

# H.727 – Data Centers

---

House Energy and Digital Infrastructure | February 11, 2026

---

# Data Centers: Size & Location Matters



- ▶ A review process is in place in Vermont
- ▶ We studied adding 50-200MW at specific locations
  - ▶ A large data center is considered 20-100MW
- ▶ Over 50MW typically requires connection to the 115kV system
- ▶ GMP reviewed adding load at the following locations:
  - ▶ Williston GF Campus
  - ▶ New Haven adjacent to the New Haven VELCO substation
  - ▶ Vernon adjacent to the former VY site
  - ▶ Granite
  - ▶ West Rutland
- ▶ Results: we can add 50-200MW at these locations without significant system concern and can lower costs for customers

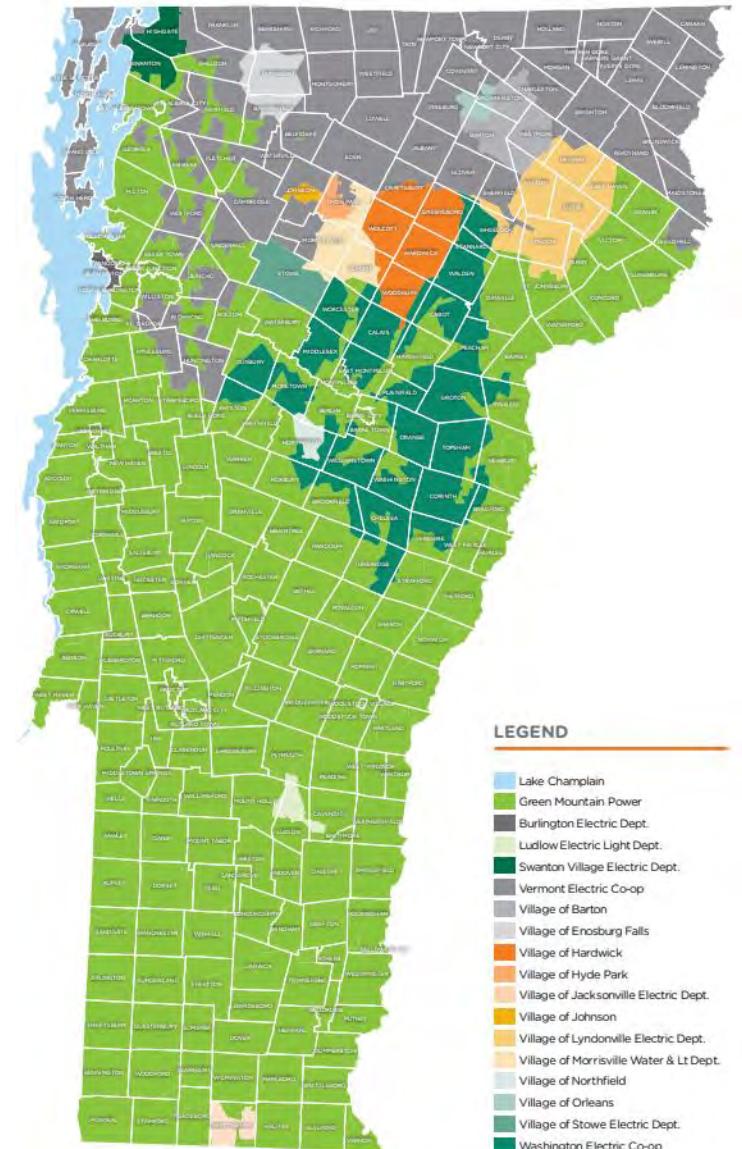
# Example: GMP Rate 70 for a Large Load

- GMP provides a variety of customer rate structures (residential, commercial, large commercial, etc.)
- Rate structures are developed using an allocation of costs associated with serving specific load sizes and profiles.
- We have an existing rate, Rate 70, that is designed for customers with high usage and demand. Includes:
  - Customer charge
  - Usage (peak/off peak)
  - Demand charge
- Under Rate 70, a typical large load customer would produce a **benefit** to fixed costs across the system.
- Increased usage could generate millions of dollars that would 100% flow to all customers, lowering costs through added electrification.

