

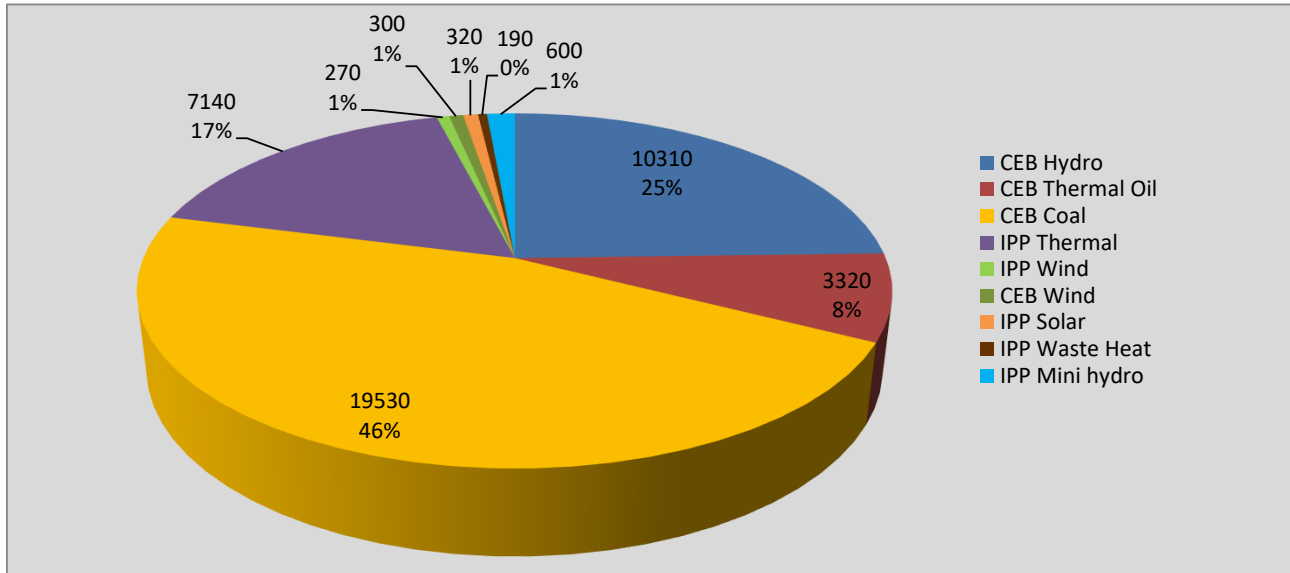
# **Generation and Reservoirs Statistics**

**February 5, 2022**



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **41,980 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

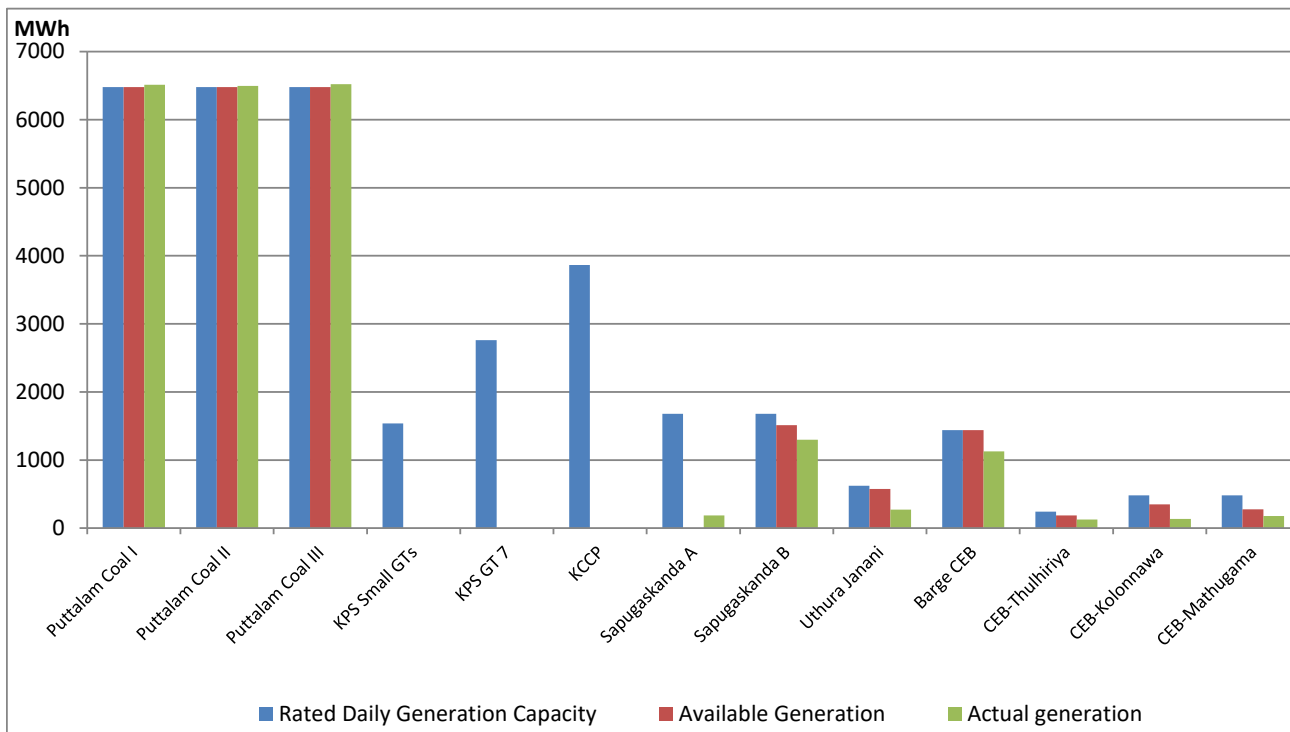
Category	Dispatch (GWh)	Percentage
CEB Hydro	57.9	27.01%
CEB Thermal Oil	28.7	13.36%
CEB Coal	88.3	41.18%
IPP Thermal	30.5	14.24%
SPP Wind	1.3	0.61%
CEB Wind	1.5	0.71%
SPP Solar	1.5	0.71%
SPP Solid Waste	1.3	0.59%
Mini Hydro	3.4	1.59%
<b>Total</b>	<b>214.5</b>	

### For Current Year

Category	Dispatch (GWh)	Percentage
CEB Hydro	465.2	29.92%
CEB Thermal Oil	272.8	17.55%
CEB Coal	495.6	31.88%
IPP Thermal	234.6	15.09%
SPP Wind	16.6	1.07%
CEB Wind	19.6	1.26%
SPP Solar	9.5	0.61%
SPP Solid Waste	9.4	0.61%
Mini Hydro	31.6	2.03%
<b>Total</b>	<b>1,554.6</b>	

