

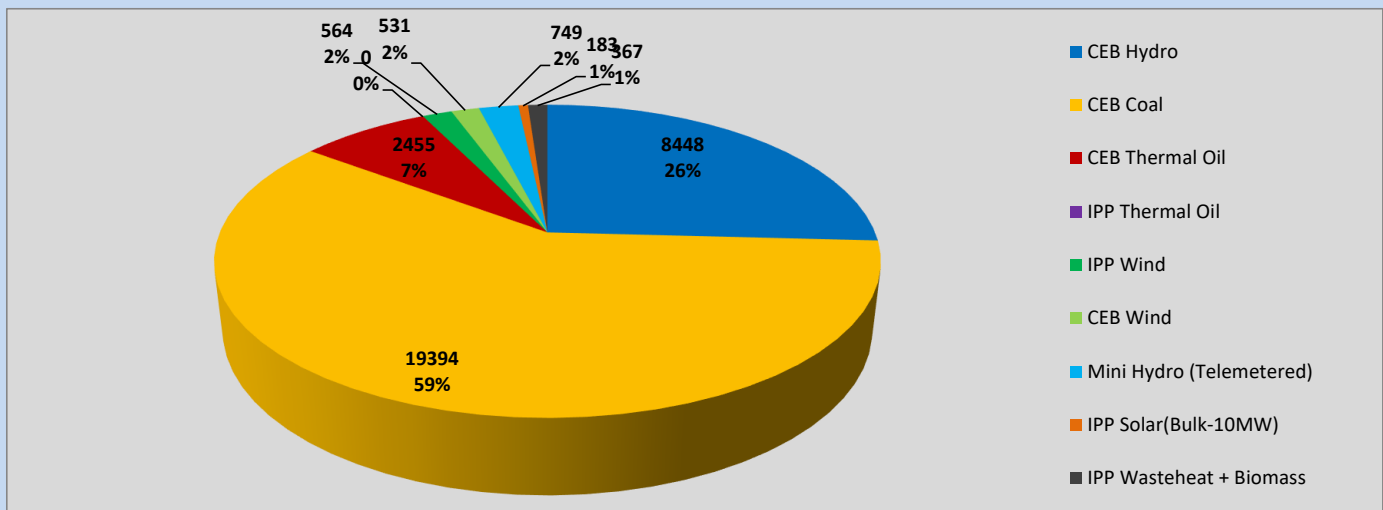
Generation and Reservoirs Statistics

February 12, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

32,691 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 1.58 GWh
 Estimated Mini Hydro (Non telemetered) = 1130 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

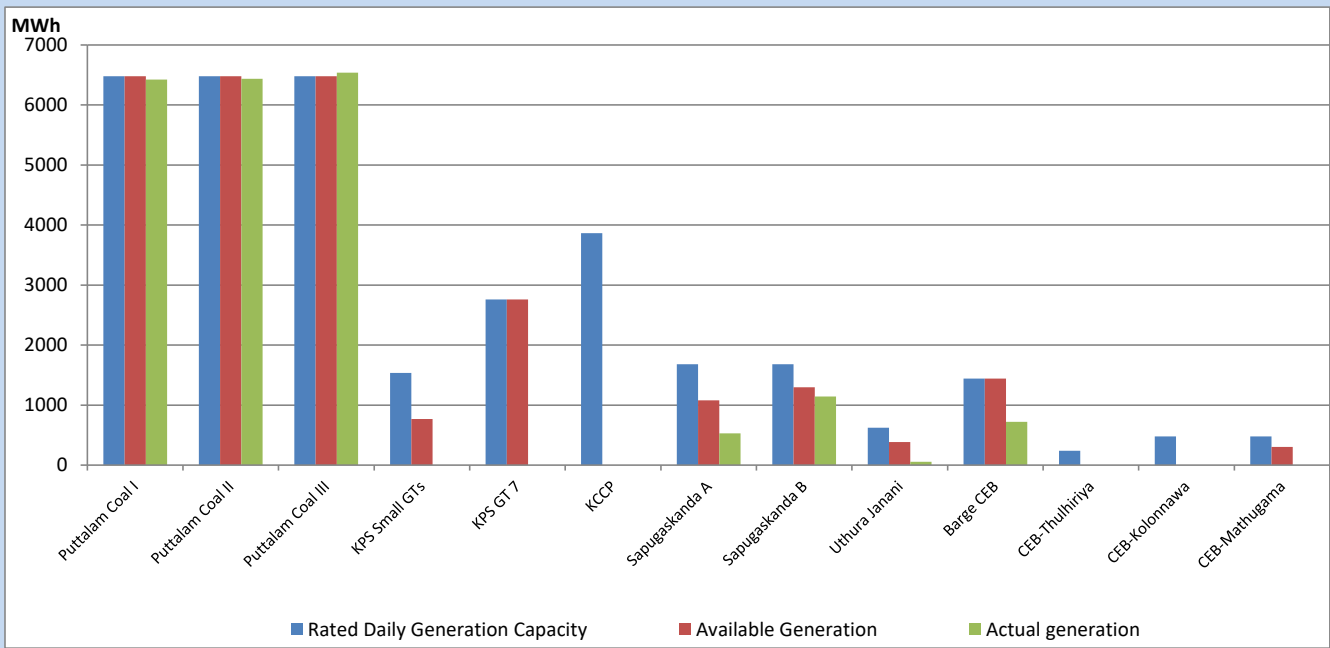
Category	Dispatch (GWh)	Percentage
CEB Hydro	125	28.49%
CEB Coal	227	51.81%
CEB Thermal Oil	48	10.96%
IPP Thermal	8	1.77%
SPP Wind	7	1.55%
CEB Wind	9	2.04%
Mini Hydro (Telemetered)	8	1.78%
IPP Solar(Bulk-10MW)	3	0.72%
IPP Wasteheat + BMP	4	0.87%
Total	439	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	455	29.29%
CEB Coal	694	44.70%
CEB Thermal Oil	221	14.22%
IPP Thermal	64	4.09%
SPP Wind	28	1.79%
CEB Wind	34	2.20%
Mini Hydro (Telemetered)	35	2.25%
IPP Solar(Bulk-10MW)	12	0.74%
IPP Wasteheat	11	0.73%
Total	1,554	