Customer Charge	\$223.717/day
Usage, Peak	\$0.12498/kWh
Usage, Off Peak	\$0.09610/kWh
Investment Charge, Peak Demand	\$6.046/month/kW
Investment Charge, Off Peak Demand	\$4.070/month/kW

# Overview of Interconnecting: GMP Service Territory

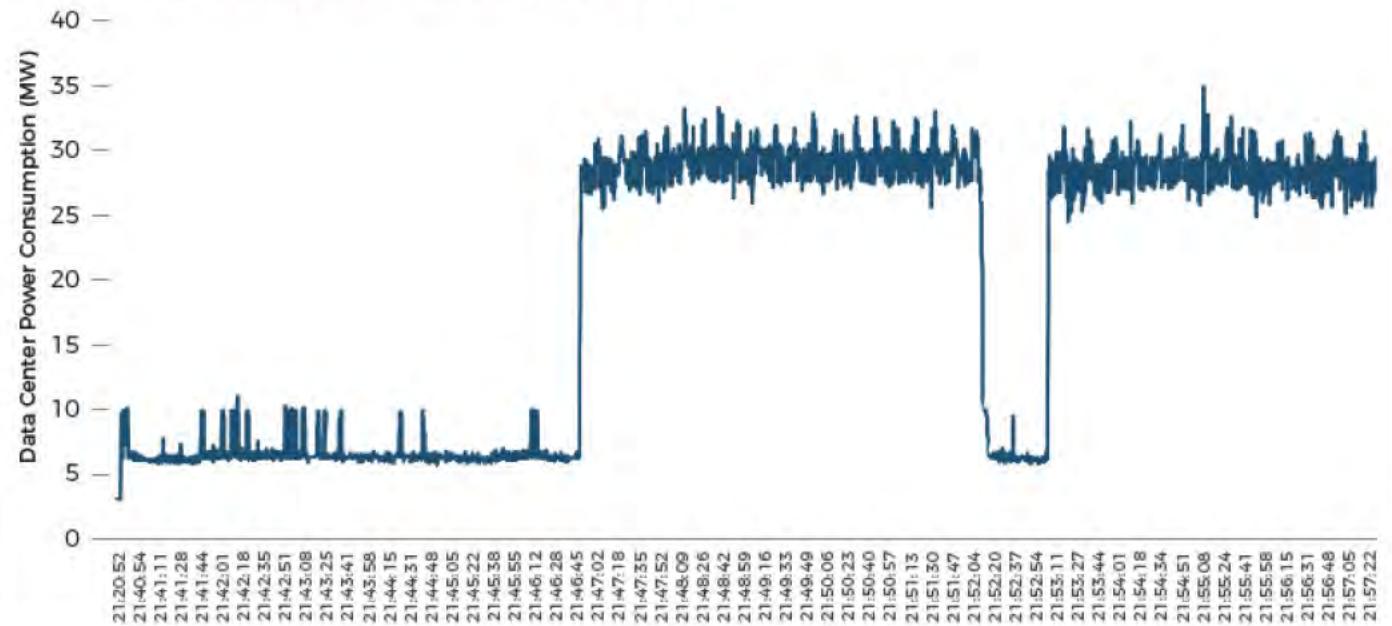
- There are 3 main interconnection processes to connect to GMP:
  - **Distribution**
    - Act 250 (Ability to Serve)
    - There are constraints that limit what size loads can be interconnected on distribution (substation transformers, etc.)
  - **Subtransmission**
    - Likely Act 248 if construction is required to interconnect
    - Could req
  - **Transmission**
    - Depending on size of large load, it may be most efficient to be served from 115 kV or higher. In that event, the interconnecting customer would follow VELCO's outlined process but would become a GMP customer.



# Connecting New Load

- ▶ Data Center loads can appear as block loads with high load factor and relatively constant block loads.
- ▶ Data centers can also have blocks of load that switch on and off through the day.
- ▶ Both types of load can be reliability interconnected to the system, creating benefits for customers.

FIGURE 2.3. AI Training Power Consumption Example



Example Data Center load



# Questions?

---

**Candace Morgan | 802-488-4111**

**[Candace.Morgan@GreenMountainPower.com](mailto:Candace.Morgan@GreenMountainPower.com)**

**Cam Twarog | System Planning Engineer**

**[Cam.Twarog@GreenMountainPower.com](mailto:Cam.Twarog@GreenMountainPower.com)**