

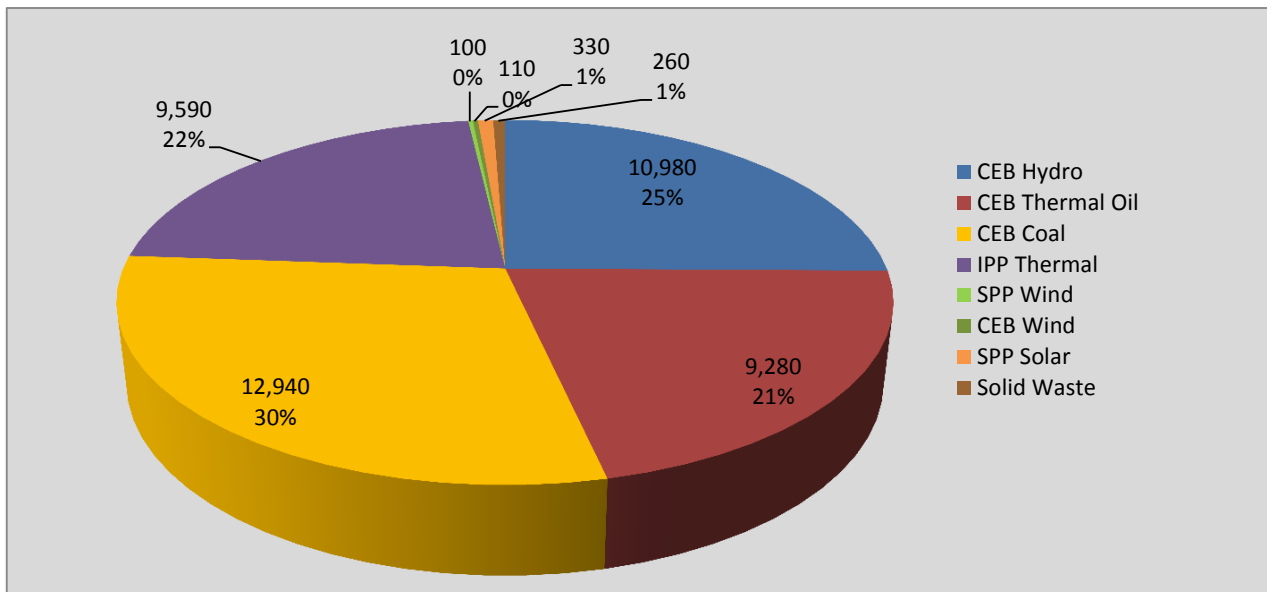
# **Generation and Reservoirs Statistics**

**January 21, 2022**



**PUBLIC UTILITIES COMMISSION OF SRI LANKA**

## Daily Generation Mix in MWh



**Total Generation** **43,590 MWh**

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

## Cumulative Dispatch

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

### For Current Month

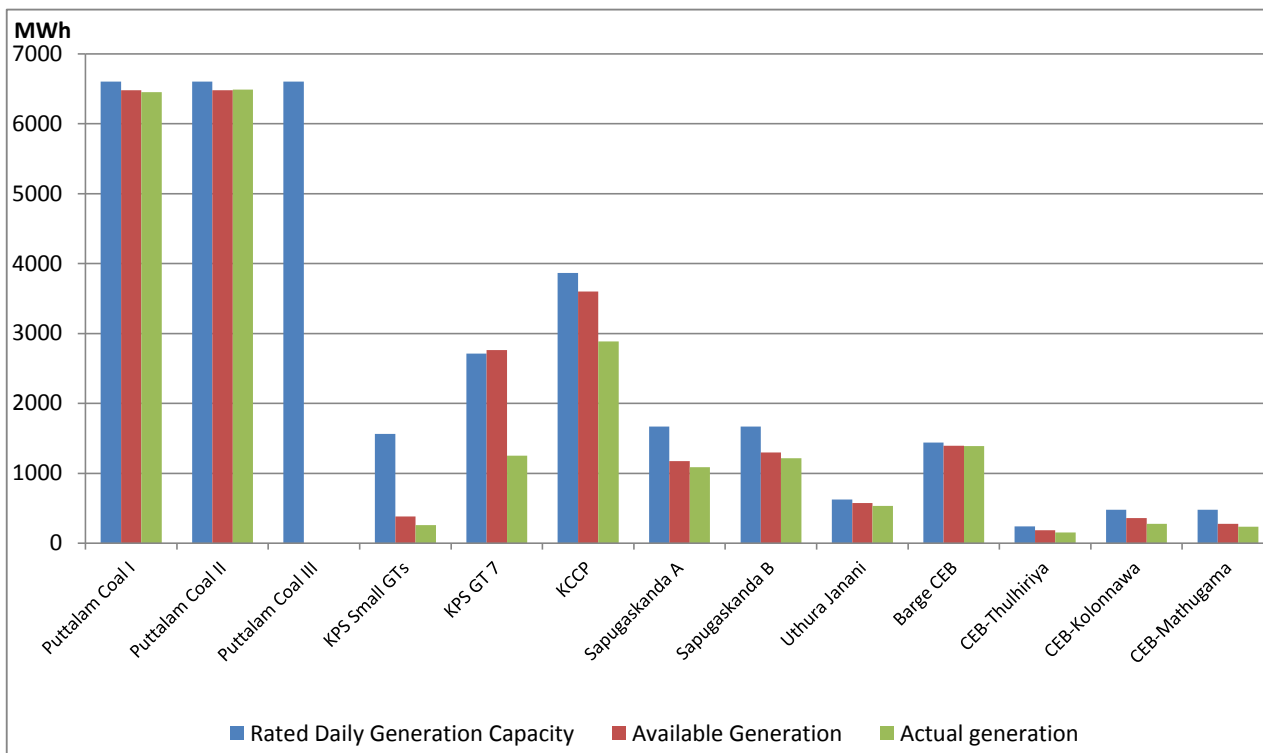
Category	Dispatch (GWh)	Percentage
CEB Hydro	287.0	32.60%
CEB Thermal Oil	149.6	17.00%
CEB Coal	272.6	30.97%
IPP Thermal	134.9	15.32%
SPP Wind	11.6	1.32%
CEB Wind	13.9	1.58%
SPP Solar	5.3	0.60%
SPP Solid Waste	5.4	0.62%
<b>Total</b>	<b>880.3</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	287.0	32.60%
CEB Thermal Oil	149.6	17.00%
CEB Coal	272.6	30.97%
IPP Thermal	134.9	15.32%
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SPP Solar	5.3	0.60%
SPP Waste Heat	5.4	0.62%
<b>Total</b>	<b>880.3</b>	

