

# Hosting Capacity Map Feature Recommendations

ITWG Meeting - May 22, 2025

# Agenda

- **576-Hour Hosting Capacity Analysis**
- **8760 Load Data Publication**
- **MVD Upgrade Information Transparency**
- **Visibility of Near-Term Capital Projects**
- **Line Protection Device Data**

# 576-hour Hosting Capacity Analysis

**Definition:** A “576-hour” HCA uses 24-hour load profiles on two representative days (one peak day and one min load day) for each of 12 months ( $24 \times 2 \times 12 = 576$  hours). This captures seasonal and daily extremes.

**Recommendation:** Adopt a 576-hour time-varying hosting capacity analysis to reflect seasonal and daily variability. [576 Profile Creation Example](#).

**Use Case:** Equip ESS projects with far granular HCA, allowing ESS projects to propose operations that support grid needs and meet economic opportunities.

## Discuss:

- What were the difficulties in previous efforts to create 576 analysis. What difficulties/concerns still exist today?
- What considerations can be made from ESS schedule that were finalized last November.

# Substation 8760 Load Data

**Use Case:** Use substation 8760 load data for flexible IX assessment and energy storage assessment.

**Recommendation:** Provide current and forecasted 8760 substation data

## **Currently Available data:**

- National Grid: Feeder level 8760 data where SCADA exists on a feeder
- Avangrid: Presently no 8760 load data is shared
- Central hudson: Presently no 8760 load data is shared
- Con Edison: Network-level 8760 forecasts
- ORU: Presently no 8760 load data is shared

# Visibility into Near-Term Capital Projects

**Use Case:** Identify imminent utility projects (CIPs) that relieve constraints and increase hosting capacity. Currently, such upgrades (substation upgrades, reconductoring, etc.) are buried in planning documents.

**Recommendation:** Include planned substation, reconductoring upgrades that increase hosting capacity within a 2-4 year time horizon on hosting capacity maps or linked dashboards.

## Discuss:

- How can developers learn about CIPs that soon can be eligible for MVD upgrades.
- How long will MVD upgrades be open/on the maps?
- When or what stage do CIP upgrades become finalized?
- How can developers best plan for future capacity increases?

# Visibility into Line Devices

**Use Case:** Understand upgrade scope of potential line upgrades by creating visibility into devices like reclosers, fuses, and voltage regulators that affect hosting capacity limits.

**Discuss:** If information on line devices (like number of reclosers, regulators, fuses, between POI and Substation, min rating) can be shared in notes section of hosting capacity map or as in a separate webpage.

Infrastructure > 36\_11\_27451  
**Infrastructures**  
4 items • Sorted by Infrastructure Name • Updated a minute ago

|   | Infrastructure Name ↑                         | Type ↑   |                          |
|---|---|----------|--------------------------|
| 1 | <a href="#">pole 32 1/2-000 COUNTY RTE 11</a> | Recloser | <input type="checkbox"/> |
| 2 | <a href="#">pole 39-000 STATE HWY 49</a>      | Recloser | <input type="checkbox"/> |
| 3 | <a href="#">POLE 78-000 STATE HWY 49</a>      | Recloser | <input type="checkbox"/> |
| 4 | <a href="#">POLE 88-000 STATE HWY 49</a>      | Recloser | <input type="checkbox"/> |