

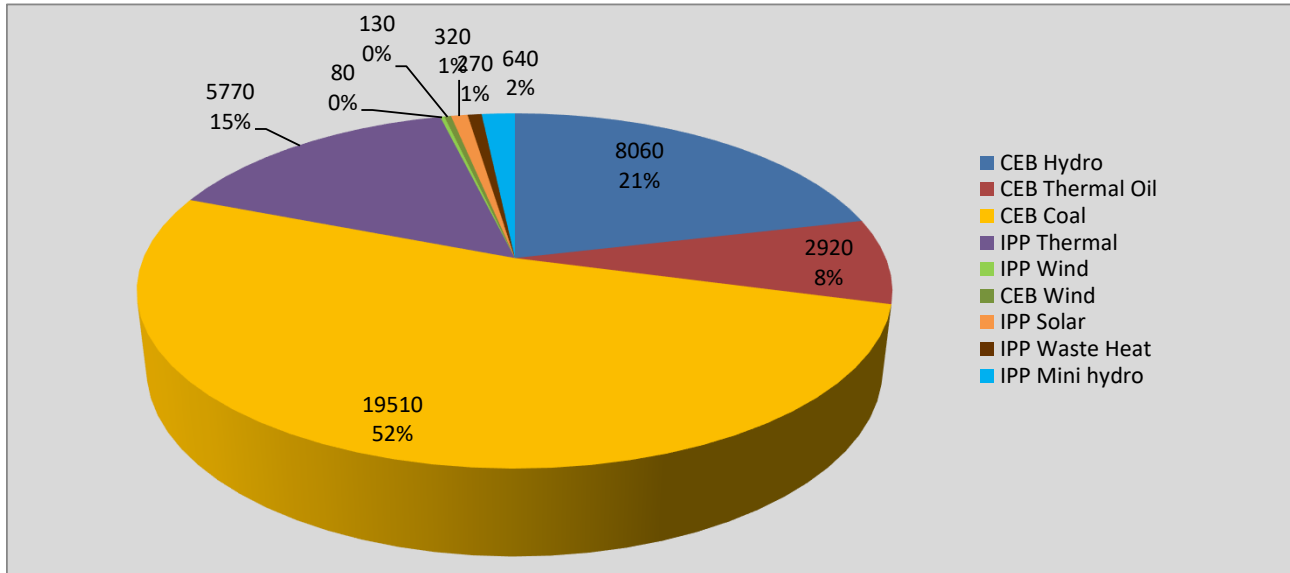
# **Generation and Reservoirs Statistics**

**February 4, 2022**



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **37,700 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

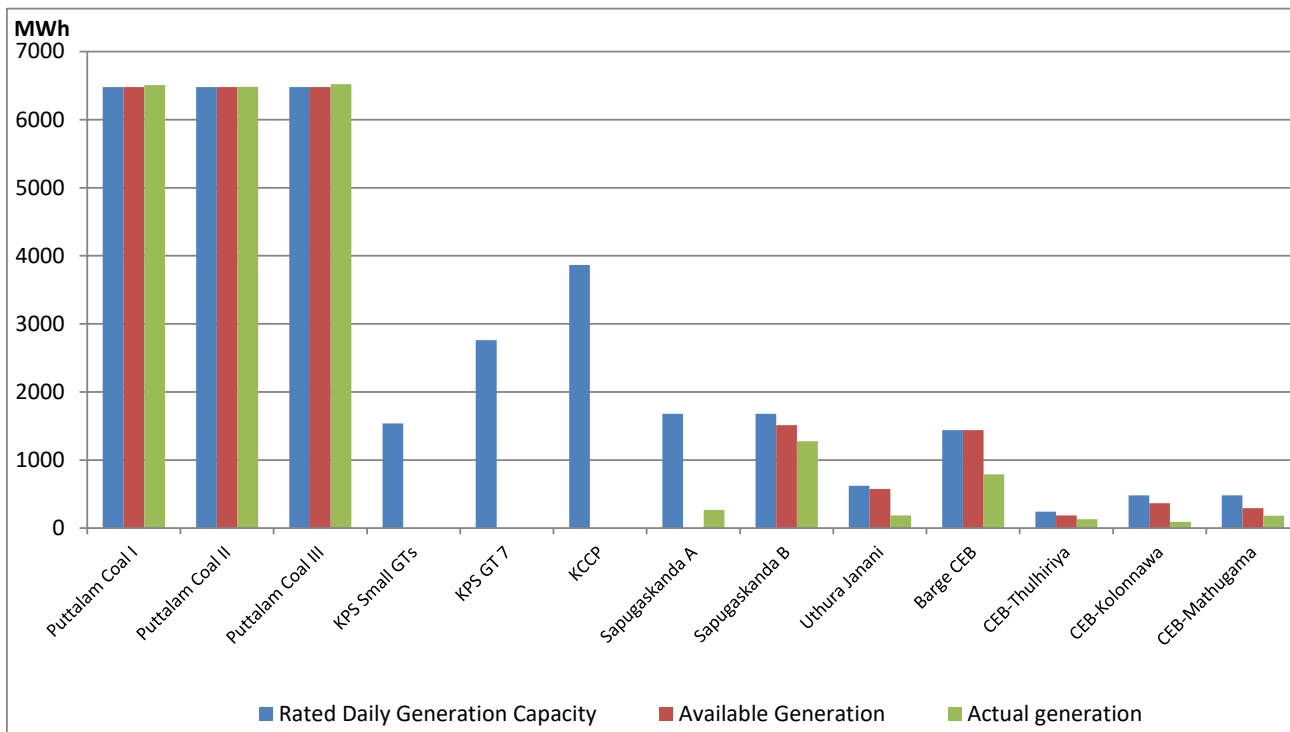
Category	Dispatch (GWh)	Percentage
CEB Hydro	47.6	27.60%
CEB Thermal Oil	25.3	14.69%
CEB Coal	68.8	39.88%
IPP Thermal	23.4	13.57%
SPP Wind	1.0	0.60%
CEB Wind	1.2	0.71%
SPP Solar	1.2	0.70%
SPP Solid Waste	1.1	0.63%
Mini Hydro	2.8	1.62%
<b>Total</b>	<b>172.5</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	454.9	30.07%
CEB Thermal Oil	269.5	17.81%
CEB Coal	476.0	31.47%
IPP Thermal	227.5	15.04%
SPP Wind	16.4	1.08%
CEB Wind	19.3	1.28%
SPP Solar	9.1	0.60%
SPP Solid Waste	9.2	0.61%
Mini Hydro	31.0	2.05%
<b>Total</b>	<b>1,512.7</b>	