## CEB owned Thermal Plant Dispatch

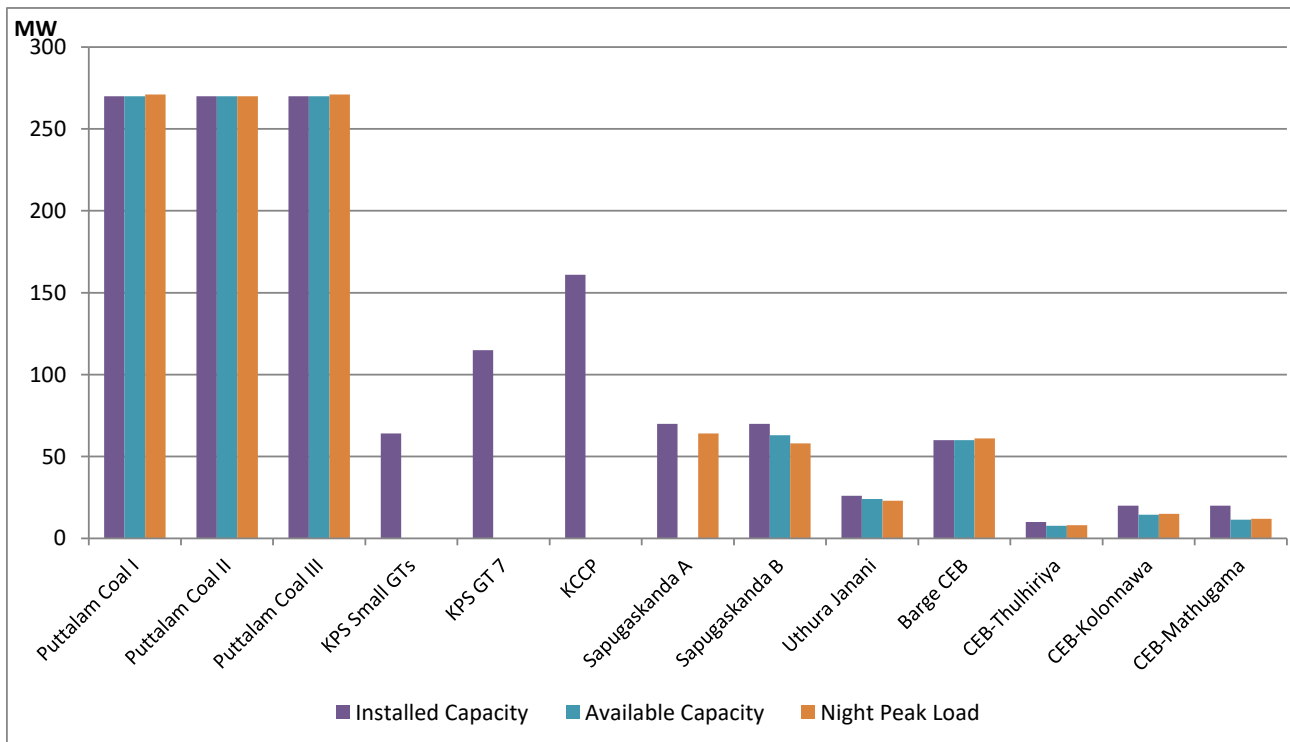
February 5, 2022



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

February 6, 2022

## CEB owned Thermal Plant Loading at the Night Peak



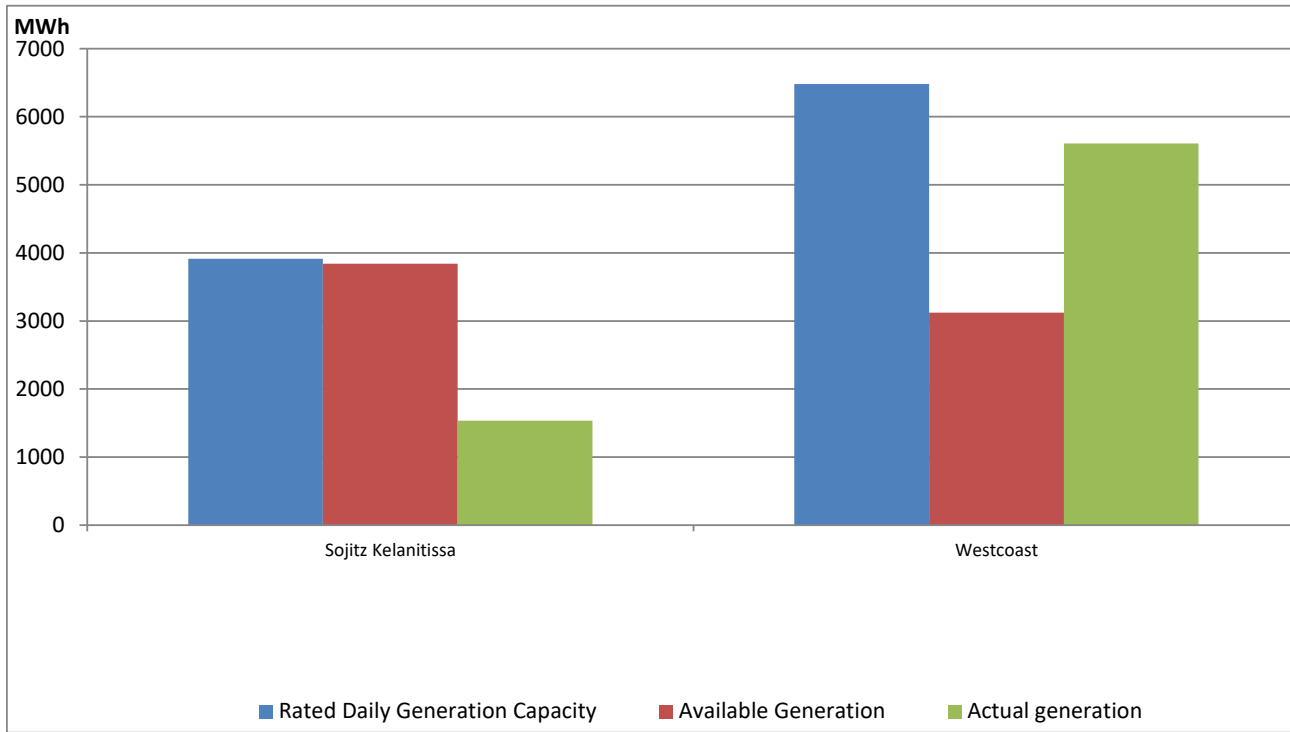
Note- Plant availability is recorded at 6.00 am on

