

Generation Constraint Subcommittee Data “Wish List”

Information to help better understand the constraint in Vergennes:

- Vergennes transformer hourly loading for the past year.
- Hourly production for each type of generation resource for the past year.
- Installed capacity growth (MW per month) for each type of generation resource during the past year.
- Installed capacity growth (MW/MWH per month) of storage during the past year.
- Gross load or net load (MW) for each hour during the past year.

Information to help understand whether substations are close to being constrained and how widespread constraints might be:

- Installed capacity as of today for each type of generation and storage resource
- Calculated or measured maximum gross load as of today and the time at which it occurred
- Load curve for the day where the maximum gross load occurred
- Calculated or measured minimum gross load as of today and the time at which it occurred
- Load curve for the day where the minimum gross load occurred
- Measured maximum net load as of today and the time at which it occurred
- Load curve for the day where the maximum net load occurred
- Measured minimum net load as of today and the time at which it occurred
- Load curve for the day where the minimum net load occurred
- Do we have head room before a constraint is reached? If yes, how much head room do we have?
- Is the system currently constrained? If yes, where is the constraint located (radial distribution feeder, distribution station transformer, network subtransmission line, etc)? what is the cause of the constraint? What is the potential solution to the constraint, its estimated cost and the amount of time needed to implement it? How frequently is the system constrained? How long are the constraints when they occur? What time of day and what season do the constraints occur?

Information to help understand impacts to solar development:

- 1) Provide data that shows percent of projects that do not get completed. Include breakdown showing the percent of projects that do not get completed because of constraints imposed by the T&D system.
- 2) Provide data on how many projects don't actually build to the full capacity of their CPG.