## CEB owned Thermal Plant Dispatch

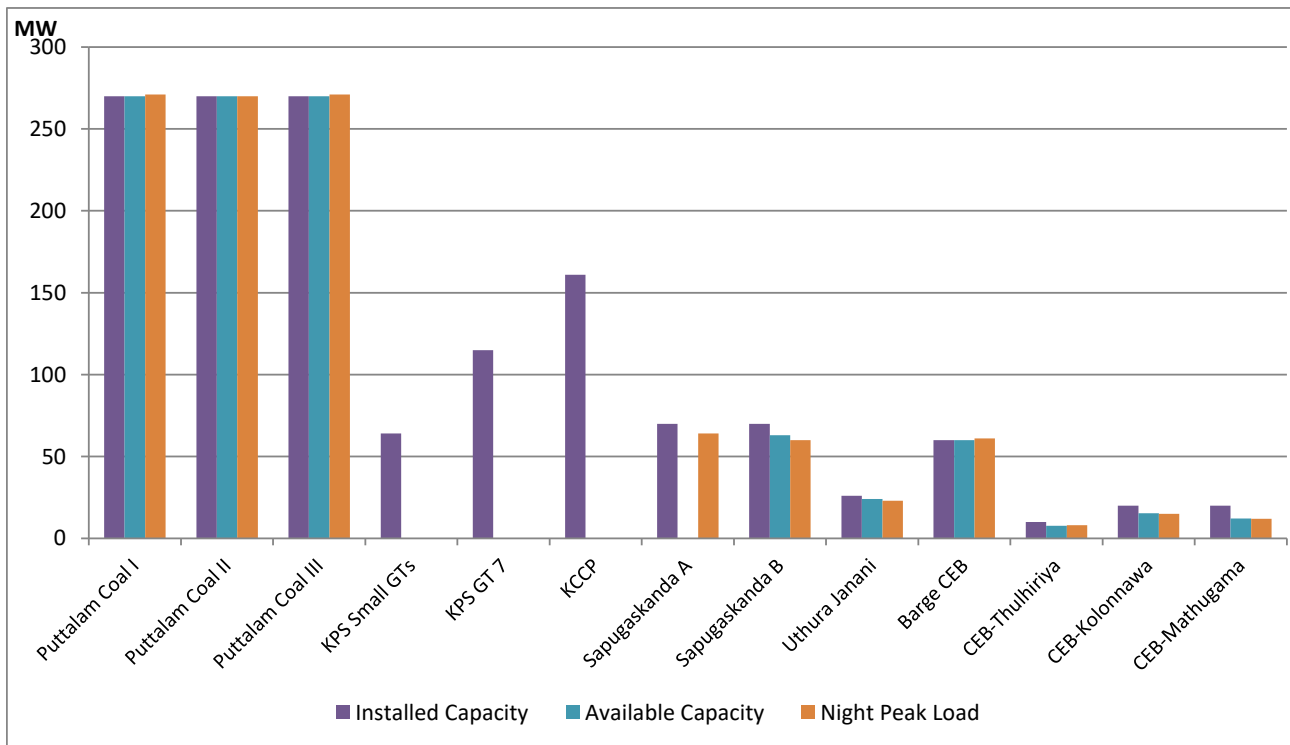
February 4, 2022



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

February 5, 2022

## CEB owned Thermal Plant Loading at the Night Peak



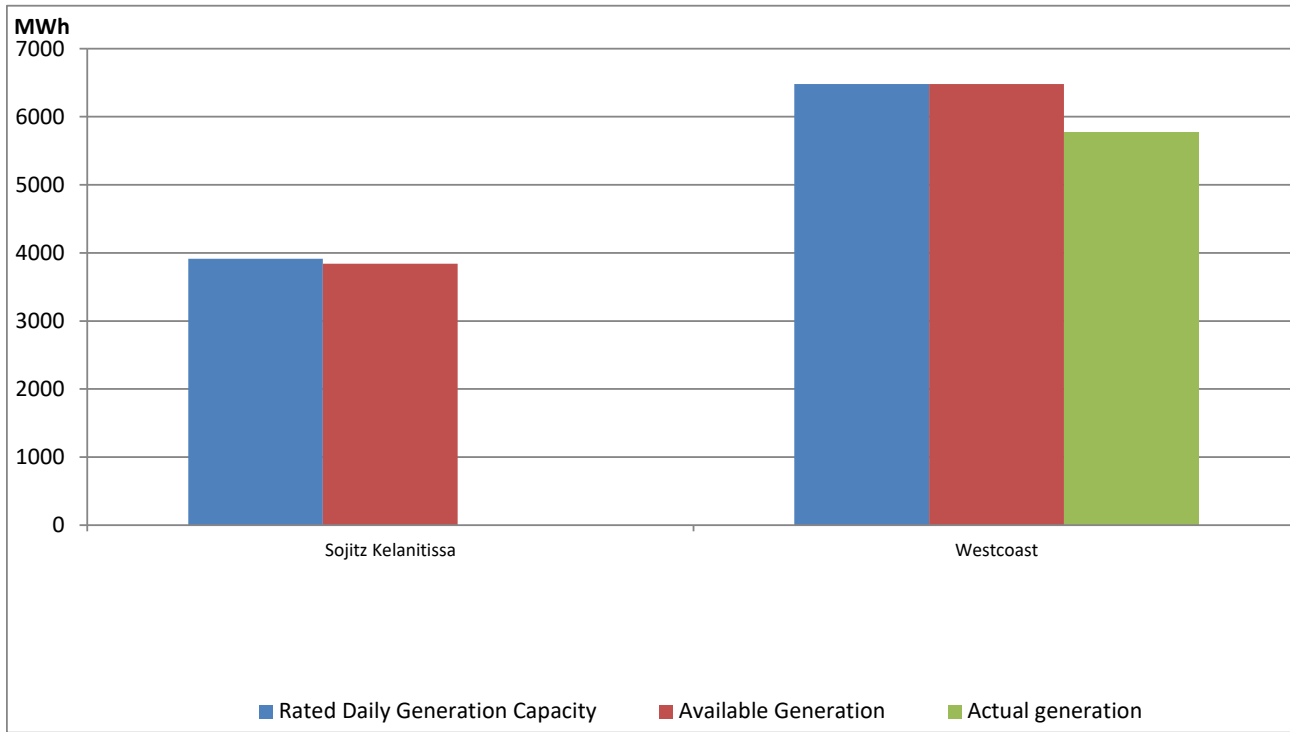
Note- Plant availability is recorded at 6.00 am on

February 5, 2022

## IPP owned Thermal Plant Dispatch

February 4, 2022

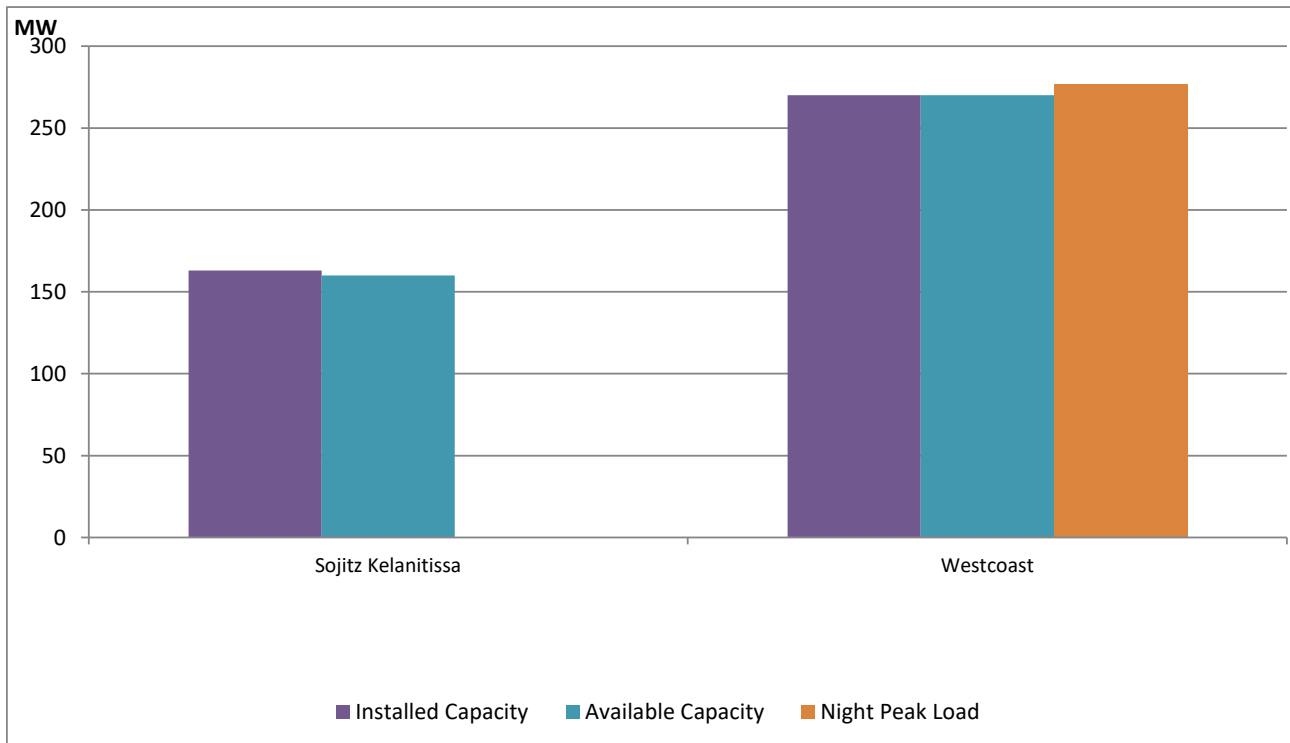
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