## CEB owned Thermal Plant Dispatch

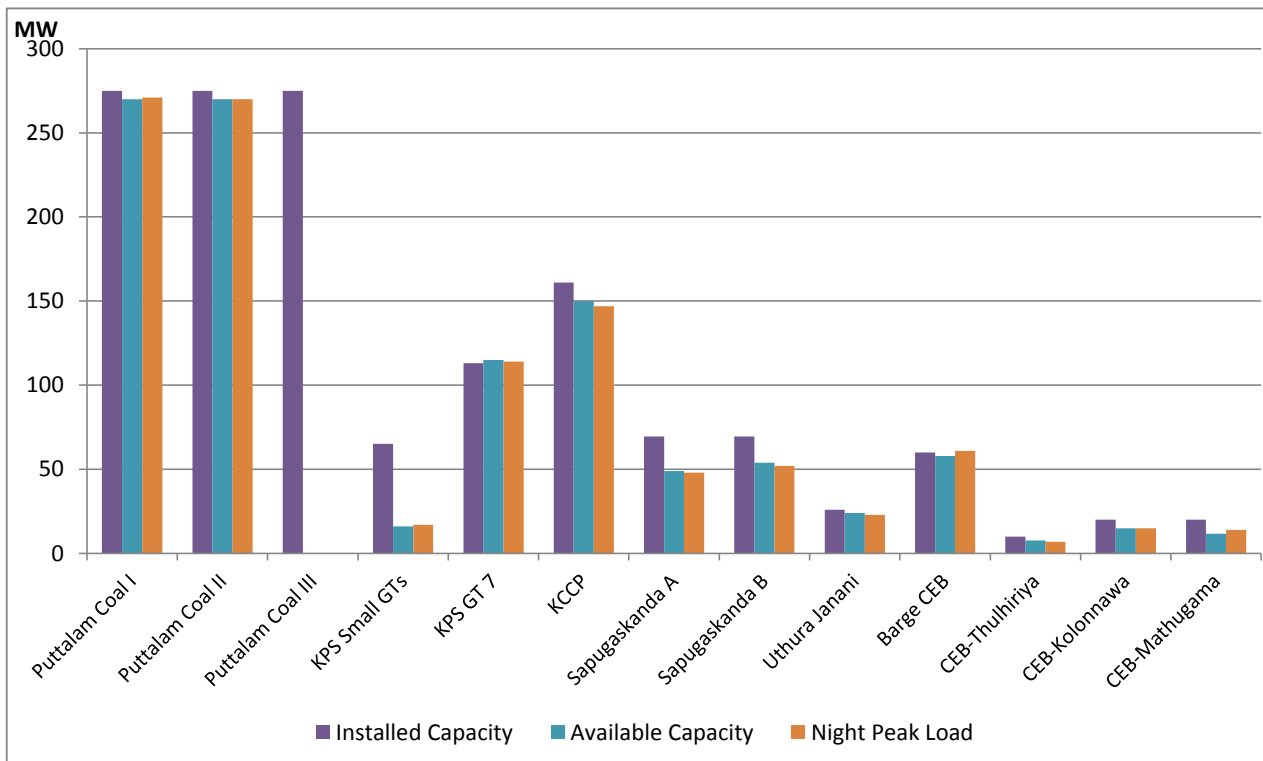
January 21, 2022



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

January 22, 2022

## CEB owned Thermal Plant Loading at the Night Peak



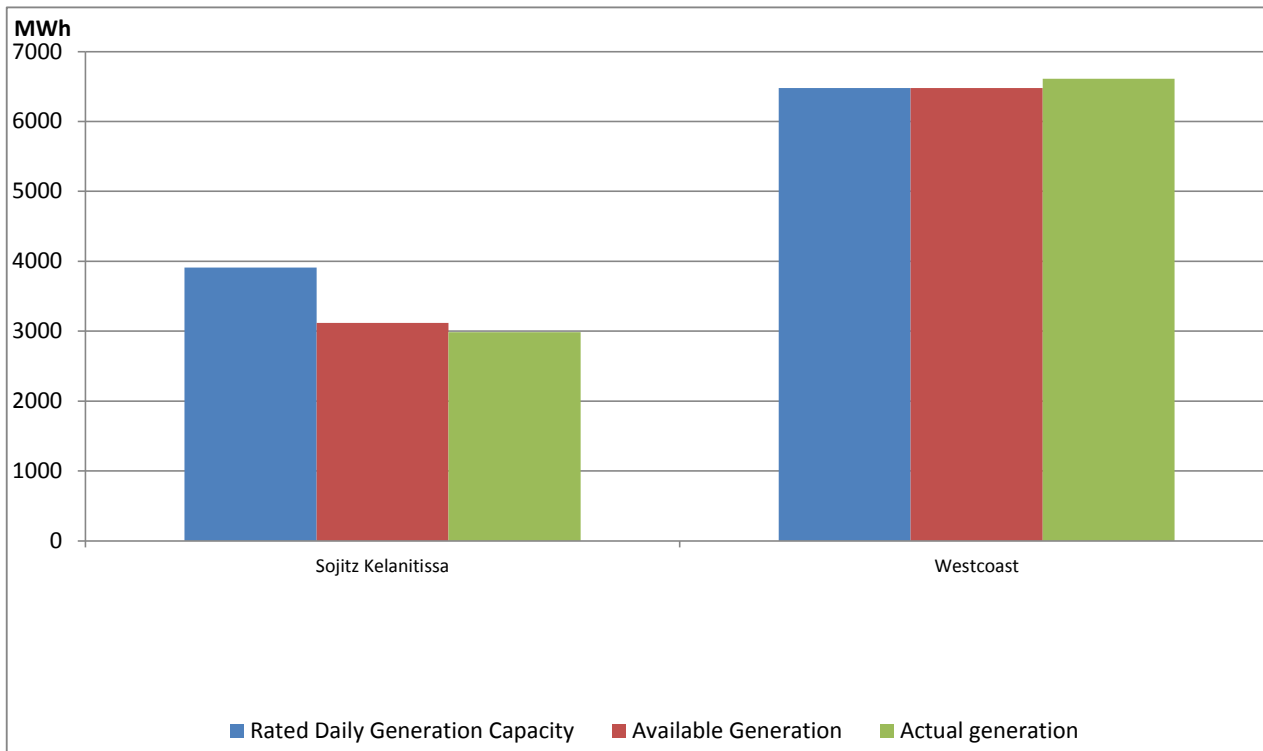
Note- Plant availability is recorded at 6.00 am on

January 22, 2022

## IPP owned Thermal Plant Dispatch

January 21, 2022

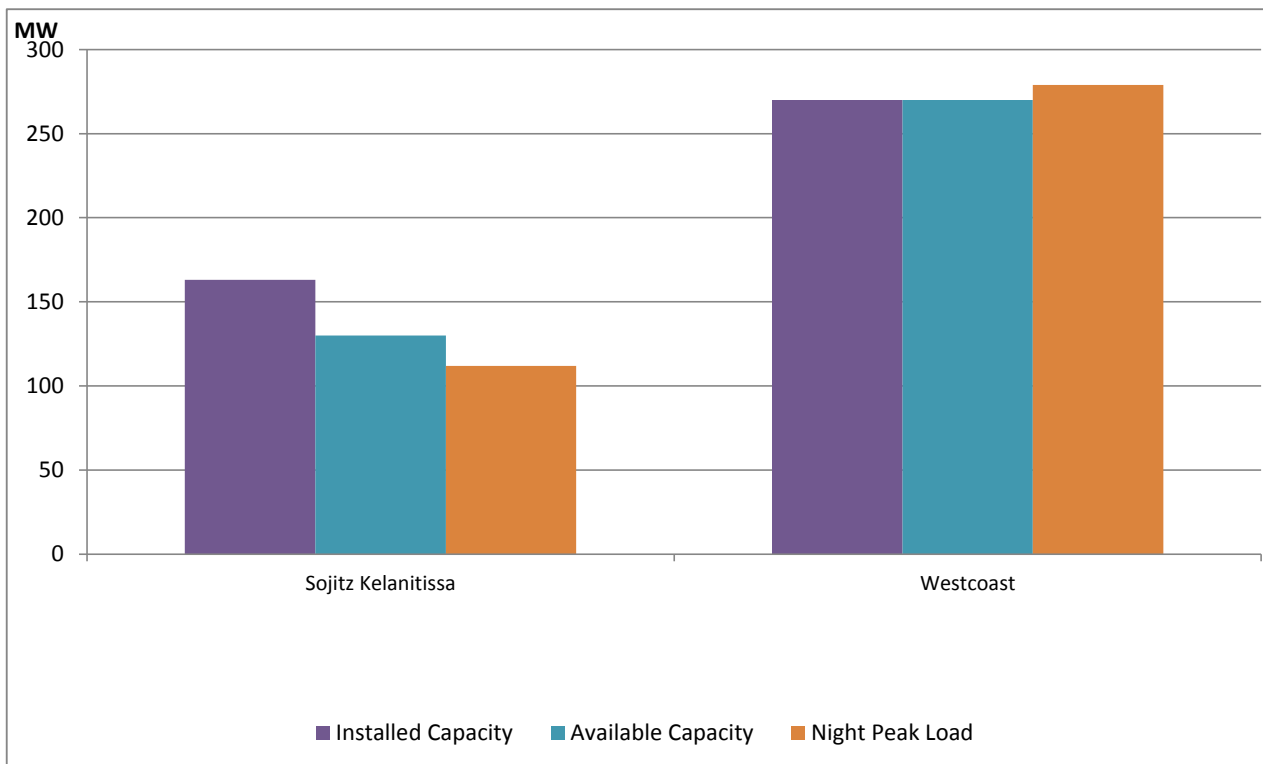
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

