

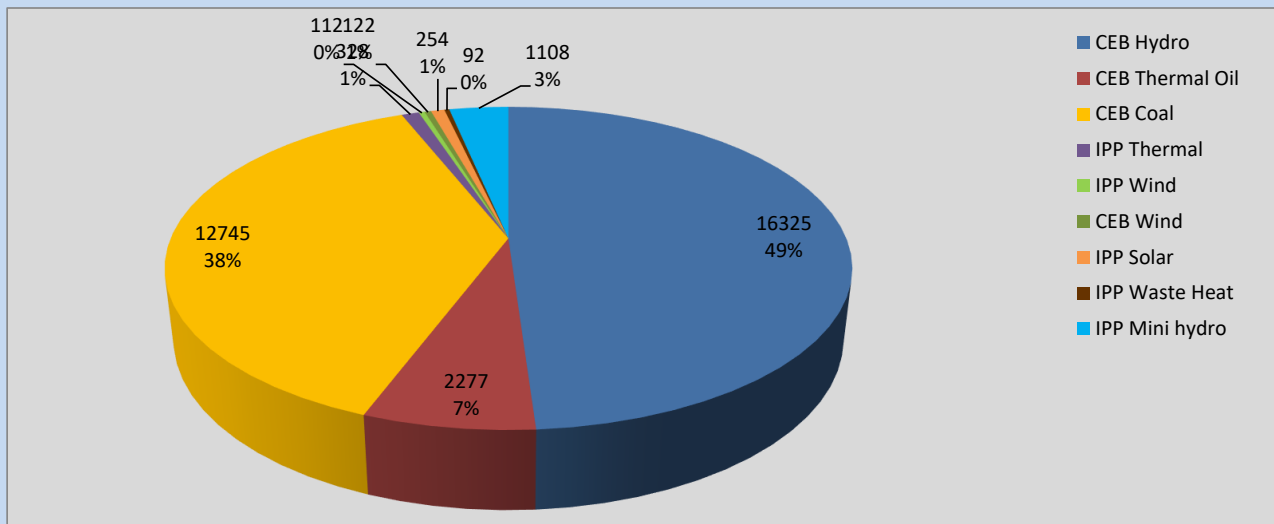
# Generation and Reservoirs Statistics

October 9, 2022



PUBLIC UTILITIES COMMISSION OF SRI LANKA

## Daily Generation Mix in MWh



**Total Generation** **33,363 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

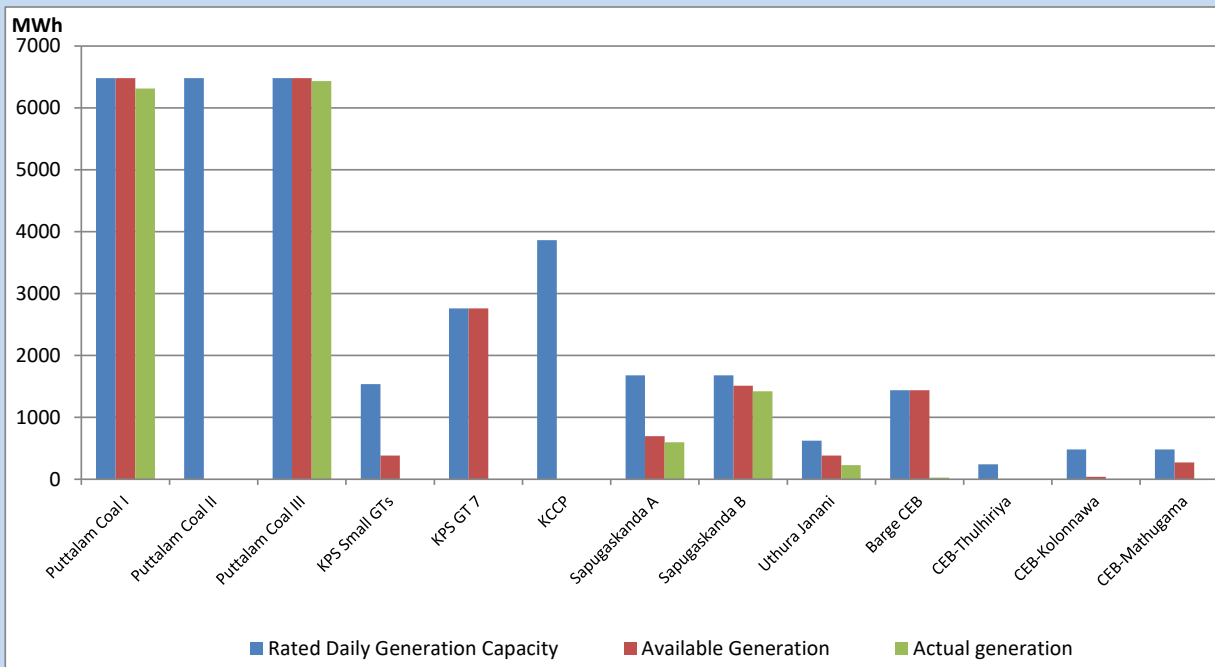
| Category        | Dispatch (GWh) | Percentage |
|-----------------|----------------|------------|
| CEB Hydro       | 161.61         | 47.58%     |
| CEB Thermal Oil | 26.79          | 7.89%      |
| CEB Coal        | 108.60         | 31.97%     |
| IPP Thermal     | 1.58           | 0.47%      |
| SPP Wind        | 11.18          | 3.29%      |
| CEB Wind        | 10.35          | 3.05%      |
| SPP Solar       | 2.36           | 0.69%      |
| SPP Solid Waste | 1.46           | 0.43%      |
| Mini Hydro      | 15.74          | 4.63%      |
| <b>Total</b>    | <b>339.67</b>  |            |

### For Current Year

| Category        | Dispatch (GWh)  | Percentage |
|-----------------|-----------------|------------|
| CEB Hydro       | 3,861.8         | 33.85%     |
| CEB Thermal Oil | 1,205.5         | 10.57%     |
| CEB Coal        | 4,149.7         | 36.37%     |
| IPP Thermal     | 1,077.3         | 9.44%      |
| SPP Wind        | 292.2           | 2.56%      |
| CEB Wind        | 316.4           | 2.77%      |
| SPP Solar       | 73.7            | 0.65%      |
| SPP Solid Waste | 56.3            | 0.49%      |
| Mini Hydro      | 376.3           | 3.30%      |
| <b>Total</b>    | <b>11,409.0</b> |            |