February 6, 2022

## IPP owned Thermal Plant Dispatch

February 5, 2022

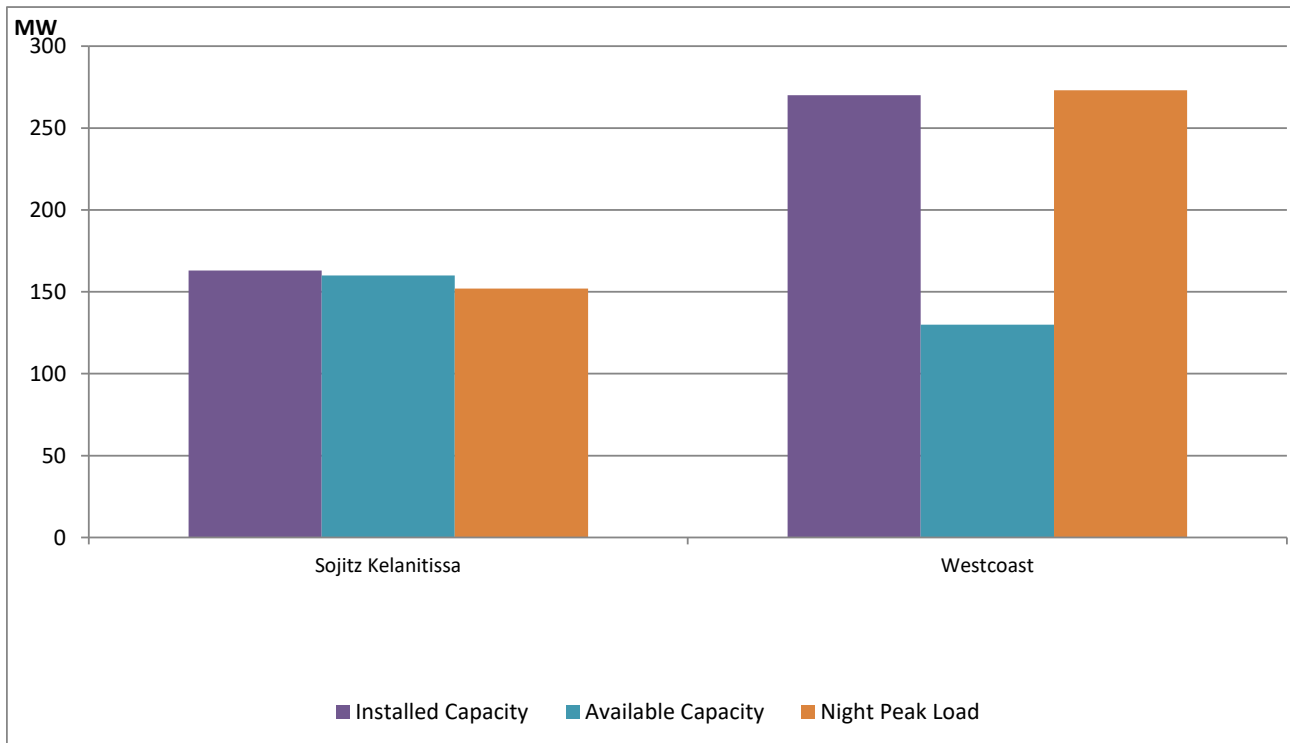
ACE Embilipitiya, ACE Matara, Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