CEB owned Thermal Plant Dispatch

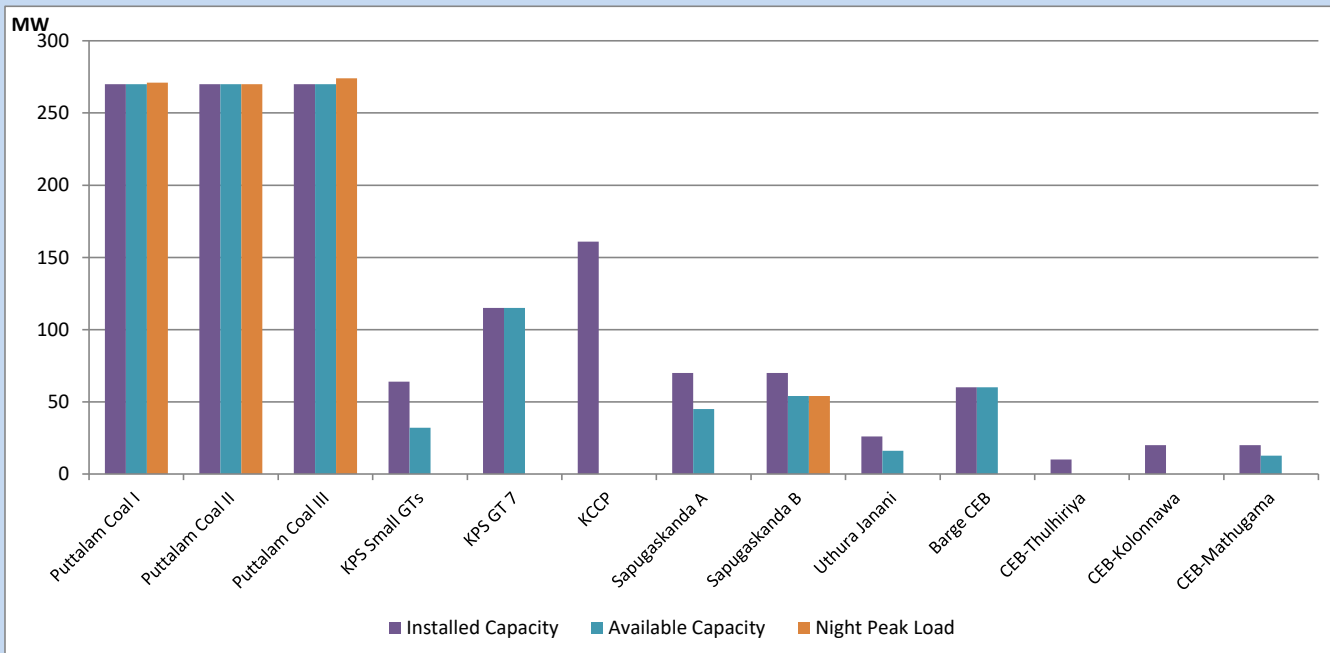
February 12, 2023



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

February 13, 2023

CEB owned Thermal Plant Loading at the Night Peak

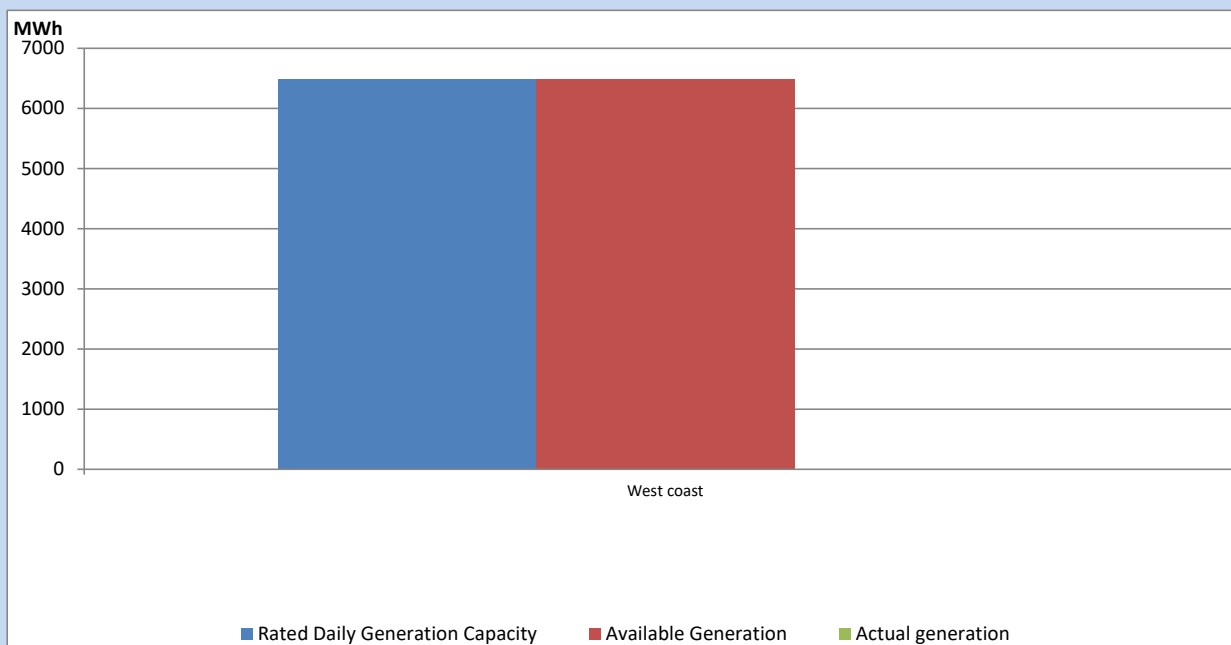


Note- Plant availability is recorded at 6.00 am on

February 13, 2023

IPP owned Thermal Plant Dispatch

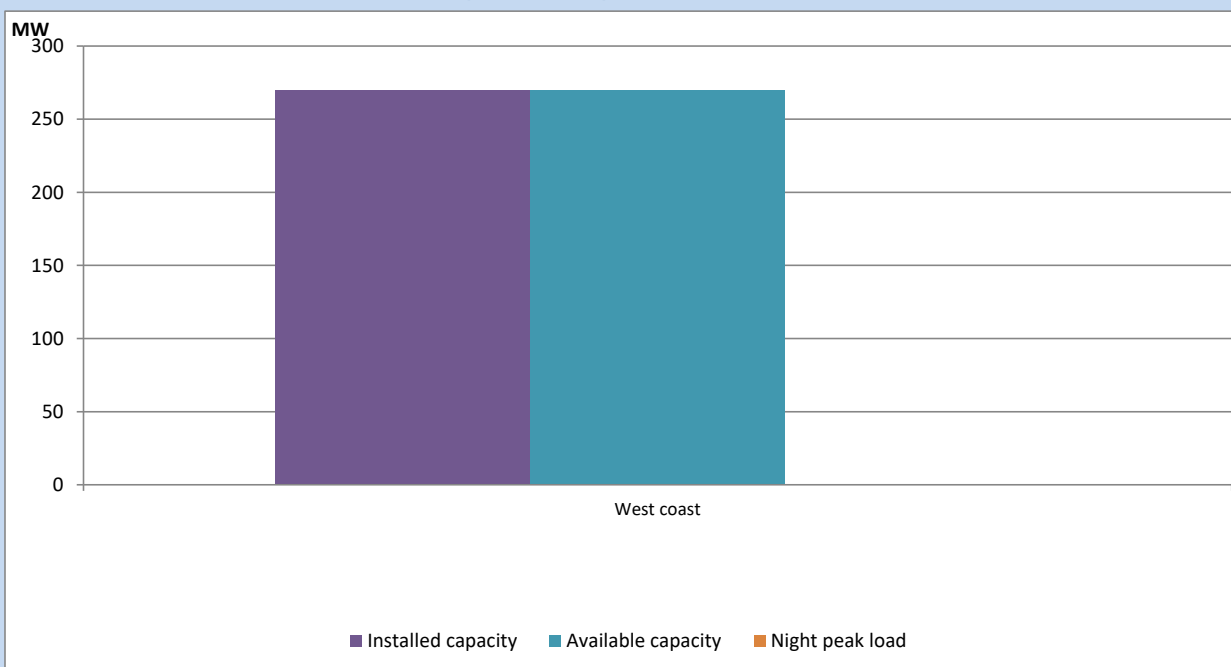
February 12, 2023



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

February 13, 2023

IPP owned Thermal Plant Loading at the Night Peak

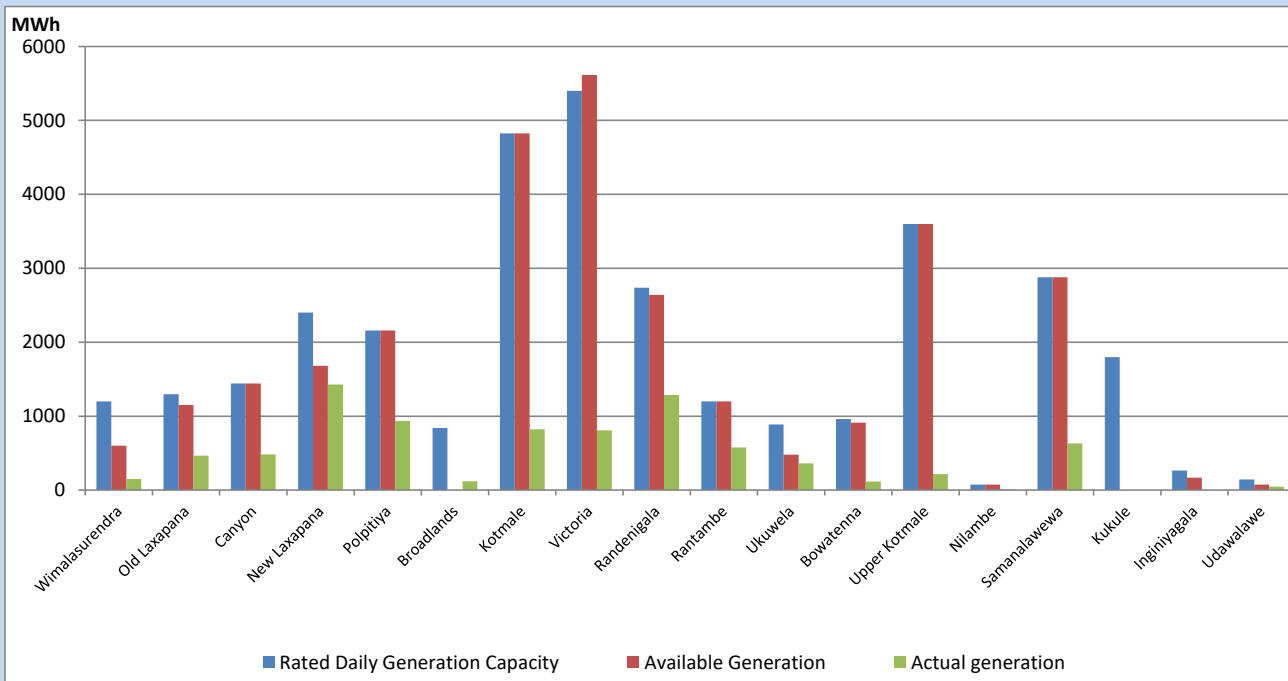