## CEB owned Thermal Plant Dispatch

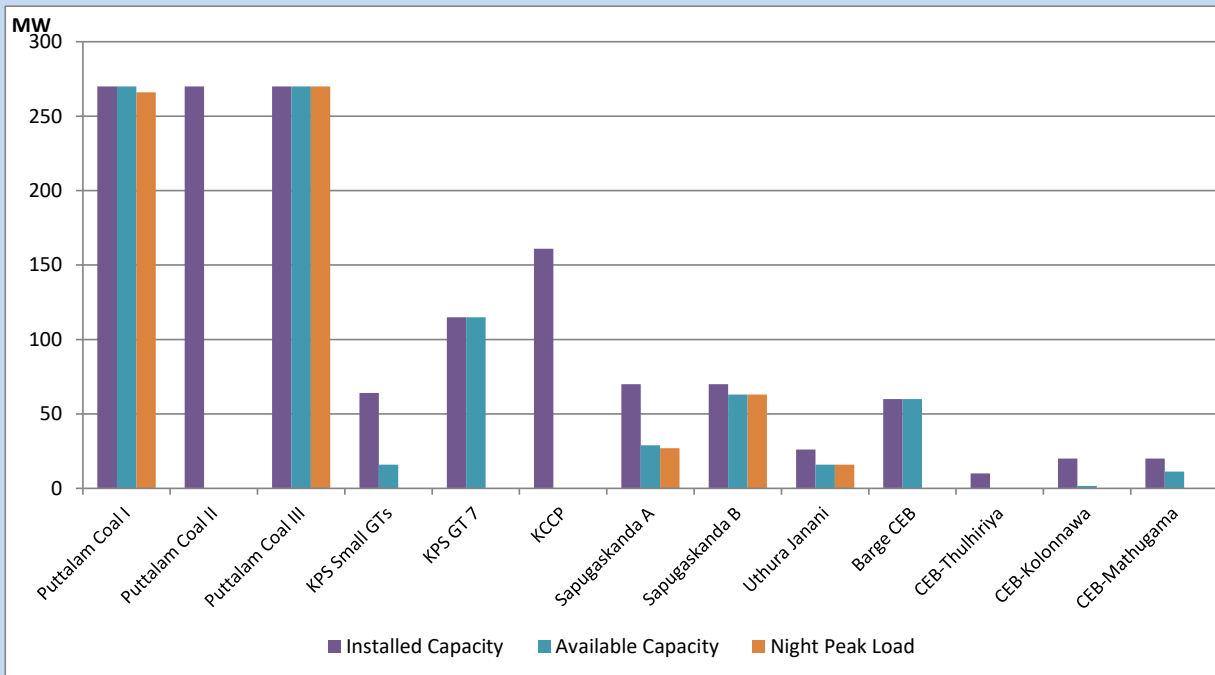
October 9, 2022



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

October 10, 2022

## CEB owned Thermal Plant Loading at the Night Peak



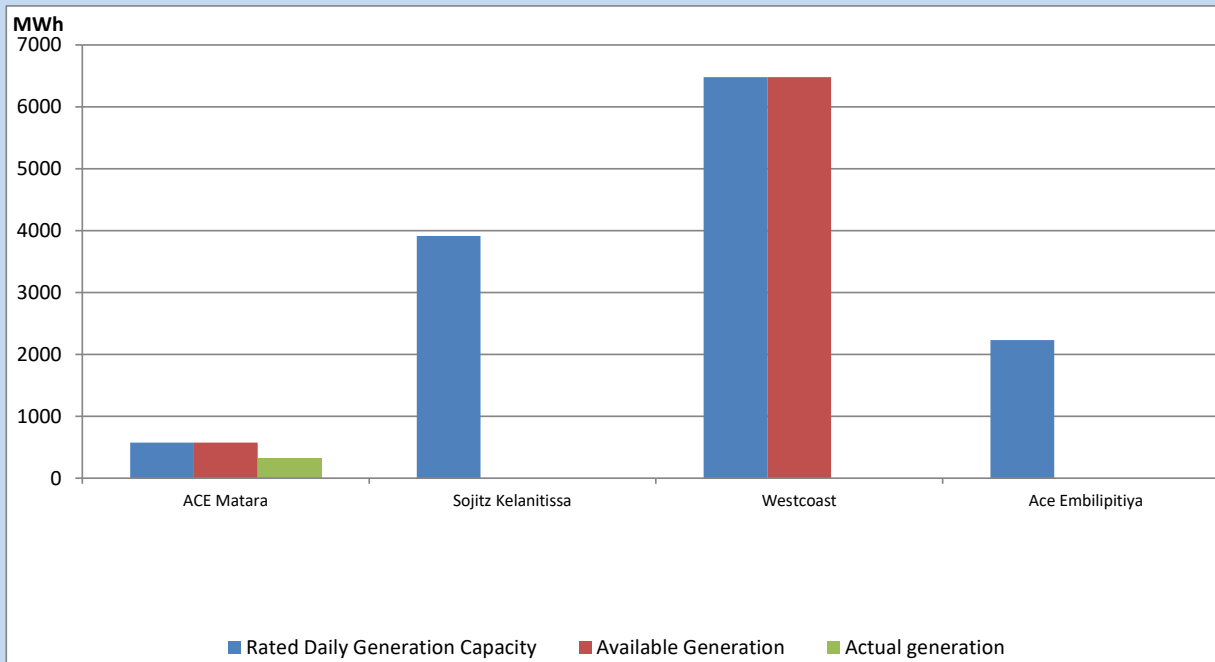
Note- Plant availability is recorded at 6.00 am on

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## IPP owned Thermal Plant Dispatch

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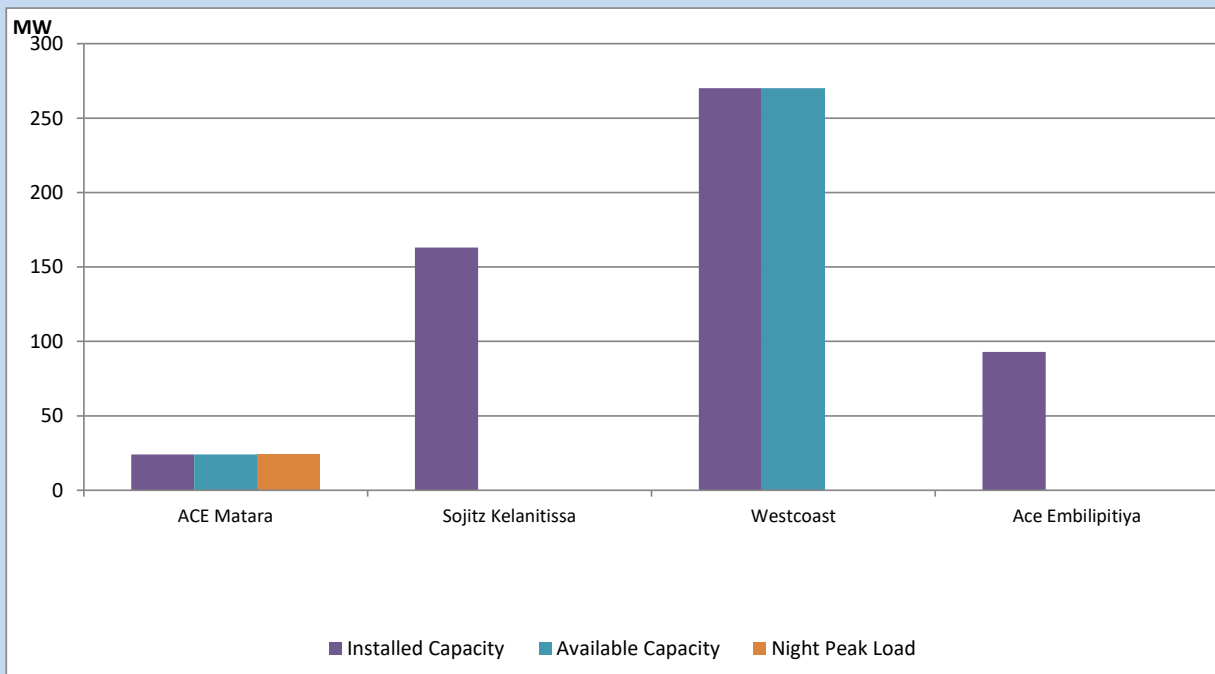
Asia Power, V Power Pallekale, Vpower Galle, V Power Horana, Vpower Hambantota, Vpower Valachchena and Altaqa Mahiyanganaya are not available due to expiration of PPAs



