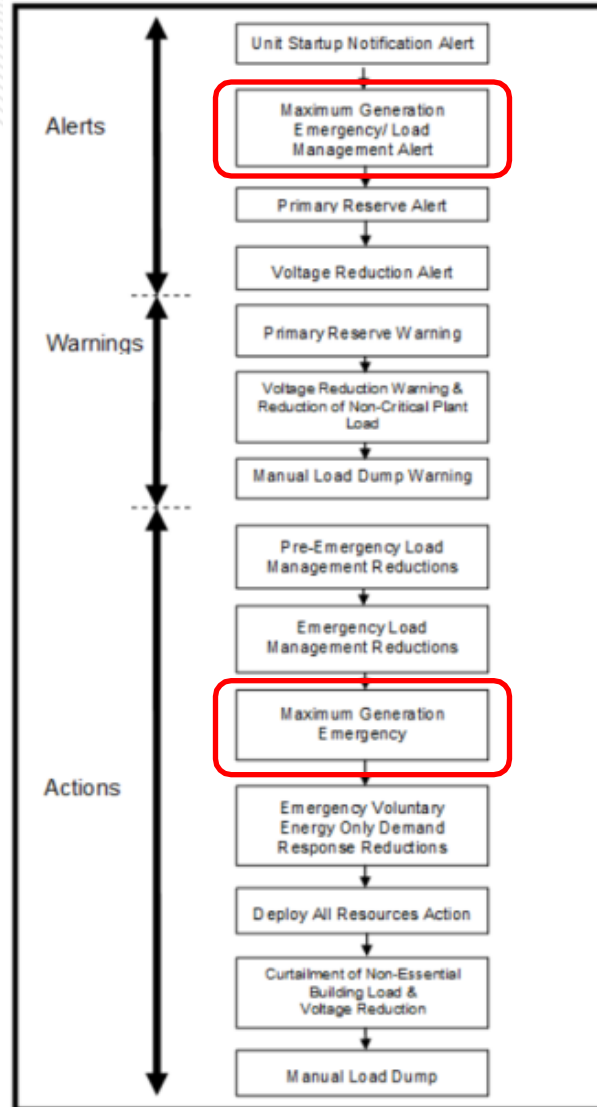




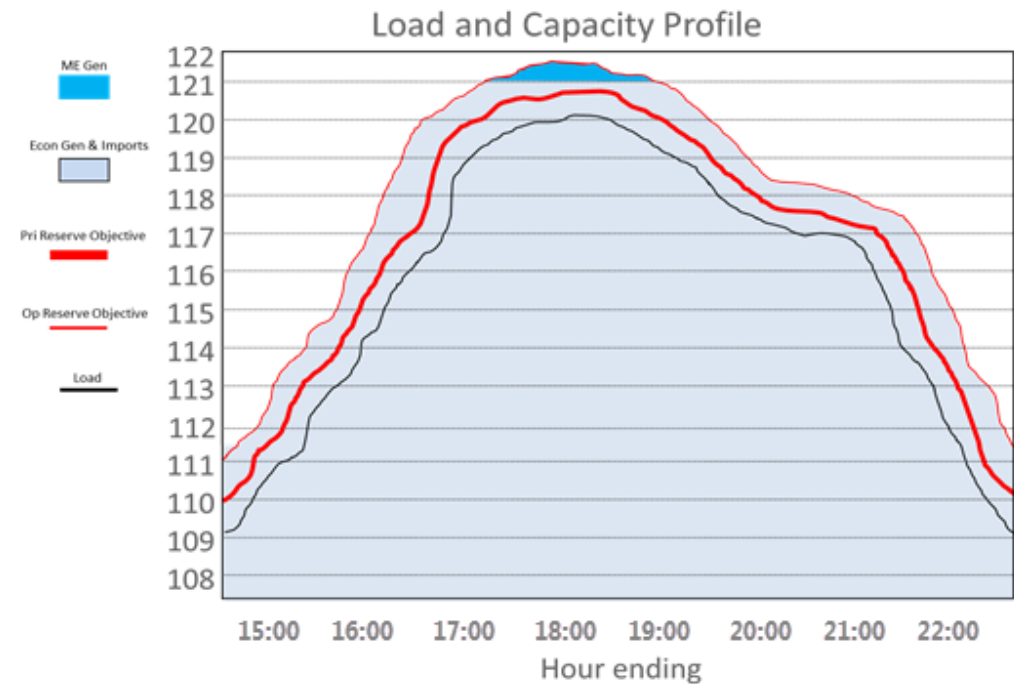
# Purpose and Utilization of Maximum Emergency Generation in Dispatch