Note- Plant availability is recorded at 6.00 am on

February 13, 2023

Major Hydro Plant Dispatch

February 12, 2023

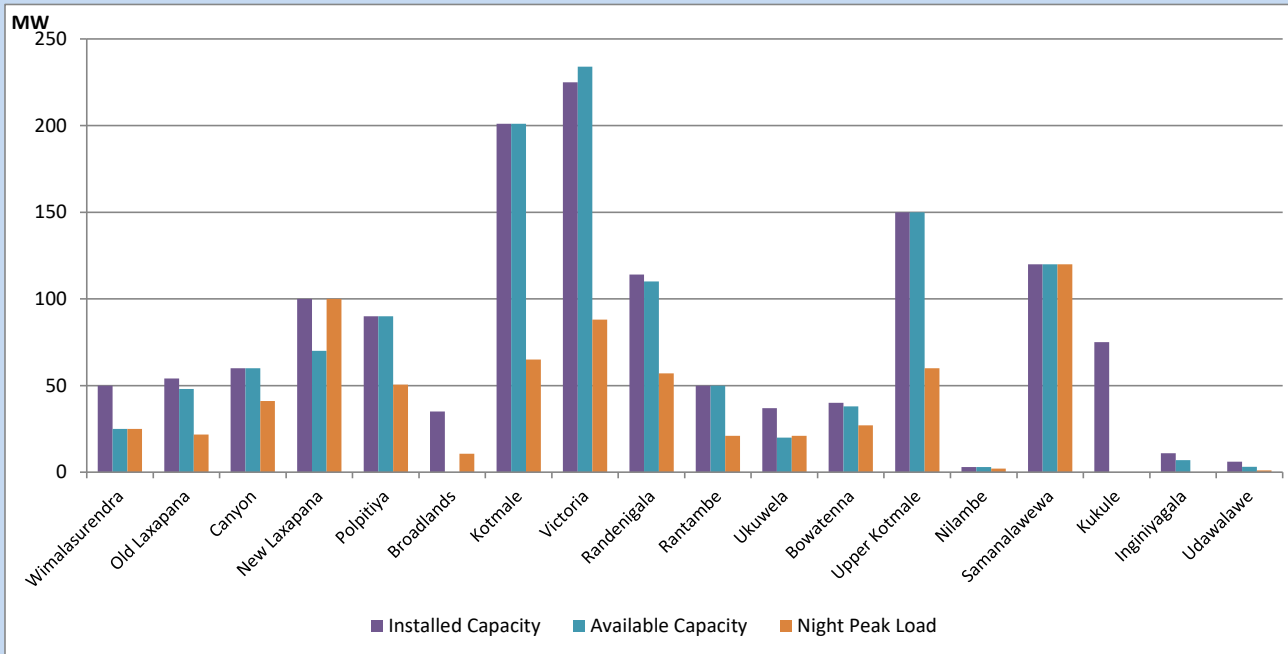


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 13, 2023

Major Hydro Plant Loading at Night Peak

February 12, 2023



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

February 13, 2023

Summary of Major Plant performance

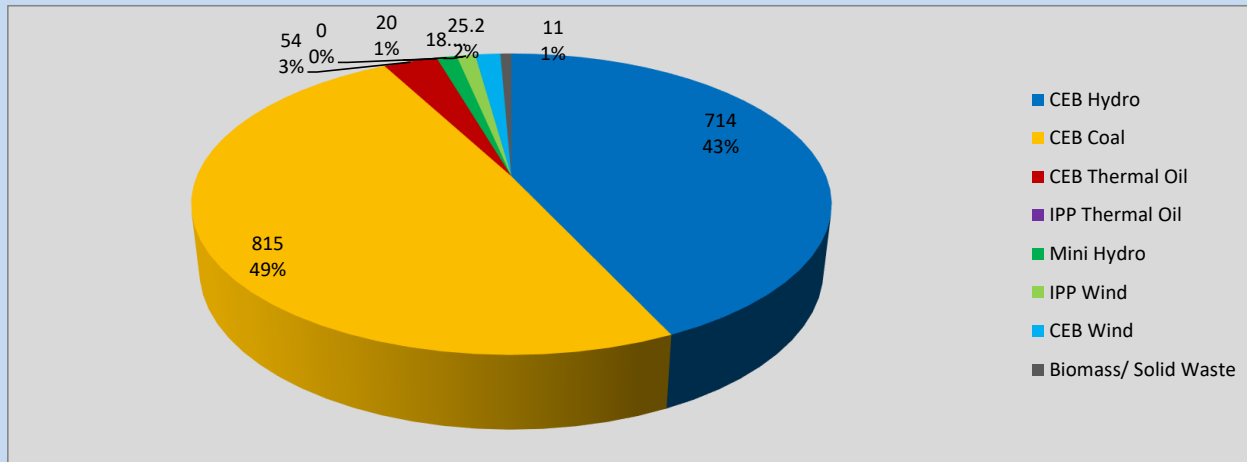
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	25	149
Old Laxapana	54	48	22	464
Canyon	60	60	41	481
New Laxapana	100	70	100	1,427
Polpitiya	90	90	51	937
Broadlands	35	0	11	118
Kotmale	201	201	65	820
Victoria	225	234	88	807
Randenigala	114	110	57	1,285
Rantambe	50	50	21	577
Ukuwela	37	20	21	360
Bowatenna	40	38	27	117
Upper Kotmale	150	150	60	217
Nilambe	3	3	2	12
Samanalawewa	120	120	120	630
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	47
Puttalam Coal I	270	270	271	6,422
Puttalam Coal II	270	270	270	6,435
Puttalam Coal III	270	270	274	6,537
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	0	531
Sapugaskanda B	70	54	54	1,144
Uthura Janani	26	16	0	57
Barge CEB	60	60	0	723
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	0	0
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,644	1,655	32,691

