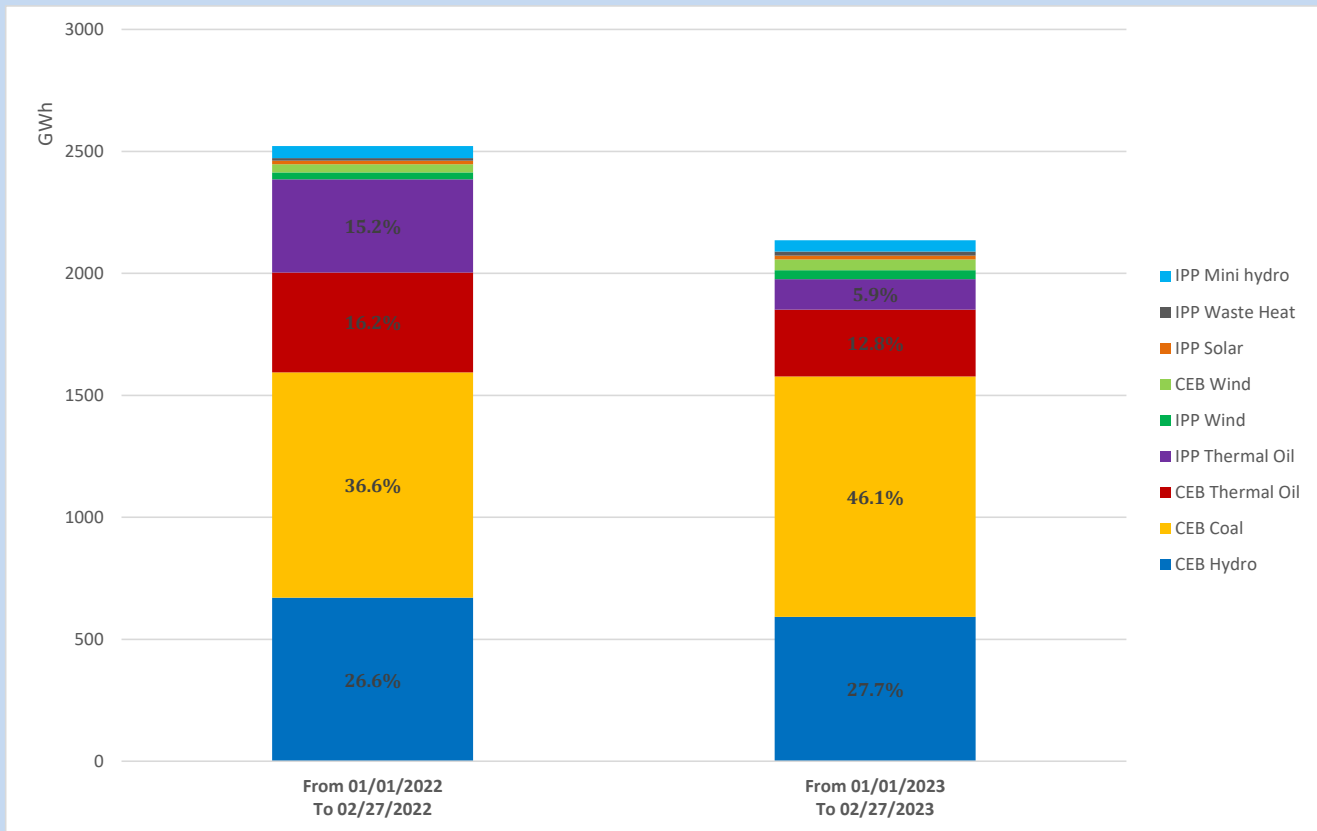
Solar Generation during

February 27, 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 27, 2023

- 1). Old Laxapana - Wimalasurendra GSS 132 kV cct 01 could not be switched on due to a VT failure at Wimalasurendra GSS after the planned RM. The cct is yet to be restored.
- 2). Matara 132/33 kV T/F 02 switched off from 33 kV side at 18:20 hrs due to a hot spot. The T/F is yet to be energized.
- 3). New Anu - Trinco 132 kV cct tripped from both ends at 20:26 hrs due to the operation of distance protection. The cct was restored at 20:54 hrs.
- 4). Kilinochchi - Chunnakam 132 kV cct 01 tripped and A/R from both ends at 02:48 hrs (28.02.2023) due to the operation of distance protection.