January 22, 2022

## IPP owned Thermal Plant Loading at the Night Peak

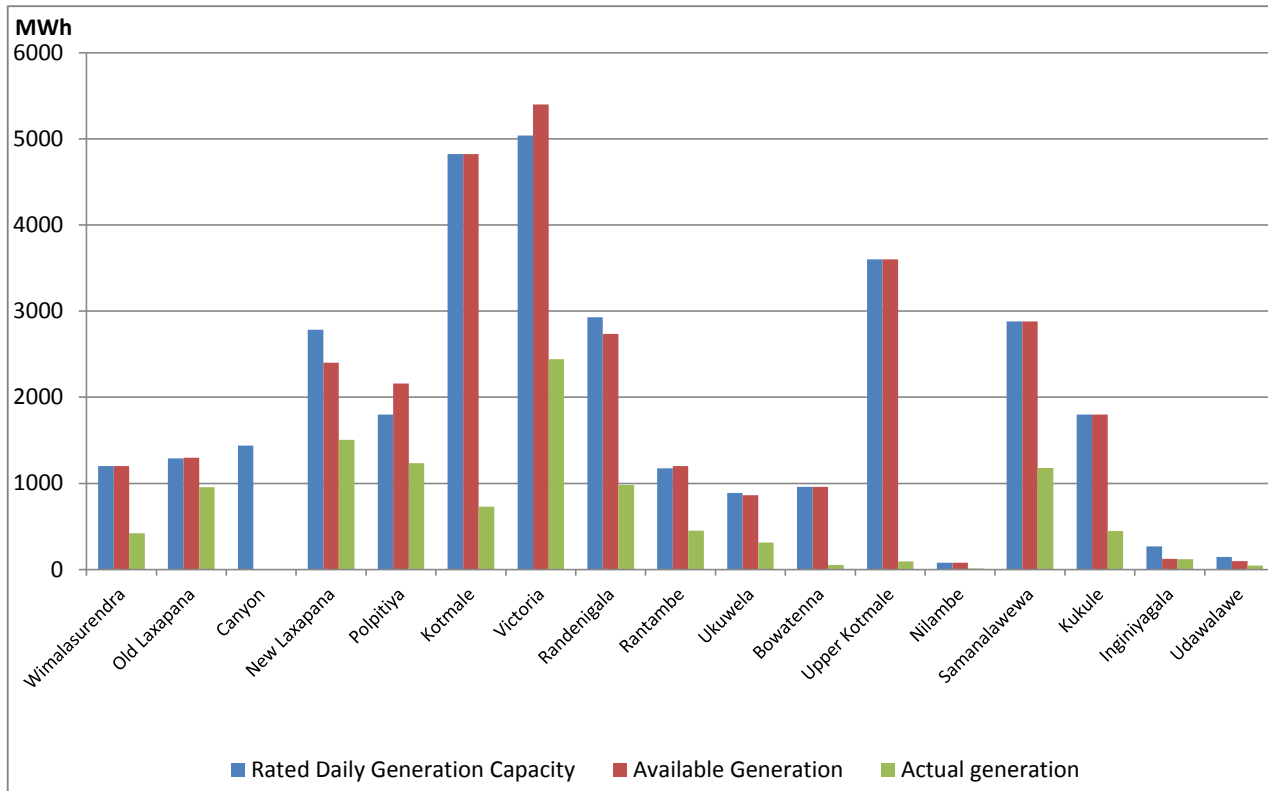


Note- Plant availability is recorded at 6.00 am on

January 22, 2022

## Major Hydro Plant Dispatch

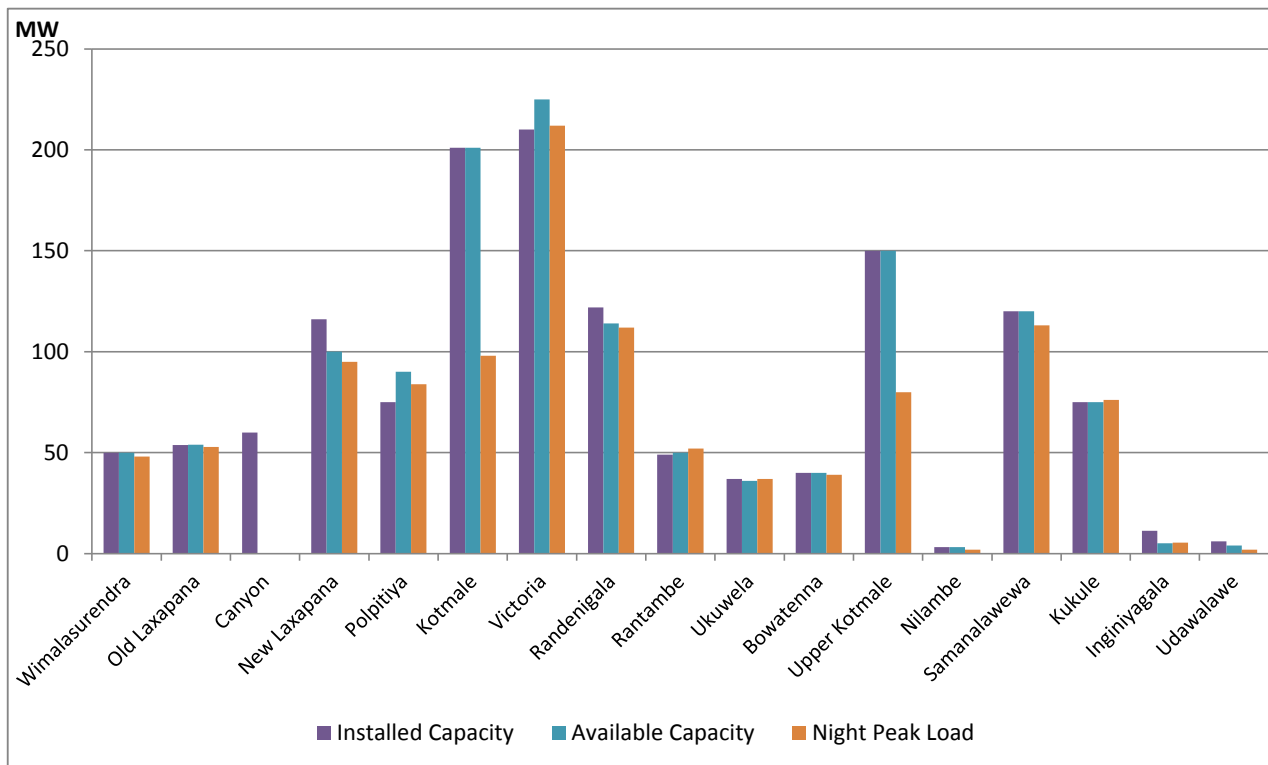
January 21, 2022



Note- Available Generation is estimated based on plant availability at 6.00am on January 22, 2022