February 6, 2022

## IPP owned Thermal Plant Loading at the Night Peak

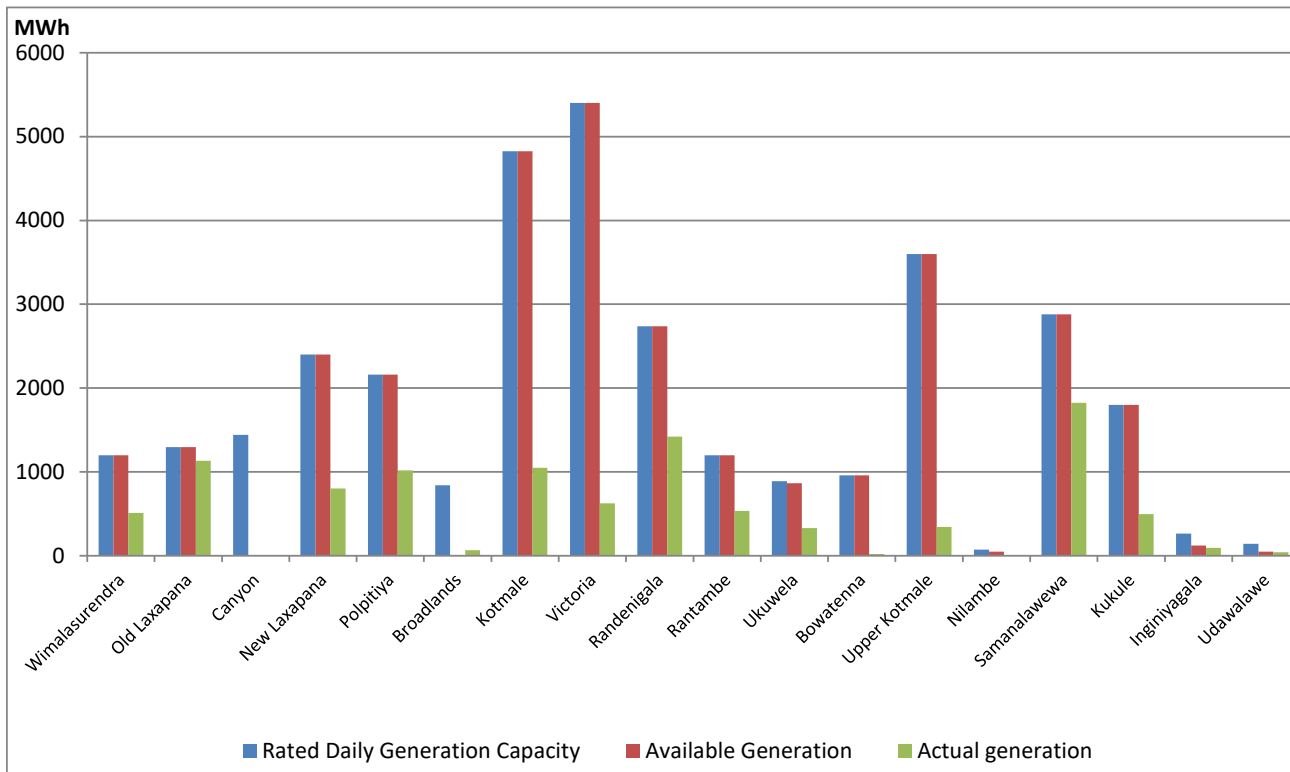


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

February 5, 2022

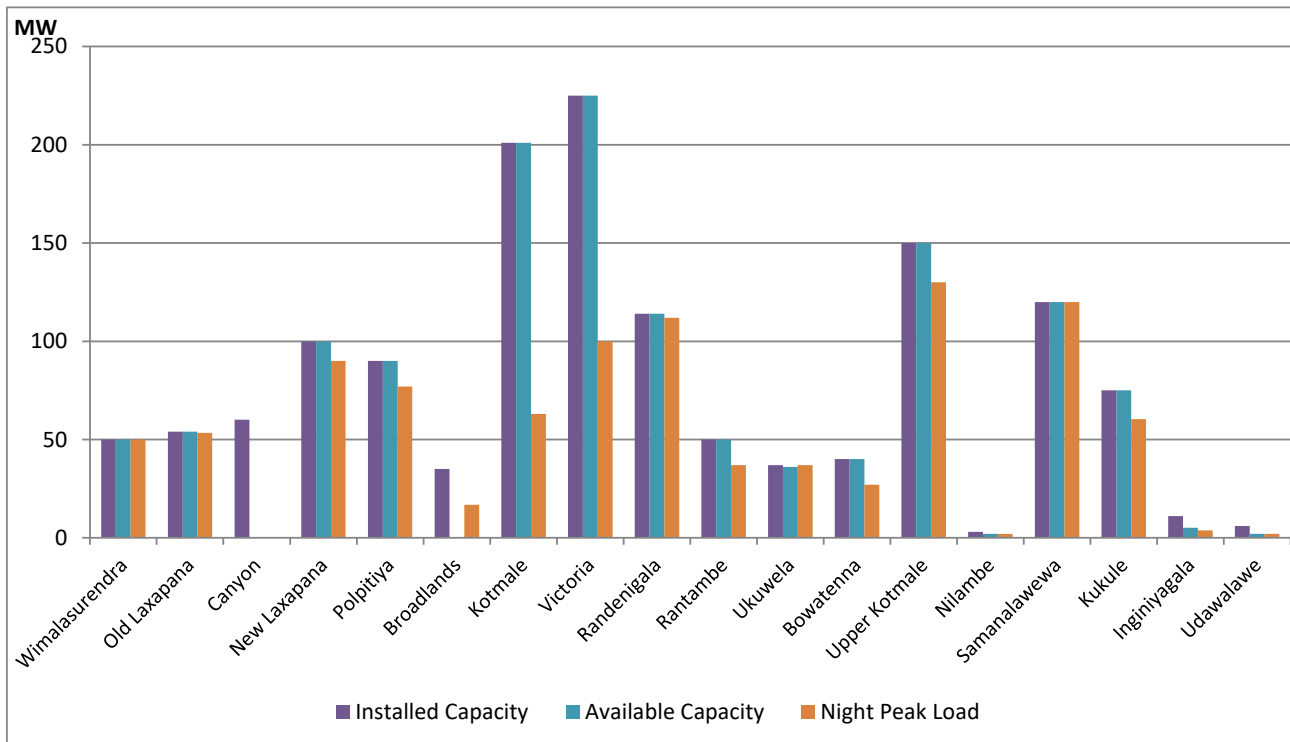


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

February 6, 2022

## Major Hydro Plant Loading at Night Peak

February 5, 2022



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

February 6, 2022

## Summary of Major Plant performance

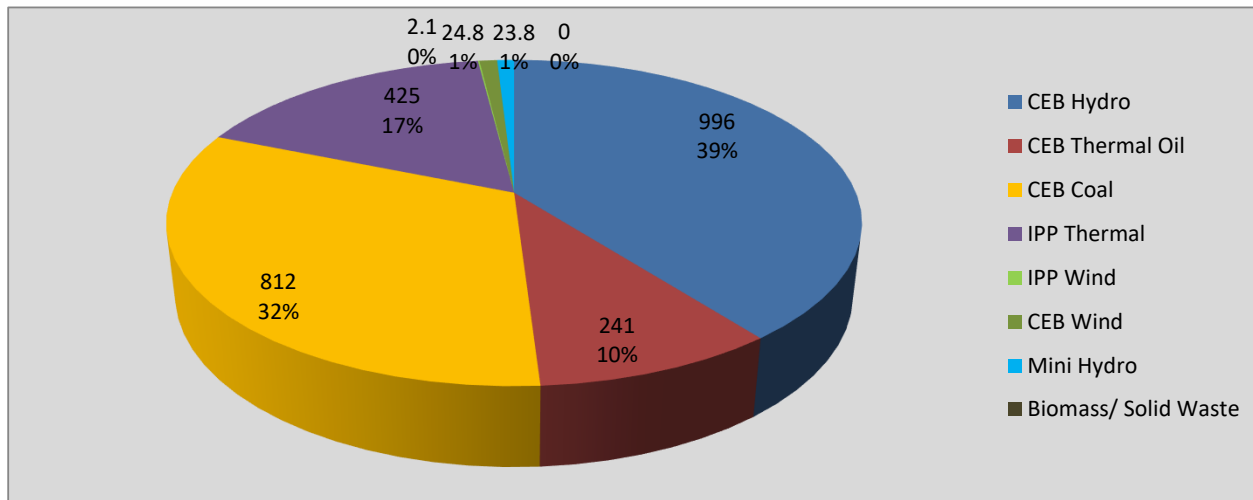
Plant	Installed Capacity (MW)	Plant Availability (MW)	Night peak Load (MW)	Plant Dispatch (MWh)
Wimalasurendra	50	50	50	511
Old Laxapana	54	54	53	1,133
Canyon	60	0	0	0
New Laxapana	100	100	90	804
Polpitiya	90	90	77	1,017
Broadlands	35	0	17	65
Kotmale	201	201	63	1,050
Victoria	225	225	100	624
Randenigala	114	114	112	1,420
Rantambe	50	50	37	536
Ukuwela	37	36	37	329
Bowatenna	40	40	27	22
Upper Kotmale	150	150	130	345
Nilambe	3	2	2	5
Samanalawewa	120	120	120	1,823
Kukule	75	75	60	496
Inginiyagala	11	5	4	93
Udawalawe	6	2	2	42
Puttalam Coal I	270	270	271	6,513
Puttalam Coal II	270	270	270	6,494
Puttalam Coal III	270	270	271	6,521
KPS Small GTs	64	0	0	0
KPS GT 7	115	0	0	0
KCCP	161	0	0	0
Sapugaskanda A	70	0	64	187
Sapugaskanda B	70	63	58	1,297
Uthura Janani	26	24	23	271
Barge CEB	60	60	61	1,125
CEB-Thulhiriya	10	8	8	125
CEB-Kolonnawa	20	15	15	134
CEB-Mathugama	20	11	12	178
Sojitz Kelanitissa	163	160	152	1,534
West Coast	270	130	273	5,606
Total	3,280	2,595	2,510	41,977

