

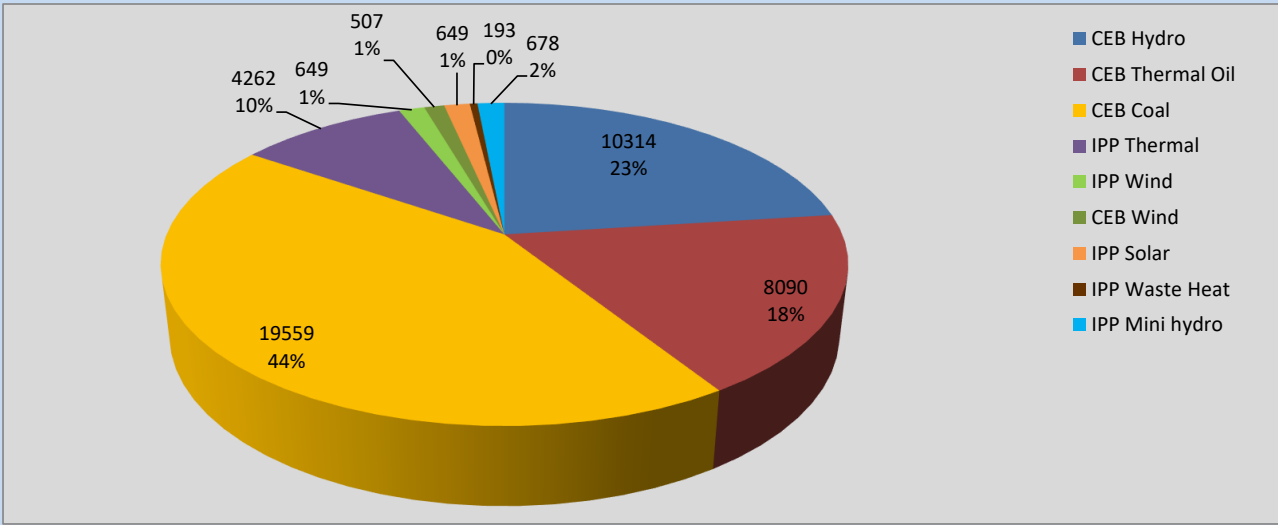
# Generation and Reservoirs Statistics

February 23, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **44,489 MWh**

Note: Above data is excluding contribution from Roof Top Solar, 1MW Solar and certain Mini Hydro plants

## Cumulative Dispatch

Note: Following data is Excluding contribution from Roof Top Solar, 1MW solar and Mini Hydro plants

### For Current Month

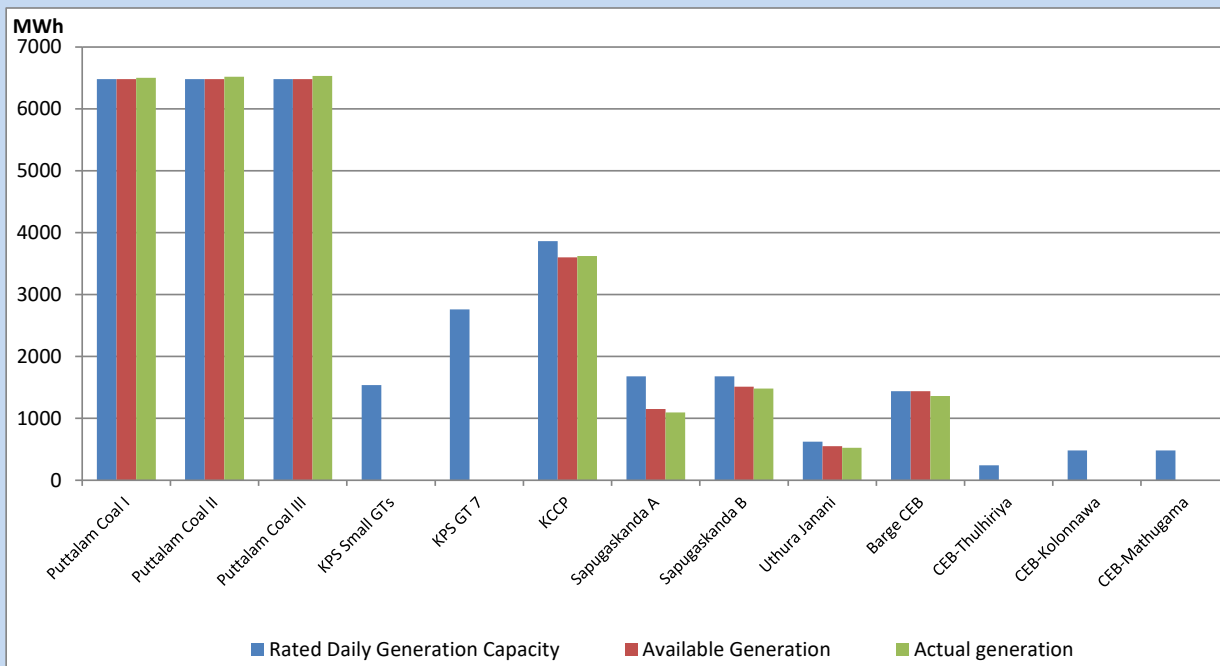
Category	Dispatch (GWh)	Percentage
CEB Hydro	230.8	22.83%
CEB Thermal Oil	146.5	14.49%
CEB Coal	439.0	43.42%
IPP Thermal	148.5	14.69%
SPP Wind	9.7	0.96%
CEB Wind	11.8	1.16%
SPP Solar	5.7	0.57%
SPP Solid Waste	1.7	0.17%
Mini Hydro	17.3	1.71%
<b>Total</b>	<b>1,010.9</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	638.1	27.14%
CEB Thermal Oil	390.6	16.62%
CEB Coal	846.2	35.99%
IPP Thermal	352.5	14.99%
SPP Wind	25.0	1.06%
CEB Wind	29.9	1.27%
SPP Solar	13.7	0.58%
SPP Solid Waste	9.8	0.42%
Mini Hydro	45.5	1.93%
<b>Total</b>	<b>2,351.1</b>	

