

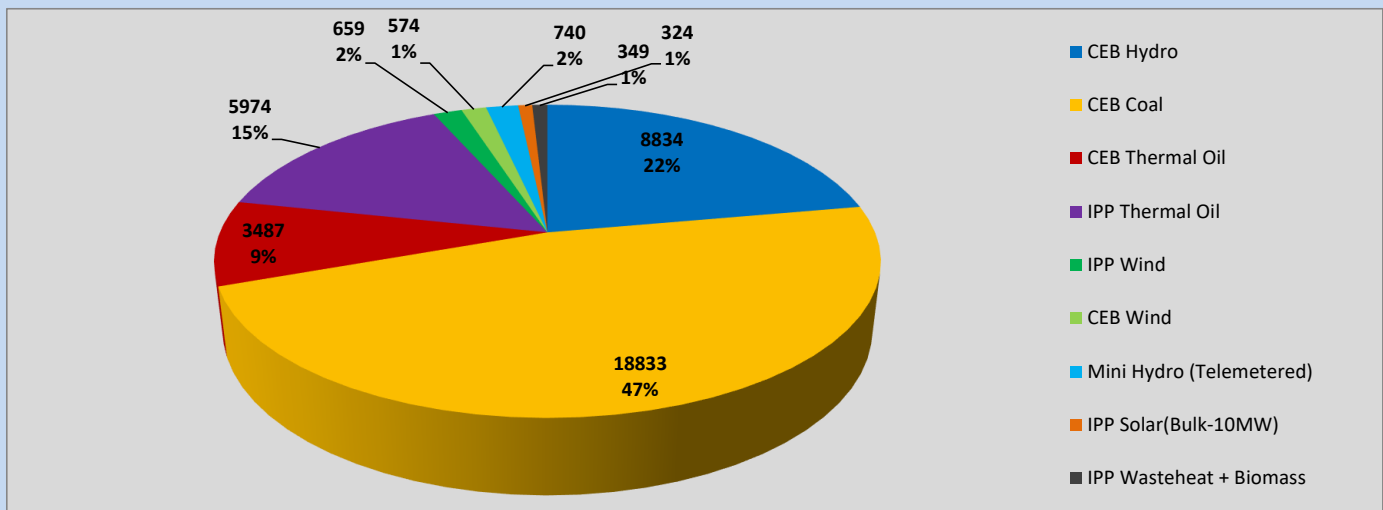
Generation and Reservoirs Statistics

February 21, 2023



PUBLIC UTILITIES COMMISSION OF SRI LANKA

Daily Generation Mix in MWh



Total Generation (Excluding estimated figures) =

39,774 MWh

Estimated figures of CEB generation report

Estimated unserved energy = 0.00 GWh
 Estimated Mini Hydro (Non telemetered) = 1140 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

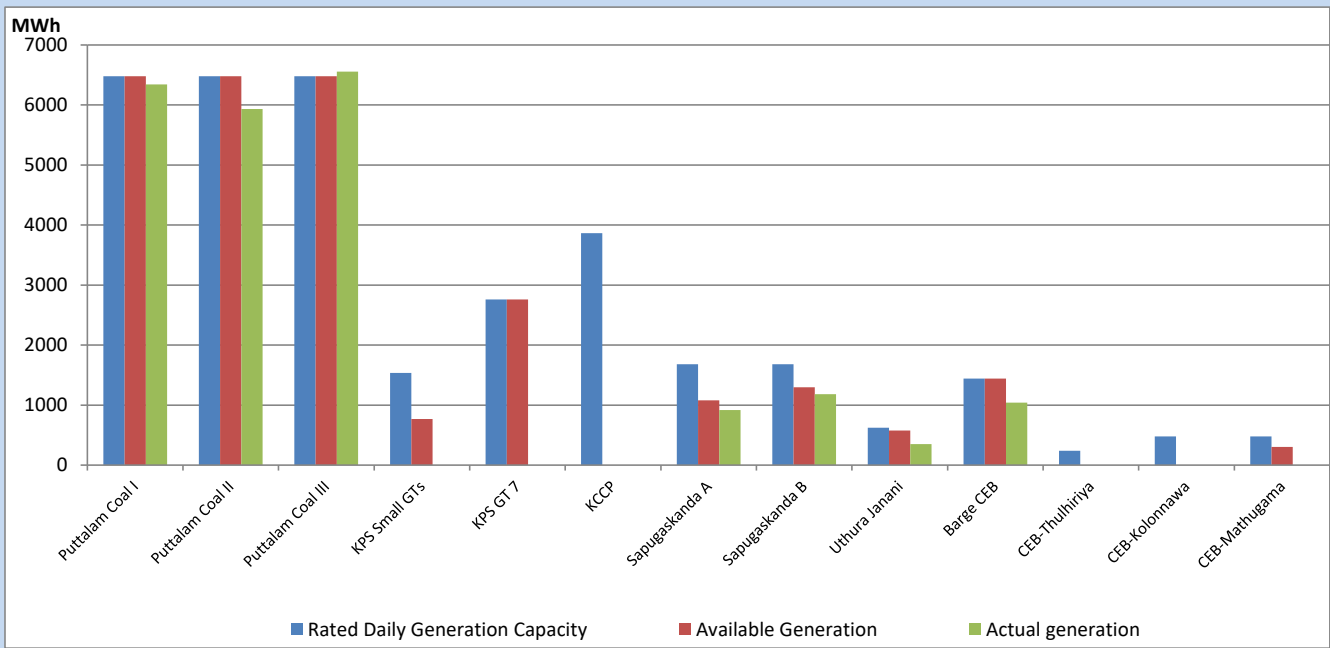
Category	Dispatch (GWh)	Percentage
CEB Hydro	211	26.69%
CEB Coal	402	50.82%
CEB Thermal Oil	81	10.23%
IPP Thermal	43	5.50%
SPP Wind	12	1.49%
CEB Wind	14	1.80%
Mini Hydro (Telemetered)	15	1.84%
IPP Solar (Bulk-10MW)	6	0.75%
IPP Wasteheat + BMP	7	0.87%
Total	790	

For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	541	28.39%
CEB Coal	869	45.60%
CEB Thermal Oil	254	13.31%
IPP Thermal	99	5.21%
SPP Wind	33	1.72%
CEB Wind	39	2.07%
Mini Hydro (Telemetered)	42	2.19%
IPP Solar (Bulk-10MW)	14	0.75%
IPP Wasteheat	14	0.76%
Total	1,905	

