

VSPC Generation Constraint Organizational Meeting

April 9, 2019 | 9:30am-12:30pm | Burlington Electric Department Spark Space

Participants: J.J. Bendett (EVT), Ryan Darlow (VERA), Dave Farnsworth (RAP), Ed McNamara (DPS), Melissa Bailey (VPPSA), Cyril Brunner (VEC), Scott Rolland (DRM), Josh Castonguay (GMP), Craig Ferreira (GMP), Hantz Pr sum  (VELCO), Jay Pilliod (VEIC), Bill Powell (WEC), Mike Wickenden (Residential rep), Kim Jones (GMP), Dave Westman (VEIC), Nathaniel Vandal (Supply rep), Steve Litkovitz (GMP), Lou Cecere (VELCO), James Gibbons (BED), Shana Louise (VELCO)

By Phone: Derek Moretz (Encore Renewables), Molly Connors (ISO-NE), Anne Margolis (DPS), Dave Kopin (Utility Services), Rip Kirby (DPS), Eric Harrold (VELCO)

Meeting Minutes:

The group discussed pain points of the current state of generation constraints, followed by a discussion of what successful integration of distributed resources could look like.

A-State	B-State
<ul style="list-style-type: none">o Infrastructure costso Use of Vermont system capacity to meet other states' renewables goalso Lack of clarity around grid choreography technologieso Uncertainty on time-based efficiency measureso Lack of consistency between DUs on interconnection requirementso Technical challenges of decrease in ratio of load to generationo Economic impact of curtailment and LMP reduction to ratepayerso Misalignment between market actors and markets, multiple playing fields	<ul style="list-style-type: none">o 90% by 2050 goal meto B State is achieved at least costo Generation siting decisions have no negative economic impact to other partieso Alignment between market actors and actions; level playing fieldo Financeable projectso Coordinated and planned deployment of resourceso No increase in rates

Ed McNamara provided an overview of the DPS proposal on the subcommittee's purpose, process and deliverable. The following ideas came out of the group discussion:

- o The purpose of the group is to review potential least-cost policies that could be used to unlock generation constrained areas, including feasibility, costs, benefits and potential reliability concerns.
- o Will not address cost allocation, rather assume that same principles apply (cost causer pays)
- o Determine if certain resources (load, generation, efficiency) are worth more in certain locations
- o Implementing different residential rates by location or region is not desirable
- o Need to determine how a generation constraint is defined
- o **Different planning entities in the state use different methods of dividing up the state into regions (electrical zone, county, RPC area)**

- Possible for an area to be import- or export-constrained at only certain times
- Complexity of adding a Vermont-only SHEI-specific curtailment structure on top of the ISO curtailment structure
- Expectation that Vermont subtransmission and distribution infrastructure will necessitate curtailment or other mitigation before transmission infrastructure in many areas of the state
- Less solar applications for areas already constrained on GMP's solar map, but with a robust group study process, more potential projects than visible currently might be feasible when studied together
- Inclusion of results in the 2021 Long Range Transmission Plan – what are the conclusions of the group, and what are the impacts on the transmission system. Expectation of objective data, conclusions, and analysis, that can be used by any party for other work
- Suggestion to use Addison County area as a proxy to apply potential solutions
- What are the tools – gain understanding as a group about properties of the tools available
- Need consensus on pros, cons, and feasibility of options

Next steps:

- Department to share draft charter via email for group feedback by end of April. Subcommittee will meet in May to review and develop consensus
- VSPC staff to set up subcommittee library on VSPC website