Plant availability is the availability recorded at 6 am on

February 6, 2022

# Contribution to the Night Peak in MW

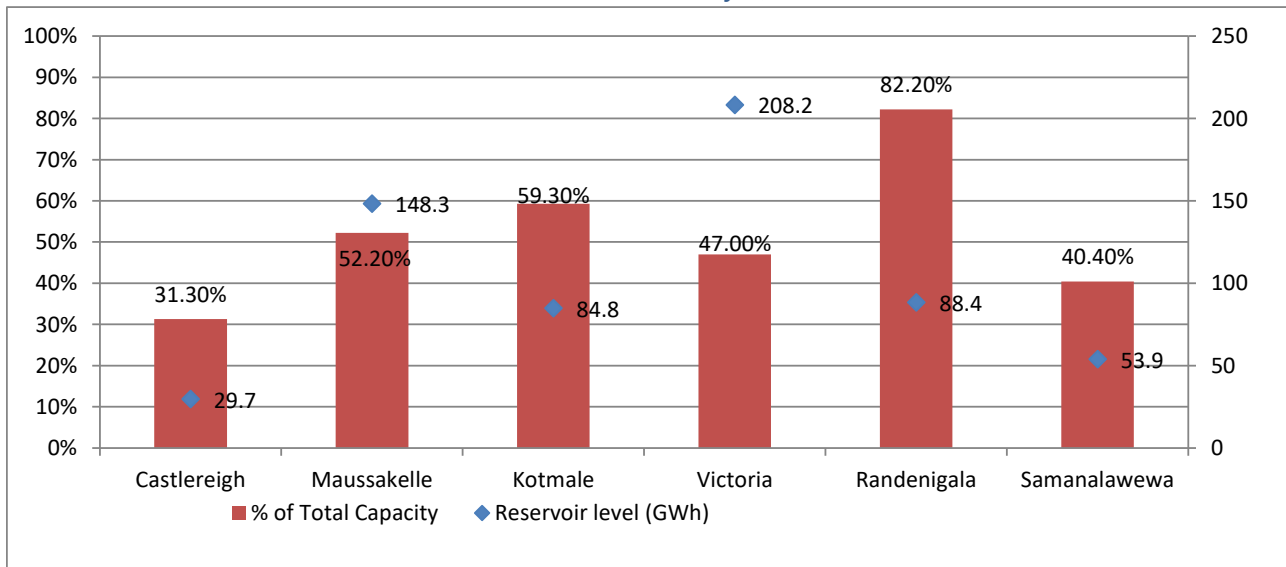
February 5, 2022



Night Peak*	2,524.9 MW
Day Peak	1,893.8 MW
Minimum Demand	1,230.8 MW

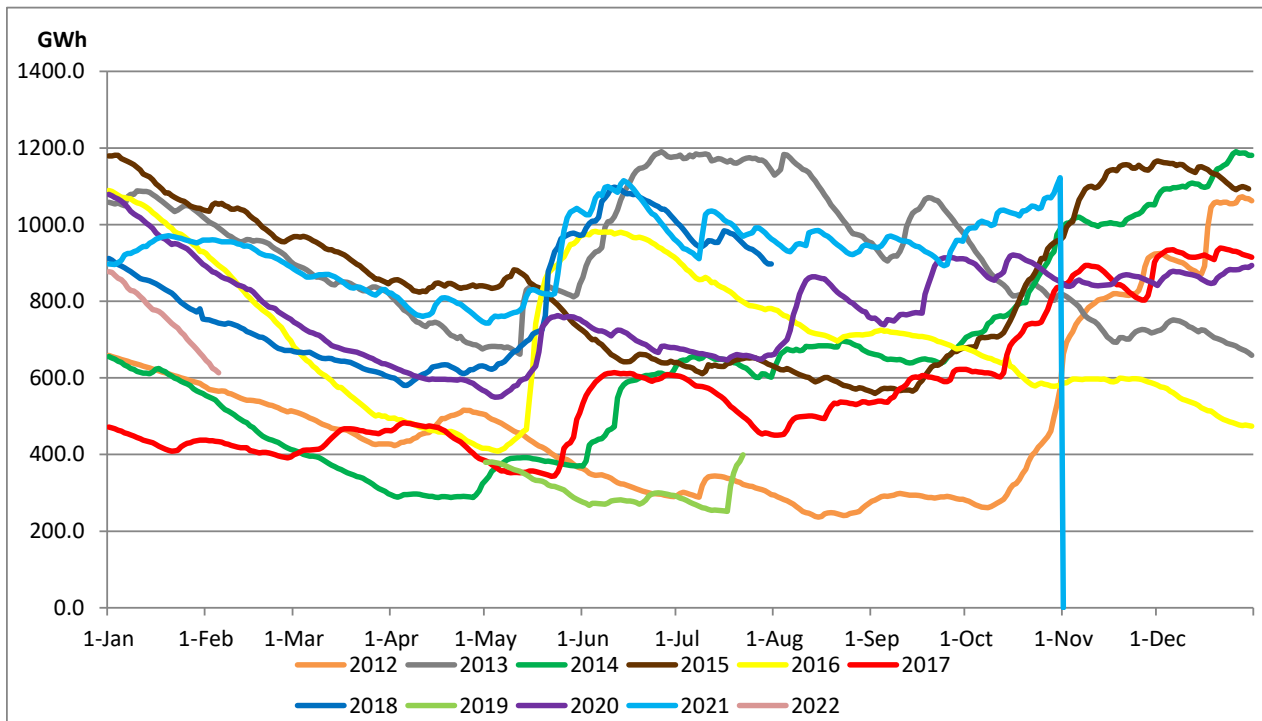
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on February 6, 2022



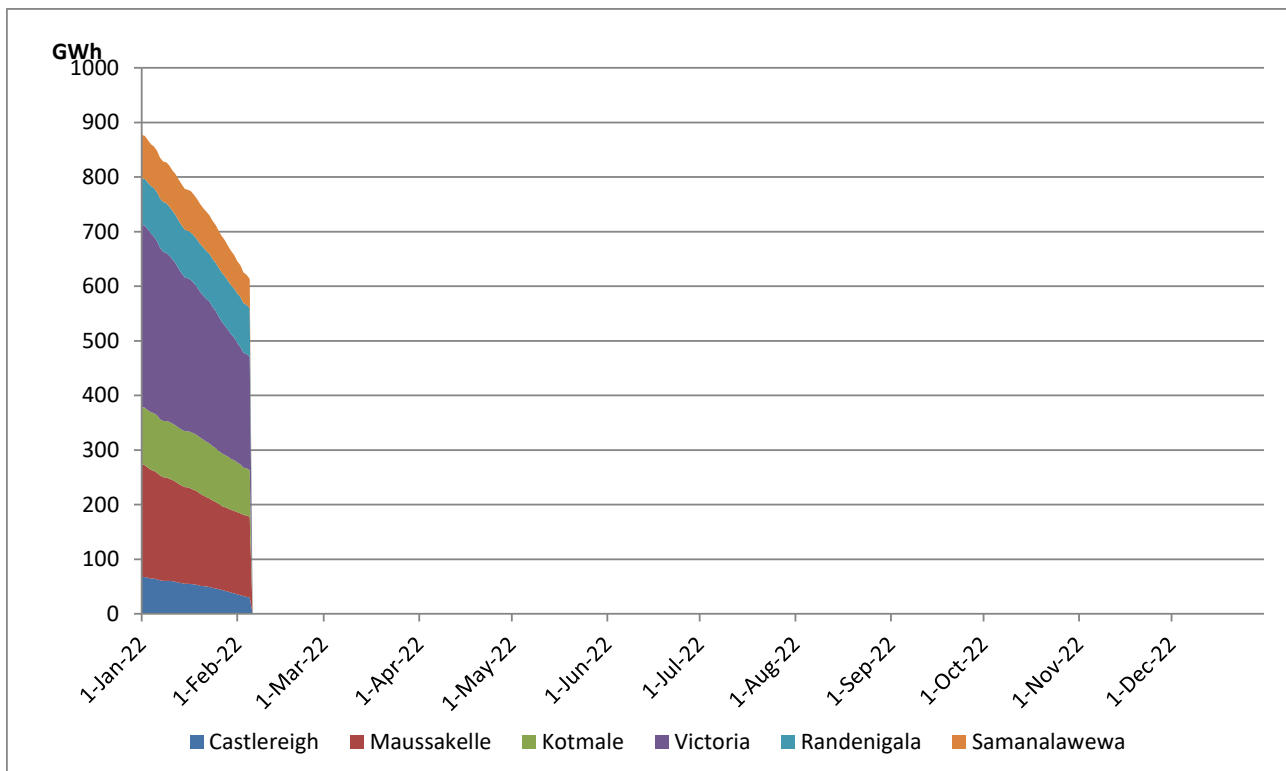
Total Reservoir Level(GWh)	613.3
% of Total capacity	52.1%