## CEB owned Thermal Plant Dispatch

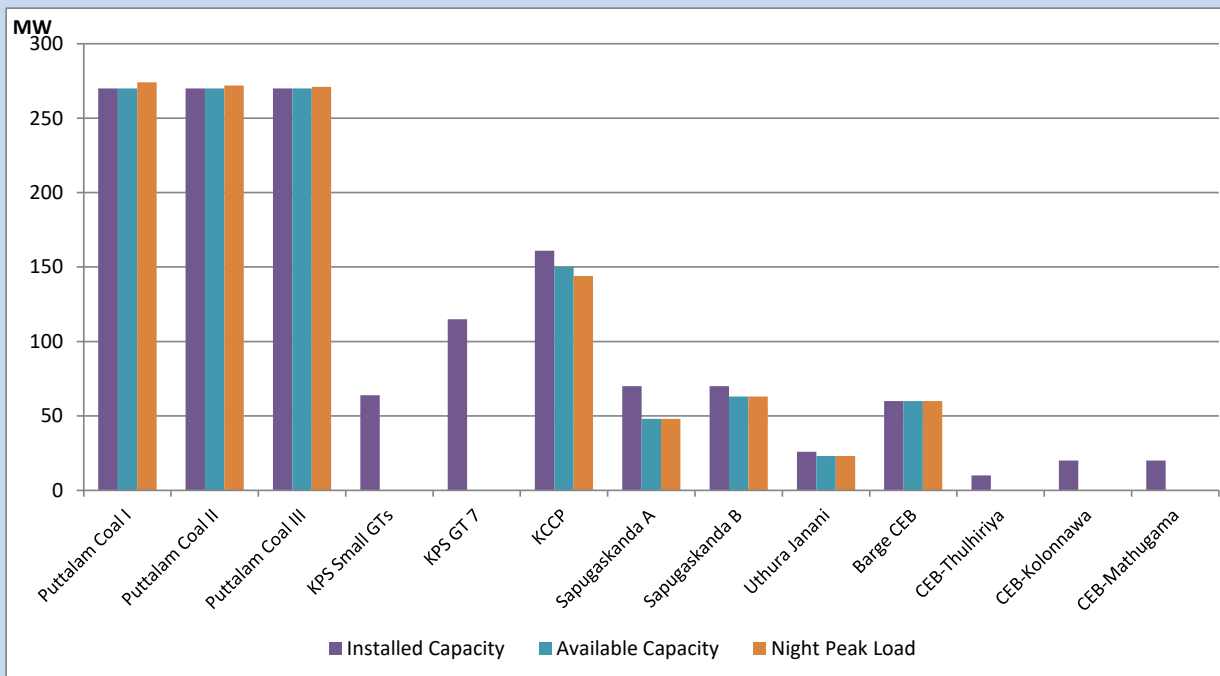
February 23, 2022



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

February 24, 2022

## CEB owned Thermal Plant Loading at the Night Peak



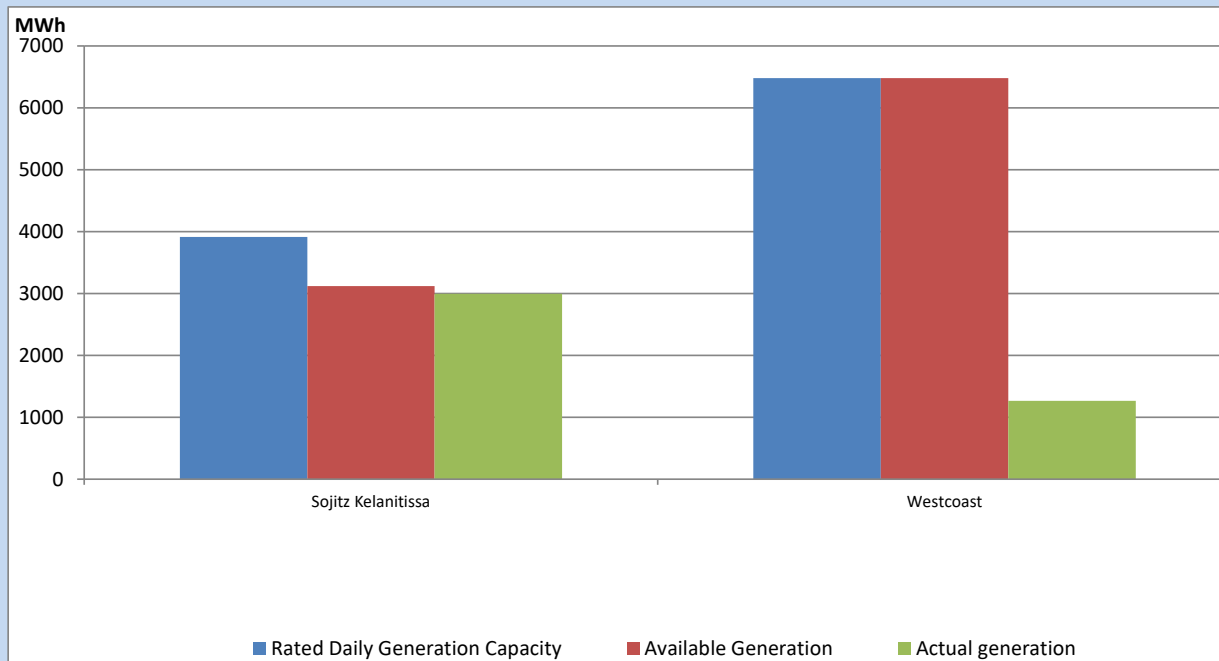
Note- Plant availability is recorded at 6.00 am on

February 24, 2022

## IPP owned Thermal Plant Dispatch

February 23, 2022

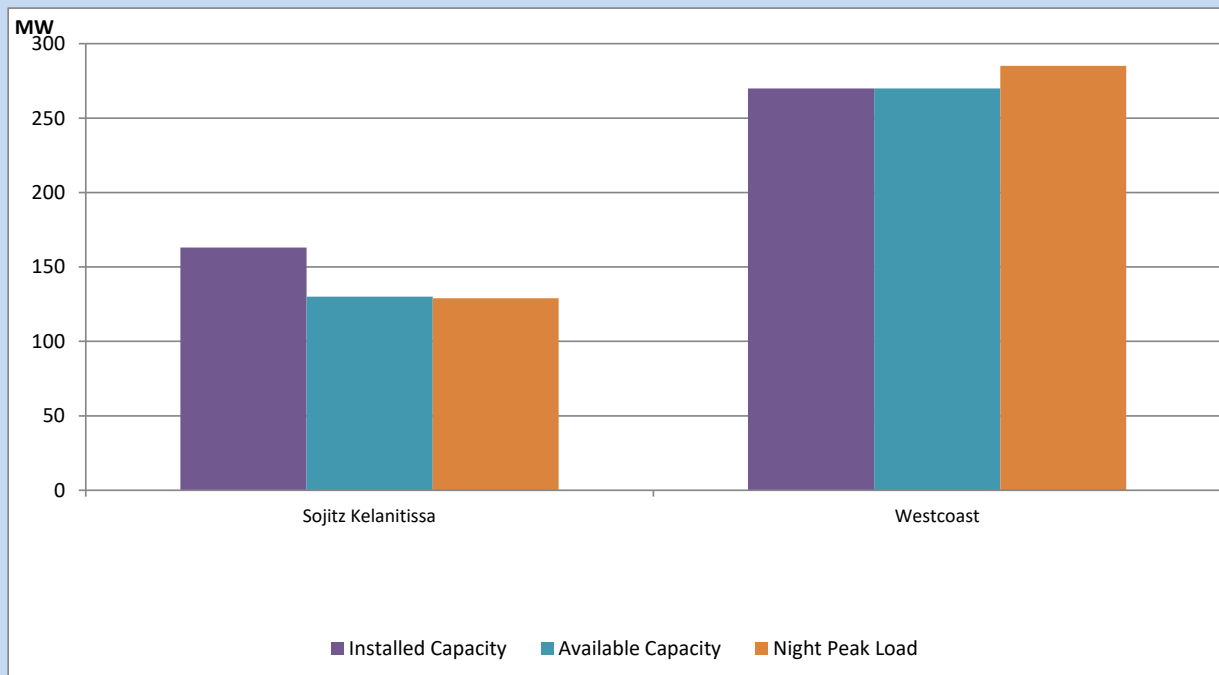
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