February 5, 2022

## IPP owned Thermal Plant Loading at the Night Peak

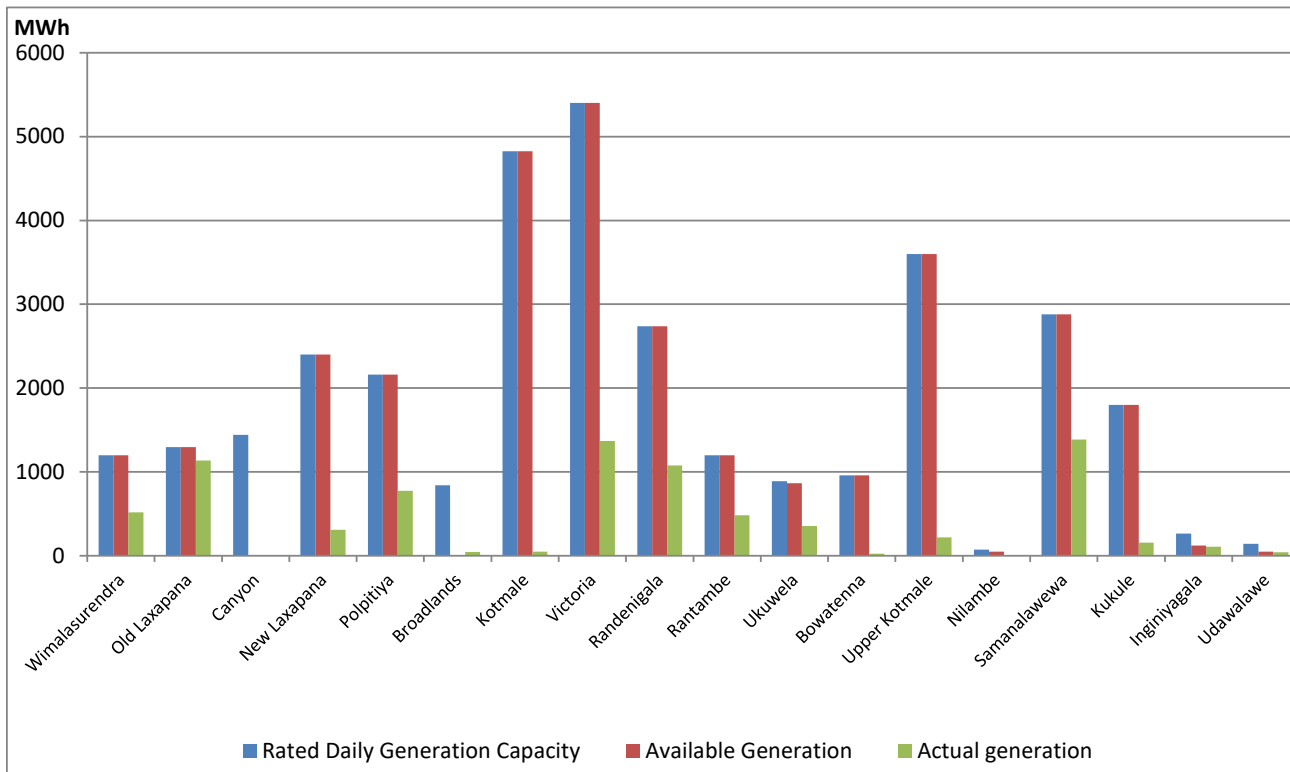


Note- Plant availability is recorded at 6.00 am on

February 5, 2022

## Major Hydro Plant Dispatch

February 4, 2022

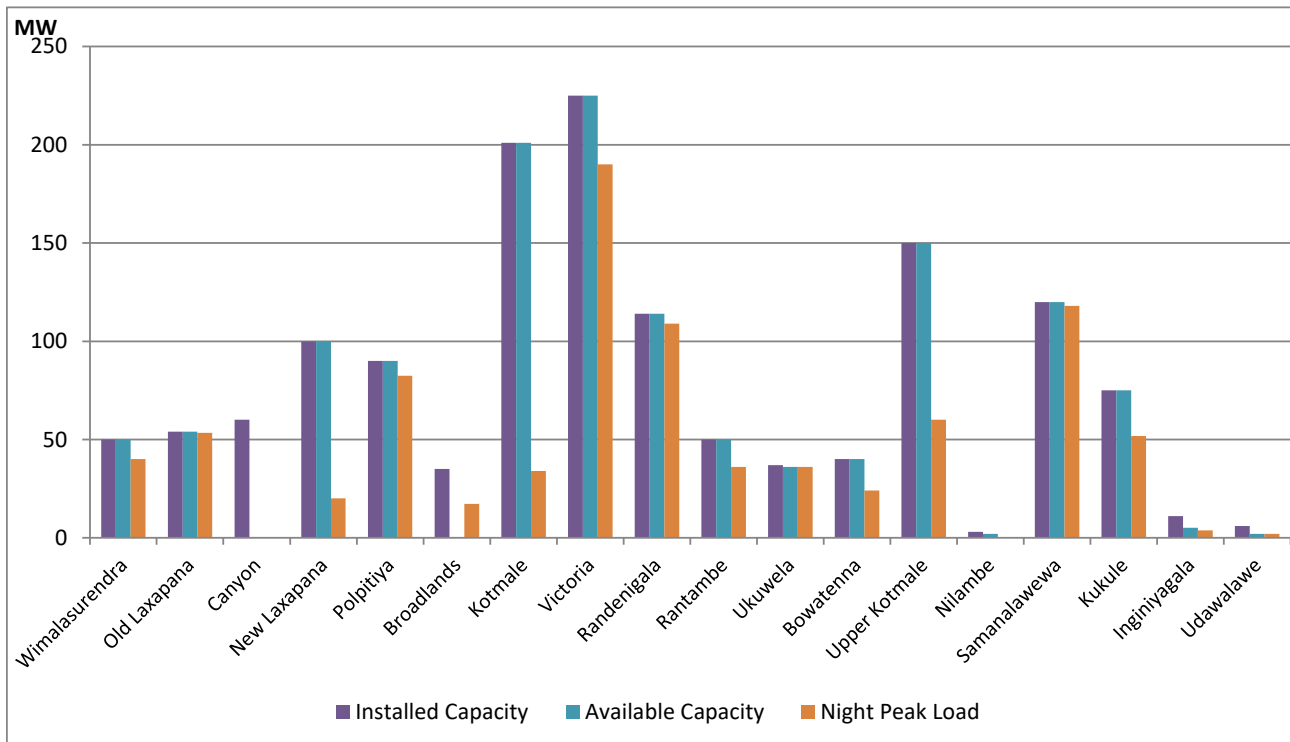


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 5, 2022

## Major Hydro Plant Loading at Night Peak

February 4, 2022



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

February 5, 2022

## Summary of Major Plant performance

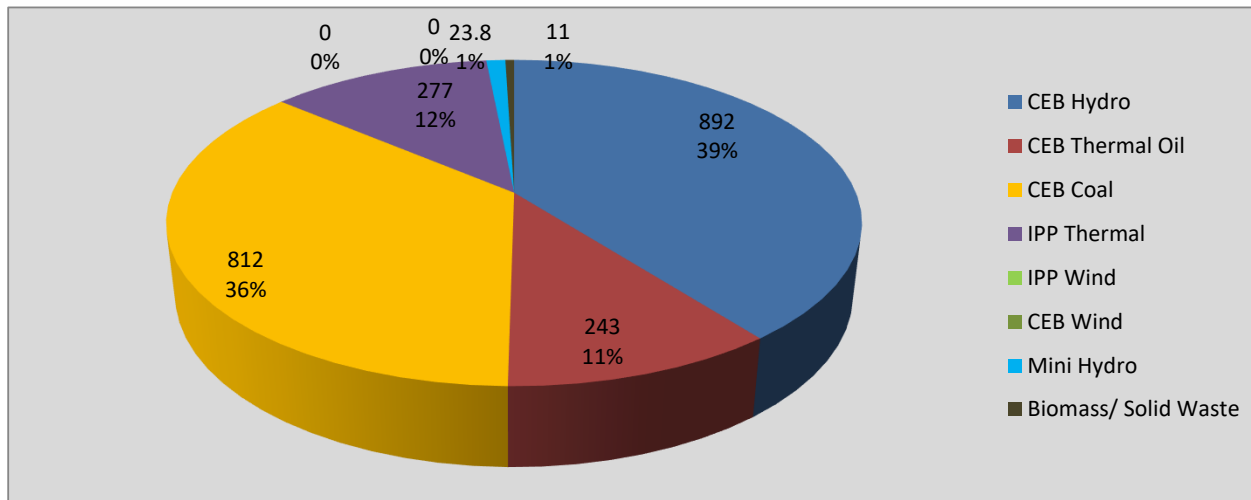
Plant	Installed Capacity (MW)	Plant Availability (MW)	Night peak Load (MW)	Plant Dispatch (MWh)
Wimalasurendra	50	50	40	519
Old Laxapana	54	54	53	1,136
Canyon	60	0	0	0
New Laxapana	100	100	20	311
Polpitiya	90	90	83	776
Broadlands	35	0	17	47
Kotmale	201	201	34	50
Victoria	225	225	190	1,368
Randenigala	114	114	109	1,076
Rantambe	50	50	36	482
Ukuwela	37	36	36	356
Bowatenna	40	40	24	24
Upper Kotmale	150	150	60	218
Nilambe	3	2	0	5
Samanalawewa	120	120	118	1,386
Kukule	75	75	52	158
Inginiyagala	11	5	4	108
Udawalawe	6	2	2	43
Puttalam Coal I	270	270	271	6,509
Puttalam Coal II	270	270	270	6,484
Puttalam Coal III	270	270	271	6,520
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	0	64	269
Sapugaskanda B	70	63	60	1,277
Uthura Janani	26	24	23	184
Barge CEB	60	60	61	790
CEB-Thulhiriya	10	8	8	132
CEB-Kolonnawa	20	15	15	91
CEB-Mathugama	20	12	12	181
Sojitz Kelanitissa	163	160	0	0
West Coast	270	270	277	5,766
Total	3,280	2,736	2,244	37,707