## Comparison of Total Reservoir Storage Levels with Past Years



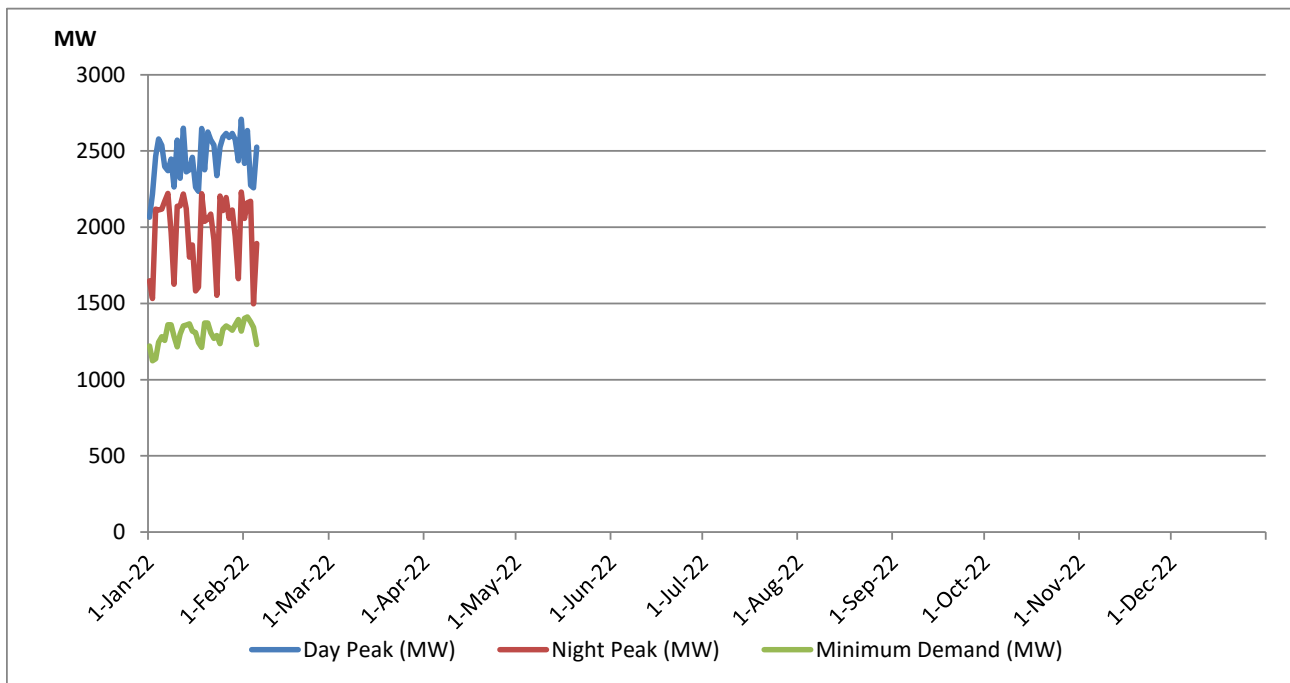
Data for 2018 and 2019 are only available for part of year.