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

October 10, 2022

## IPP owned Thermal Plant Loading at the Night Peak

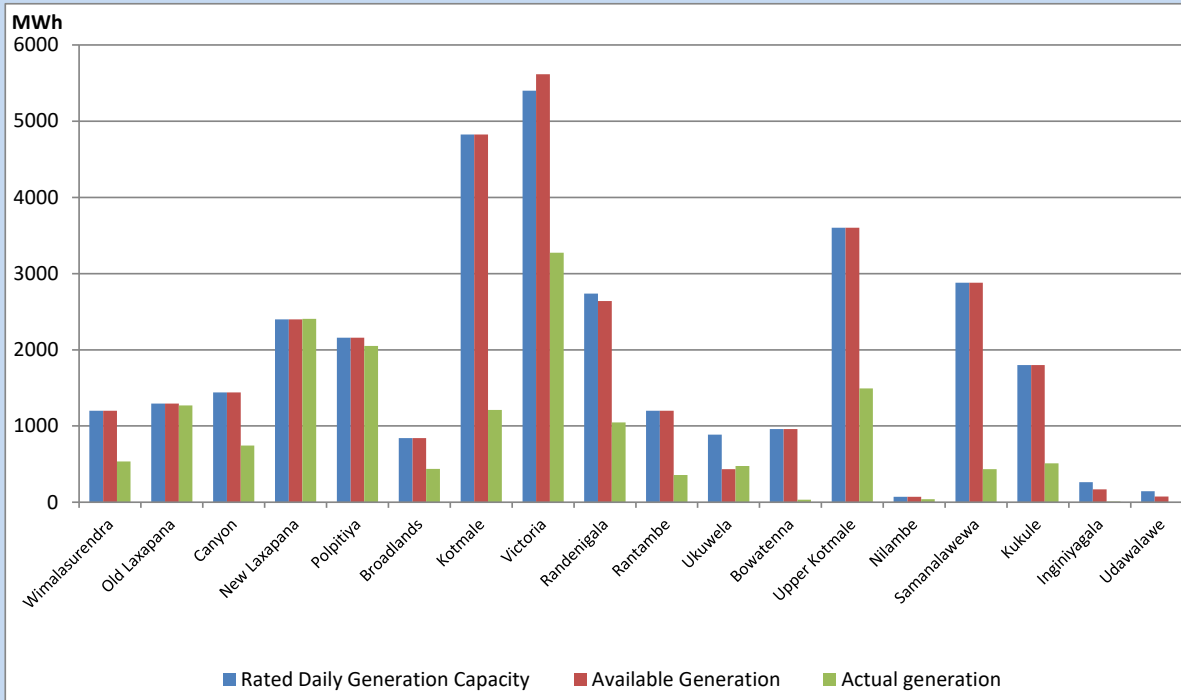


Note- Plant availability is recorded at 6.00 am on

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## Major Hydro Plant Dispatch

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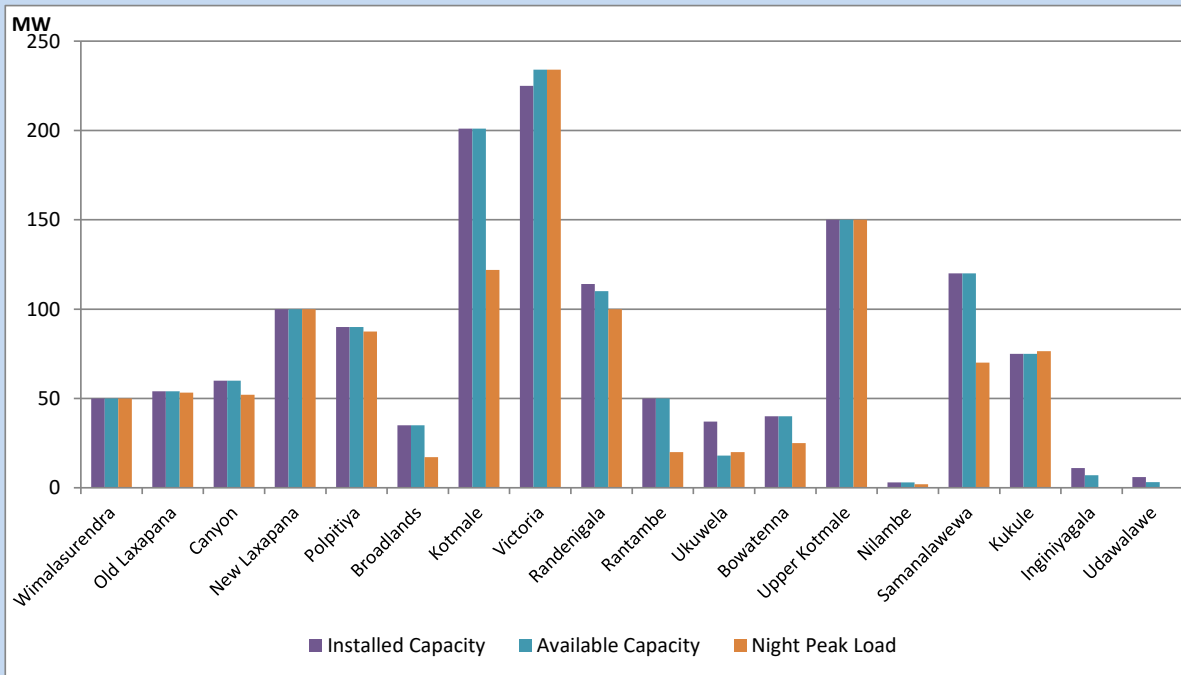


Available Generation is estimated based on plant availability at 6.00am on  
Broadlands power plant is operating in the Commissioning Stage

October 10, 2022

## Major Hydro Plant Loading at Night Peak

October 9, 2022



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

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## Summary of Major Plant performance