Plant availability is the availability recorded at 6 am on

February 5, 2022

# Contribution to the Night Peak in MW

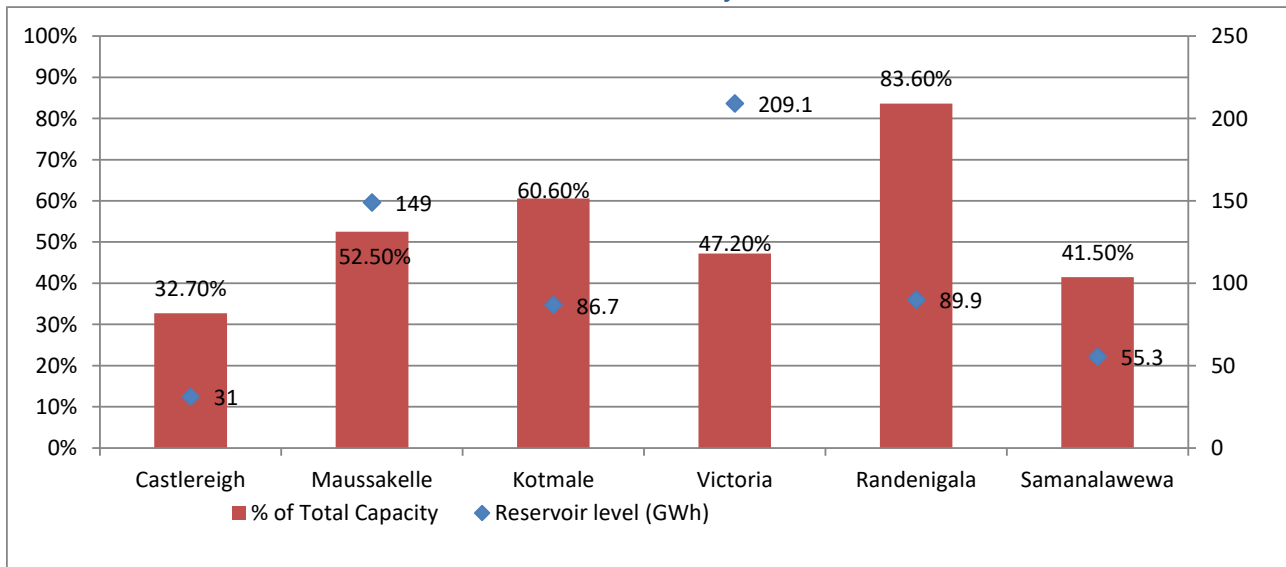
February 4, 2022



Night Peak*	2,258.4 MW
Day Peak	1,497.3 MW
Minimum Demand	1,343.9 MW

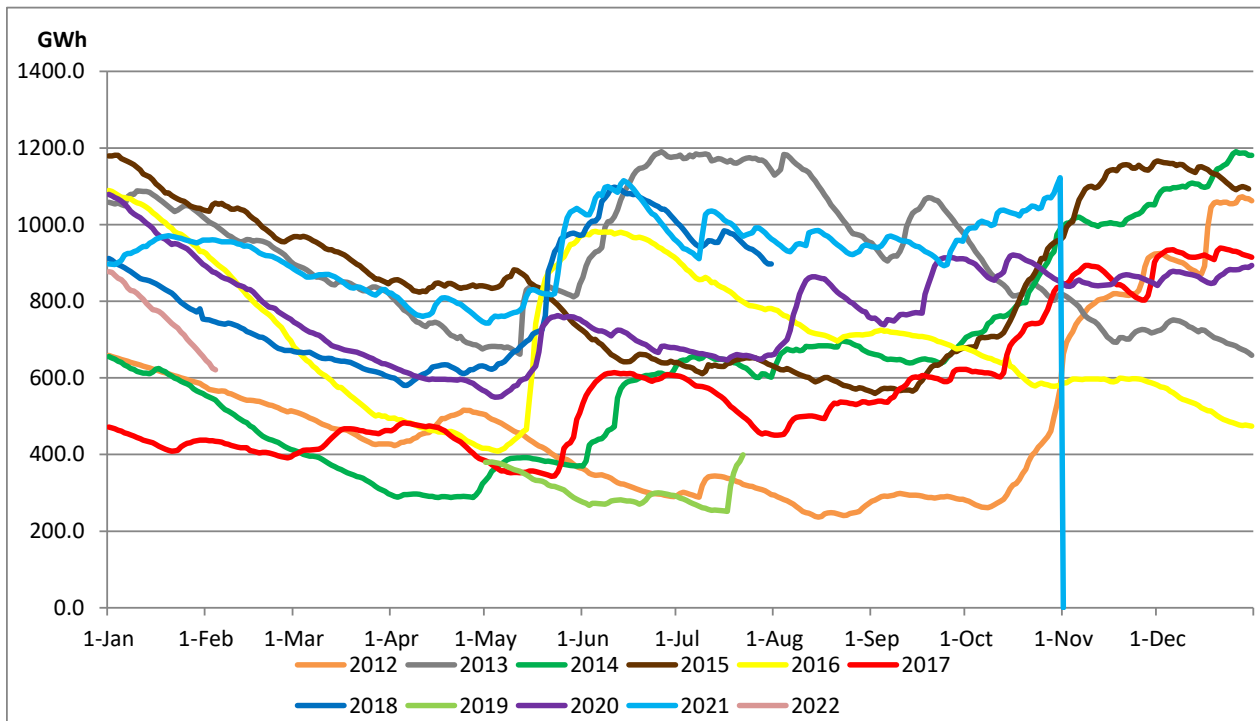