Plant availability is the availability recorded at 6 am on

February 13, 2023

Contribution to the Night Peak in MW

February 12, 2023

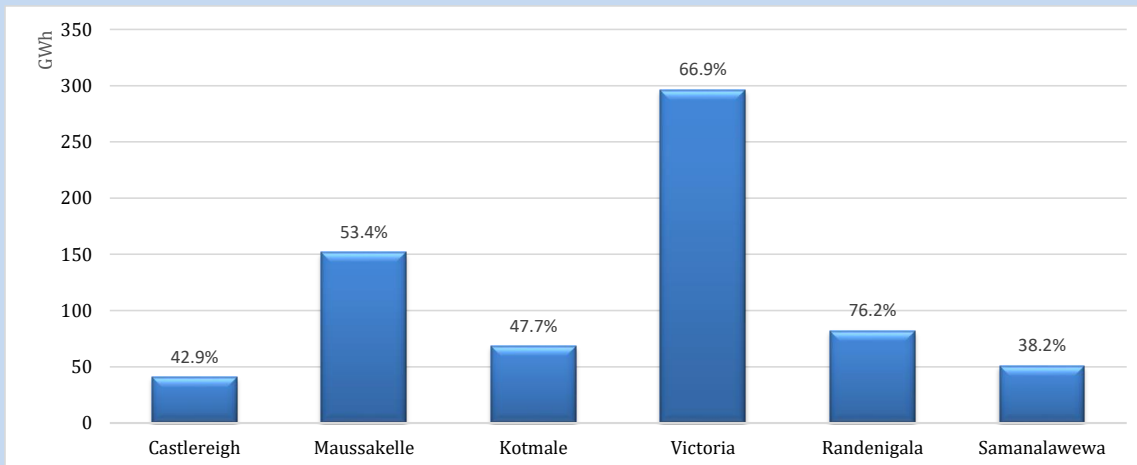


Night Peak*	1,657.9 MW
Day Peak	1,321.0 MW
Minimum Demand	1,191.0 MW

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

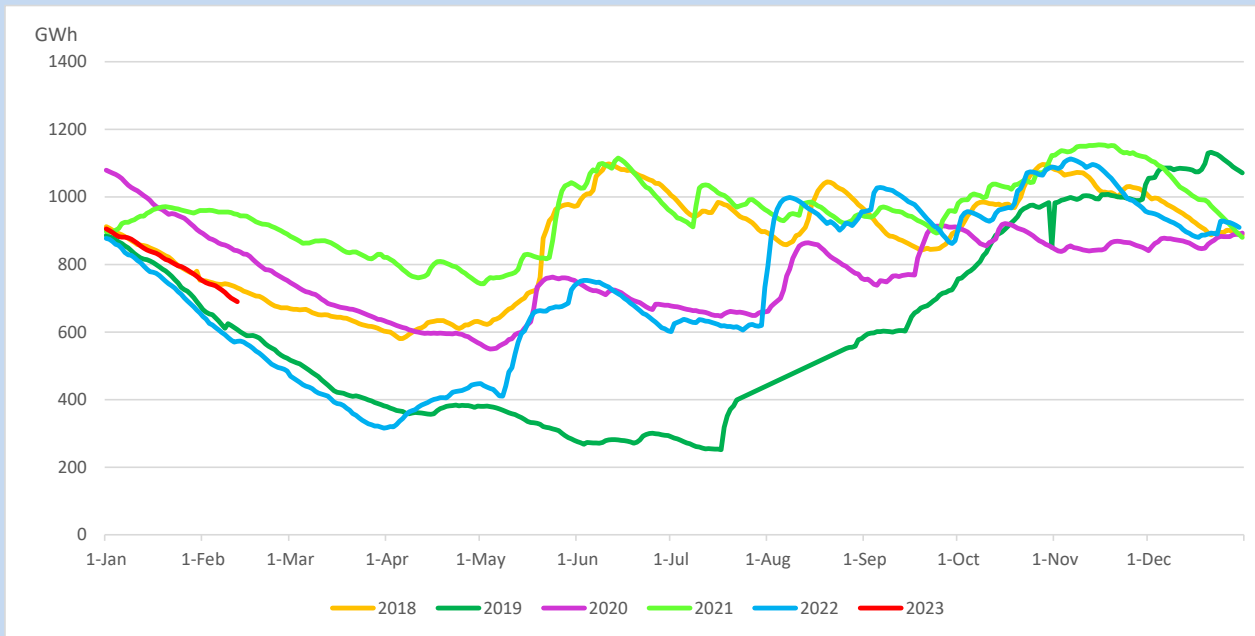
Reservoir Levels -

as at 06.00 Hr on February 13, 2023

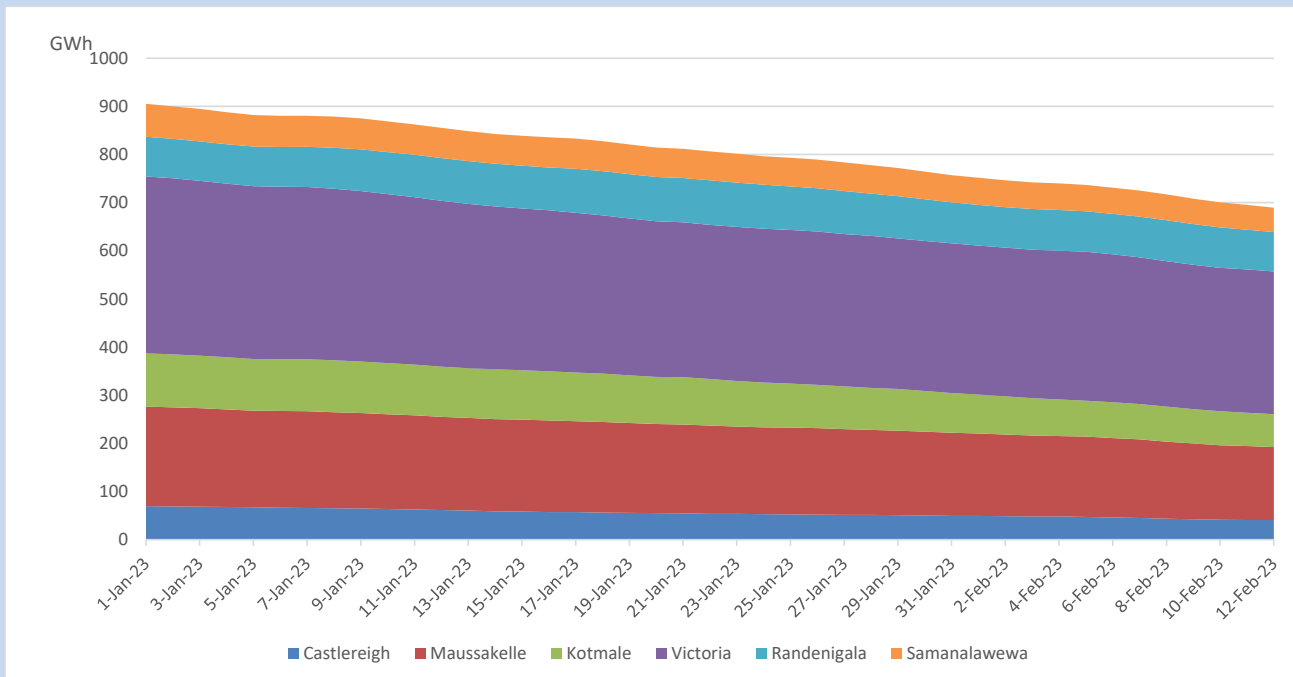


Total Reservoir Level	689.8 GWh
% of Total capacity	57.2%

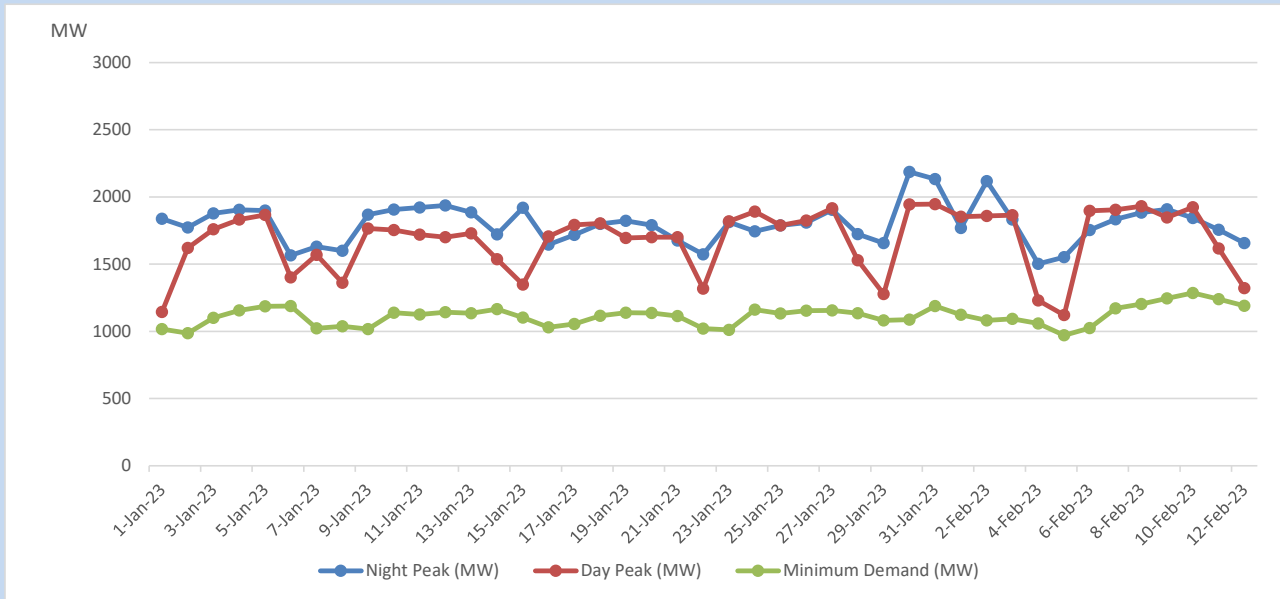
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