CEB owned Thermal Plant Dispatch

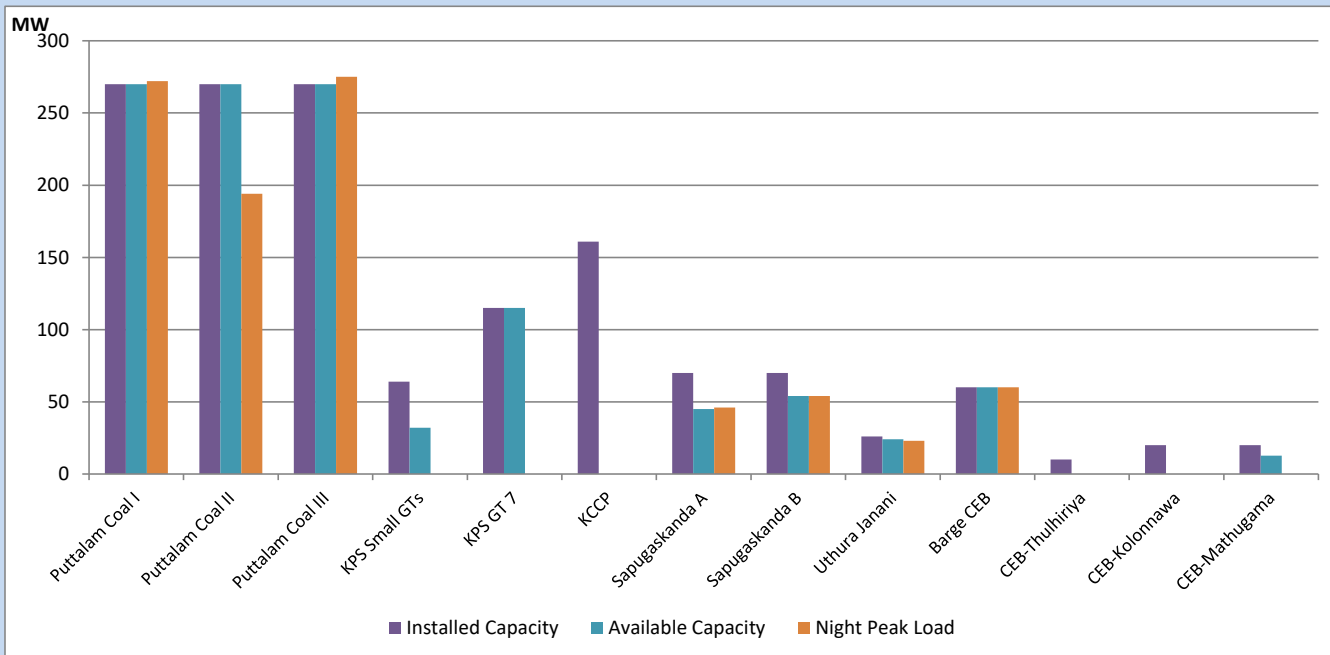
February 21, 2023



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

February 22, 2023

CEB owned Thermal Plant Loading at the Night Peak

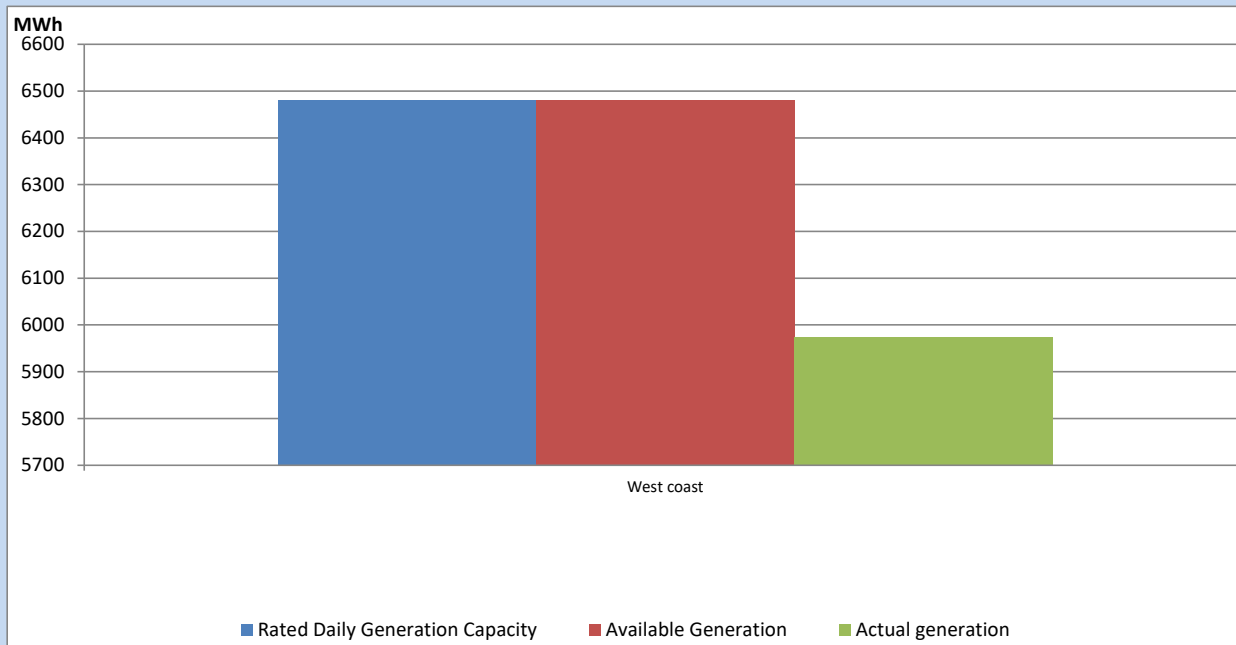


Note- Plant availability is recorded at 6.00 am on

February 22, 2023

IPP owned Thermal Plant Dispatch

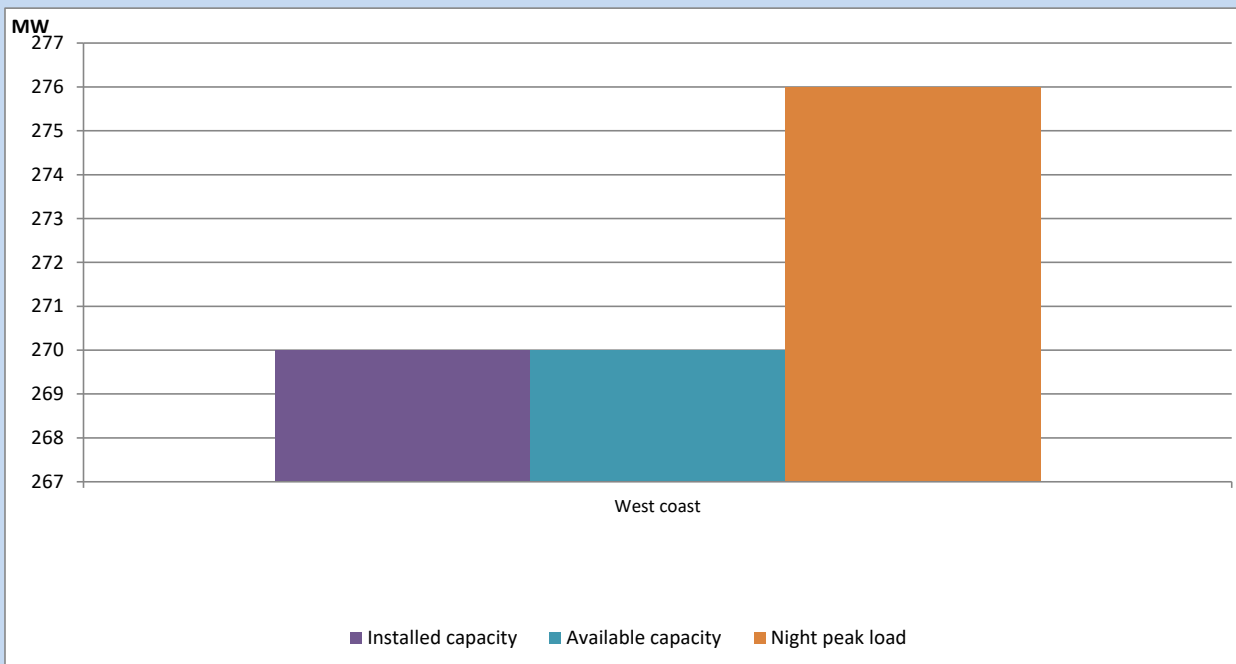
February 21, 2023