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on February 5, 2022



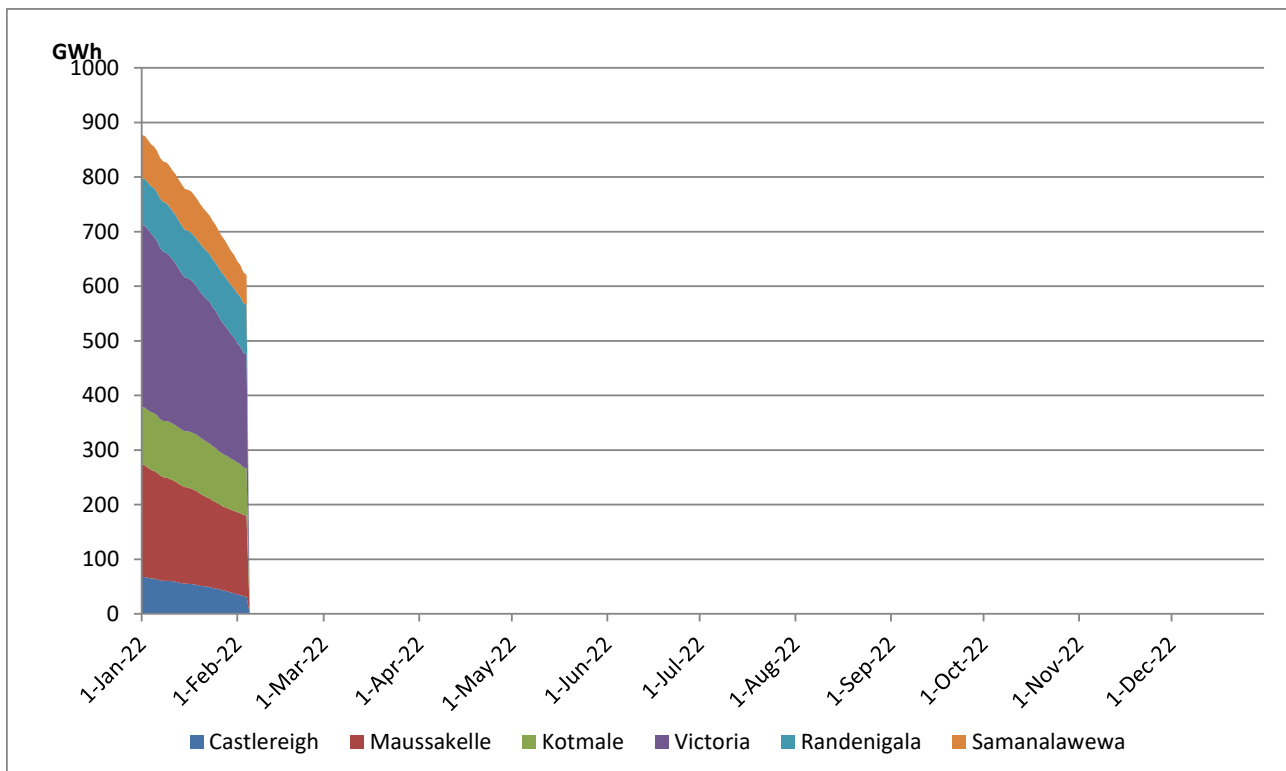
Total Reservoir Level(GWh)	621
% of Total capacity	53.0%

## Comparison of Total Reservoir Storage Levels with Past Years



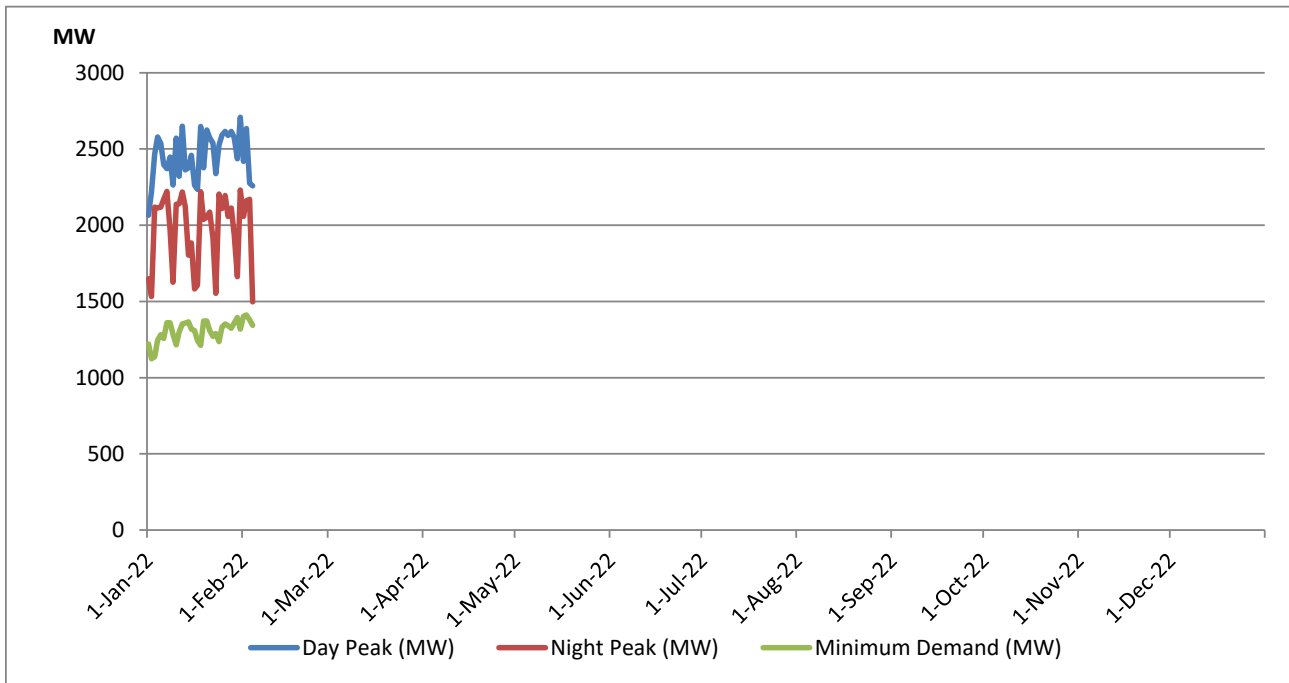
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