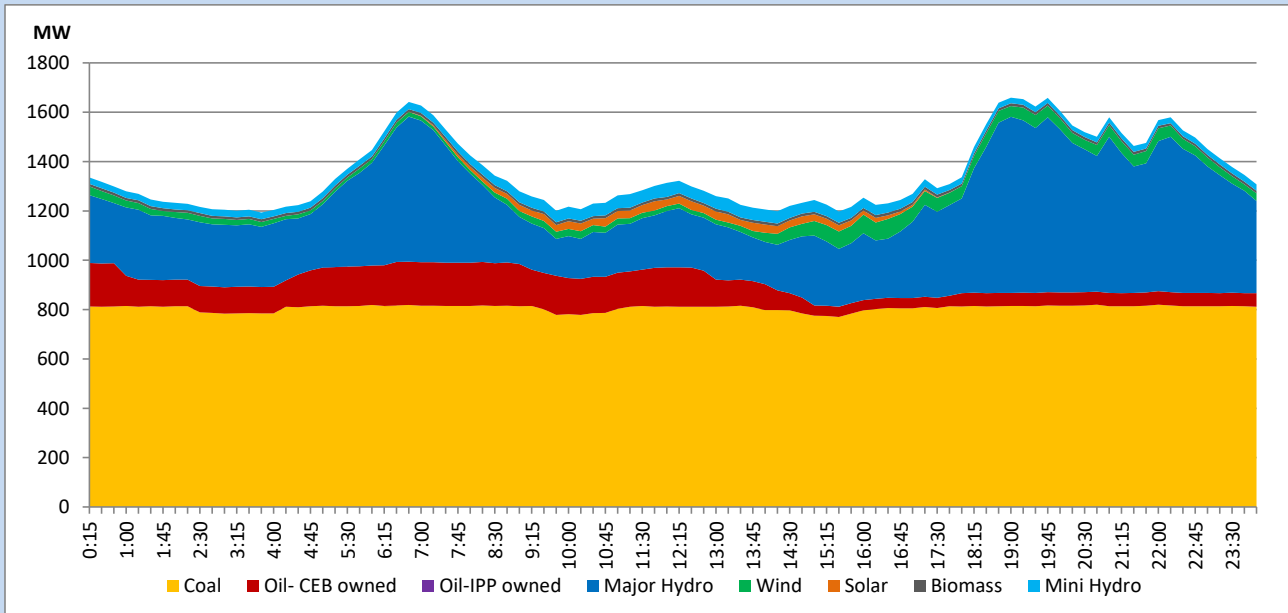


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

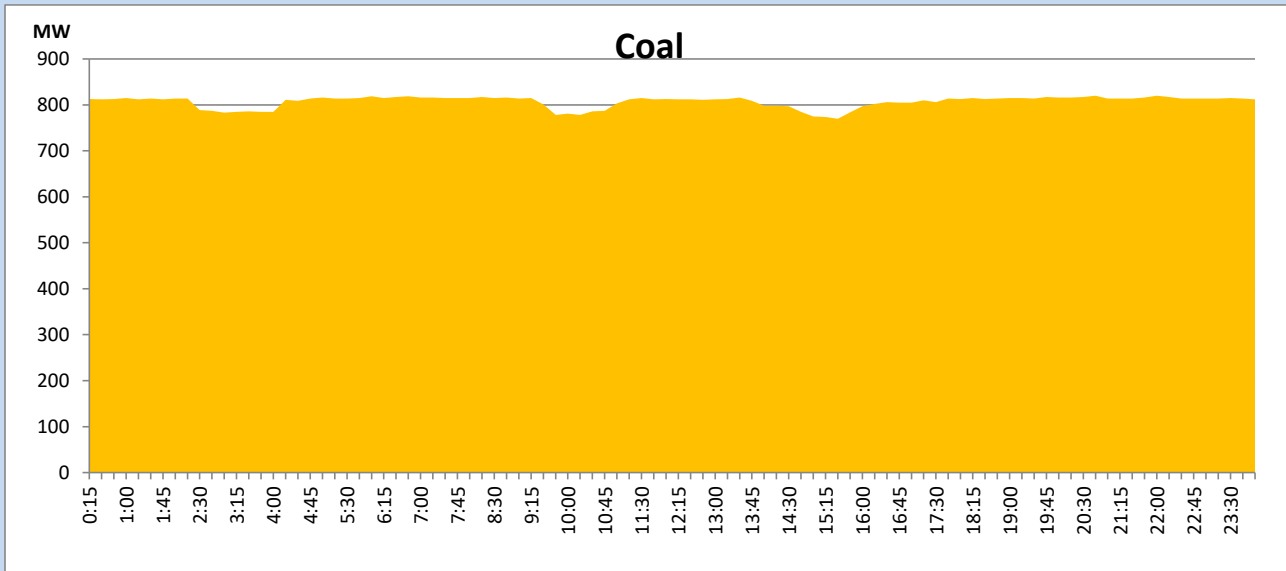
February 12, 2023

Solar and wind data is based on Telemetered Power Stations only



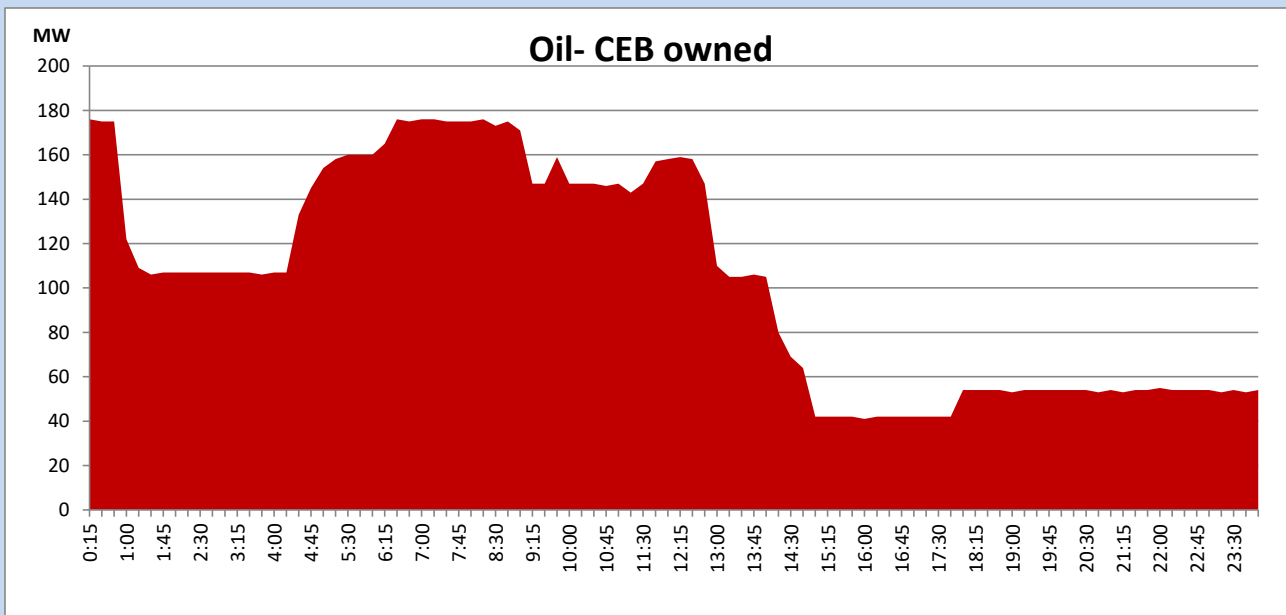
Coal Generation during

February 12, 2023



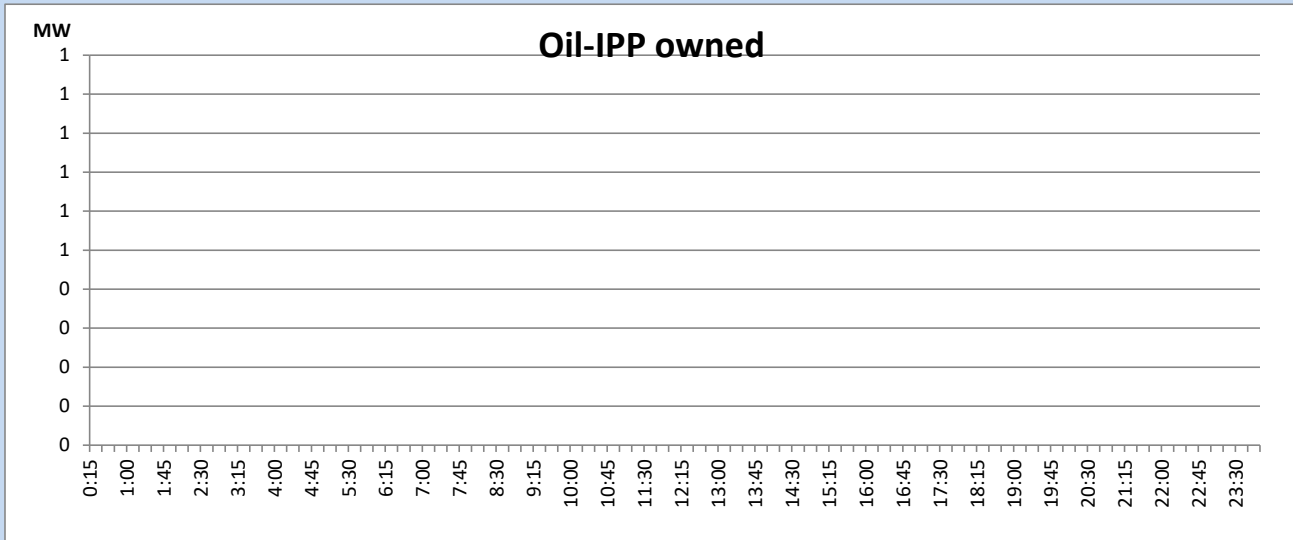
CEB Oil Plant Generation during

February 12, 2023