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

February 22, 2023

IPP owned Thermal Plant Loading at the Night Peak

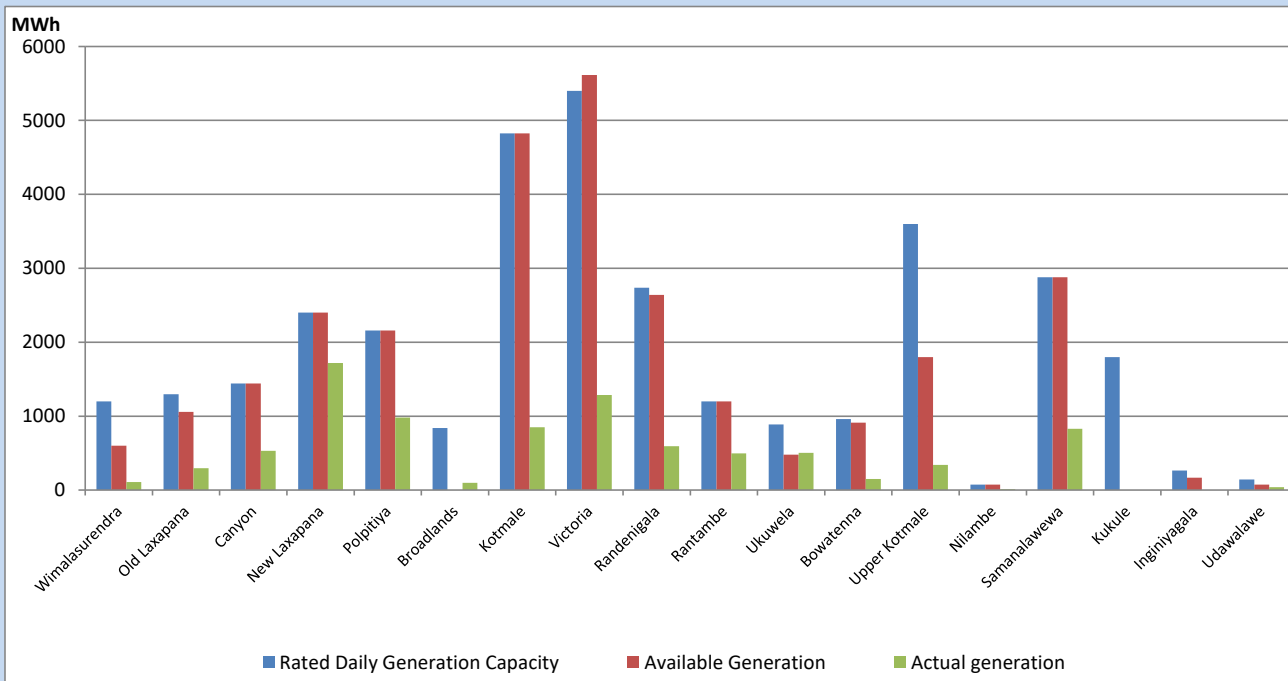


Note- Plant availability is recorded at 6.00 am on

February 22, 2023

Major Hydro Plant Dispatch

February 21, 2023

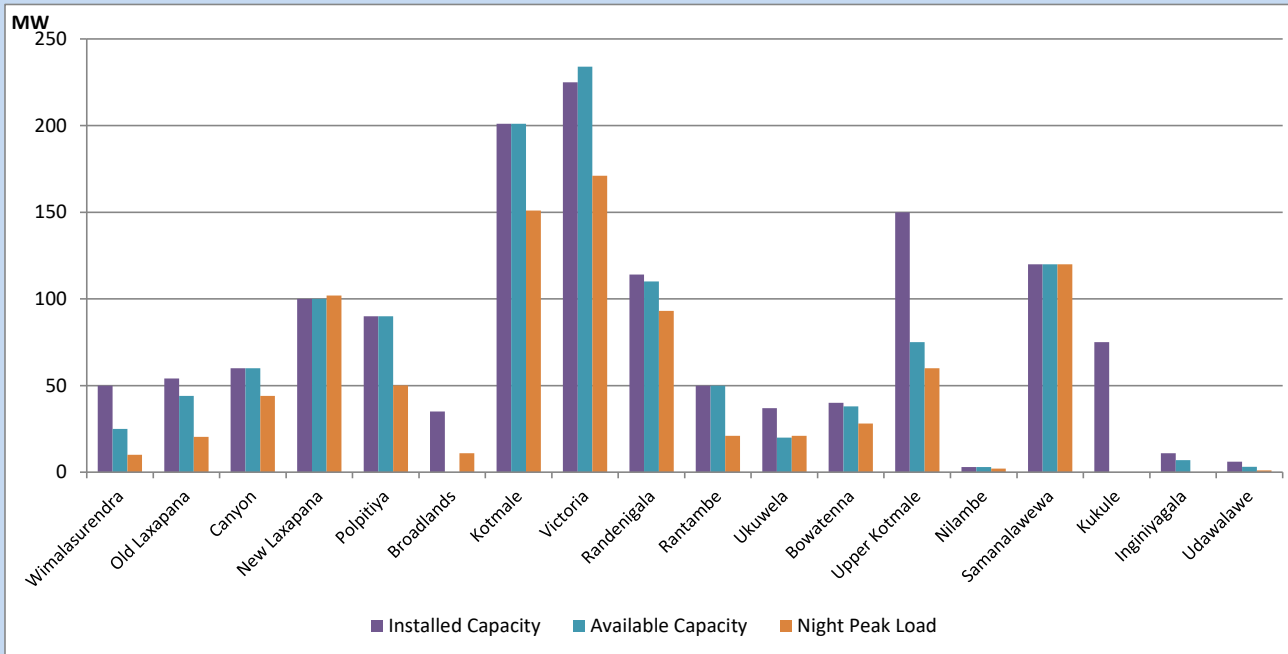


Available Generation is estimated based on plant availability at 6.00am on
Broadlands power plant is operating in the Commissioning Stage