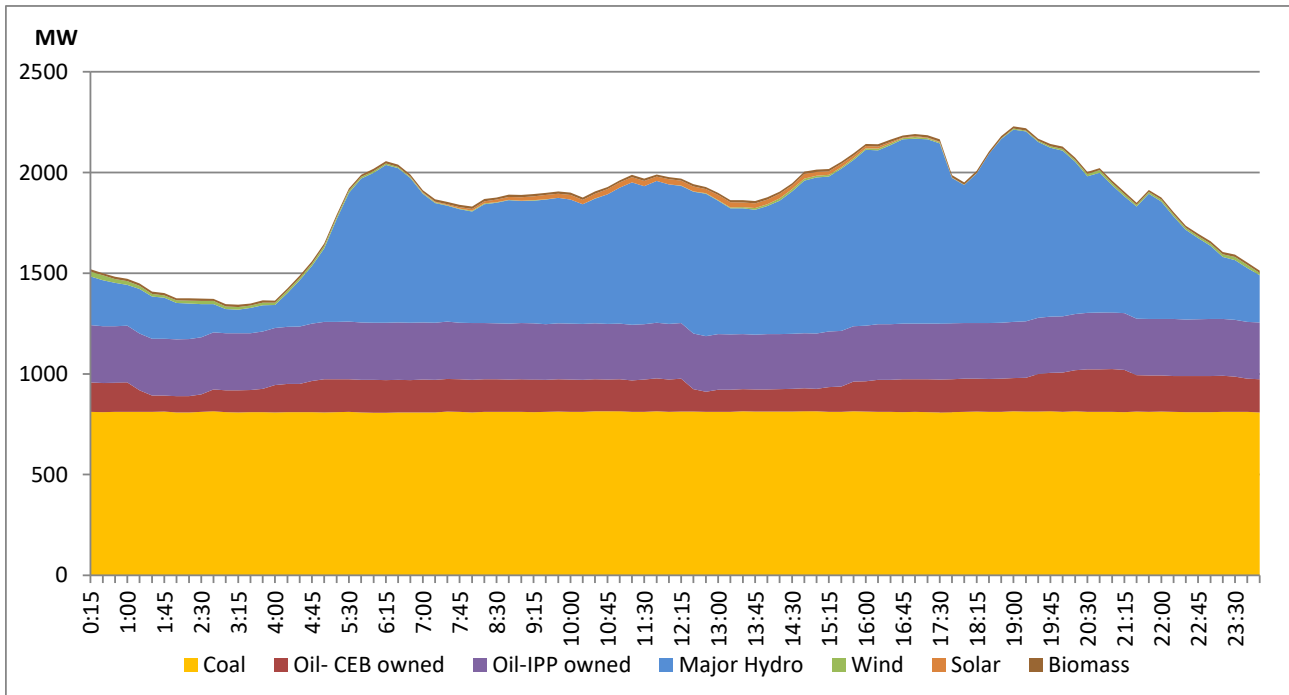


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

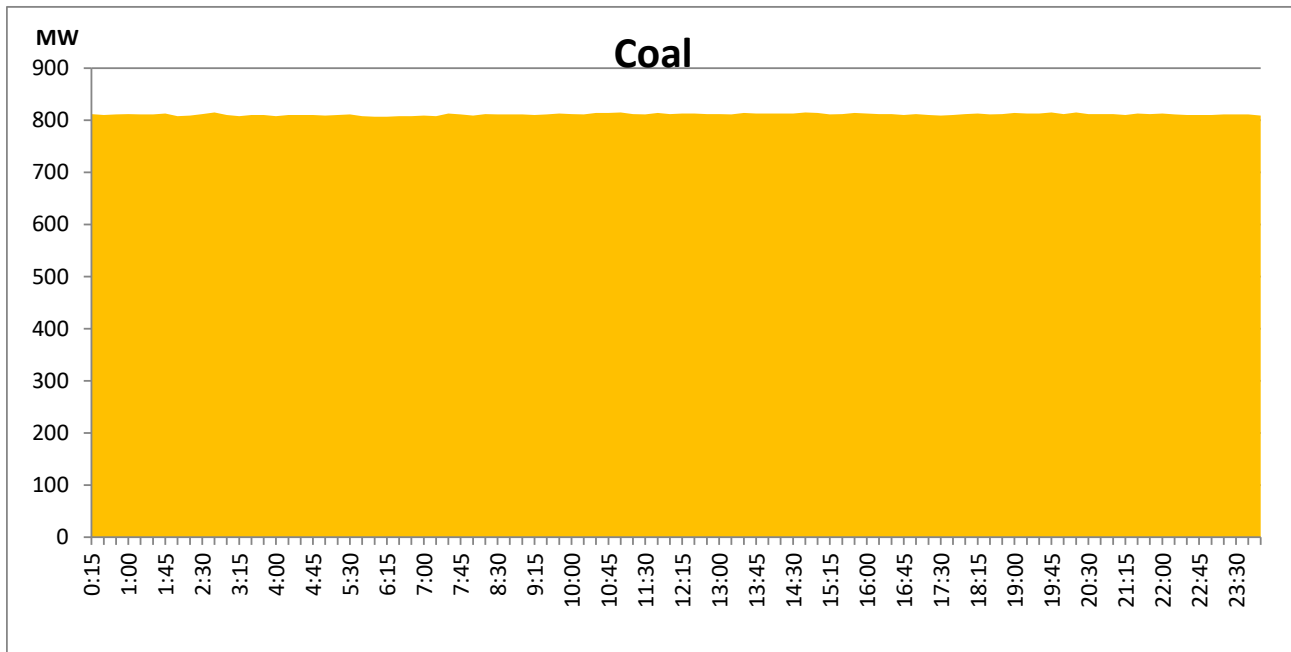
February 3, 2022

Solar and wind data is based on Telemetered Power Stations only



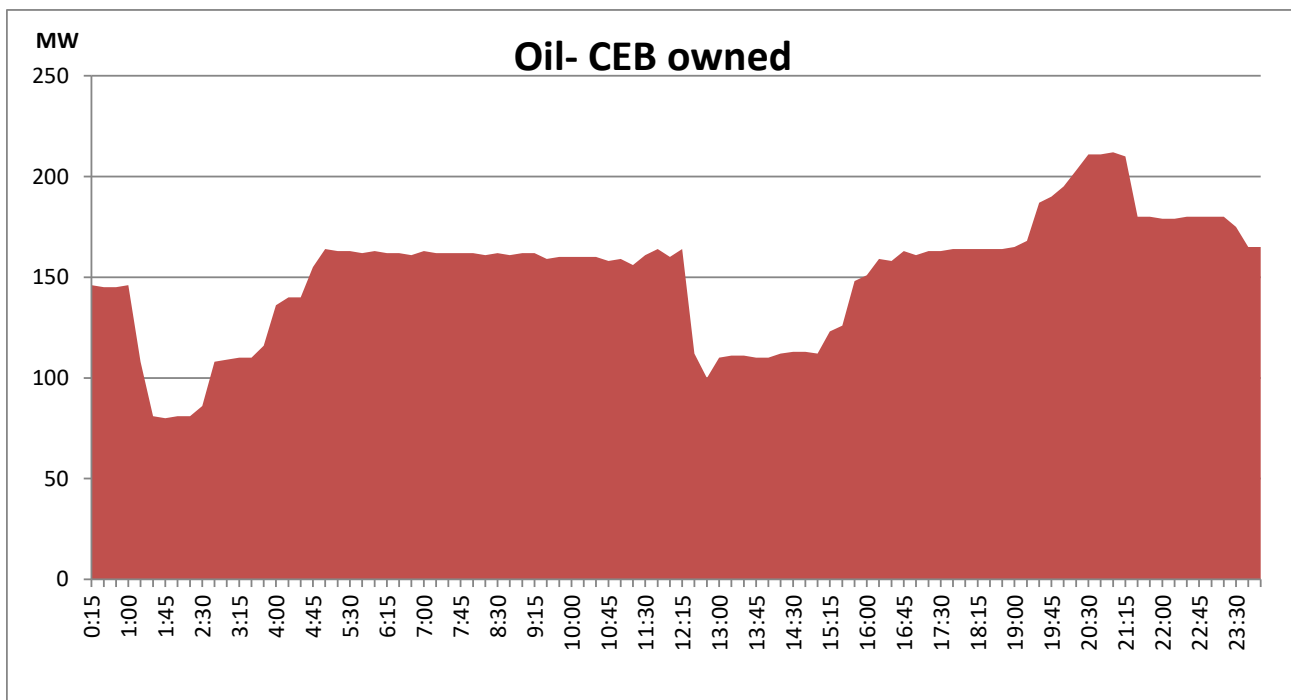