February 24, 2022

## IPP owned Thermal Plant Loading at the Night Peak

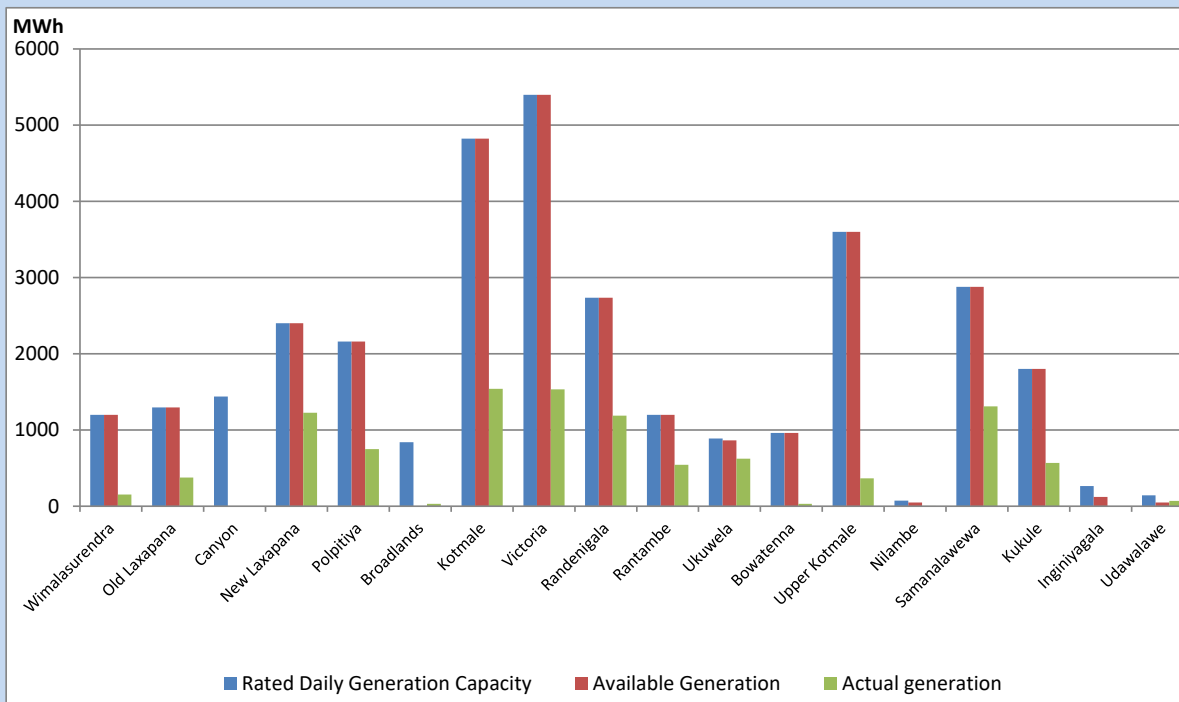


Note- Plant availability is recorded at 6.00 am on

February 24, 2022

## Major Hydro Plant Dispatch

February 23, 2022

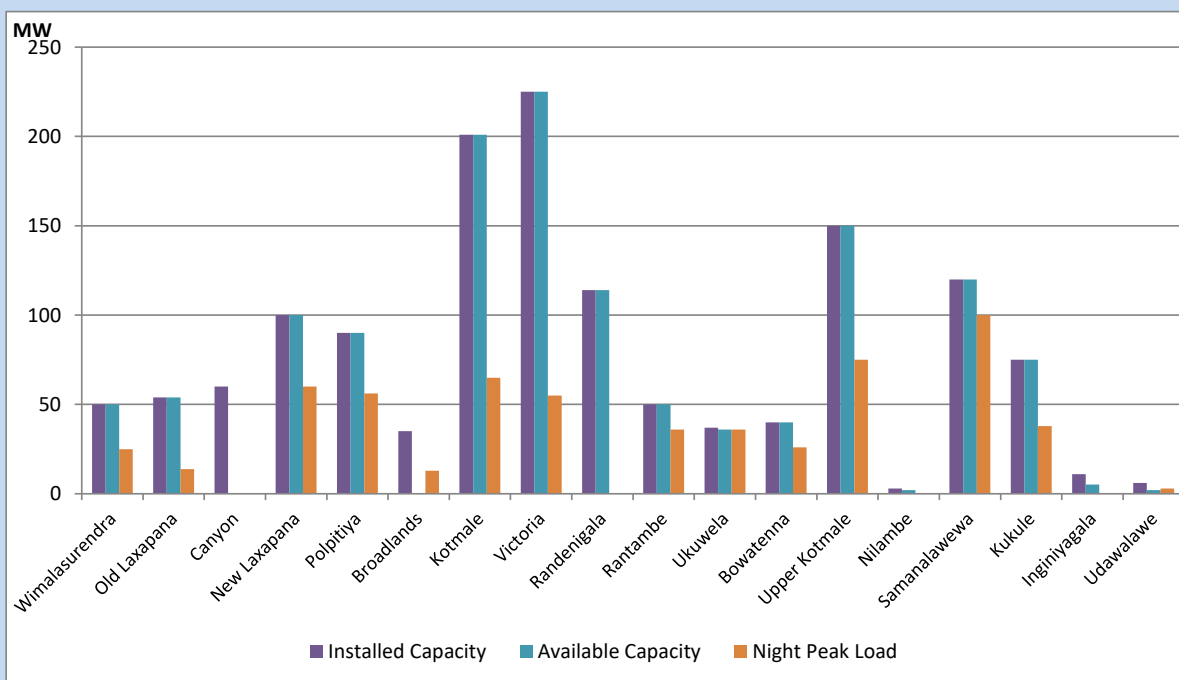


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 24, 2022

## Major Hydro Plant Loading at Night Peak

February 23, 2022



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

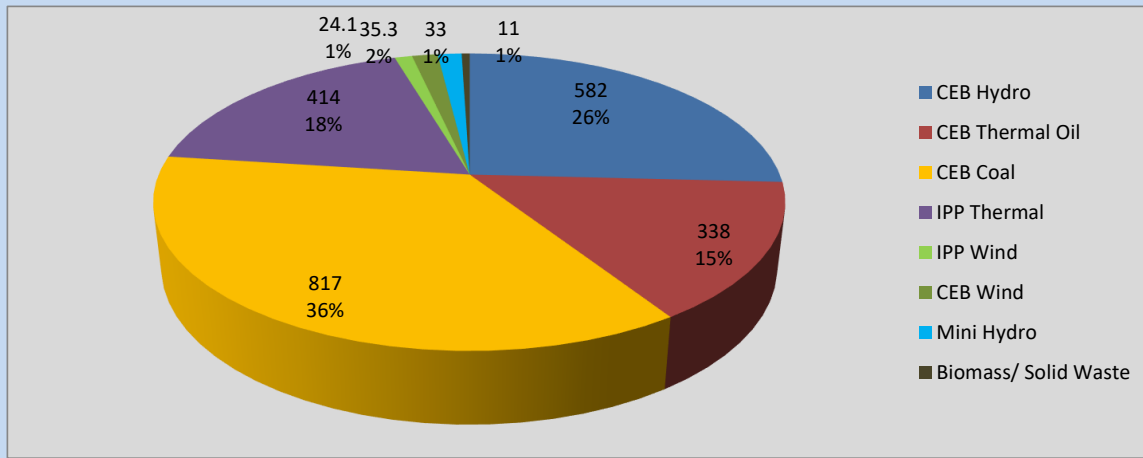
February 24, 2022

## Summary of Major Plant performance

Plant	Installed Capacity	Plant Availability	Night peak Load	Plant Dispatch
	(MW)	(MW)	(MW)	(MWh)
Wimalasurendra	50	50	25	153
Old Laxapana	54	54	14	375
Canyon	60	0	0	0
New Laxapana	100	100	60	1,227
Polpitiya	90	90	56	750
Broadlands	35	0	13	32
Kotmale	201	201	65	1,540
Victoria	225	225	55	1,534
Randenigala	114	114	0	1,189
Rantambe	50	50	36	542
Ukuwela	37	36	36	625