February 22, 2023

Major Hydro Plant Loading at Night Peak

February 21, 2023



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

February 22, 2023

Summary of Major Plant performance

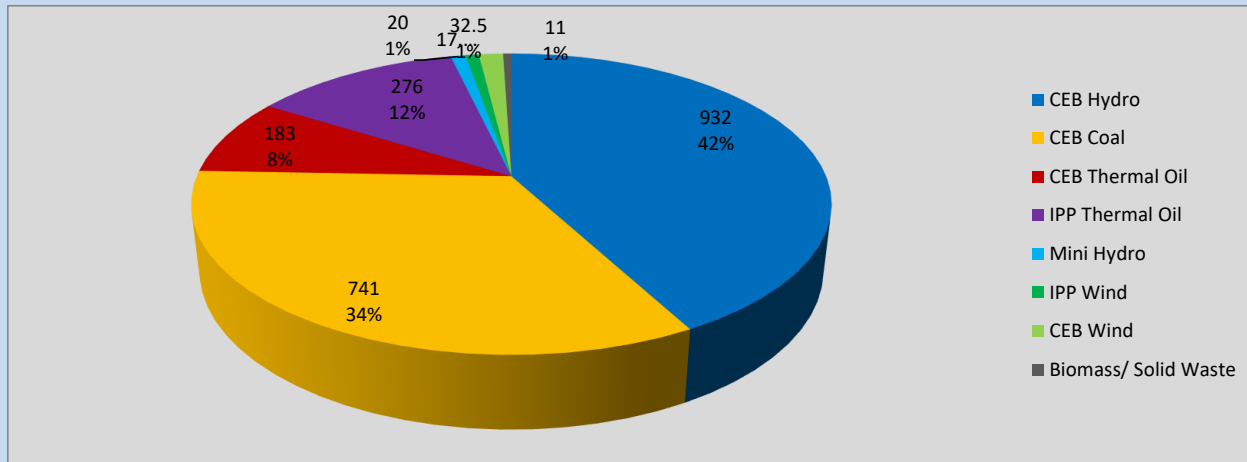
Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	25	10	109
Old Laxapana	54	44	20	296
Canyon	60	60	44	531
New Laxapana	100	100	102	1,717
Polpitiya	90	90	50	980
Broadlands	35	0	11	98
Kotmale	201	201	151	850
Victoria	225	234	171	1,287
Randenigala	114	110	93	593
Rantambe	50	50	21	495
Ukuwela	37	20	21	503
Bowatenna	40	38	28	151
Upper Kotmale	150	75	60	341
Nilambe	3	3	2	13
Samanalawewa	120	120	120	830
Kukule	75	0	0	0
Inginiyagala	11	7	0	0
Udawalawe	6	3	1	40
Puttalam Coal I	270	270	272	6,344
Puttalam Coal II	270	270	194	5,934
Puttalam Coal III	270	270	275	6,555
KPS Small GTs	64	32	0	0
KPS GT 7	115	115	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	45	46	917
Sapugaskanda B	70	54	54	1,180
Uthura Janani	26	24	23	349
Barge CEB	60	60	60	1,041
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	276	5,974
Nothern Power	36	0	0	0
ACE Embilipitiya	93	0	0	0
Total	3,483	2,603	2,187	39,774