## Major Hydro Plant Loading at Night Peak

January 21, 2022



Note- Plant availability is recorded at 6.00 am on January 22, 2022

Summary of Major Plant performance

Plant	Installed Capacity (MW)	Plant Availability (MW)	Night peak Load (MW)	Dispatch (GWh)
Wimalasurendra	50.00	50.00	48.00	422.00
Old Laxapana	53.80	54.00	52.80	955.00
Canyon	60.00	-	-	-
New Laxapana	116.00	100.00	95.00	1,505.00
Polpitiya	75.00	90.00	83.90	1,234.00
Kotmale	201.00	201.00	98.00	730.00
Victoria	210.00	225.00	212.00	2,440.00
Randenigala	122.00	114.00	112.00	980.00
Rantambe	49.00	50.00	52.00	451.00
Ukuwela	37.00	36.00	37.00	311.00
Bowatenna	40.00	40.00	39.00	53.00
Upper Kotmale	150.00	150.00	80.00	92.00
Nilambe	3.20	3.20	2.00	11.00
Samanalawewa	120.00	120.00	113.00	1,180.00
Kukule	75.00	75.00	76.10	445.00
Inginiyagala	11.25	5.10	5.40	121.00
Udawalawe	6.00	4.00	2.00	44.00
Puttalam Coal I	275.00	270.00	271.00	6,451.00
Puttalam Coal II	275.00	270.00	270.00	6,487.00
Puttalam Coal III	275.00	-	-	-
KPS Small GTs	65.20	16.00	17.00	259.00
KPS GT 7	113.00	115.00	114.00	1,250.00
KCCP	161.00	150.00	147.00	2,884.00
Sapugaskanda A	69.60	49.00	48.00	1,085.00
Sapugaskanda B	69.60	54.00	52.00	1,215.00
Uthura Janani	26.01	24.00	23.00	534.00
Barge CEB	60.00	58.00	61.00	1,387.00
CEB-Thulhiriya	10.00	7.70	7.00	155.00
CEB-Kolonnawa	20.00	15.00	15.00	278.00
CEB-Mathugama	20.00	11.60	14.00	234.00
Sojitz Kelanitissa	163.00	130.00	112.00	2,985.00
Westcoast	270.00	270.00	279.00	6,610.00
Vpower-Valach.	24.00	-	-	-
Solar	68.00		-	334.00
Wind	248.00		0.30	209.00
MH and BM	441.00		26.50	Not available
Total without NCRE	3,538.46	2,757.60		

Night peak load of MH and BM only include loading of Minihydro plants of total capacity MW

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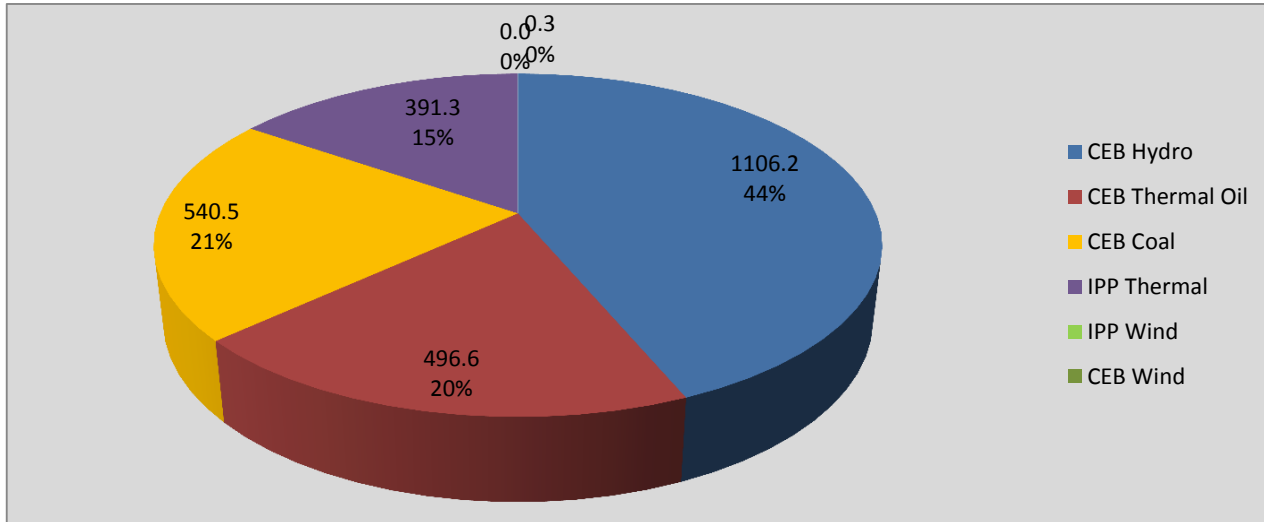
Installed capacity of Solar, wind, Mini-hydro and Biomass plants are as of end of December 2019