Bowatenna	40	40	26	30
Upper Kotmale	150	150	75	364
Nilambe	3	2	0	3
Samanalawewa	120	120	100	1,311
Kukule	75	75	38	569
Inginiyagala	11	5	0	0
Udawalawe	6	2	3	70
Puttalam Coal I	270	270	274	6,505
Puttalam Coal II	270	270	272	6,519
Puttalam Coal III	270	270	271	6,535
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	150	144	3,624
Sapugaskanda A	70	48	48	1,094
Sapugaskanda B	70	63	63	1,484
Uthura Janani	26	23	23	527
Barge CEB	60	60	60	1,361
CEB-Thulhiriya	10	0	0	0
CEB-Kolonnawa	20	0	0	0
CEB-Mathugama	20	0	0	0
Sojitz Kelanitissa	163	130	129	2,995
West Coast	270	270	285	1,267
<b>Total</b>	<b>3,280</b>	<b>2,868</b>	<b>2,274</b>	<b>44,489</b>

Plant availability is the availability recorded at 6 am on

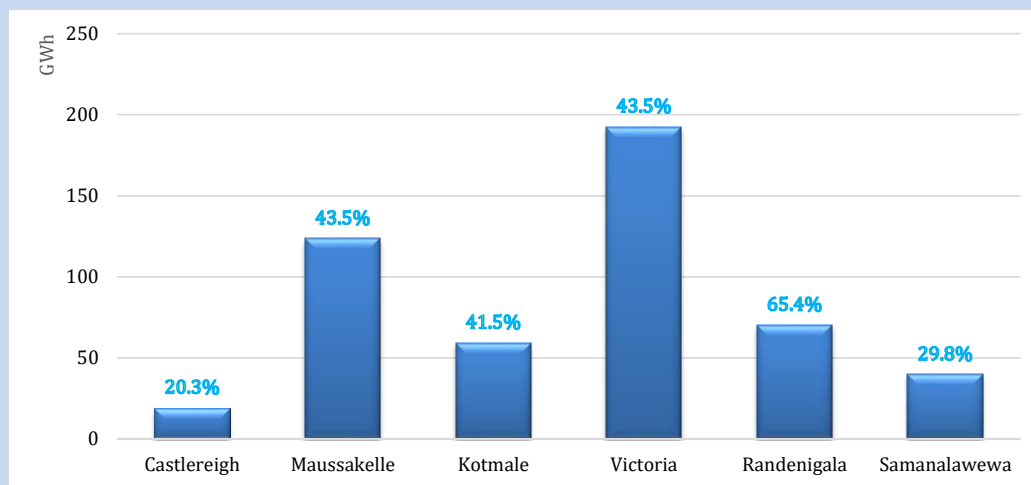
February 24, 2022



Night Peak\* 2,254.2 MW  
 Day Peak 2,052.2 MW  
 Minimum Demand 1,485.0 MW

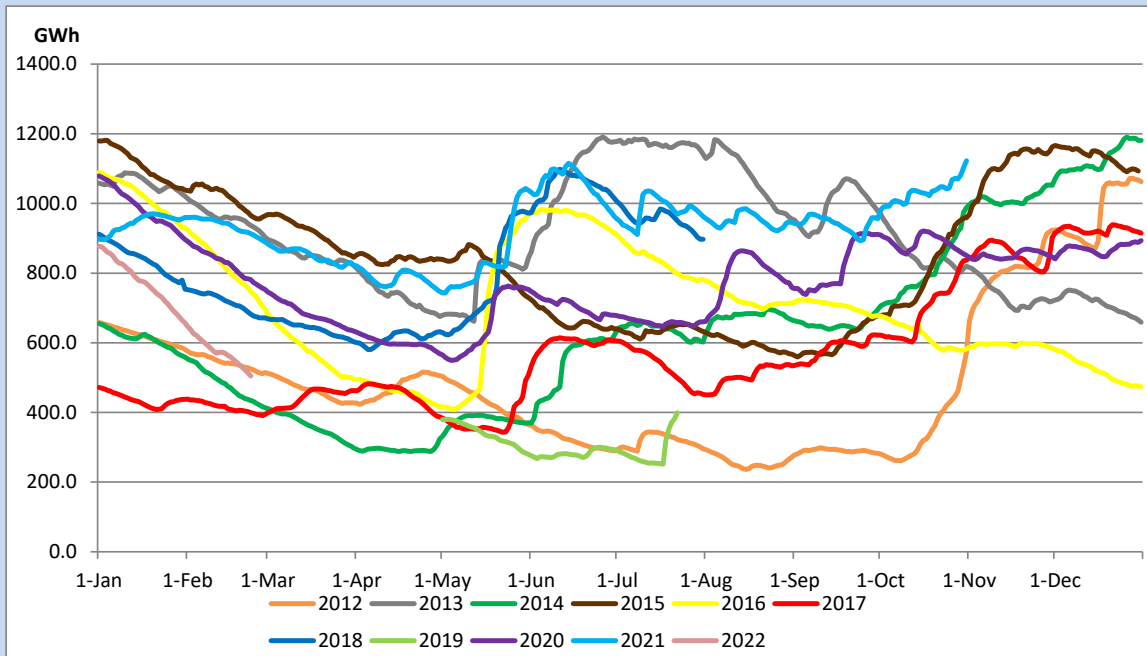
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