Plant availability is the availability recorded at 6 am on

February 22, 2023

Contribution to the Night Peak in MW

February 21, 2023

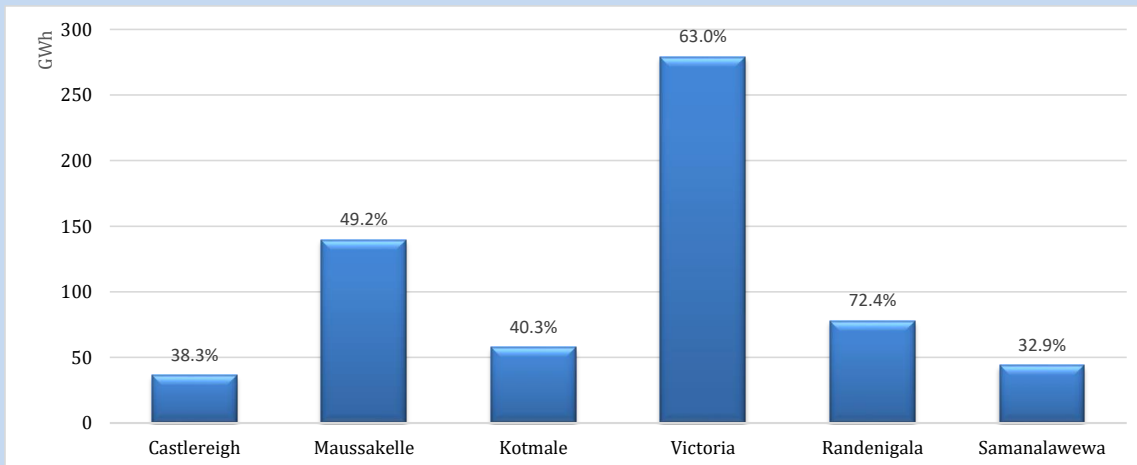


Night Peak*	2,214 MW
Day Peak	1,873 MW
Minimum Demand	1,147 MW

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

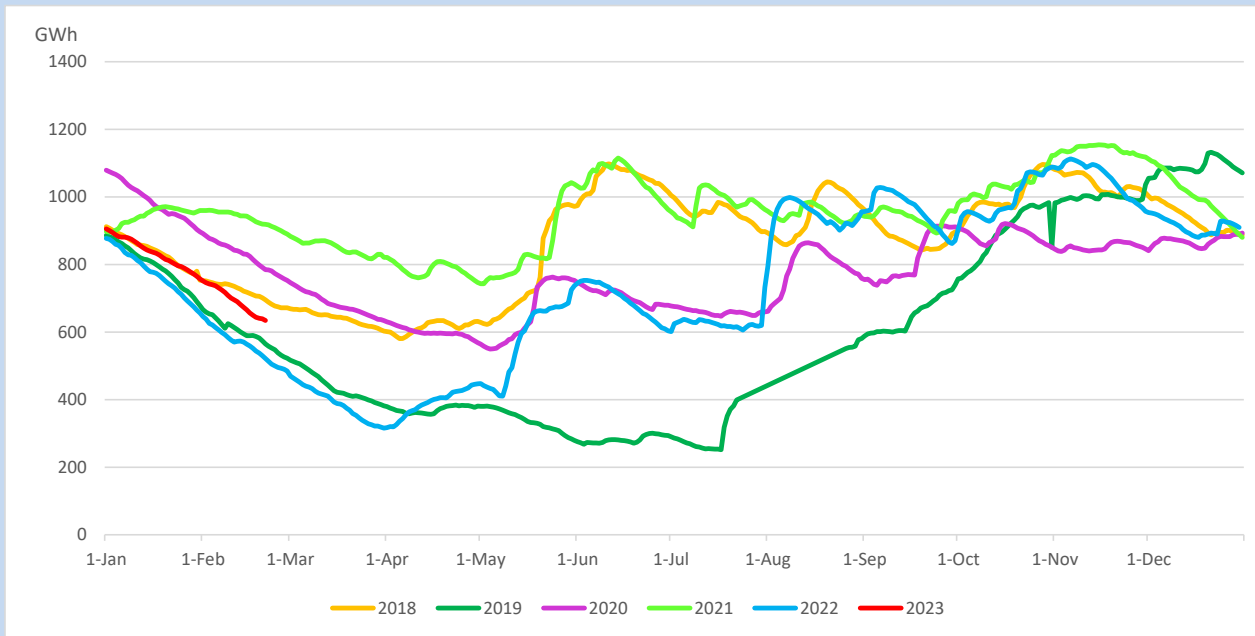
Reservoir Levels -

as at 06.00 Hr on February 22, 2023

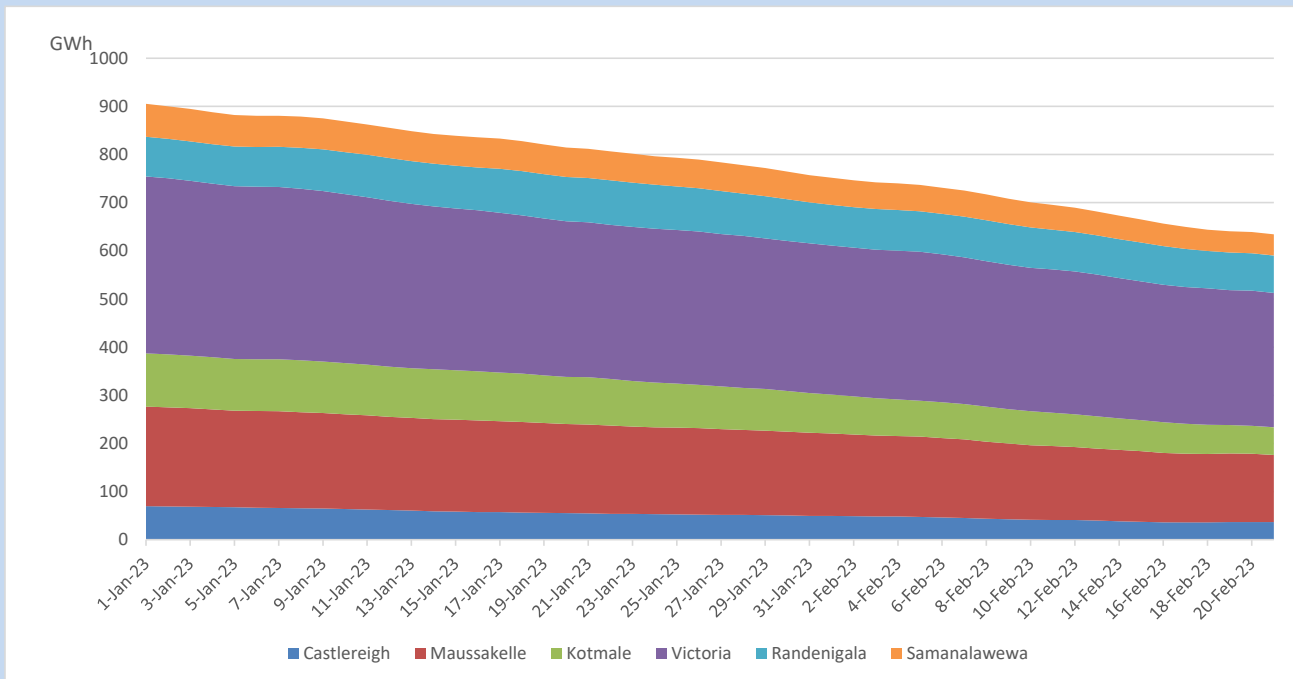


Total Reservoir Level	634.2 GWh
% of Total capacity	52.6%

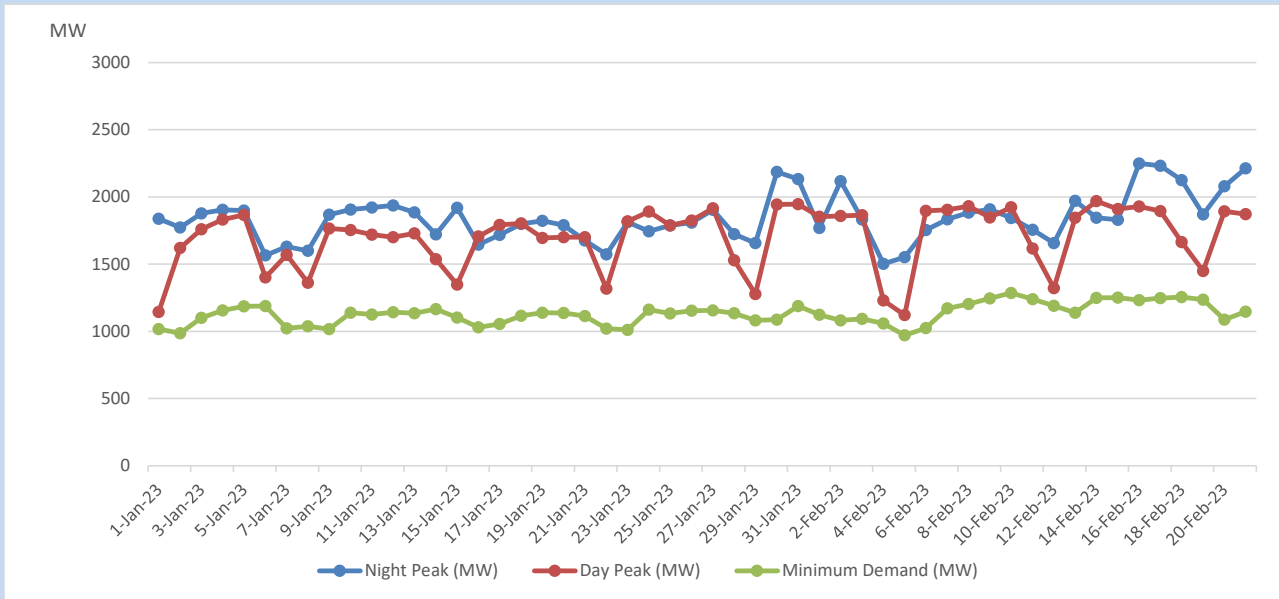
Comparison of Total Reservoir Storage Levels with Past Years



