


V S P C

Vermont System  
Planning Committee

*All grid solutions considered*

October 25, 2023  
9:30am – 2:30 pm



# Geographic Targeting Subcommittee

Shana Louiselle, VELCO

# Annual geographic targeting recommendation letter

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- ▶ Draft in package recommended for adoption by full VSPC
- ▶ Summary
  1. No newly identified area “screens in” using the applicable screening tools for the potential to be resolved with non-transmission alternatives.
  2. With regard to the status of current geographically targeted energy efficiency, no area is currently targeted, thus, no recommendation is needed regarding continuation or discontinuation of a current project.
  3. No new areas have been identified where geographically targeted energy efficiency has the potential, as defined by the applicable screening tools, to cost-effectively avoid or defer an infrastructure project, so no new geographical targeting of energy efficiency should be undertaken.

# Load Forecasting Subcommittee

Hantz Pr sum , VELCO

# Coordinating Subcommittee

Shana Louiselle, VELCO

# 2024 meeting dates

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- ▶ January 24, 2024 – Delta Hotel, Burlington
- ▶ April 17, 2024 – Middlebury
- ▶ July 17, 2023 – Trapp Family Lodge, Stowe
- ▶ October 23, 2023 – Killington Grand Hotel, Killington

# PUC Public Member Appointments

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- ▶ On July 31, the PUC designated the following appointment:
  - ▶ Susan Paruch, Residential Representative Alternate
- ▶ Commercial Representative is still open
  - ▶ Letters of interest should be sent to Business Manager, Vermont Public Utility Commission, at [puc.businessmanager@vermont.gov](mailto:puc.businessmanager@vermont.gov)
  - ▶ Letters of interest should describe the applicant's qualifications to represent that group and explain the applicant's reasons for wanting to serve on the VSPC.

<https://puc.vermont.gov/news/vermont-public-utility-commission-seeks-members-serve-electric-system-planning-committee-0>

# Policy & Project Updates

PUC Memorandum on transmission planning guidance (Shana Louiselle, VELCO)

PUC Energy Storage Webinar Series (Shana Louiselle, VELCO)

Renewable Energy Standard Working Groups (Lou Cecere, PSD – Shana Louiselle, VELCO)

Franklin County Line Upgrade Project (Brian Connaughton, VELCO)

Grid Resilience and Innovation Partnership Program (Lou Cecere, PSD – Kerrick Johnson, VELCO)



# New PUC guidance to VELCO planning

- ▶ **Right sizing** – is new transmission infrastructure appropriately sized to address future electrification and supply-side resources
- ▶ **Microgrids** as a potential non-transmission alternative
- ▶ **New technologies** to increase the capacity of the existing transmission infrastructure (e.g. GETS)
- ▶ **Extreme weather** trends and resilience investments
- ▶ **Visibility of asset condition projects** (5-to-15 year forecasts)
- ▶ Alignment with **Environmental Justice Act's** broader objectives

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## MEMORANDUM

To: Mark Sciarrotta, VELCO  
From: Chair Anthony Z. Roisman, Commissioner Margaret Cheney, Commissioner Riley Allen  
Re: Next Long-Range Transmission Plan  
Date: August 21, 2023

The purpose of this memorandum is to provide guidance to Vermont Electric Power Company Inc.'s ("VELCO") planning process, including the development of the Long-Range Transmission Plan. The Vermont Public Utility Commission ("Commission") has been providing similar guidance to electric distribution utilities in the context of those utilities' integrated resource plans.<sup>1</sup> Given the interaction of the distribution and transmission systems and the fact that the existing VELCO planning process is a collaborative process involving all Vermont utilities and other stakeholders, it is important for the relevant guidance to be presented to the transmission system operator as well.

For example, the Commission is looking forward to future plans providing more information related to the impact of beneficial electrification, distributed energy resources, and resources that are increasingly weather-reliant and distant from loads. At the transmission level, this would include VELCO addressing:

- whether potential new transmission infrastructure is appropriately sized to address longer-term challenges associated with both electrification and new supply-side resources that could be remote or distributed in nature;
- how the potential expanded use of microgrids might affect the need for transmission modifications and additions;
- whether new technologies could be used to increase the capacity of existing transmission infrastructure rather than building new infrastructure; and
- how projected extreme weather trends affect the need for storm-hardening transmission investments.

<sup>1</sup> See, for example, the Commission discussion in the August 2, 2023, order in Case No. 22-4301-PET, *Petition of Village of Swanton, Inc., Electric Department for approval of its 2022 Integrated Resource Plan*.

# PUC Energy Storage Rule (21-3883): 5-Part Webinar Series

<p><b>November 2, 2023</b> 1:00 p.m. – 3:00 p.m.</p>	<ul style="list-style-type: none"> <li>- Intro to energy storage technologies, current and future development</li> <li>- Siting considerations, including visual and sound characteristics, and safety and interconnection issues</li> <li>- Use cases, environmental benefits and detriments</li> <li>- Federal legal considerations re: ISO-NE implementation of FERC orders 222 and 841 and implications for distribution utilities within the ISO</li> </ul>
<p><b>November 9, 2023</b> 1:00 p.m. – 3:00 p.m.</p>	<ul style="list-style-type: none"> <li>- Installation and operation Part I             <ul style="list-style-type: none"> <li>- Safety standards and/or codes applicable to different types of storage facilities</li> <li>- Communication protocols/telemetry required for interconnection to grid/distribution utilities</li> <li>- Decommissioning/recycling considerations for storage facilities</li> </ul> </li> </ul>
<p><b>November 16, 2023</b> 1:00 p.m. – 3:00 p.m.</p>	<ul style="list-style-type: none"> <li>- Installation and operation Part II             <ul style="list-style-type: none"> <li>- Grid interaction</li> <li>- Metering of storage facilities, charging and discharging</li> <li>- Sustainability/stability opportunities</li> </ul> </li> </ul>
<p><b>November 30, 2023</b> 1:00 p.m. – 3:00 p.m.</p>	<ul style="list-style-type: none"> <li>- Groupings and impacts on distribution network             <ul style="list-style-type: none"> <li>- Aggregation of storage facilities, operational considerations</li> <li>- Aggregation of storage facilities, interconnection considerations</li> <li>- Combining storage facilities with generation facilities, operational considerations</li> <li>- Combining storage facilities with generation facilities, interconnection considerations</li> </ul> </li> </ul>
<p><b>December 7, 2023</b> 1:00 p.m. – 3:00 p.m.</p>	<ul style="list-style-type: none"> <li>- Regional and National Best Practices             <ul style="list-style-type: none"> <li>- Other state efforts developing regulations for siting, interconnection, operation, and aggregation of storage facilities and their participation in wholesale markets and/or state retail incentive programs</li> </ul> </li> </ul>