## Coal Generation during the Previous day

February 3, 2022



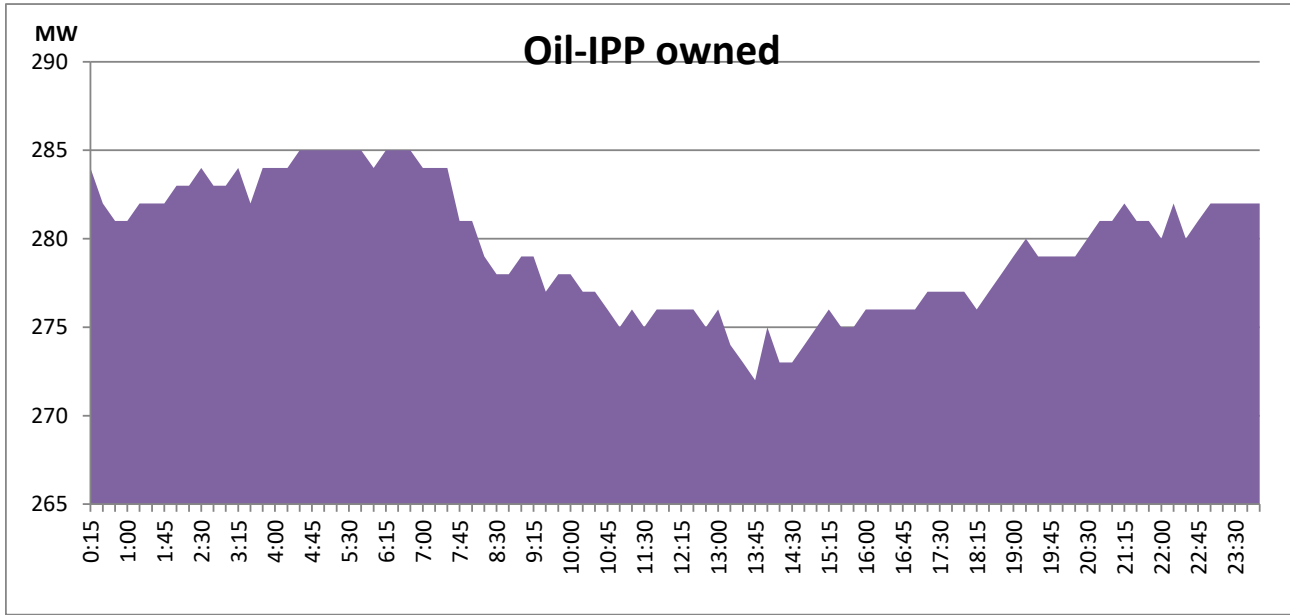
## CEB Oil Plant Generation during the Previous day

February 3, 2022



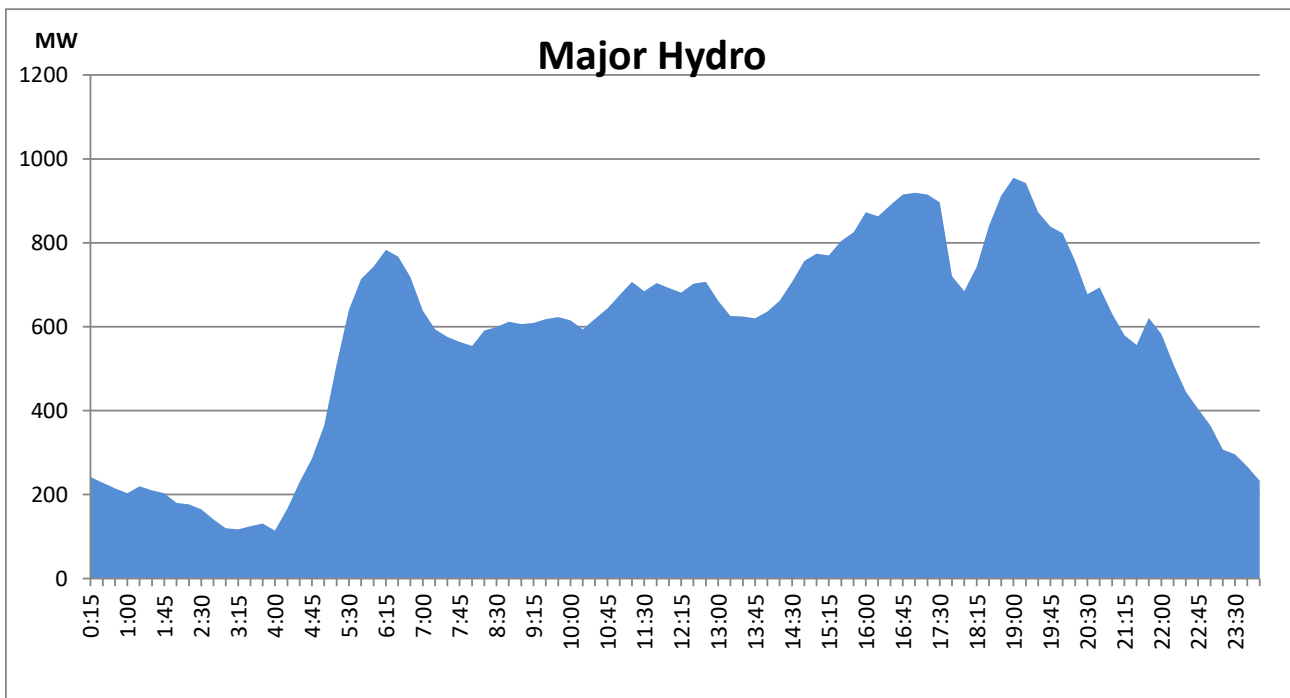
## IPP Oil Plant Generation during the Previous day