Plant availability is the availability recorded at 6 am on

January 22, 2022

## Contribution to the Night Peak in MW

January 21, 2022

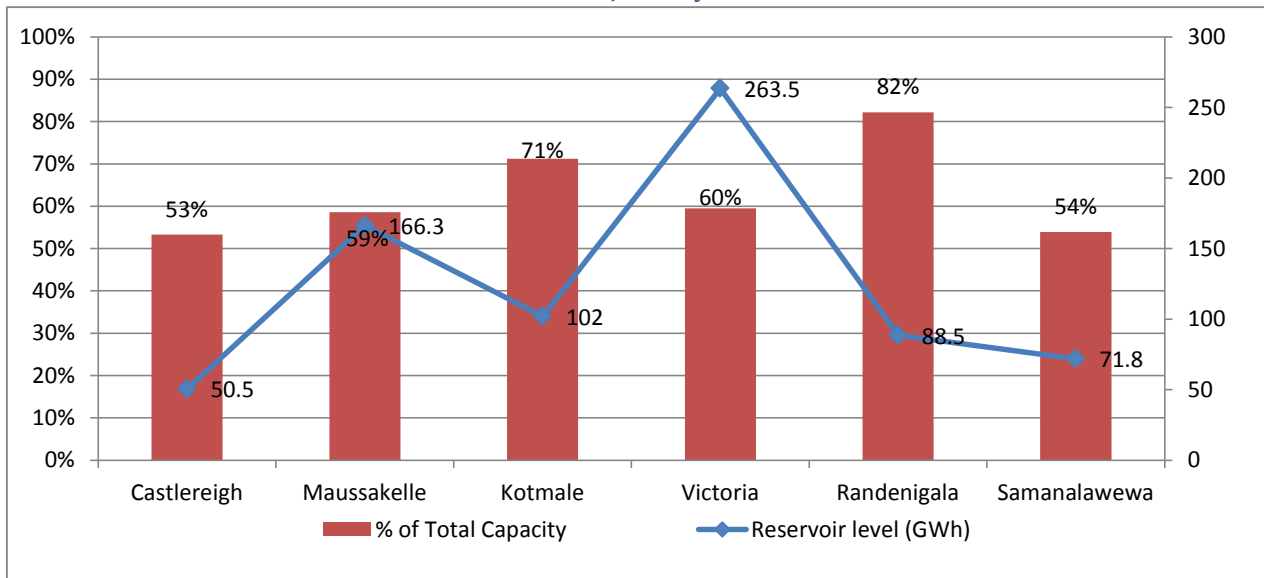


Night Peak*	2,534.9 MW
Day Peak	2,087.1 MW
Minimum Demand	1,309.1 MW

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

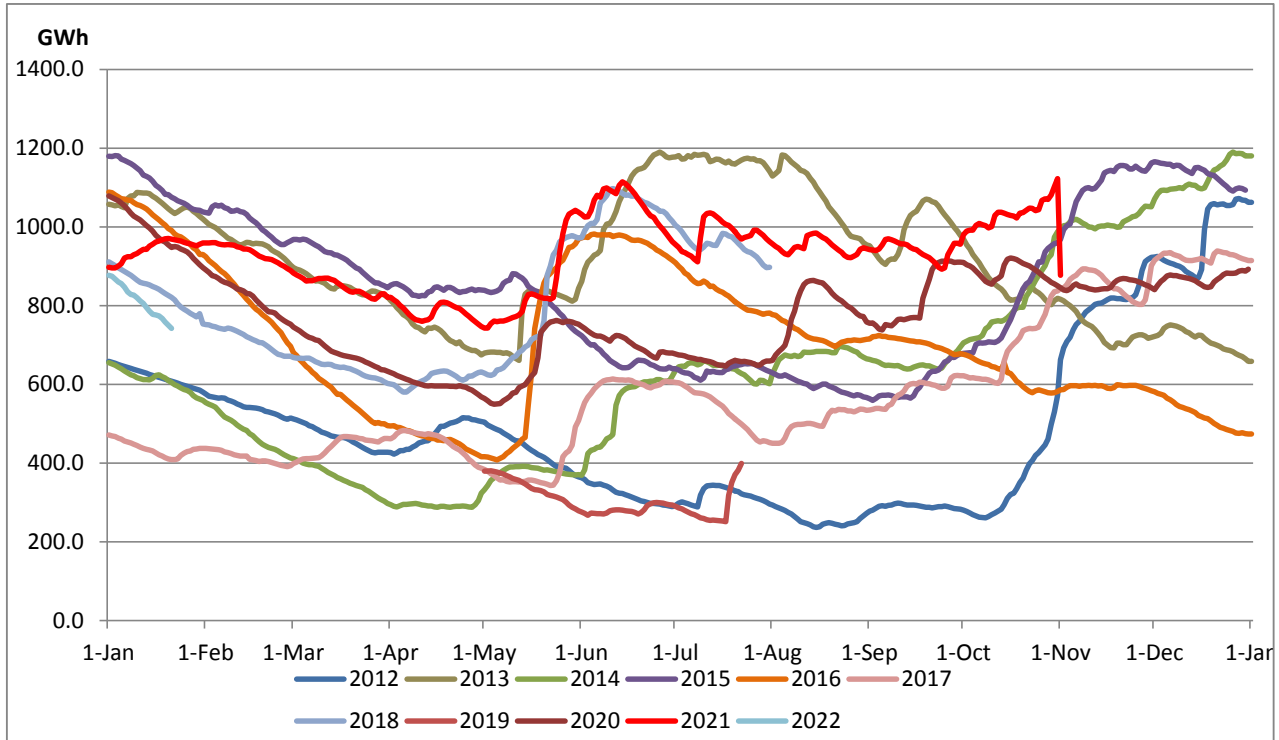
\* in addition to the night peak figure presented above, Kerawalapitiya solid waste plant and 26 no. of MiniHydro Plants has contributed 37.80 MW to the night peak

## Reservoir Levels - as at 06.00 Hr on January 22, 2022



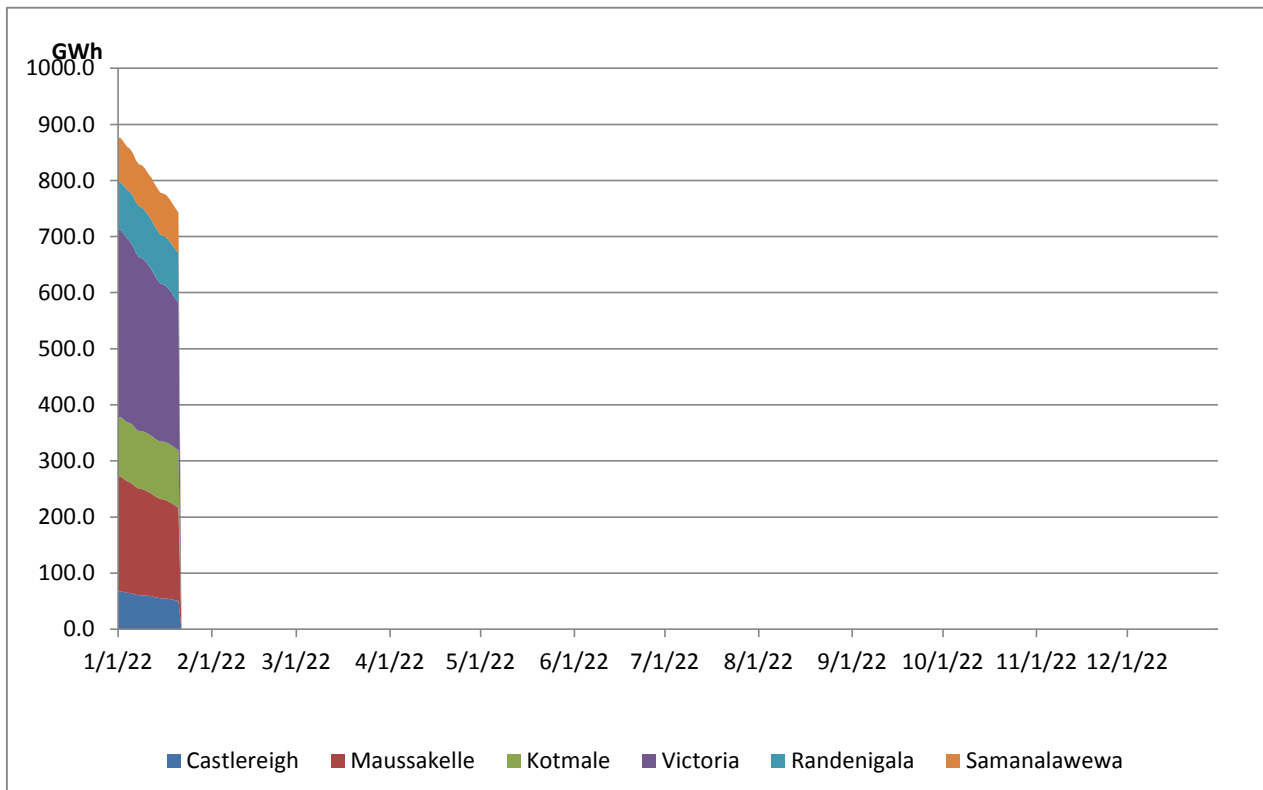
Total Reservoir Level(GWh)	742.6
% of Total capacity	61.6%