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





## Variation of Demand during the current year

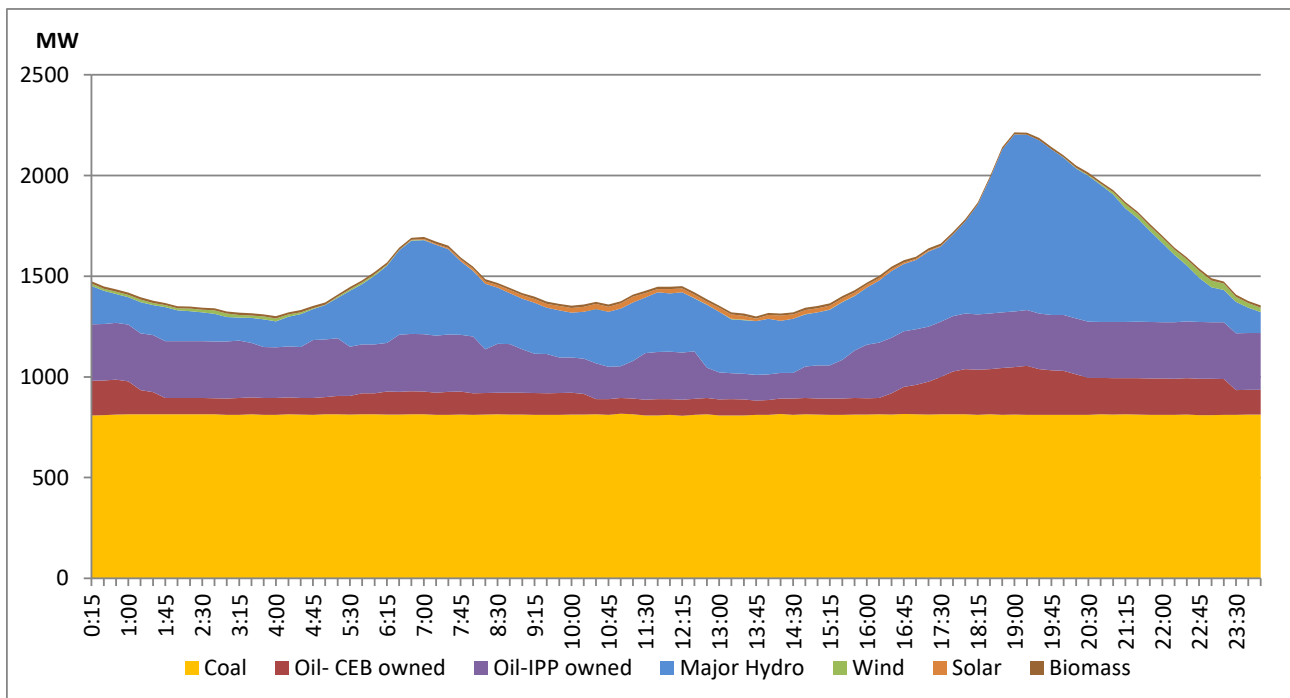


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

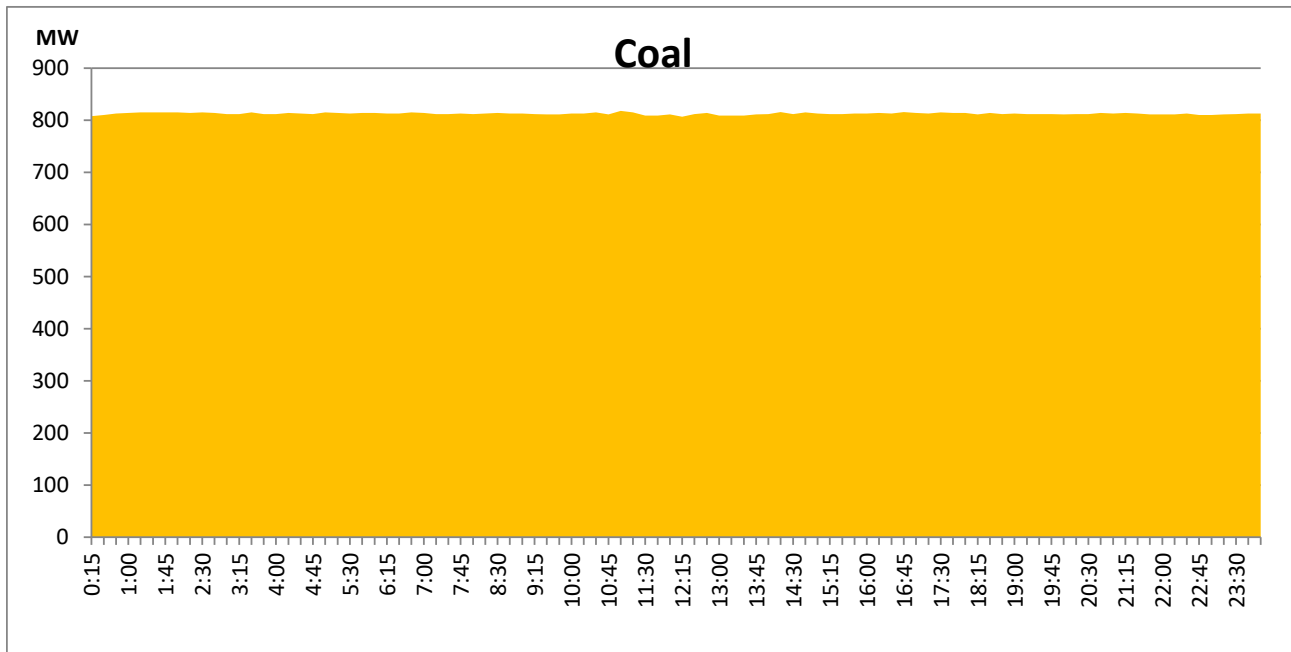
February 4, 2022

Solar and wind data is based on Telemetered Power Stations only



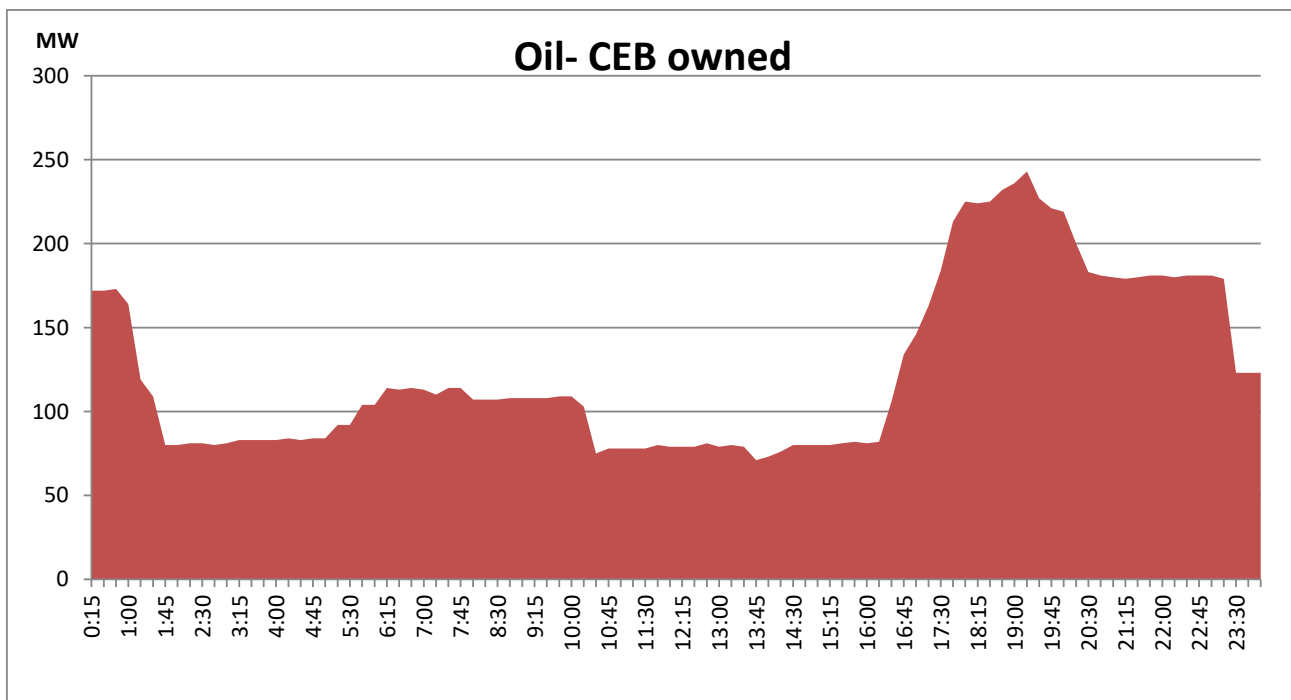
## Coal Generation during the Previous day

February 4, 2022



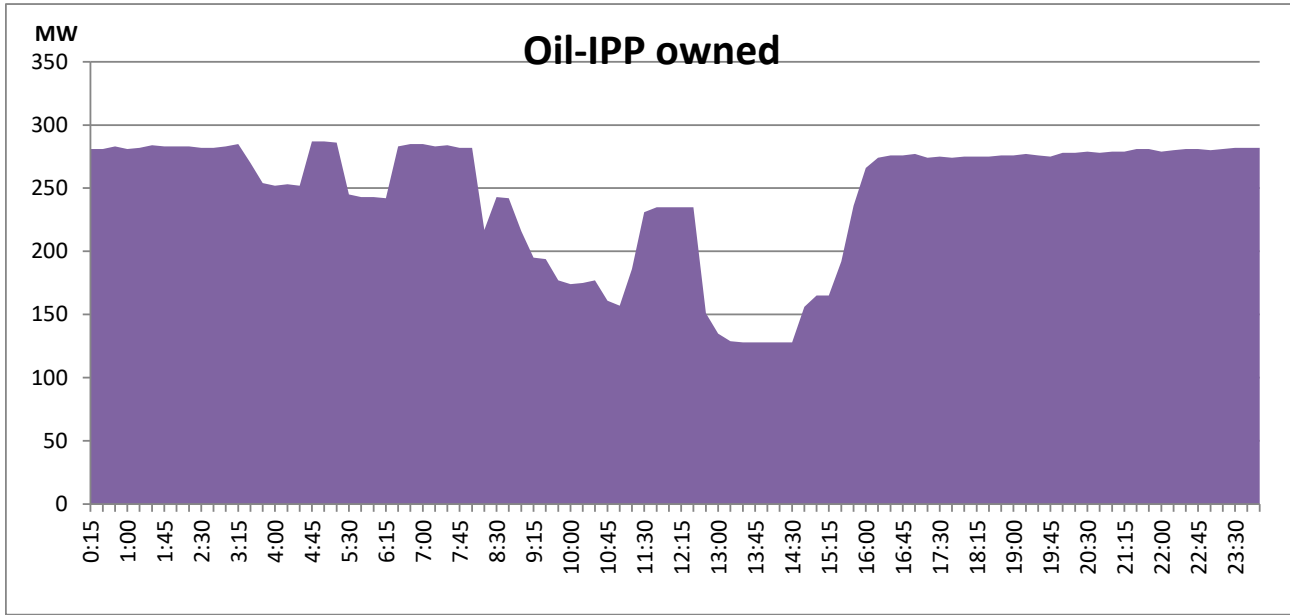
## CEB Oil Plant Generation during the Previous day

