



# **Demand Response Activity December 23 and 24, 2022**

**Demand Response Operations  
May 2, 2023**



# Load Management Deploy and Release Times

- RTO-wide Load Management dispatched by PJM on December 23 and 24, 2022.
- Load Reduction expected to be fully implemented by the Start Time:
  - December 23:

Notification Time	Start Time	End Time	Resource Type	Lead Time
17:30	18:00	22:00	Pre-Emergency	Quick (30 minutes)
17:30	18:00	22:15	Pre-Emergency	Quick (30 minutes)
17:45	18:15	21:30	Emergency	Quick (30 minutes)
18:00	19:00	21:30	Emergency	Short (60 minutes)
18:00	19:00	22:00	Pre-Emergency	Short (60 minutes)
18:00	19:00	22:15	Pre-Emergency	Short (60 minutes)

- December 24:

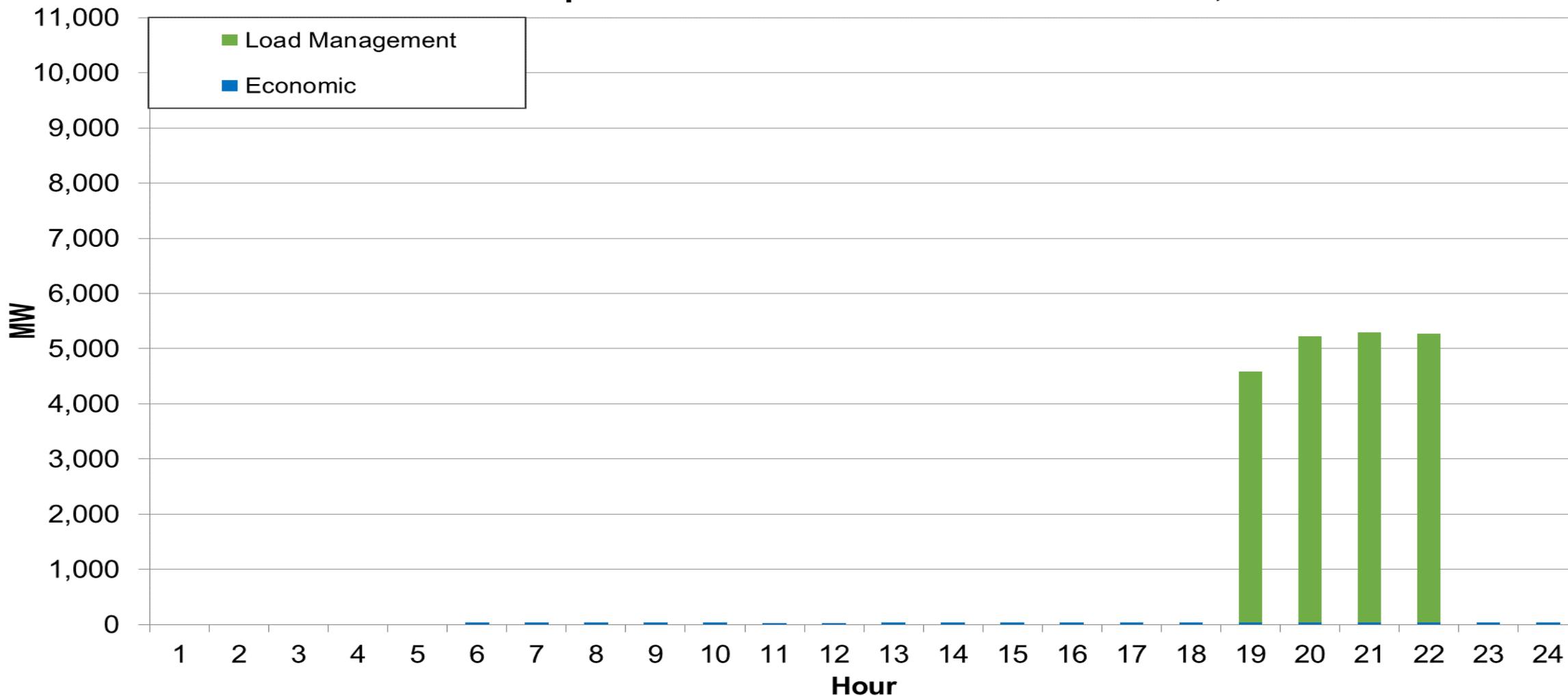
Notification Time	Start Time	End Time	Resource Type	Lead Time
4:20	6:20	19:30	Emergency / Pre-Emergency	Long (120 minutes)
4:20	6:20	19:45	Emergency / Pre-Emergency	Long (120 minutes)
4:20	6:20	20:15	Emergency / Pre-Emergency	Long (120 minutes)
4:20	6:20	20:30	Emergency / Pre-Emergency	Long (120 minutes)
5:00	6:00	19:30	Emergency / Pre-Emergency	Short (60 minutes)
5:00	6:00	19:45	Emergency / Pre-Emergency	Short (60 minutes)
5:00	6:00	20:15	Emergency / Pre-Emergency	Short (60 minutes)
5:00	6:00	20:30	Emergency / Pre-Emergency	Short (60 minutes)
5:30	6:00	19:30	Emergency / Pre-Emergency	Quick (30 minutes)
5:30	6:00	19:45	Emergency / Pre-Emergency	Quick (30 minutes)
5:30	6:00	20:15	Emergency / Pre-Emergency	Quick (30 minutes)
5:30	6:00	20:30	Emergency / Pre-Emergency	Quick (30 minutes)