## Comparison of Total Reservoir Storage Levels with Past Years



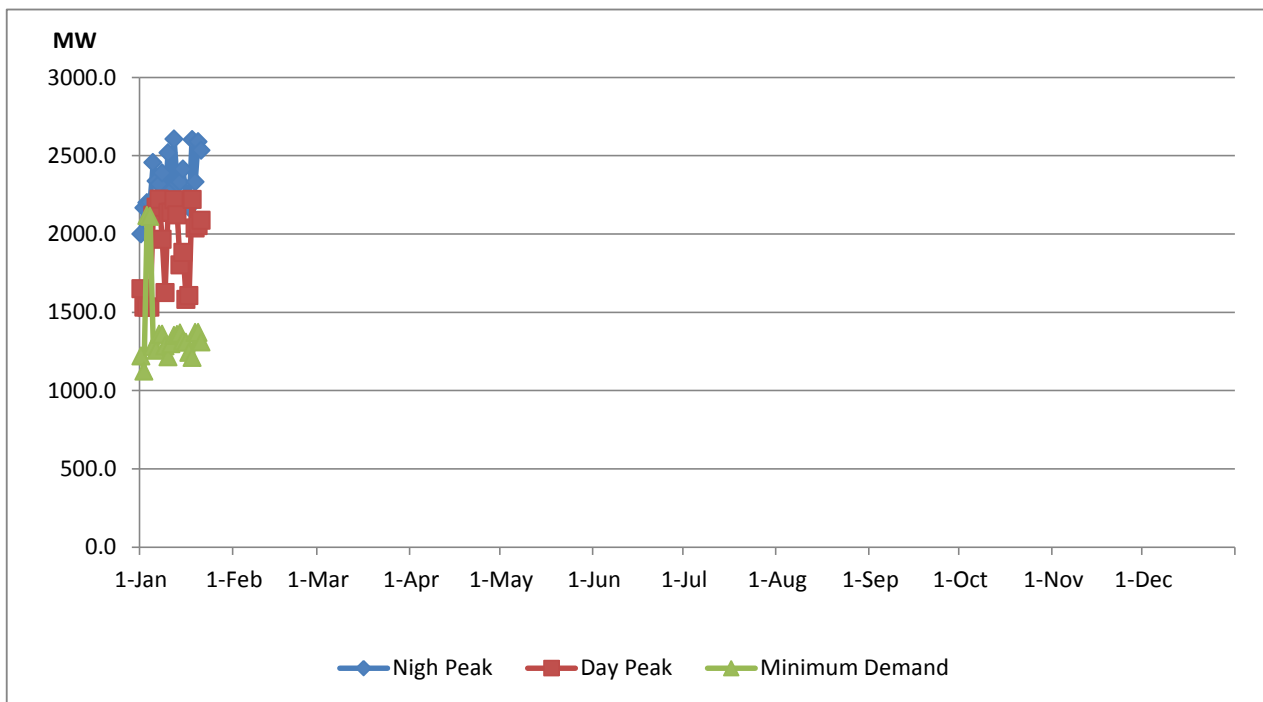
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