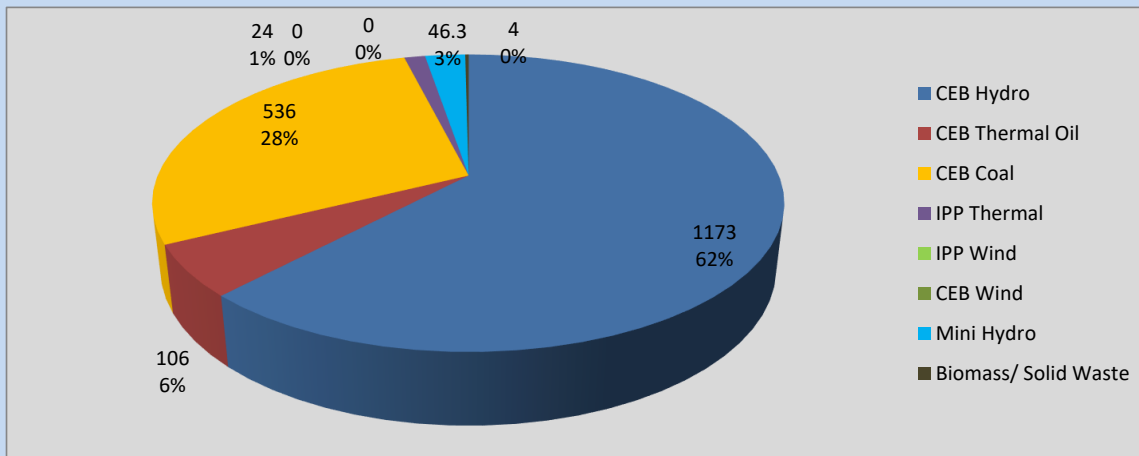
| Plant              | Installed Capacity | Plant Availability | Night peak Load | Plant Dispatch |
|--------------------|--------------------|--------------------|-----------------|----------------|
|                    | (MW)               | (MW)               | (MW)            | (MWh)          |
| Wimalasurendra     | 50                 | 50                 | 50              | 535            |
| Old Laxapana       | 54                 | 54                 | 53              | 1,270          |
| Canyon             | 60                 | 60                 | 52              | 745            |
| New Laxapana       | 100                | 100                | 100             | 2,407          |
| Polpitiya          | 90                 | 90                 | 87              | 2,050          |
| Broadlands         | 35                 | 35                 | 17              | 437            |
| Kotmale            | 201                | 201                | 122             | 1,210          |
| Victoria           | 225                | 234                | 234             | 3,275          |
| Randenigala        | 114                | 110                | 100             | 1,046          |
| Rantambe           | 50                 | 50                 | 20              | 356            |
| Ukuwela            | 37                 | 18                 | 20              | 477            |
| Bowatenna          | 40                 | 40                 | 25              | 31             |
| Upper Kotmale      | 150                | 150                | 150             | 1,494          |
| Nilambe            | 3                  | 3                  | 2               | 38             |
| Samanalawewa       | 120                | 120                | 70              | 434            |
| Kukule             | 75                 | 75                 | 77              | 511            |
| Inginiyagala       | 11                 | 7                  | 0               | 9              |
| Udawalawe          | 6                  | 3                  | 0               | 0              |
| Puttalam Coal I    | 270                | 270                | 266             | 6,312          |
| Puttalam Coal II   | 270                | 0                  | 0               | 0              |
| Puttalam Coal III  | 270                | 270                | 270             | 6,433          |
| KPS Small GTs      | 64                 | 16                 | 0               | 0              |
| KPS GT 7           | 115                | 115                | 0               | 0              |
| KCCP               | 161                | 0                  | 0               | 0              |
| Sapugaskanda A     | 70                 | 29                 | 27              | 599            |
| Sapugaskanda B     | 70                 | 63                 | 63              | 1,422          |
| Uthura Janani      | 26                 | 16                 | 16              | 227            |
| Barge CEB          | 60                 | 60                 | 0               | 29             |
| CEB-Thulhiriya     | 10                 | 0                  | 0               | 0              |
| CEB-Kolonnawa      | 20                 | 2                  | 0               | 0              |
| CEB-Mathugama      | 20                 | 11                 | 0               | 0              |
| ACE Matara         | 24                 | 24                 | 24              | 328            |
| Sojitz Kelanitissa | 163                | 0                  | 0               | 0              |
| West Coast         | 270                | 270                | 0               | 0              |
| ACE Embilipitiya   | 93                 | 0                  | 0               | 0              |
| <b>Total</b>       | <b>3,397</b>       | <b>2,546</b>       | <b>1,896</b>    | <b>33,363</b>  |

Plant availability is the availability recorded at 6 am on

October 10, 2022

## Contribution to the Night Peak in MW

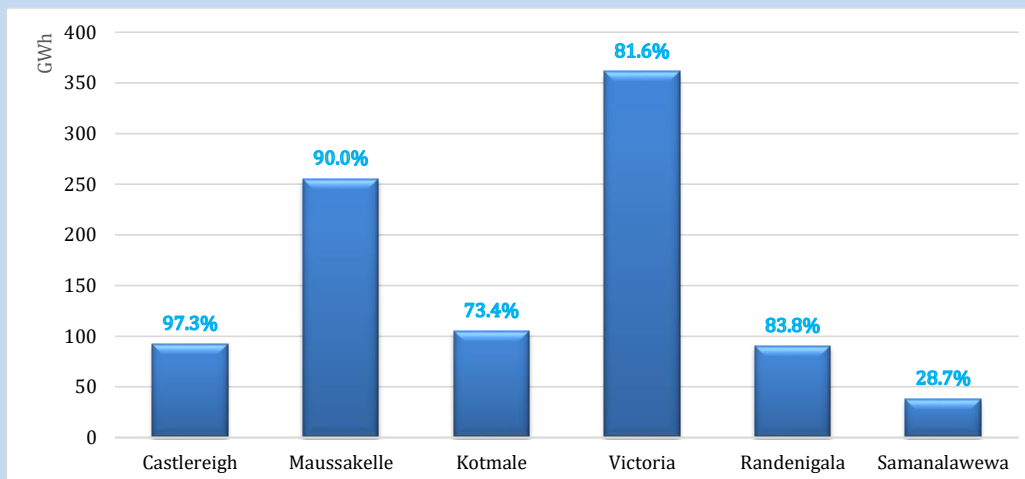
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|                |            |
|----------------|------------|
| Night Peak*    | 1,889.6 MW |
| Day Peak       | 1,363.5 MW |
| Minimum Demand | 1,219.2 MW |