- Load Management mandatory event. Load reductions eligible for penalties, bonus payments and energy settlements.
  - Load Management is required to consume at or below their firm service load level to avoid a capacity non-performance charge
    - This may include reducing load and/or postponing power consumption to stay below the firm service load level
  - Capacity load reduction based on Winter Peak Load minus Firm Service Level
- Load Management load reductions on the following charts based on actual meter data submitted by Curtailment Service Providers.
- Load Management events spanned 2 days and totaled 23 hours of load reductions.
- All actual Real-Time/Day-Ahead activity from Economic Demand Response registrations across PJM for all dates.

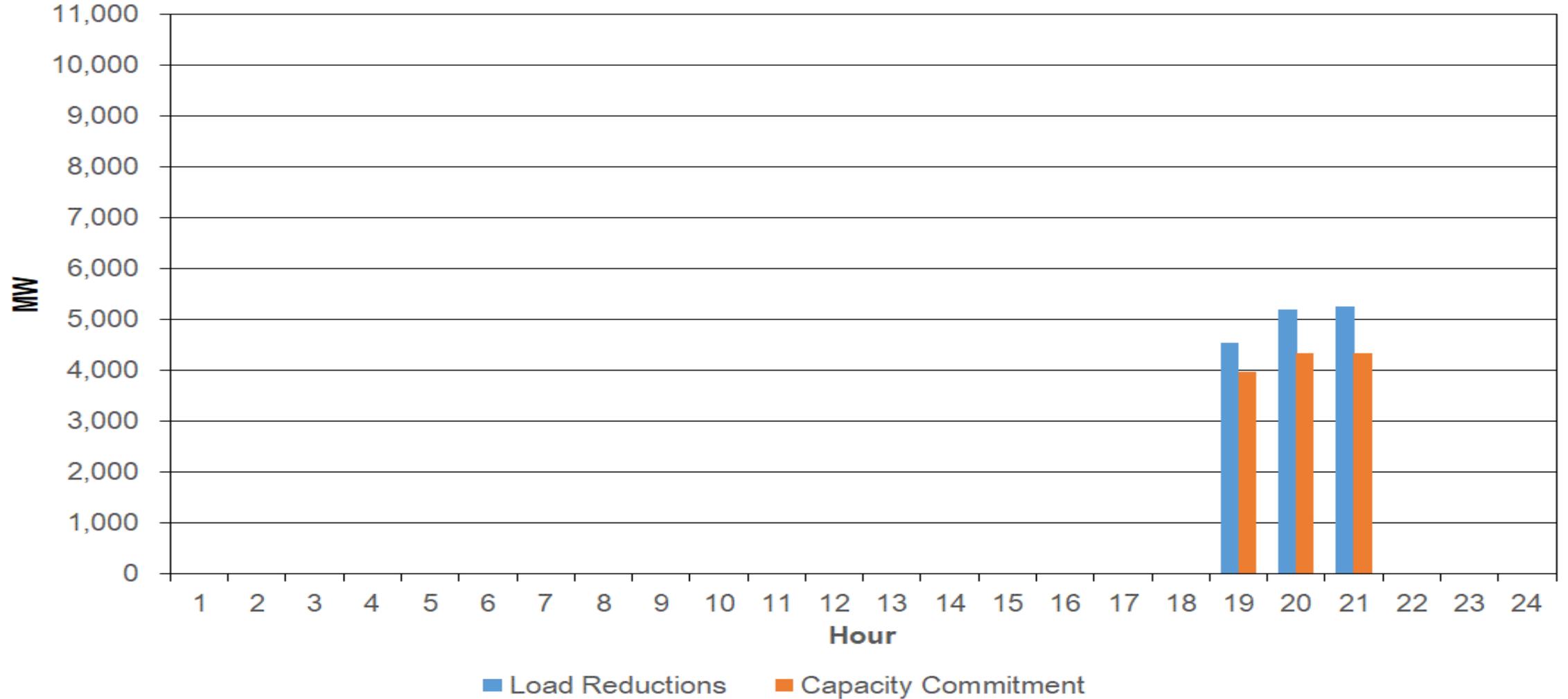
\*See following link for historic specific deployment times for each zone and lead time:

<http://www.pjm.com/planning/resource-adequacy-planning/~//media/planning/res-adeq/load-forecast/alm-history.ashx>

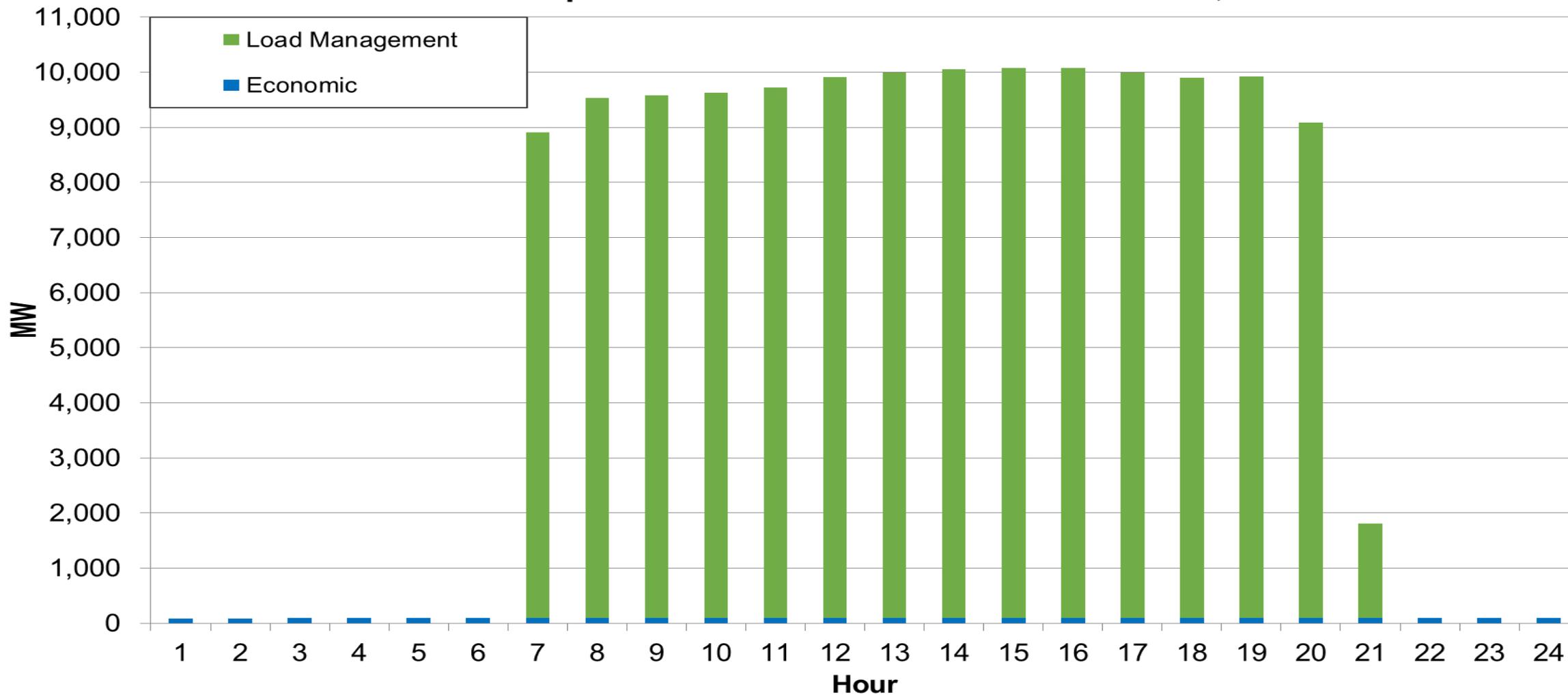
## Total Demand Response Reductions in PJM: December 23, 2022



### Load Management Performance: December 23, 2022



## Total Demand Response Reductions in PJM: December 24, 2022



### Load Management Performance: December 24, 2022