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



Variation of Demand during the current year

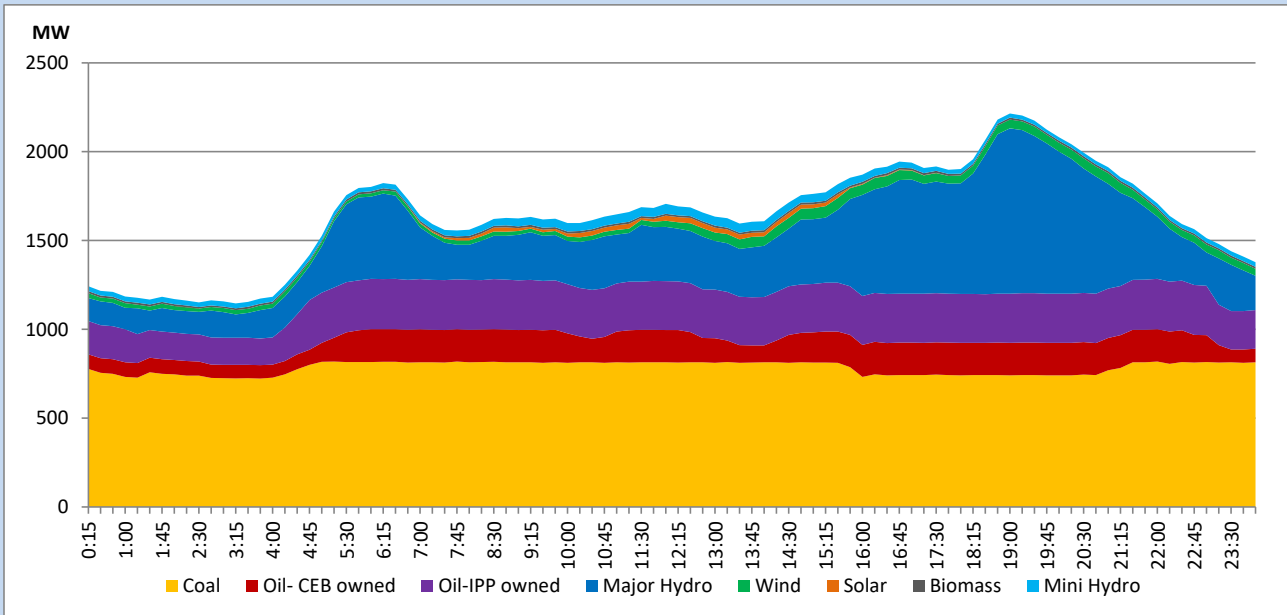


The above figures are excluding contribution from roof top solar, non telemetered solar and mini hydro plants