**Reservoir Levels -** as at 06.00 Hr on February 24, 2022



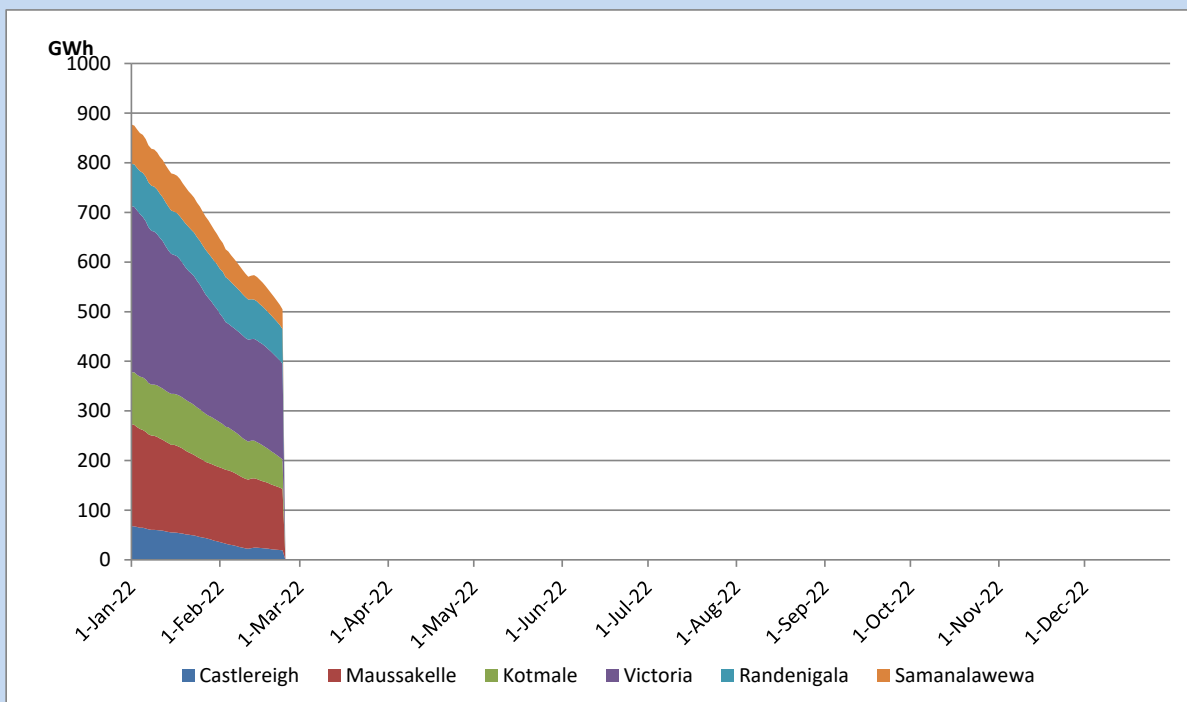
Total Reservoir Level 504.7 GWh  
 % of Total capacity 40.7%

## Comparison of Total Reservoir Storage Levels with Past Years



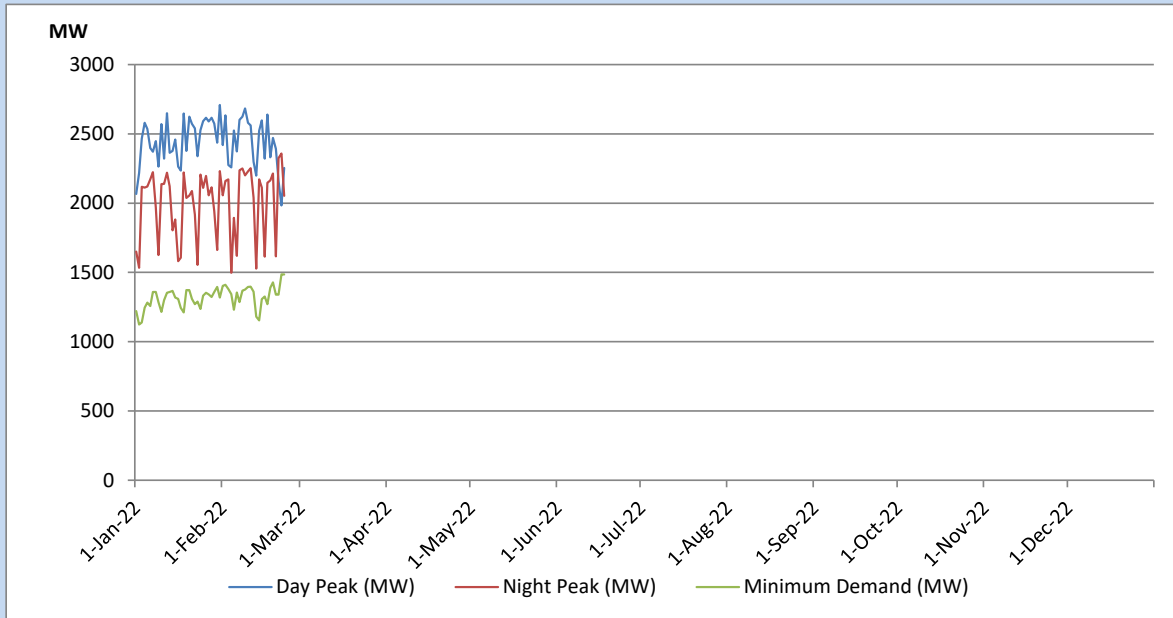
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