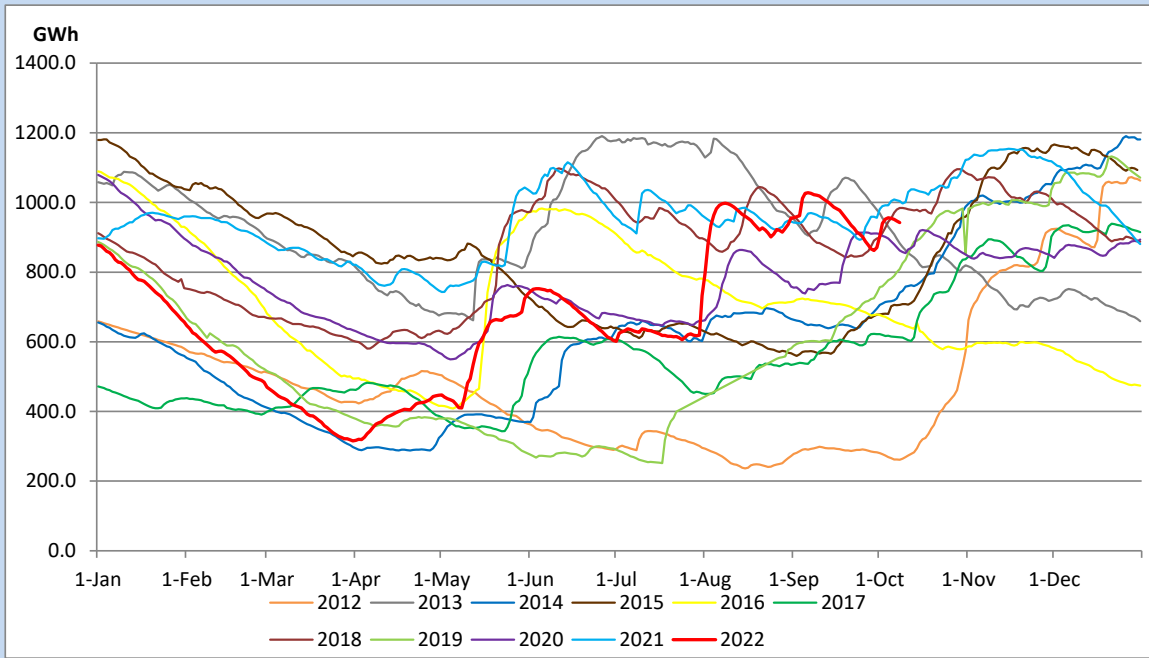
Above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Reservoir Levels - as at 06.00 Hr on October 10, 2022

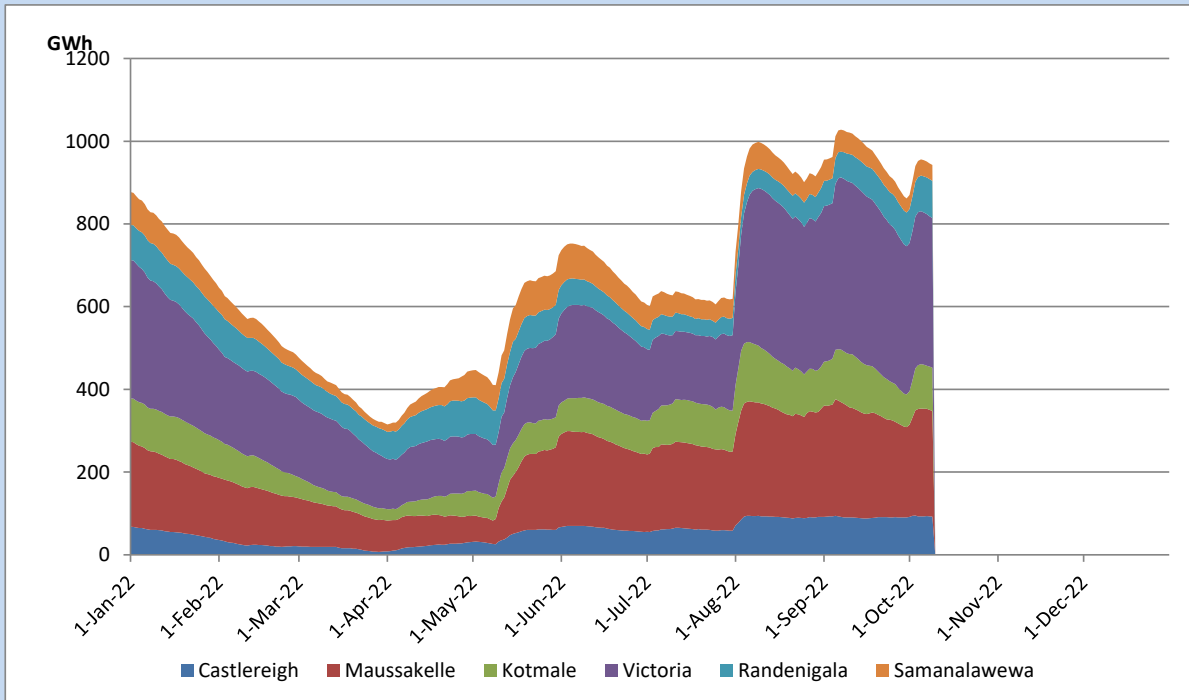


|                       |           |
|-----------------------|-----------|
| Total Reservoir Level | 942.3 GWh |
| % of Total capacity   | 78.2%     |