Daily Load Curve

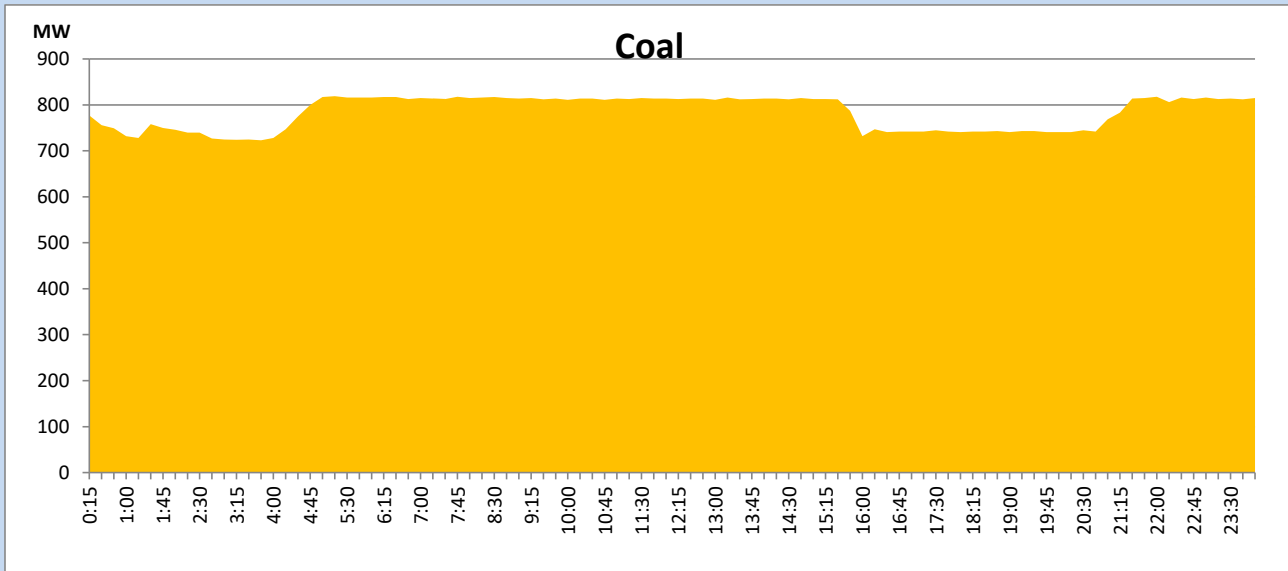
February 21, 2023

Solar and wind data is based on Telemetered Power Stations only



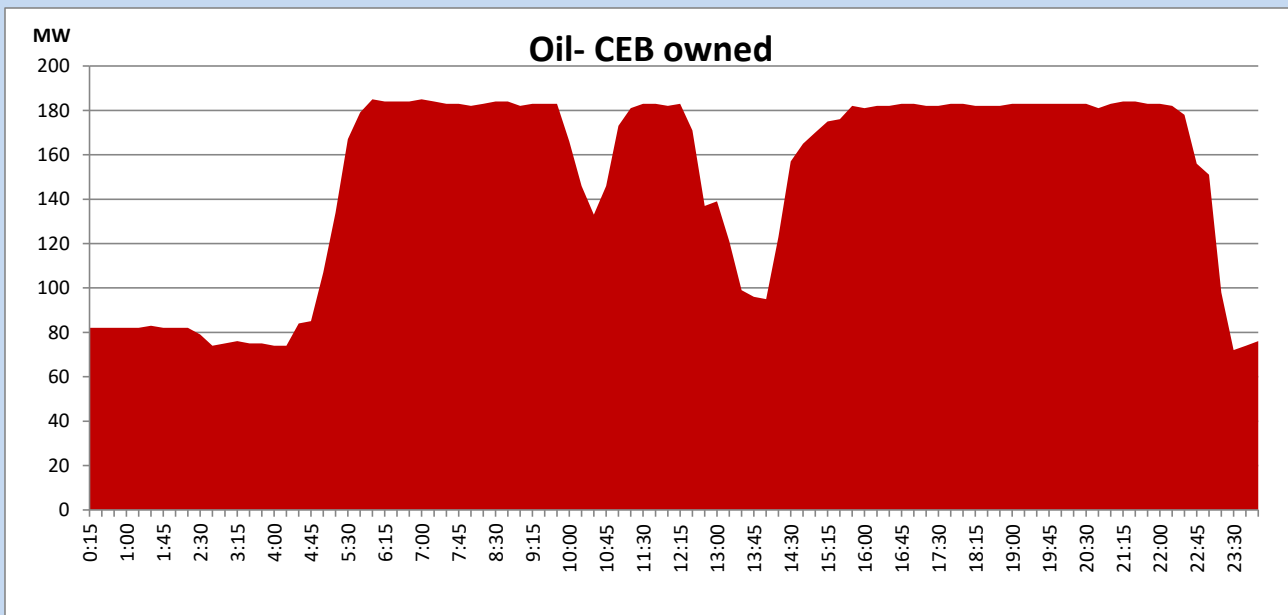
Coal Generation during

February 21, 2023



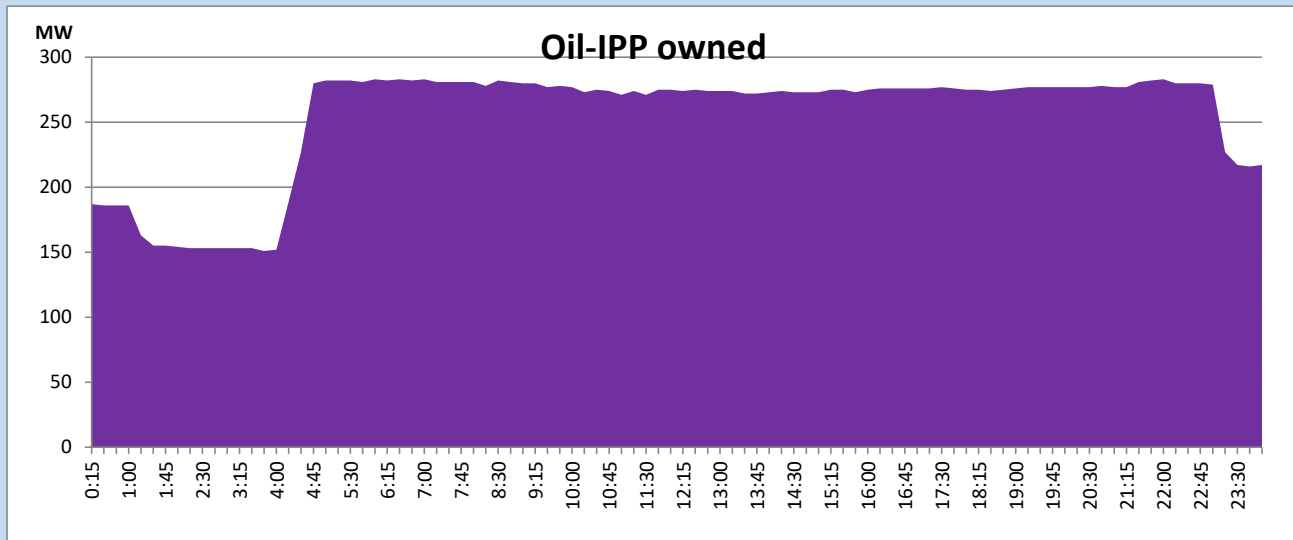
CEB Oil Plant Generation during

February 21, 2023



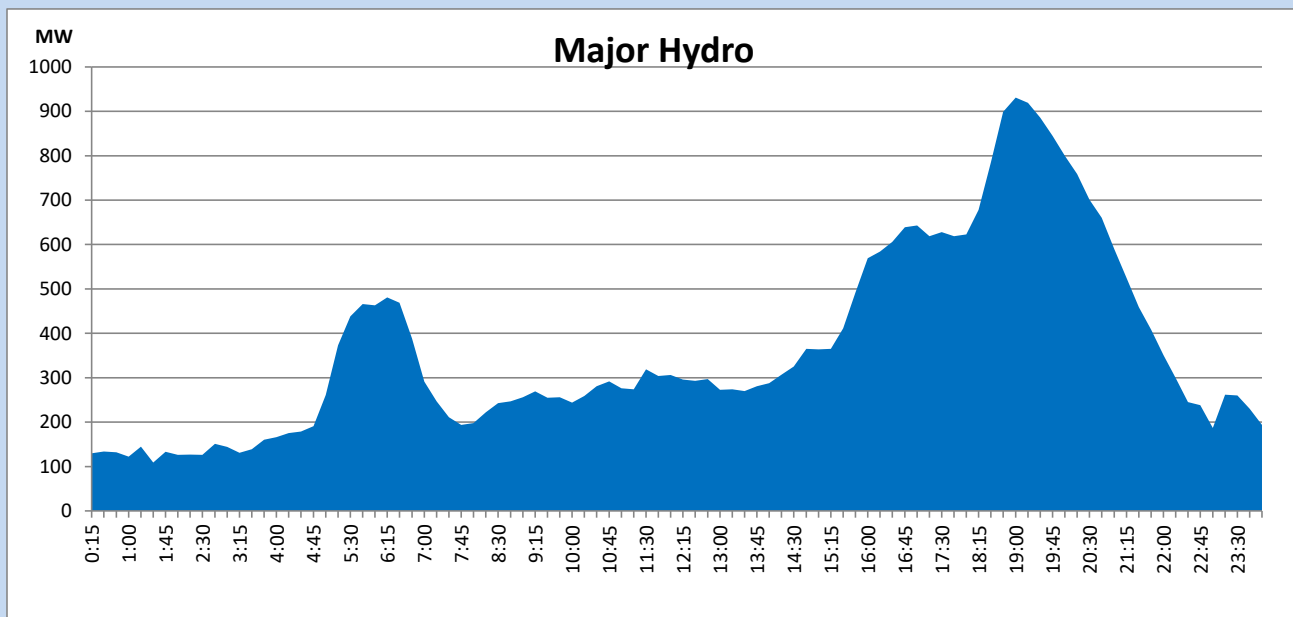
IPP Oil Plant Generation during

February 21, 2023



Major Hydro Generation during

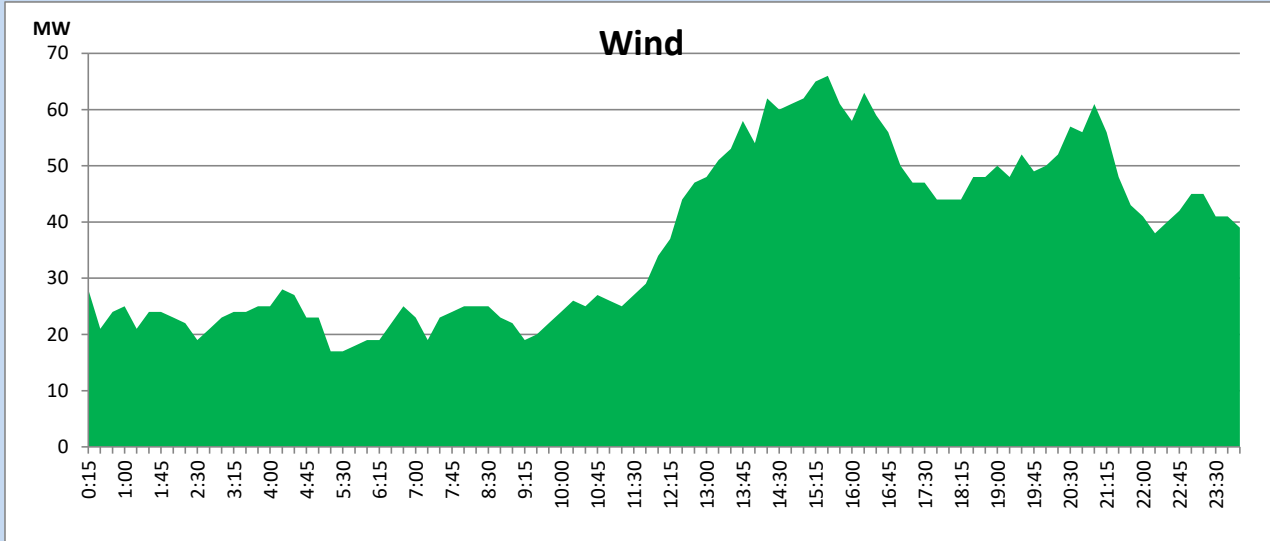
February 21, 2023



Wind Generation during