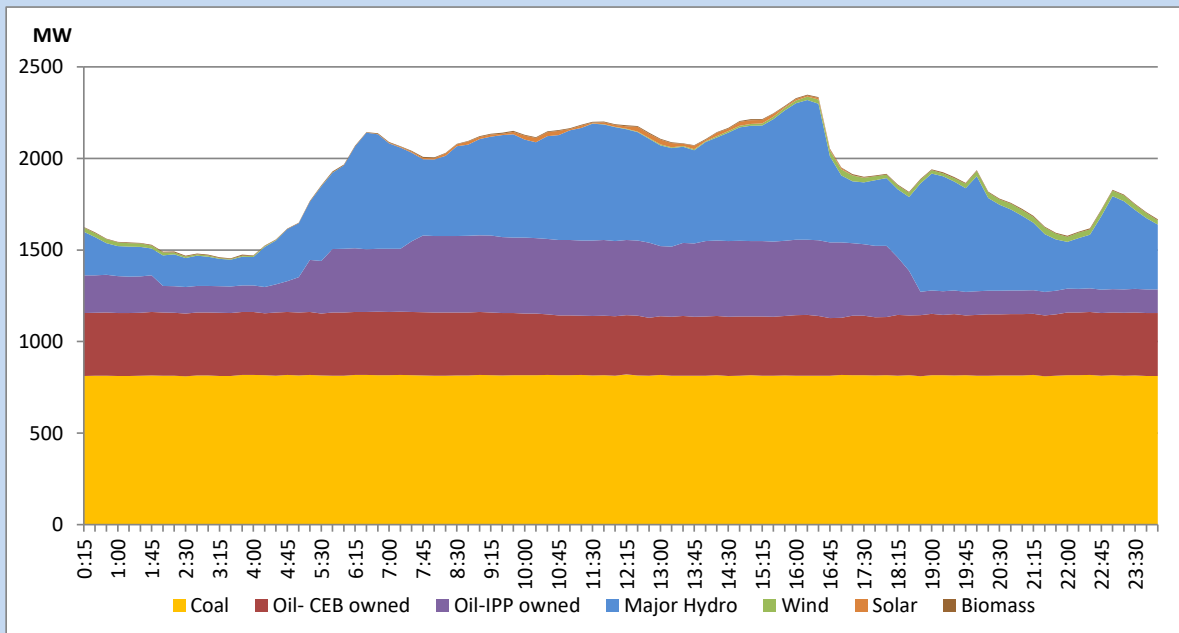


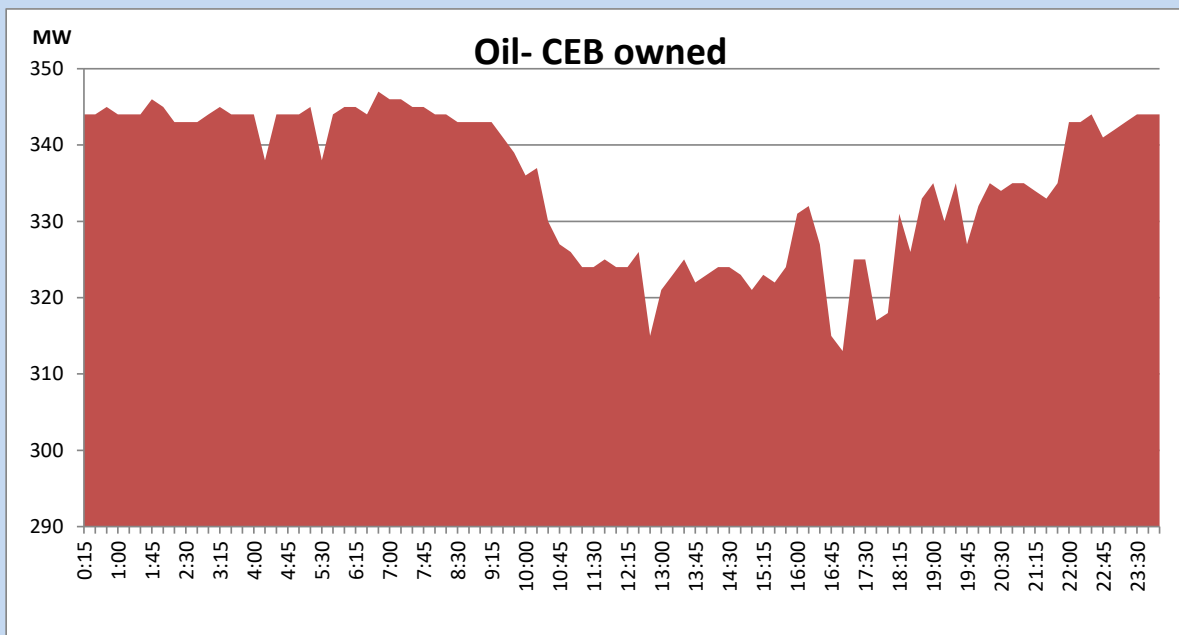
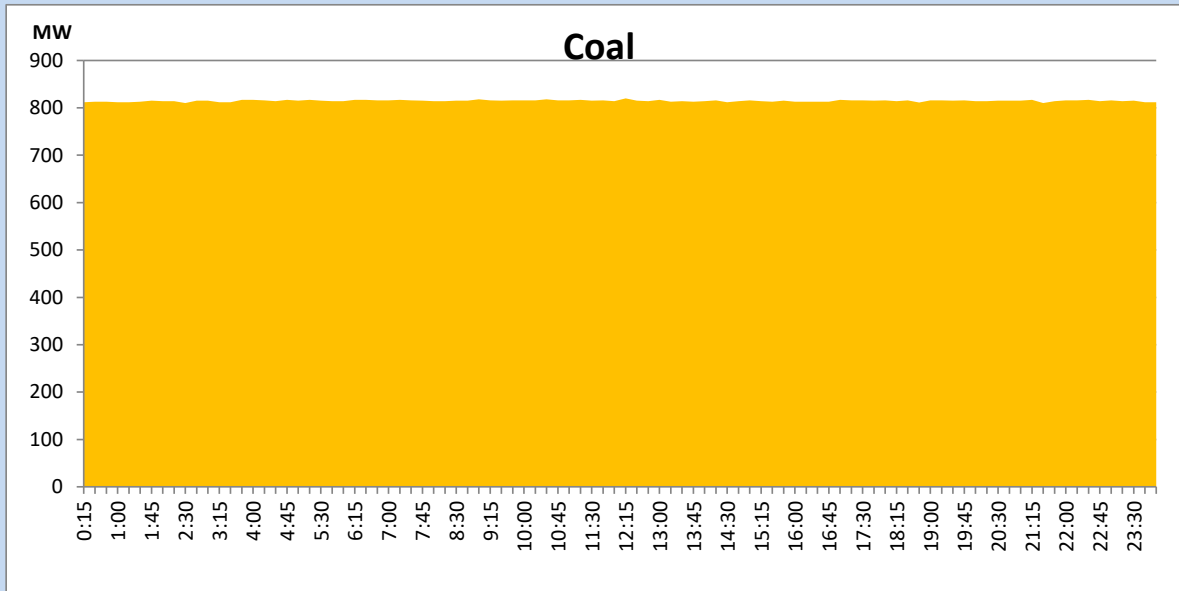