## Comparison of Total Reservoir Storage Levels with Past Years

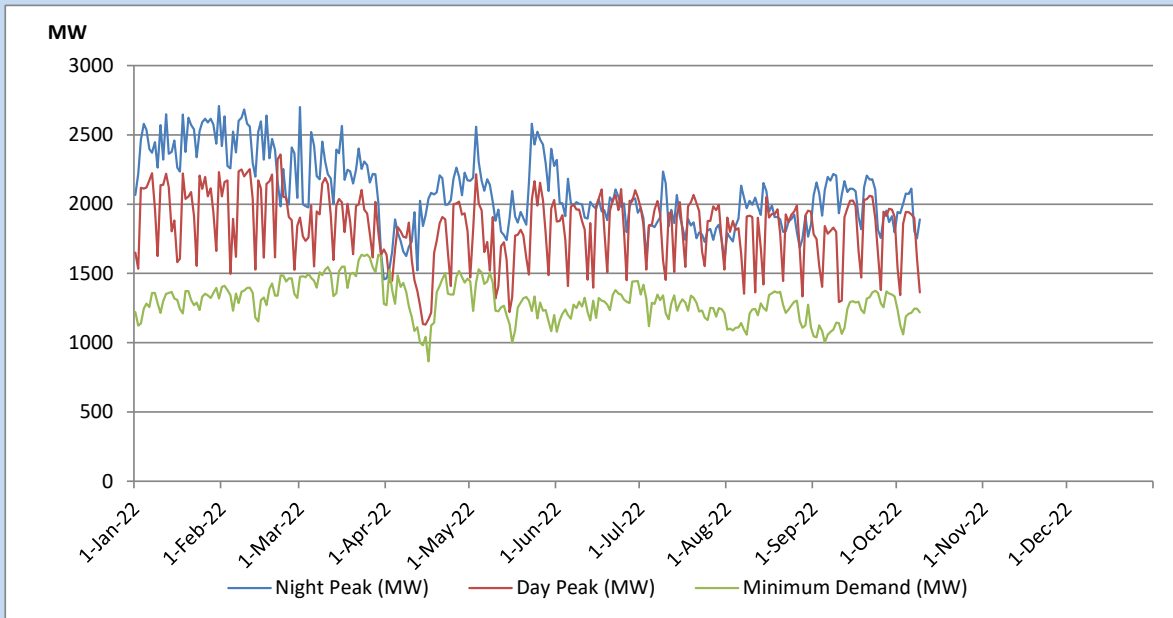


## Variation of Major Hydro Reservoir Levels in the current year (GWh)





## Variation of Demand during the current year

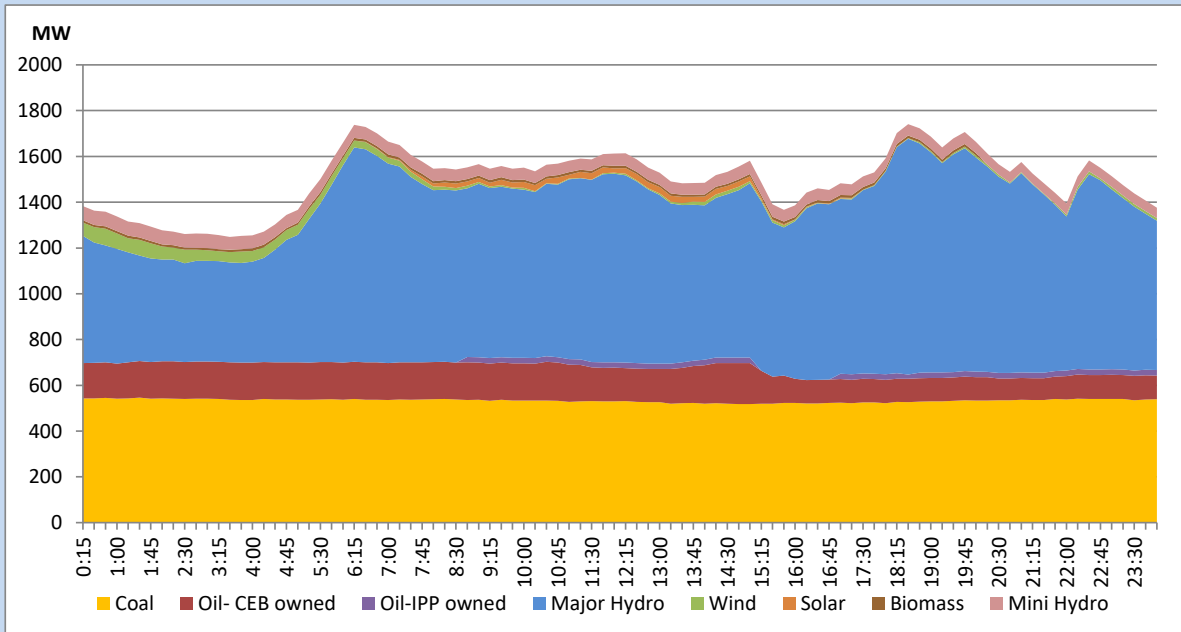


The above figures are excluding contribution from Roof Top Solar, 1MW solar, certain Wind plants and Mini Hydro plants

## Daily Load Curve of the Previous day

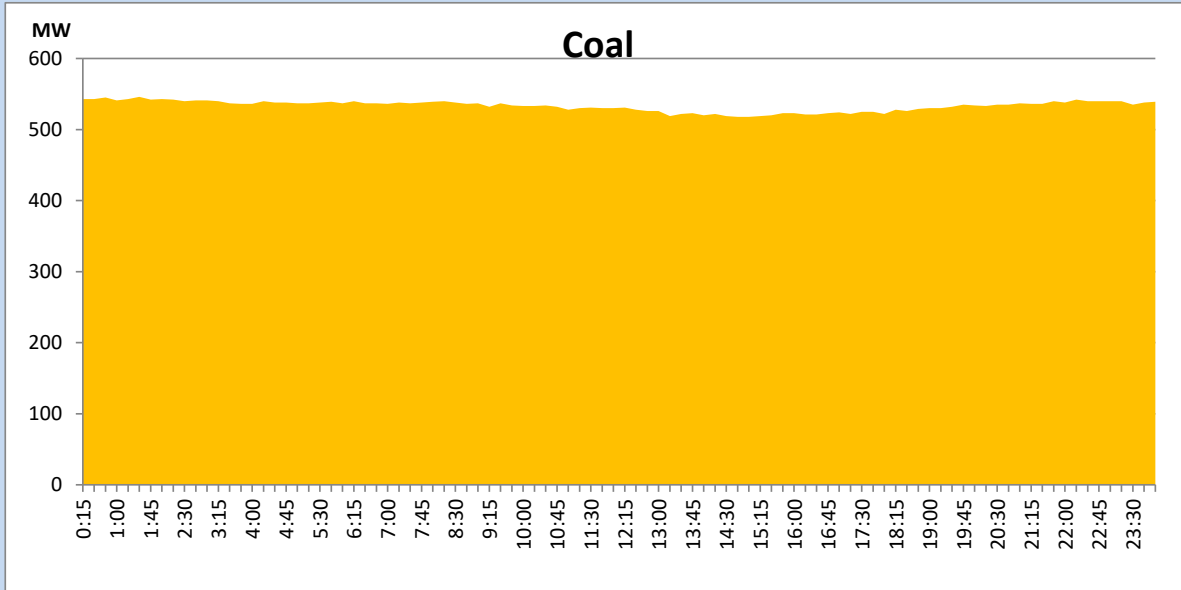
October 8, 2022

Solar and wind data is based on Telemetered Power Stations only



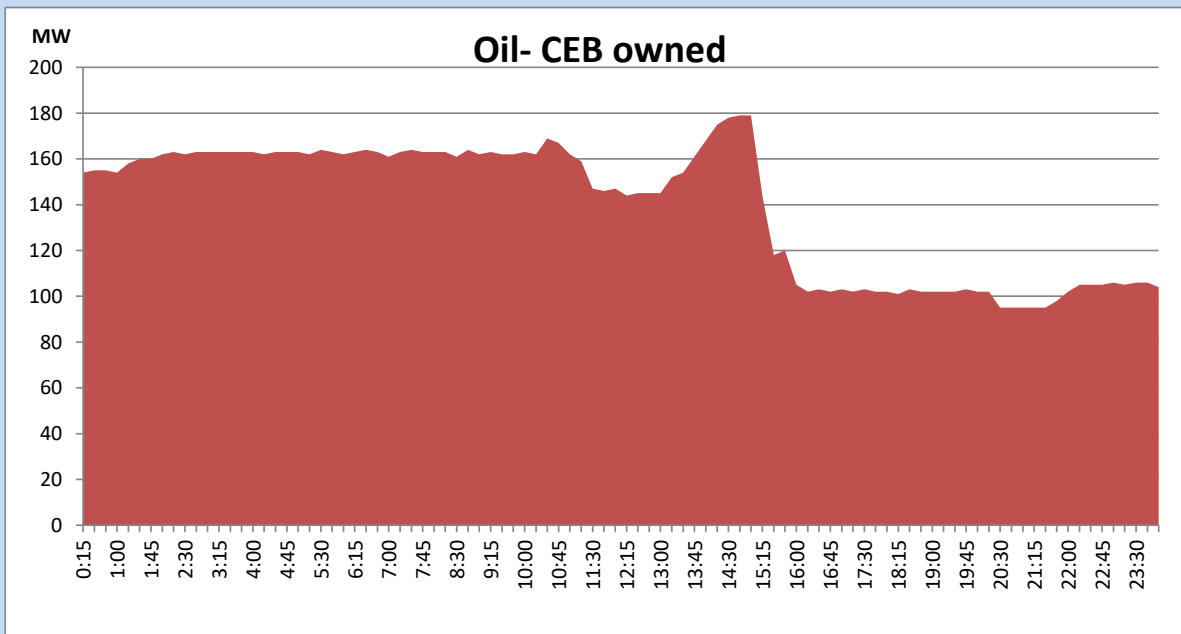
## Coal Generation during the Previous day

