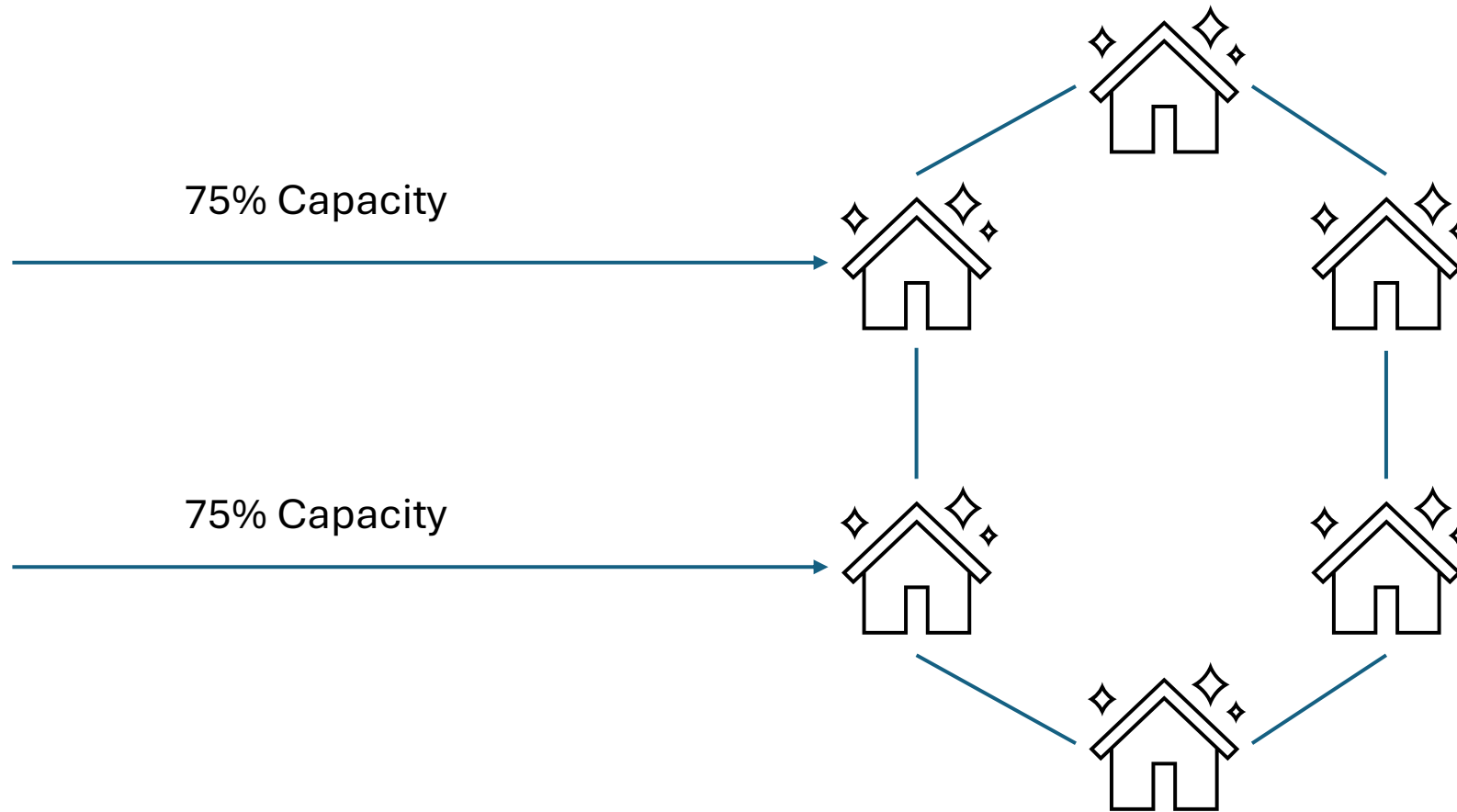


Load Shed Plan

Naperville Electric Utility, 2025

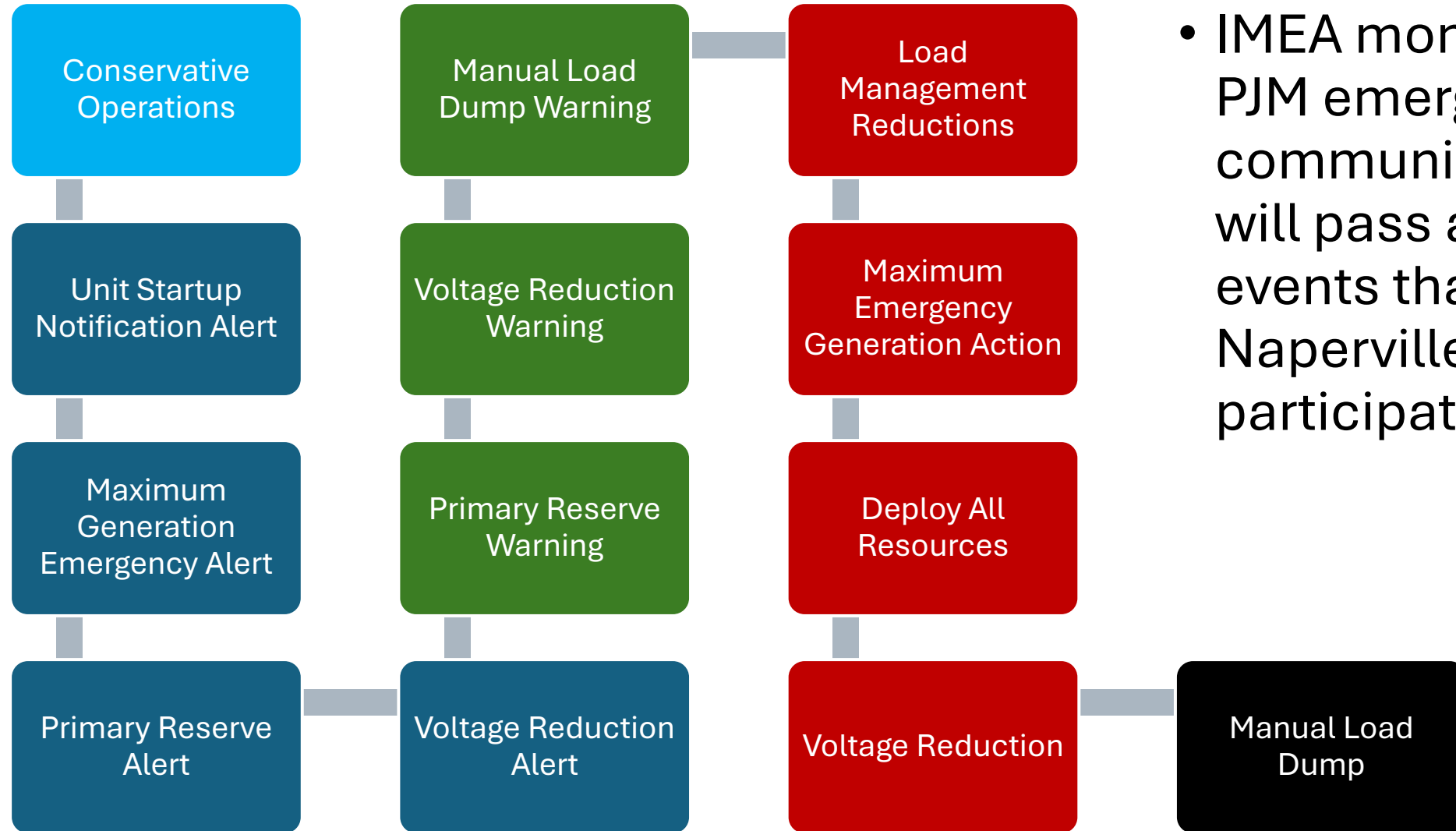
Line Loading



Load Shed Plan

- Load shed is an emergency procedure of last resort.
- It is a controlled interruption of power to customers to prevent an overall system collapse.
- Load shed may be performed at every level, from the Naperville Control Room to ComEd, to PJM.
- Naperville maintains guidelines for load shed for external or internal emergencies.

Load Shed: PJM Process



- IMEA monitors all PJM emergency communications and will pass along any events that require Naperville's participation.

Naperville 138kV Transmission System

- Naperville gets its energy from ComEd through connection points on the Northwest, southeast and southwest sides of the city.
- Naperville may elect to use voltage reduction techniques to lower the power demands of the city, reconfigure our system to supply power from another source, or start emergency generation.
- How and what we curtail is dependent on the system constraint.

Load Shed Priorities

- The goal of the Naperville Load Shed plan is to maximize the effect of load relief and affect the smallest number of customers.
- Feeders associated with Edward hospital, senior living, and nursing homes are exempt from the load shed plan.
 - These feeders will remain energized and serving customers as long as the input power remains steady.
- Critical services such as police, fire and city facilities will be asked to turn on backup generation prior to the curtailment of their lines.

Load Shed Action

- When previous actions taken by the Naperville Electric Control Room, the city will commence load shed to provide relief.
- Load shed blocks are broken down into 8 sections. These areas will roll for 2-hour increments until no longer needed.