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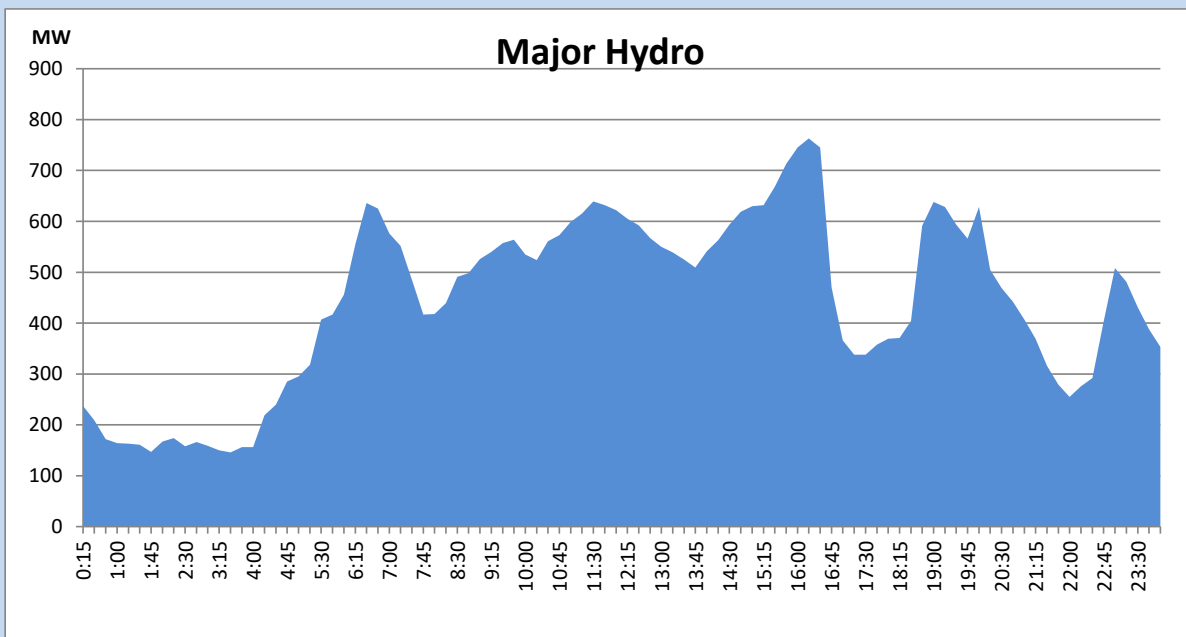
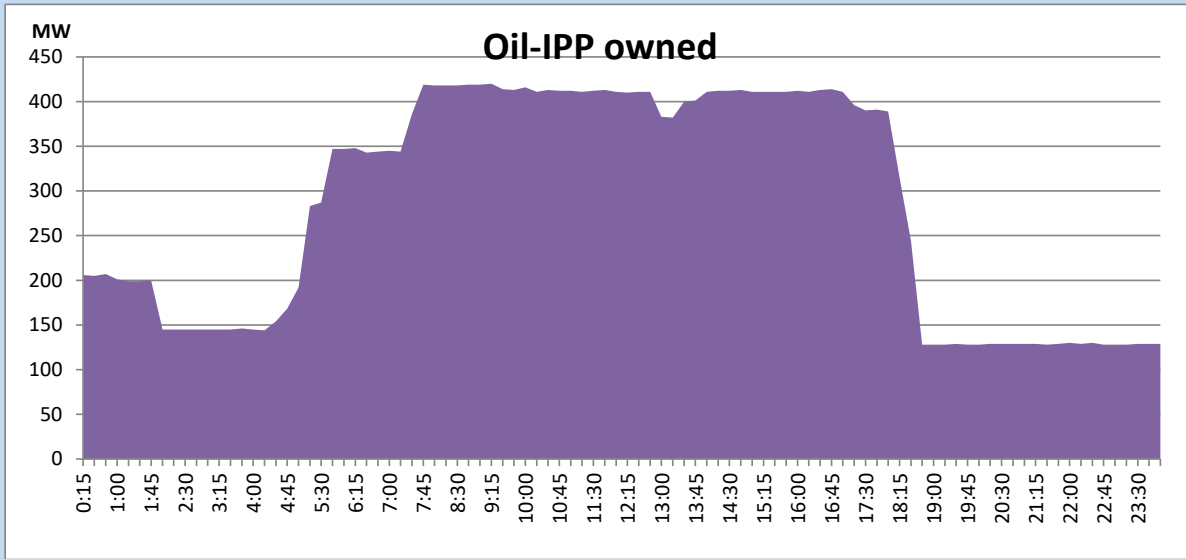
## Daily Load Curve of the Previous day