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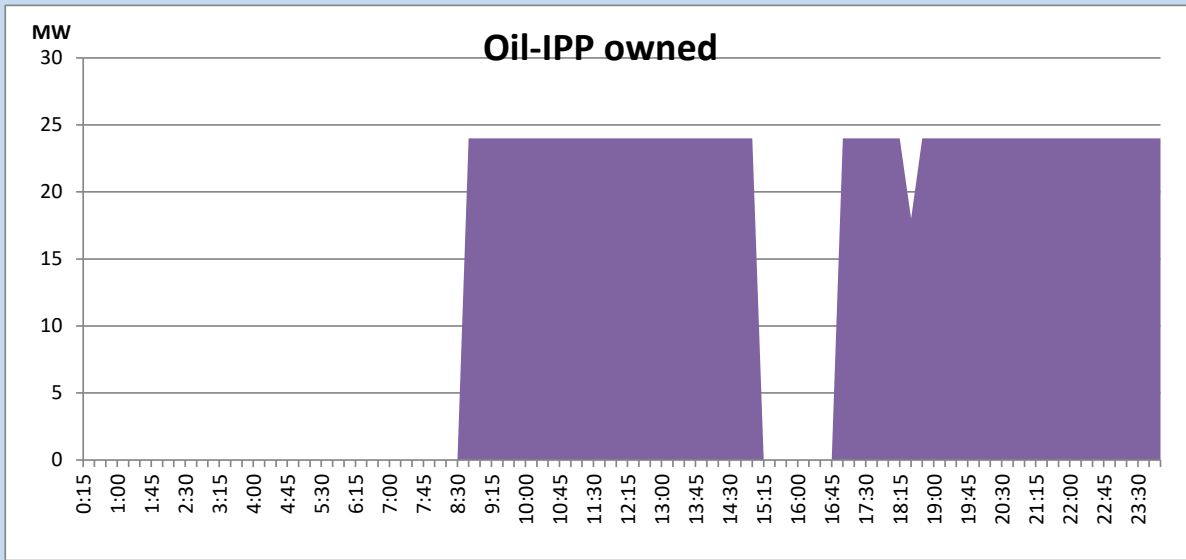
## CEB Oil Plant Generation during the Previous day

October 8, 2022



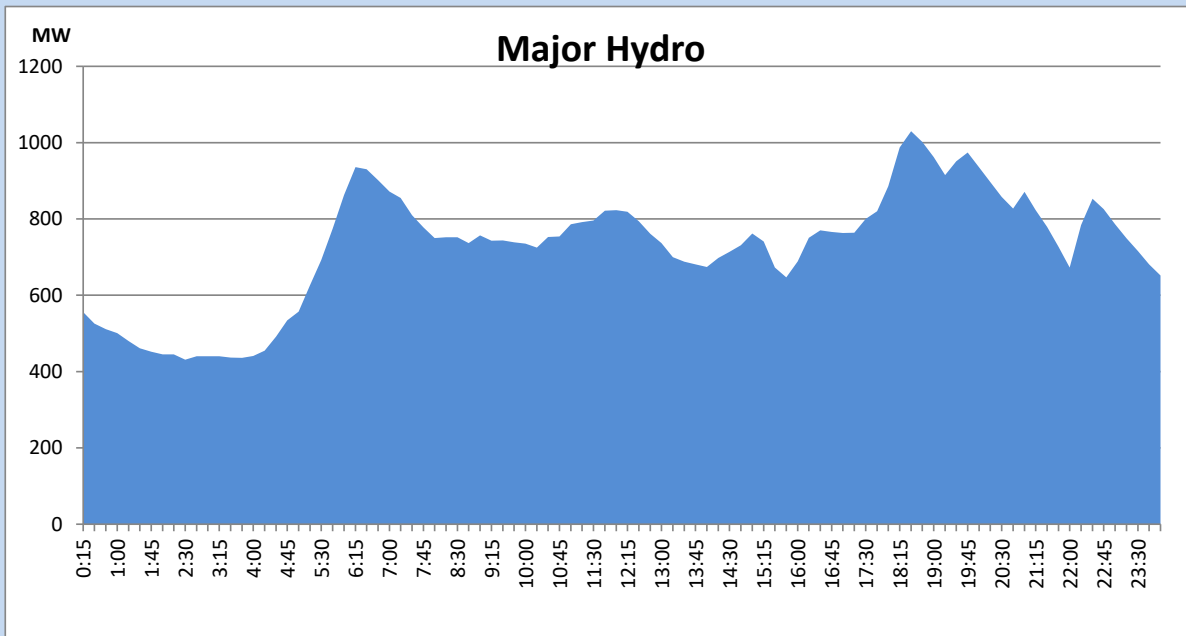
## IPP Oil Plant Generation during the Previous day