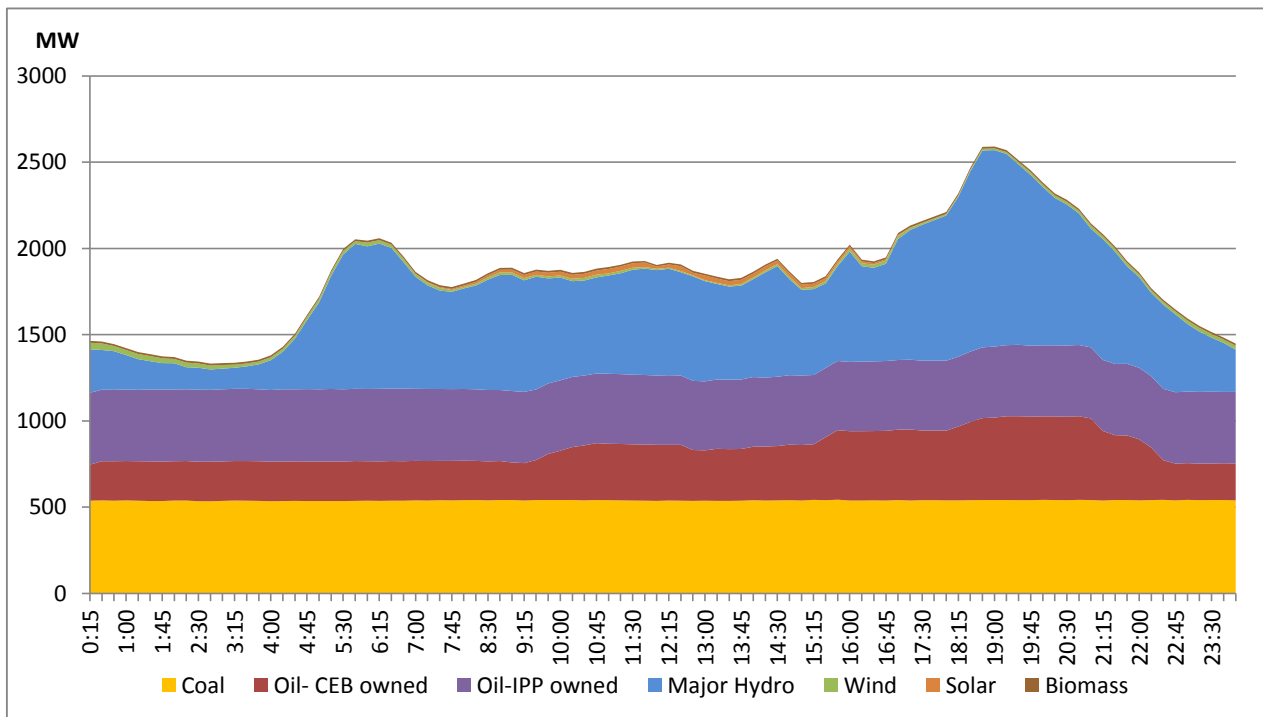


as: The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

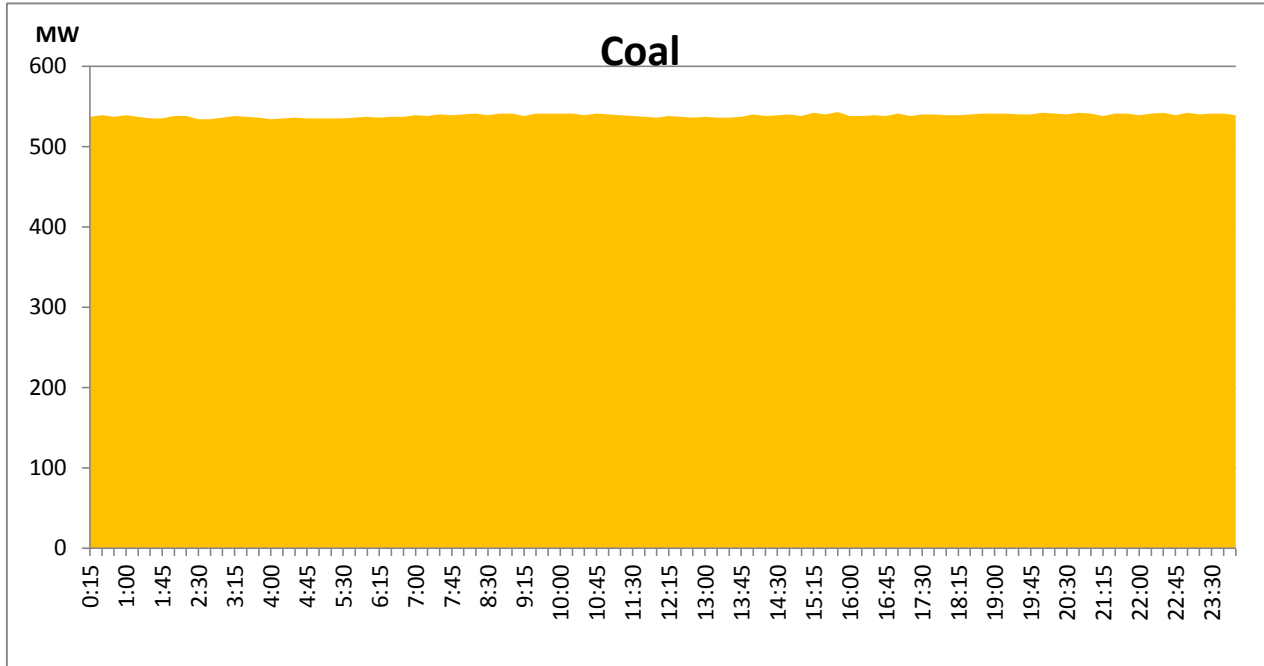
January 20, 2022

Solar and wind data is based on Telemetered Power Stations only



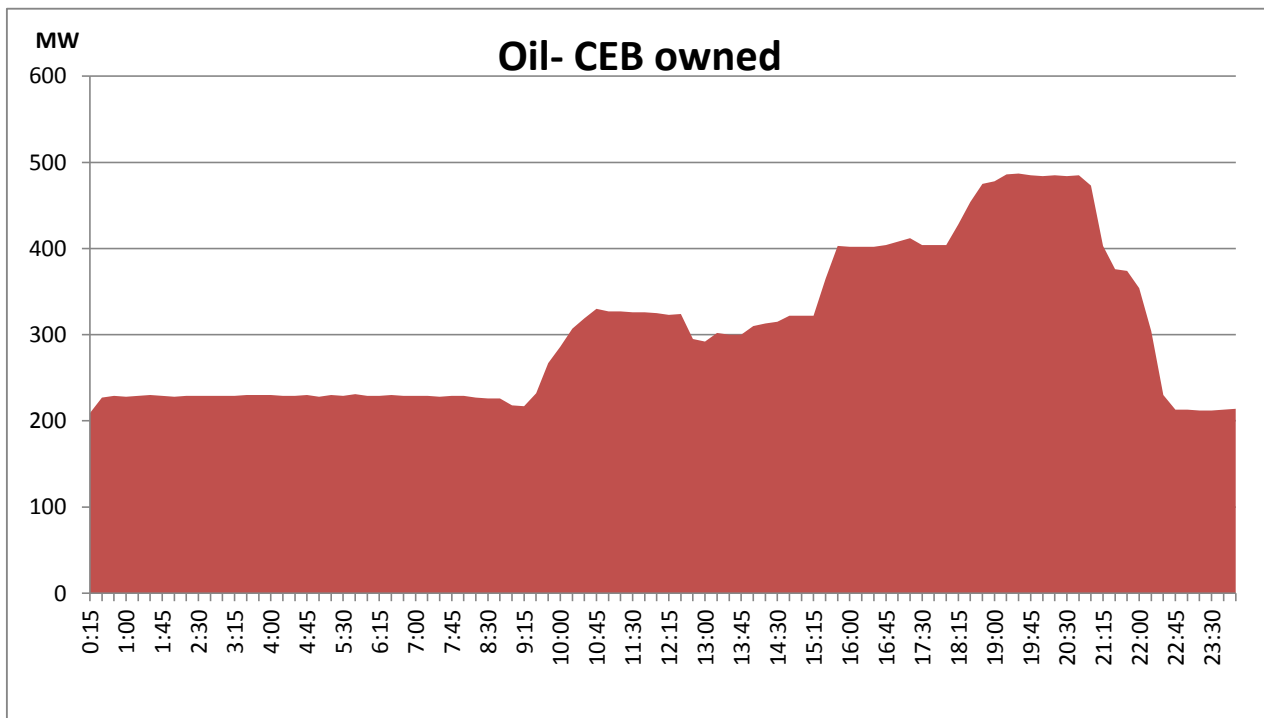
## Coal Generation during the Previous day

January 20, 2022



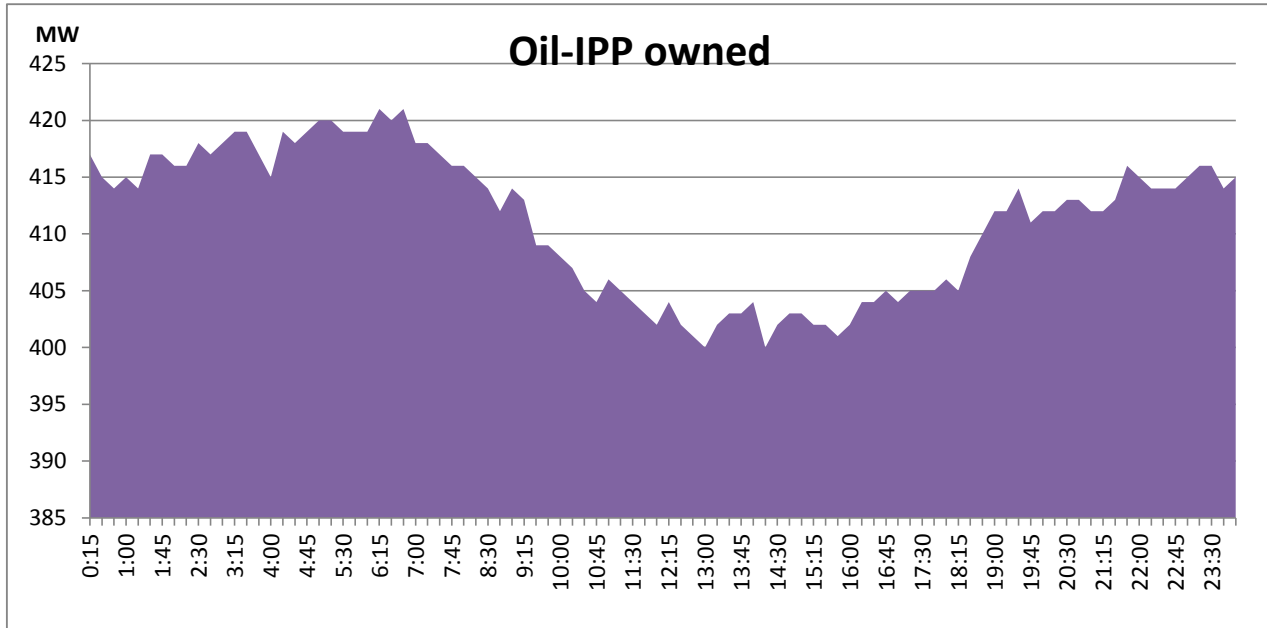
## CEB Oil Plant Generation during the Previous day

January 20, 2022



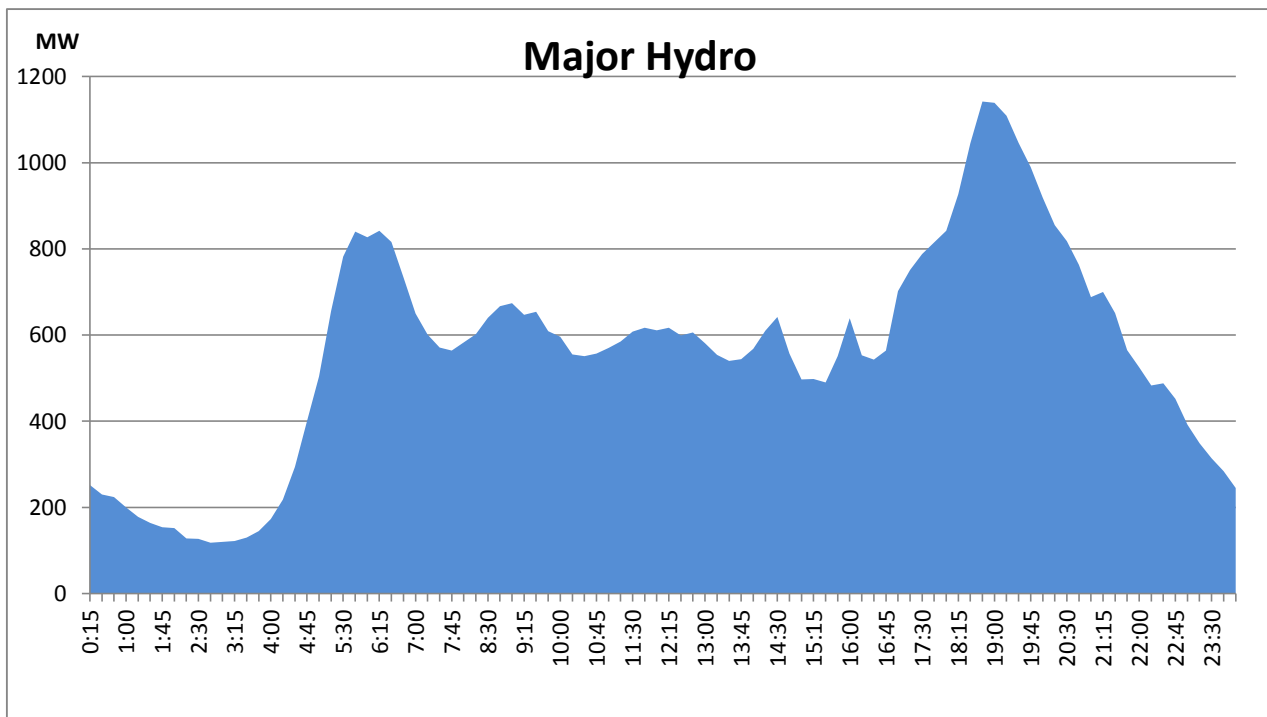
## IPP Oil Plant Generation during the Previous day