February 3, 2022



## Major Hydro Generation during the Previous day

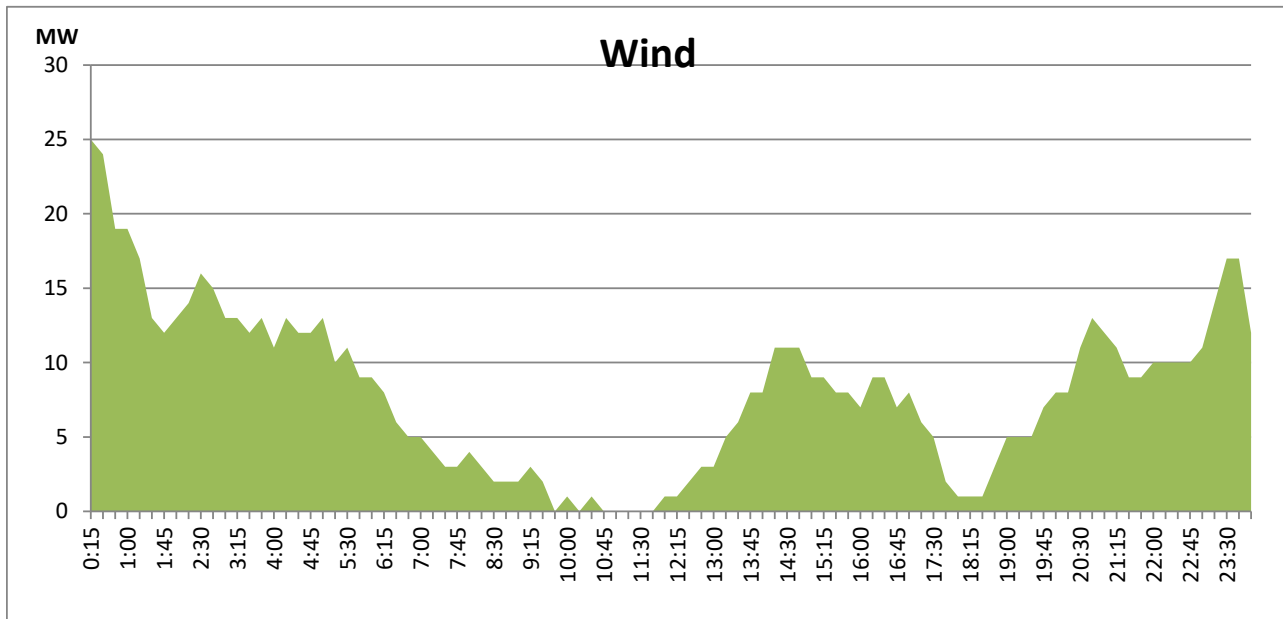
February 3, 2022



## Wind Generation during the Previous day

February 3, 2022

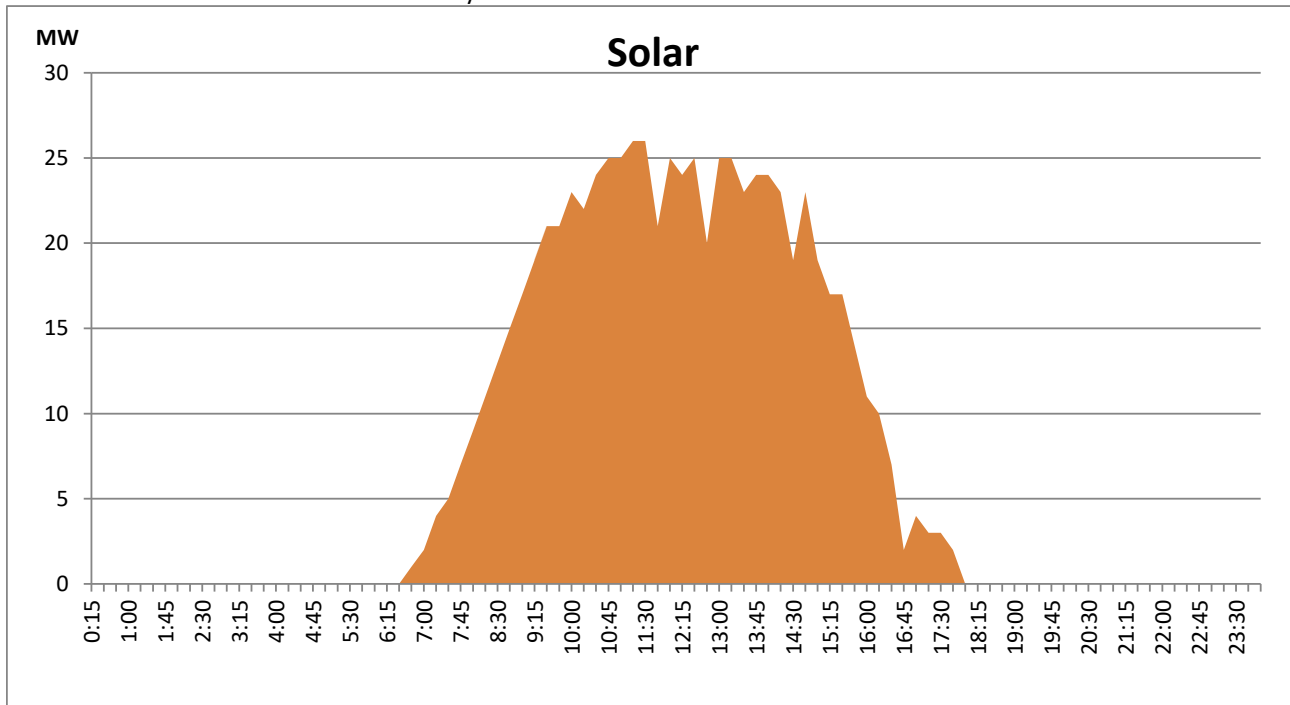
Based on Telemetered Power Stations only



## Solar Generation during the Previous day

February 3, 2022

Based on Telemetered Power Stations only



## 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	Naptha & Diesel
Lakvijaya 1	Coal
Lakvijaya 2	Coal
Lakvijaya 3	Coal
Uthuru Janani	Heavy Fuel
Barge CEB	Furnace Oil

Power Station	Primary Fuel
Private Thermal	
Sojitz - Kelanitissa	Auto Diesel
West Coast	Low Sulphur Furnace oil

## Major Incidents during the day -as reported by CEB morning of

February 5, 2022

Nilan Hemachandra

System Control Engineer

(1) - Excluding energy contribution from Roof Top Solar, 1MW solar, certain Mini Hydro plants and Biomass plants

(2) - Excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants, Mini Hydro plants and Biomass plants

(3) - Including data from 26 number of telemetered mini hydro plants (MHP) having total Installed Capacity of 129MW.

(4) - Randenigala MOL has been revised to 209 masl from 199.5 masl and Samanalawewa Spill level has been revised to 455 masl from 460 masl with effect from 01 st. Feb. 2018 considering reservoir operation restrictions.

(5)- Percentage of the total capacity of Vict and Koth storage is calculated by considering downstream reservoir storage