February 22, 2022

Solar and wind data is based on Telemetered Power Stations only



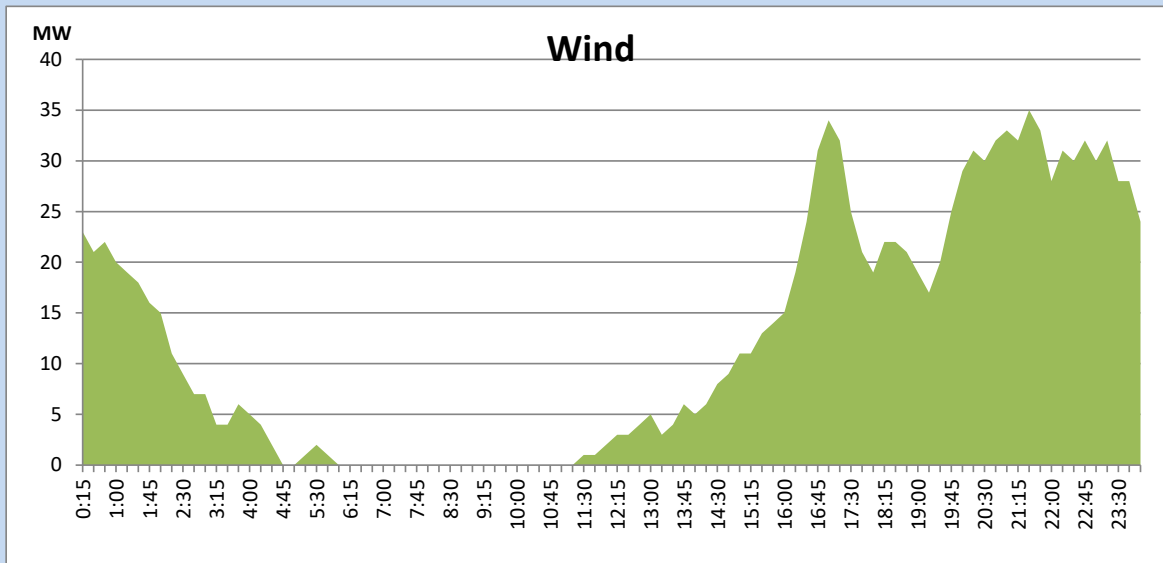




## Wind Generation during the Previous day

February 22, 2022

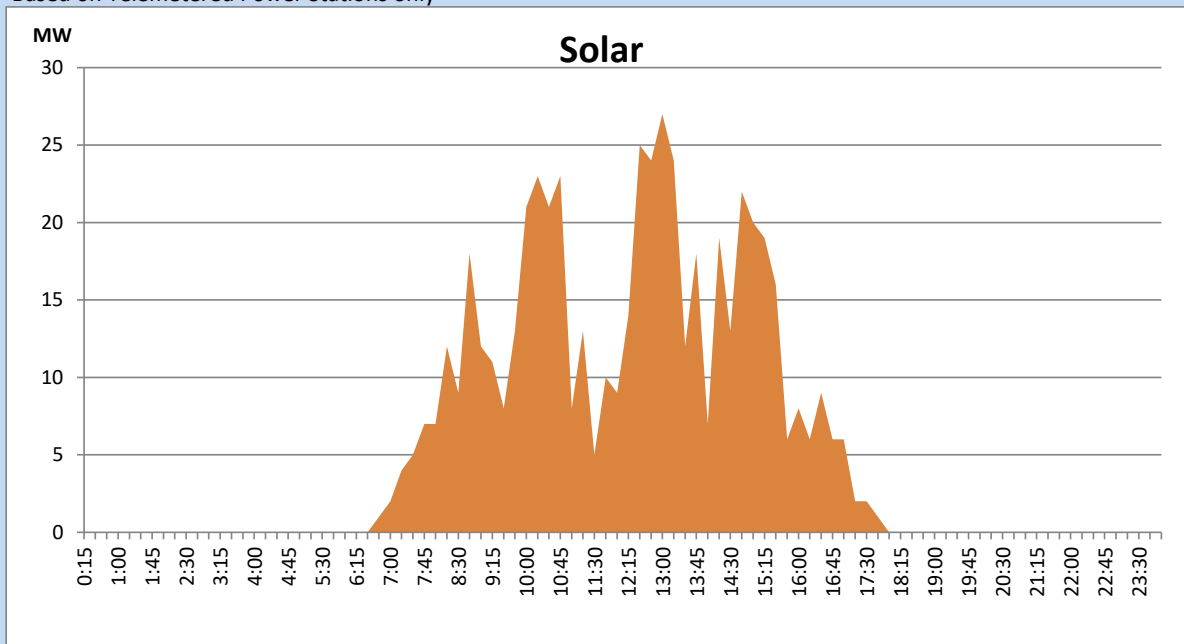
Based on Telemetered Power Stations only



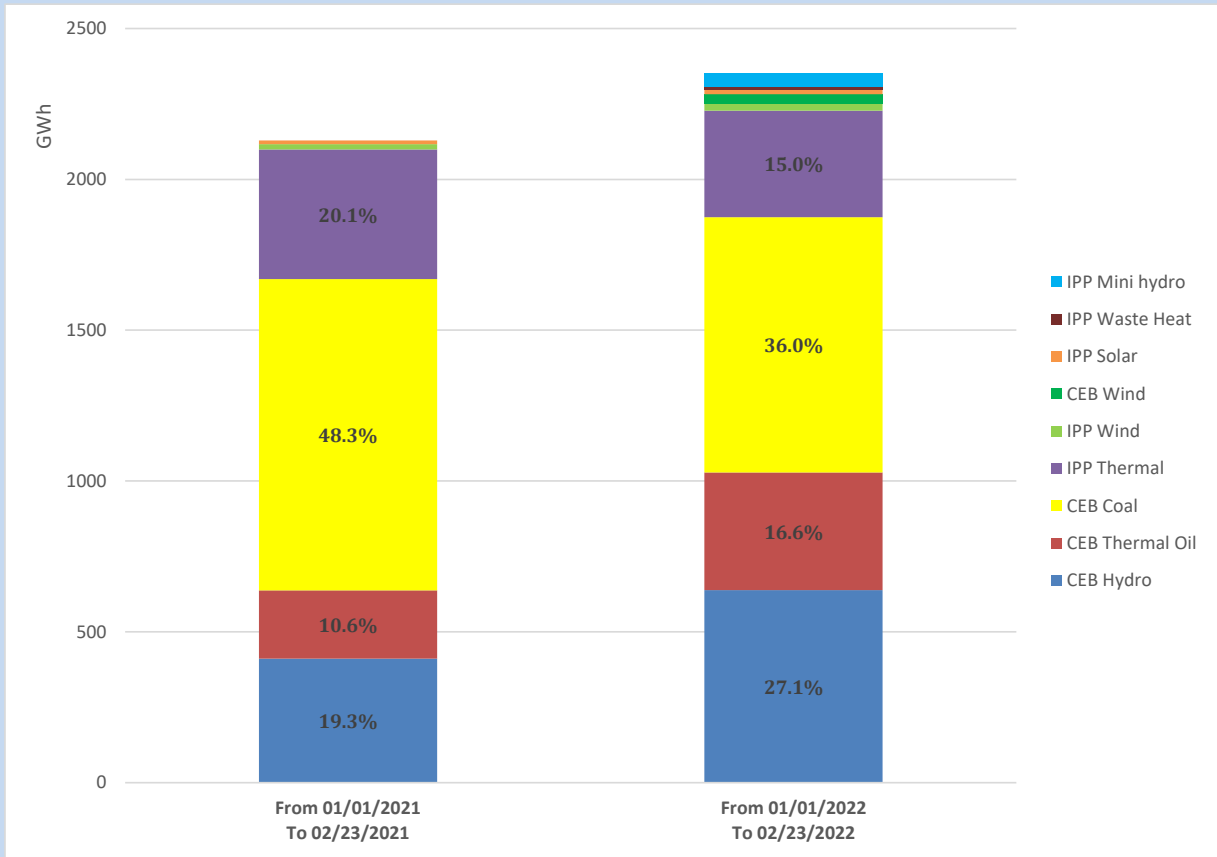
## Solar Generation during the Previous day

February 22, 2022

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 & Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Heavy Fuel

Power Station	Primary Fuel
Private Thermal	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Auto Diesel

**Major Incidents during the day -as reported by CEB morning of****February 24, 2022**

- 1) Manual load shedding carried out from 08:30 hrs to 22:30 hrs .
- 2) WCP plant made available at 17:00 hrs.
- 3) WCP GT-02 and WCP ST tripped at 22:01 hrs rejecting 194MW from system and system recovered with UFLS Stage-I. Subsequently, WCP GT-01 made forced shutdown at 22:10 hrs. WCP Plant yet to resume generation.