January 20, 2022



## Major Hydro Generation during the Previous day

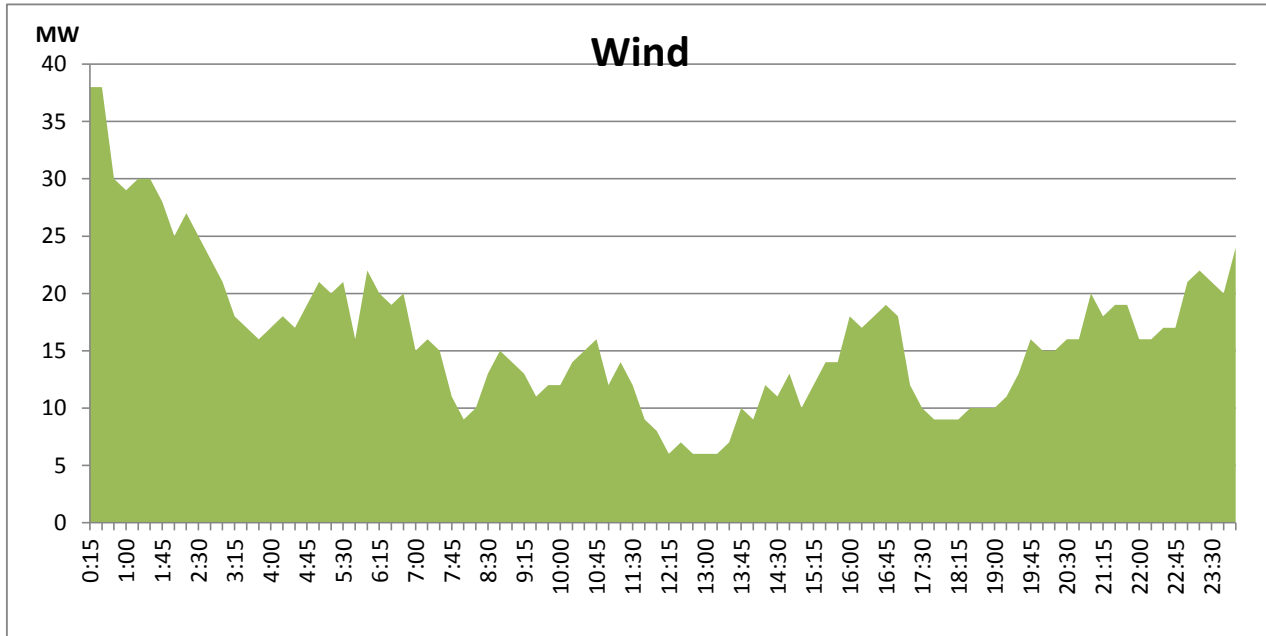
January 20, 2022



## Wind Generation during the Previous day

January 20, 2022

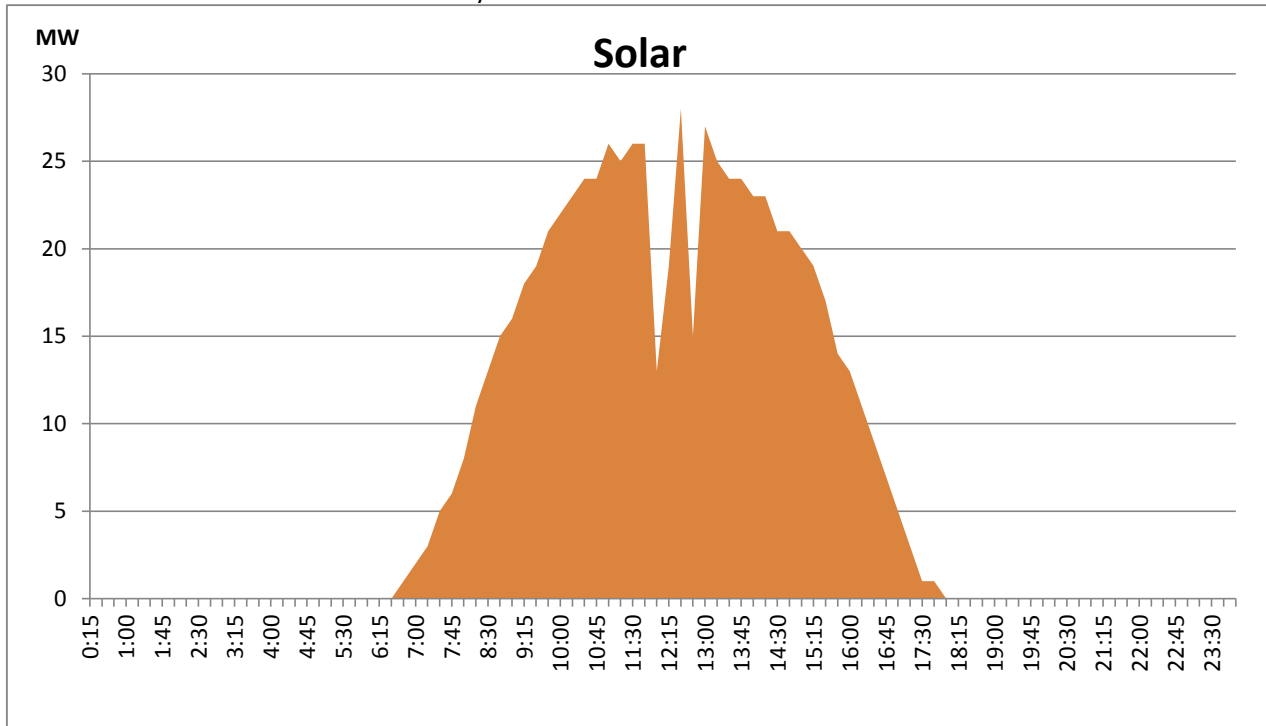
Based on Telemetered Power Stations only



## Solar Generation during the Previous day

January 20, 2022

Based on Telemetered Power Stations only



**Thermal Plant Fuel types**

<b>Power Station</b>	<b>Primary Fuel</b>
<b>CEB Thermal</b>	
<b>Sapugaskanda 1</b>	Heavy Fuel
<b>Sapugaskanda 2</b>	Heavy Fuel
<b>Kelanitissa Small Gas Turbines</b>	Auto Diesel
<b>GT 7 - Kelanitissa</b>	Auto Diesel
<b>Kelanitissa CCY</b>	Naptha & Diesel
<b>Lakvijaya 1</b>	Coal
<b>Lakvijaya 2</b>	Coal
<b>Lakvijaya 3</b>	Coal
<b>Uthuru Janani</b>	Heavy Fuel
<b>Barge CEB</b>	Furnace Oil

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

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

1) Sojitz ST tripped at 18:10 hrs and resumed generation at 18:41 hrs.

**January 22, 2022**