February 4, 2022



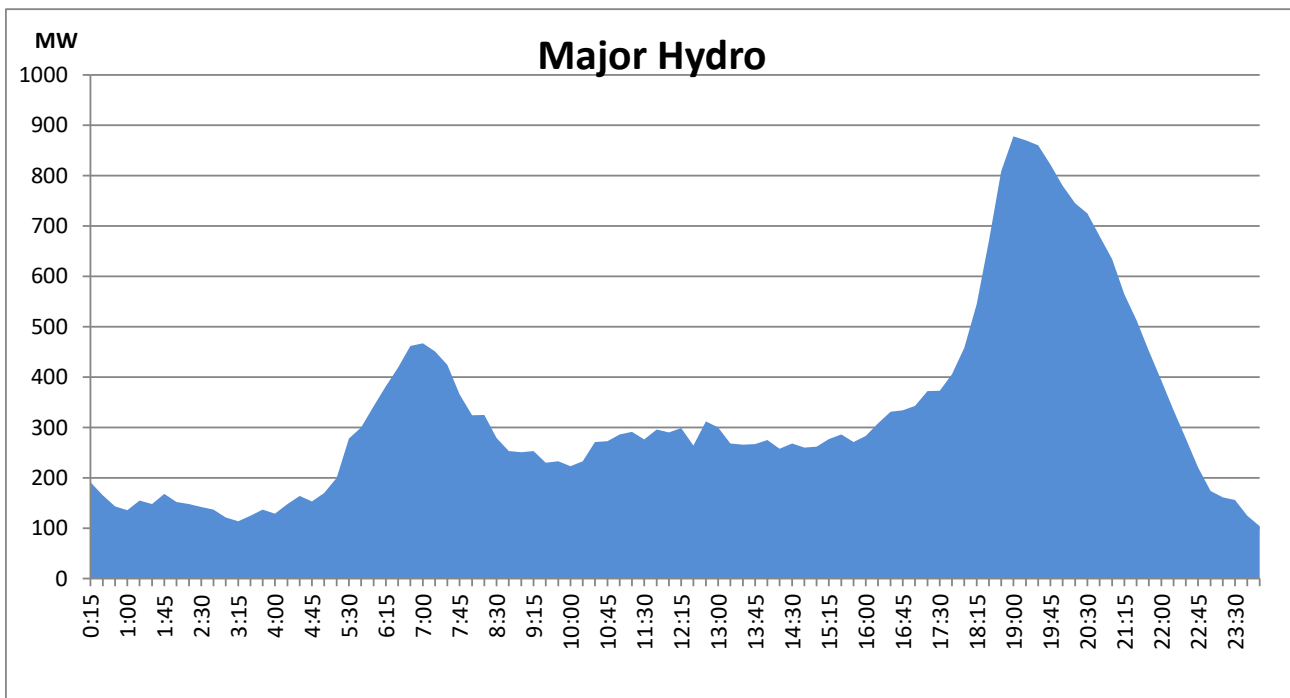
## IPP Oil Plant Generation during the Previous day

February 4, 2022



## Major Hydro Generation during the Previous day

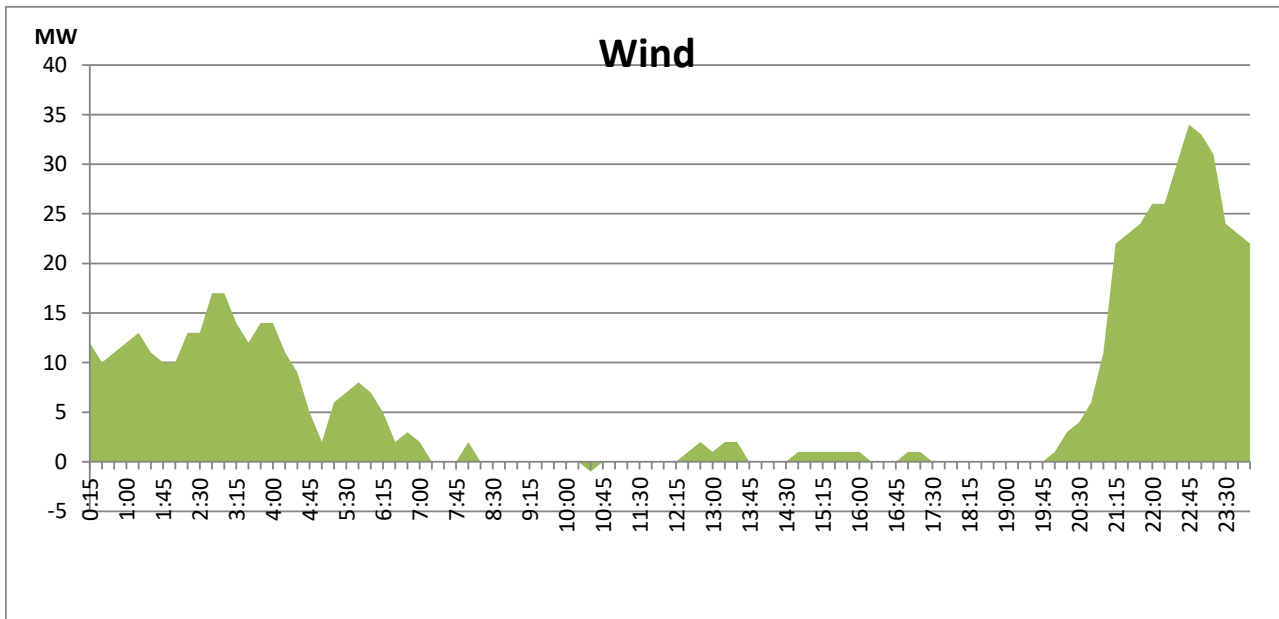
February 4, 2022



## Wind Generation during the Previous day

February 4, 2022

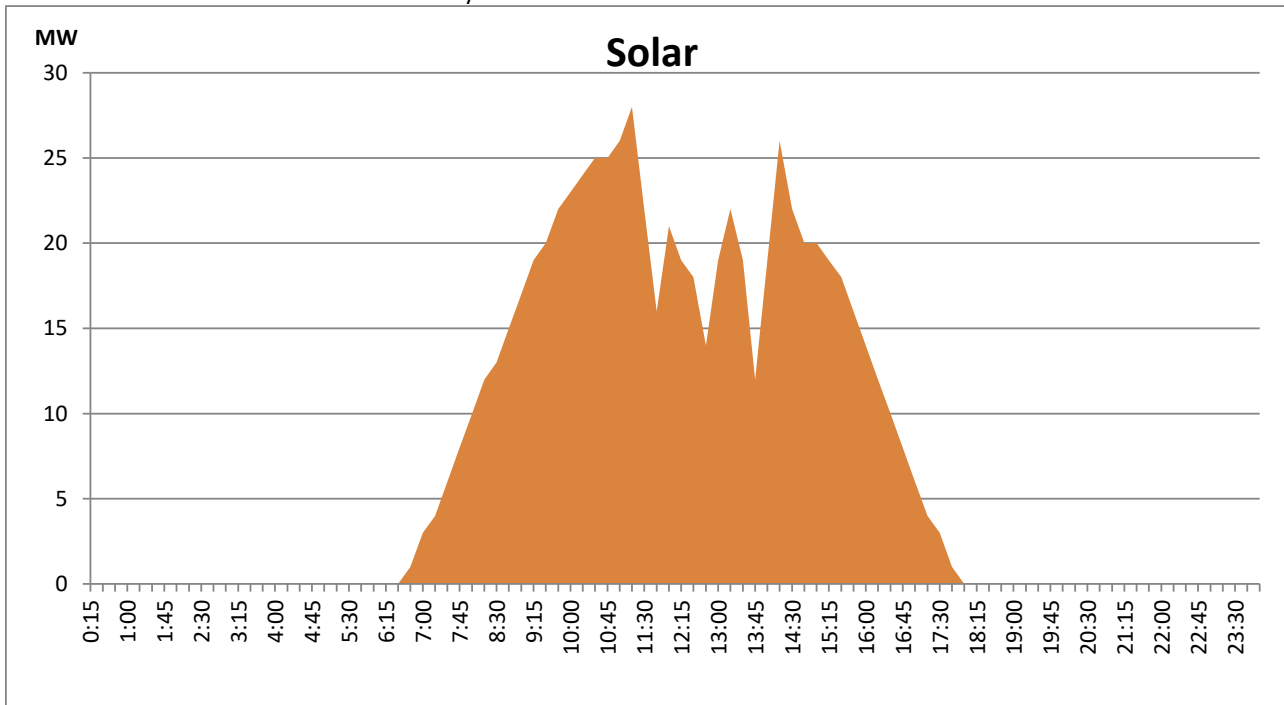
Based on Telemetered Power Stations only



## Solar Generation during the Previous day

February 4, 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) Nil.

**February 6, 2022**