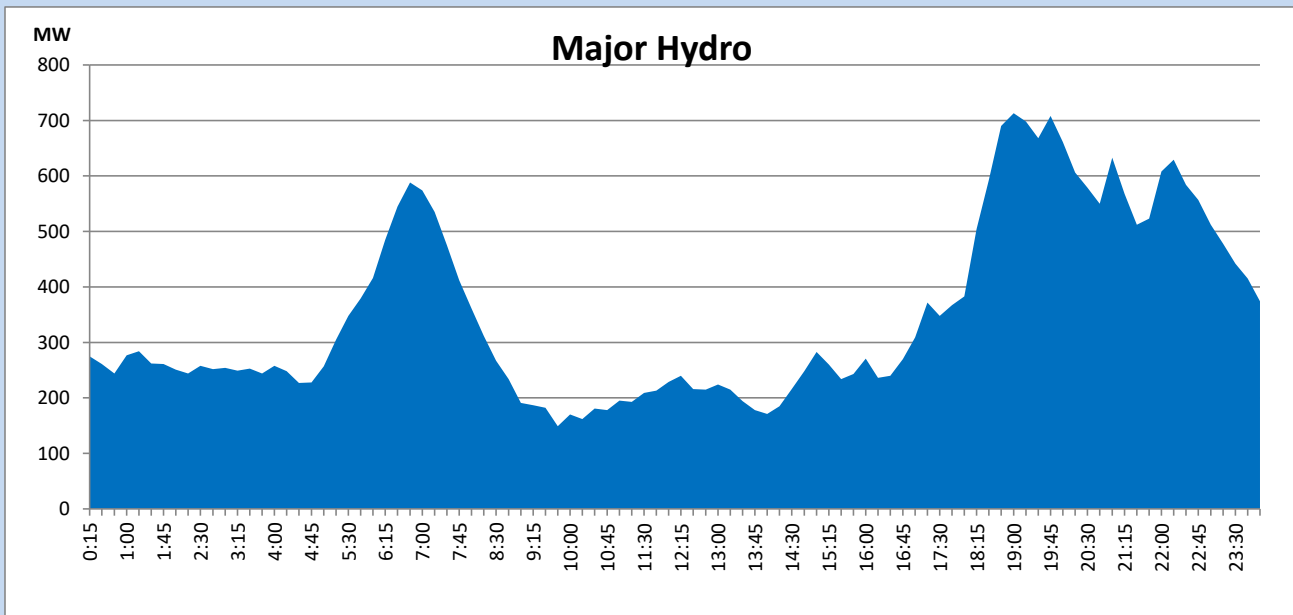
IPP Oil Plant Generation during

February 12, 2023



Major Hydro Generation during

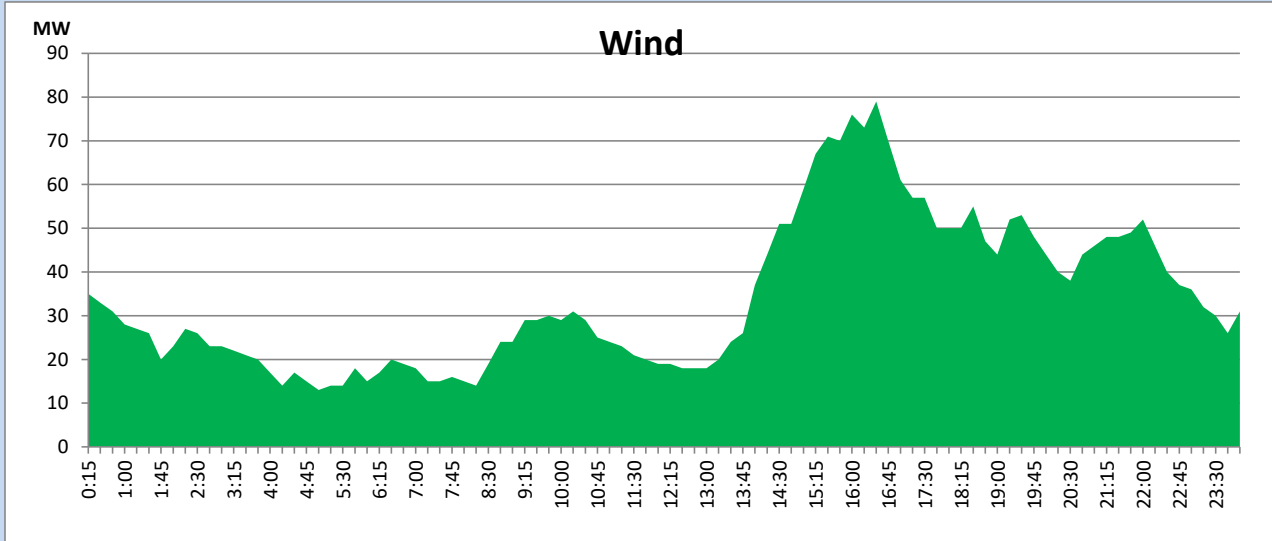
February 12, 2023



Wind Generation during

February 12, 2023

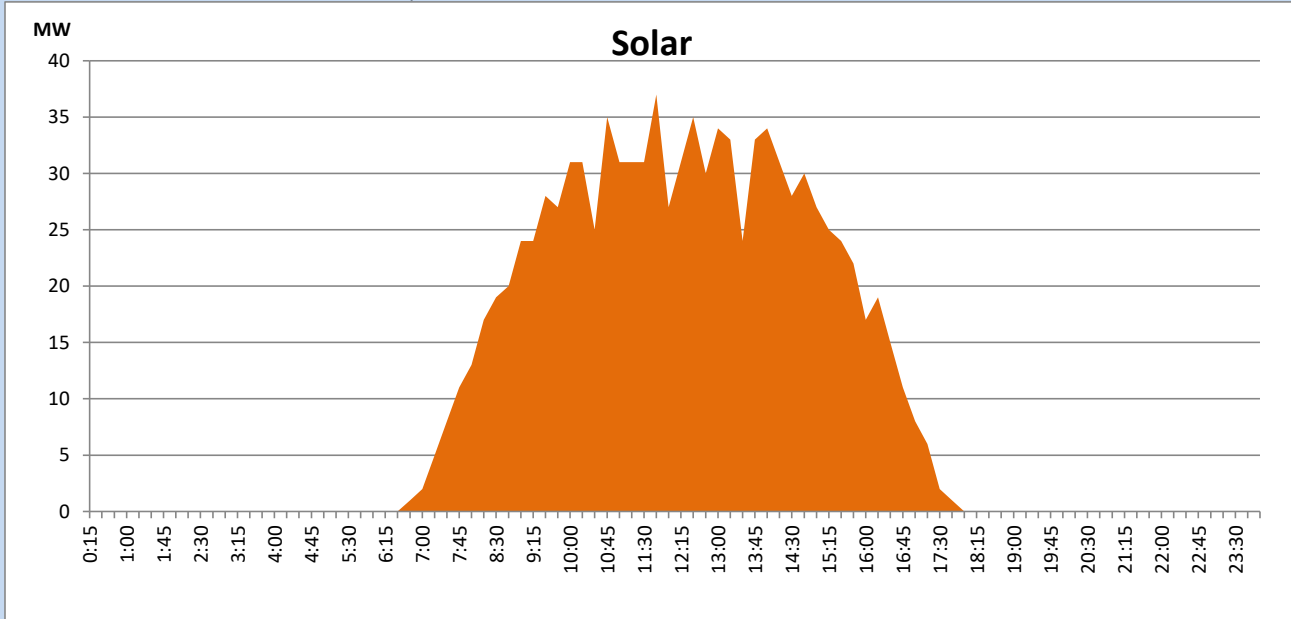
Based on Telemetered Power Stations only



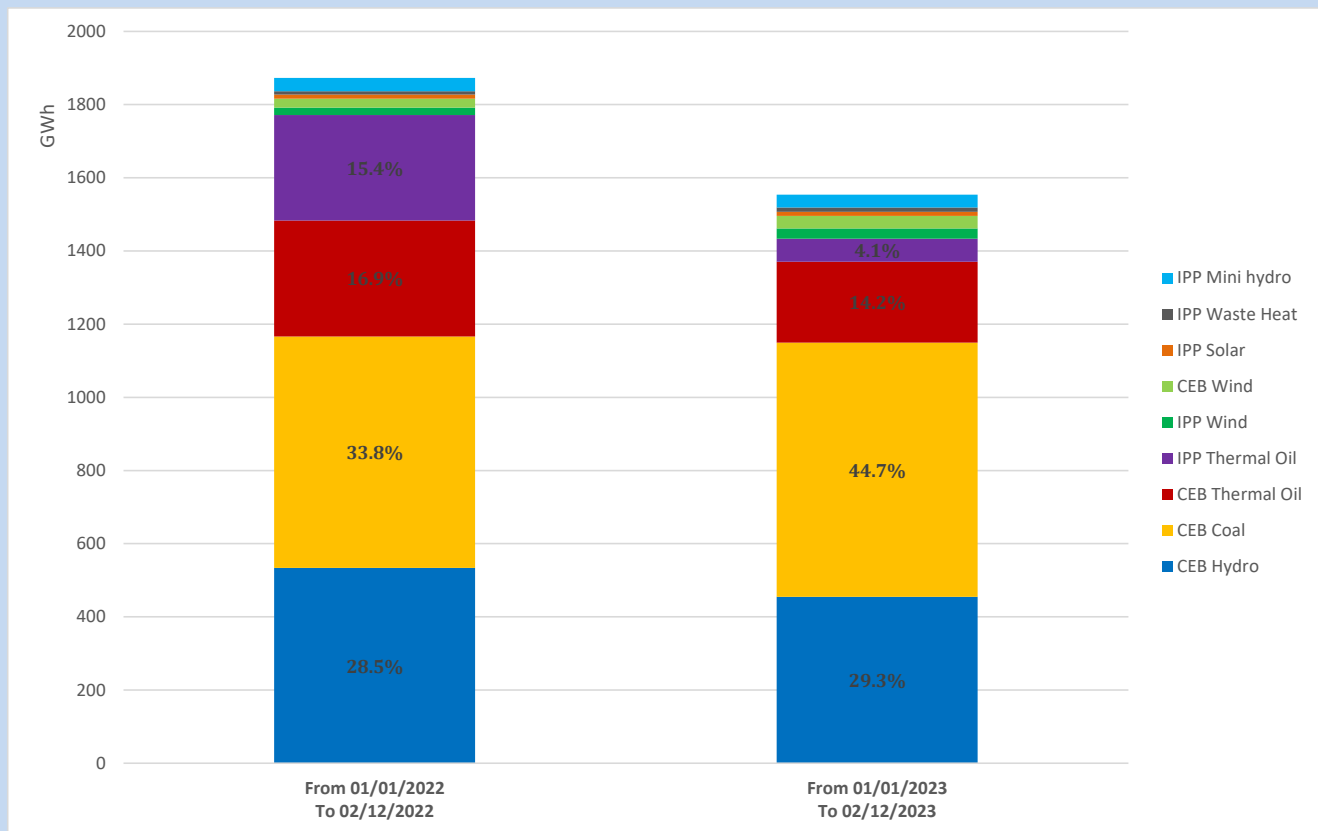
Solar Generation during

February 12, 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 12, 2023

- 1) Rotational manual load shedding was carried out from 15:00hrs to 22:00hrs.
- 2) New laxapana unit 02 tripped at 00:55hrs rejecting 30MW from the system due to upper guide bearing radial vibrations. Unit 02 resumed generation at 2:25hrs.
- 3) LVPS 01 run backed to 120MW (Net) rejecting 150MW from the system at 2:30hrs due to BFP failure . LVPS 01 reached 270MW (Net) by 05:31hrs.