Donnie Bielak  
Sr. Manager, Dispatch

Operating Committee  
April 14, 2022



- Purpose
  - To provide an early alert that system conditions may require the use of the PJM Emergency Procedures
- Trigger
  - When Maximum Generation Emergency is called into the operating capacity, or if Demand Response is projected to be implemented
    - Operating Reserve Requirement is greater than scheduled Operating Reserve



- Calculate DASR Report
- If Operating Reserve not met, Maximum Emergency Generation then considered
  - **Maximum Emergency Generation** is calculated as follows:
    - [Maximum Emergency Limit] – [Economic Maximum Limit]
- All-Call
- Emergency Procedures Posting
- Issued one or more days in advance of the operating day



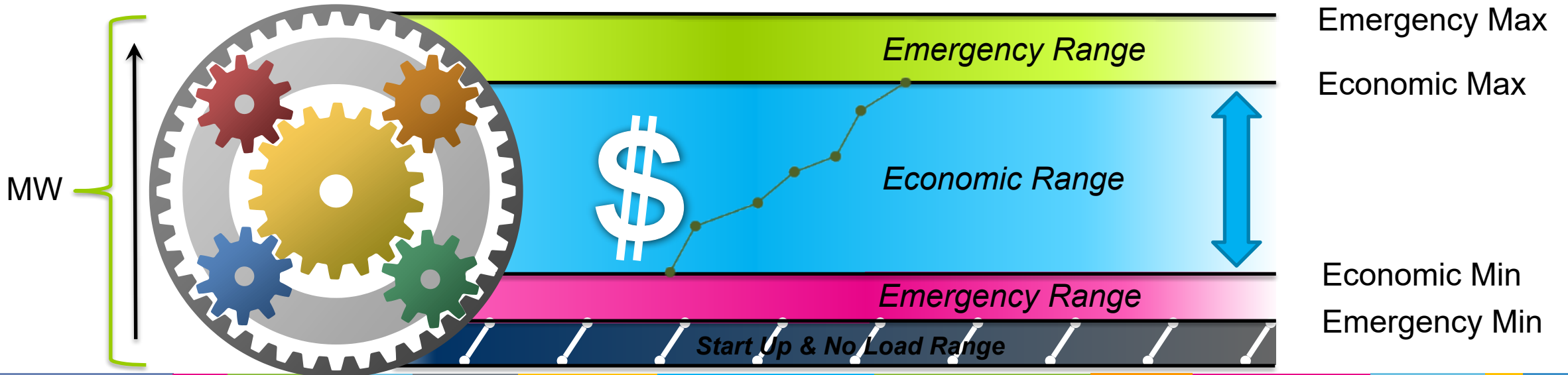
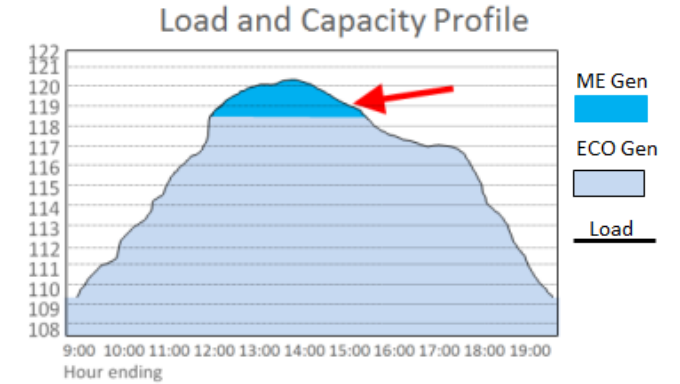
# Maximum Generation Emergency Action

Purpose:

To increase generation above the maximum economic level

Trigger:

Real-time Generation is needed to meet the load demand that is greater than the highest incremental cost level



Example Generator Economic vs. Emergency Ranging

- All-Call
- Emergency Procedures Posting
- An Action can be issued for the entire PJM RTO, specific Control Zone(s) or a subset of a Control Zone if transmission limitations exist
- Maximum Emergency Generation can be requested of steam and CT resources independently
- Issued within operating day

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## **Purpose and Utilization of Maximum Emergency Generation in Dispatch**

### **Member Hotline**

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com



**PROTECT THE  
POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
(610) 666-2244 / [it\\_ops\\_ctr\\_shift@pjm.com](mailto:it_ops_ctr_shift@pjm.com)