October 8, 2022



## Major Hydro Generation during the Previous day

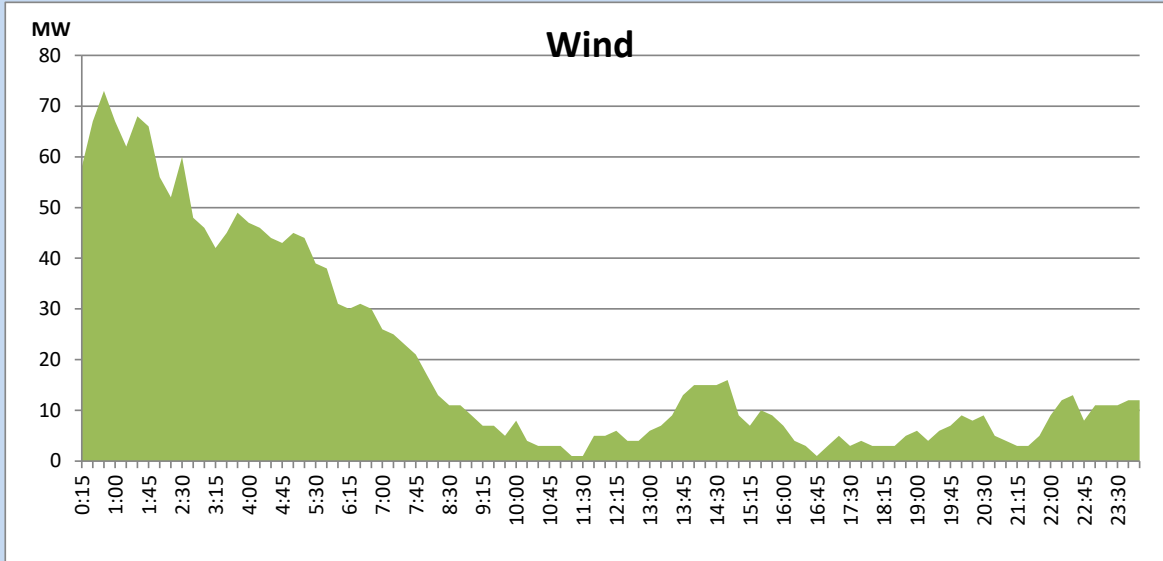
October 8, 2022



## Wind Generation during the Previous day

October 8, 2022

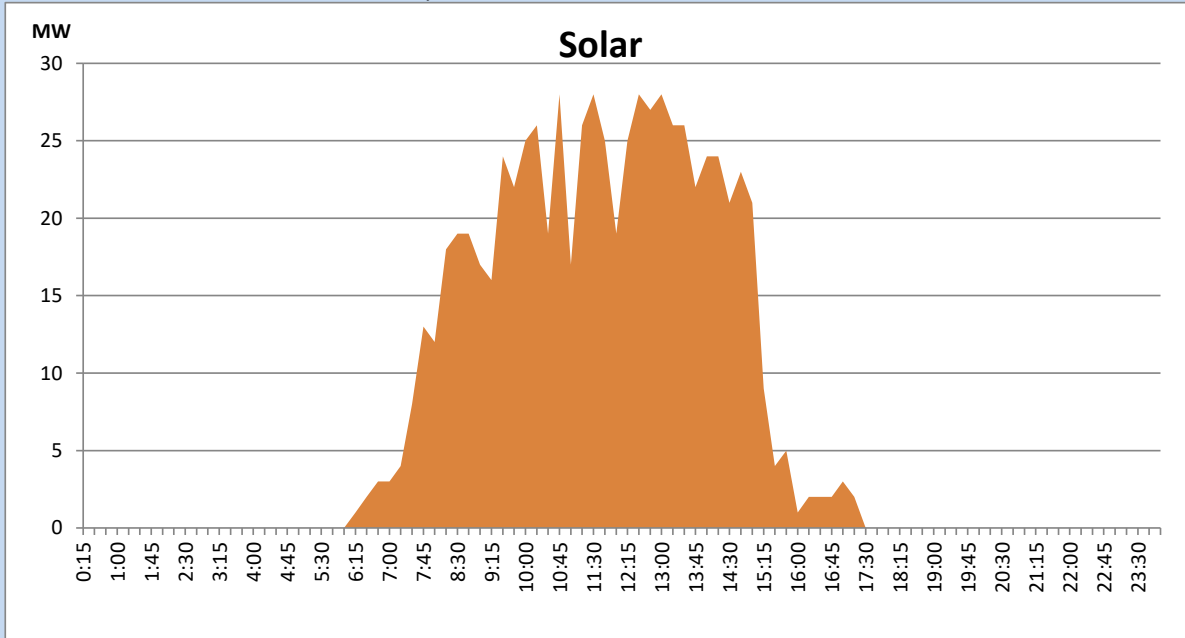
Based on Telemetered Power Stations only



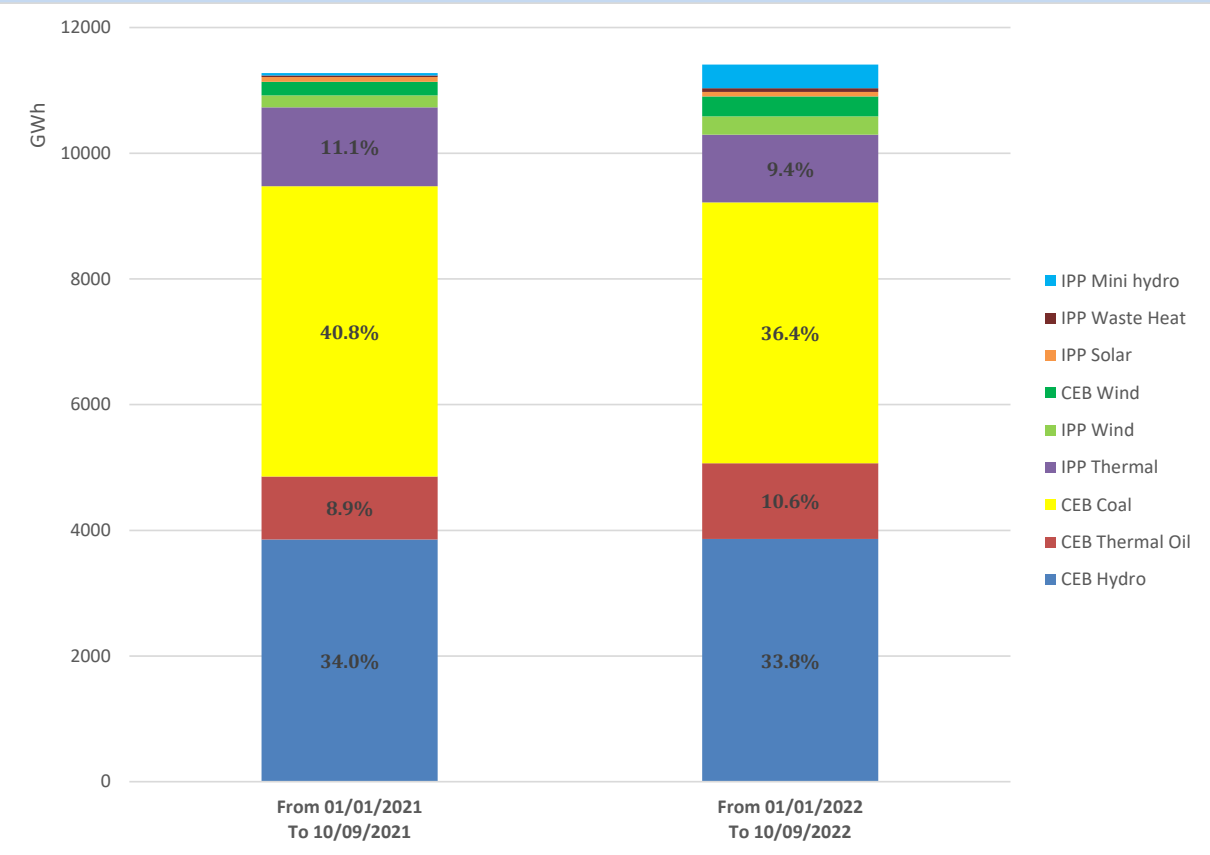
## Solar Generation during the Previous day

October 8, 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 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      |                          |
| Sojitz - Kelanitissa | Auto Diesel              |
| West Coast           | Auto Diesel / Heavy Fuel |
| ACE Matara           | Heavy Fuel               |
| ACE Embilipitiya     | Heavy Fuel               |

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

October 10, 2022

1) Trincomalee GSS 132/33kV T/F 01 tripped at 06:09hrs due to the operation of differential protection. The T/F 01 normalized at 09:05hrs.