February 21, 2023

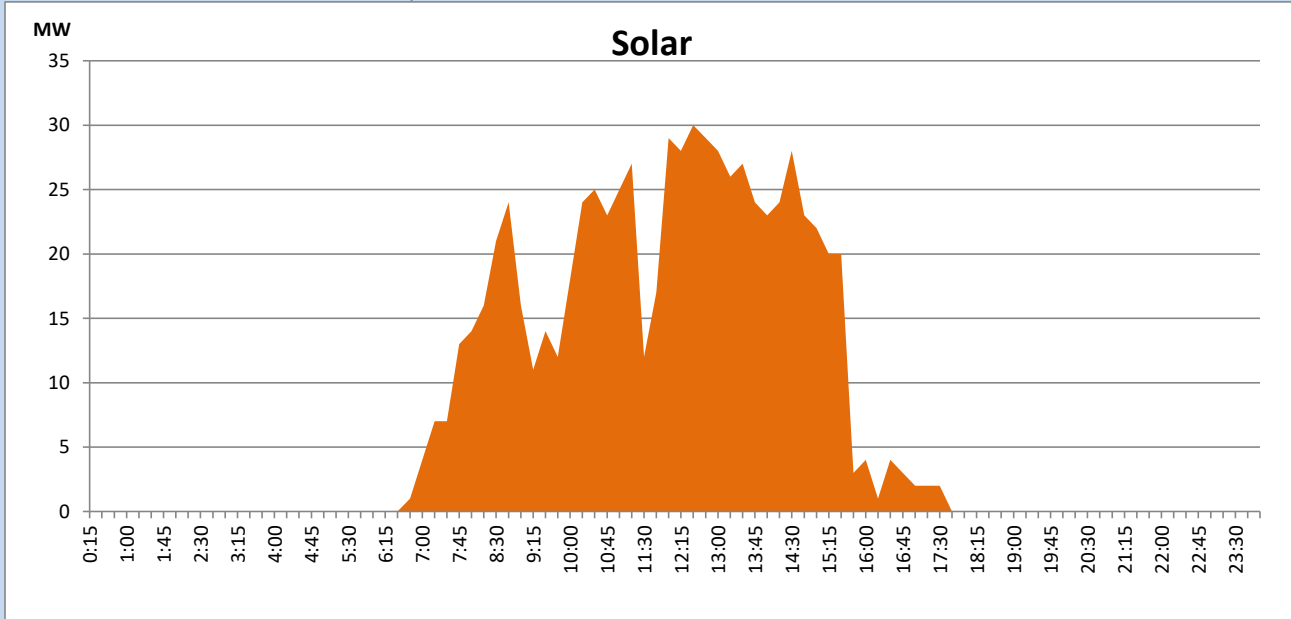
Based on Telemetered Power Stations only



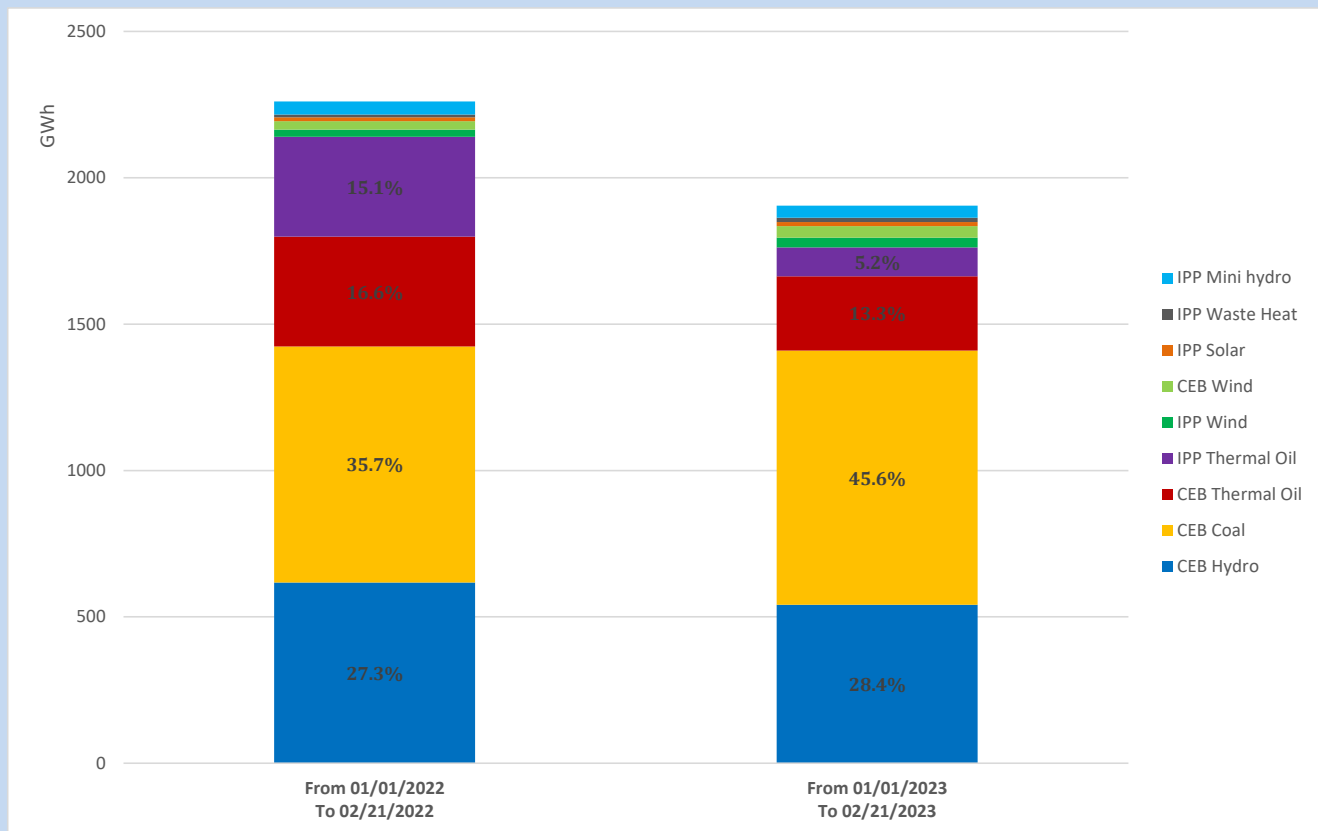
Solar Generation during

February 21, 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 21, 2023

- 1). LVPS unit 02 deloaded to 190MW(net) at 15:40hrs due to tripping of CW pump. LVPS unit 02 reached full load at 21:40hrs.
- 2). Kappalthurai 132/33kV T/F 02 tripped at 3:07hrs(22/02/2023) from both ends without any indication. Kappalthurai T/F 02 is yet to be restored.