

VIA EMAIL and U.S. MAIL

April 18, 2018

David Carpenter
Facey, Goss & McPhee
71 Allen Street
Suite 401
Rutland, Vermont 05702

Re: SHEI-related document request

Dear Dave:

Thank you for your March 9, 2018 information request concerning the Sheffield Highgate Export Interface (“SHEI”). Please accept my apology for not getting this response to you sooner. A copy of this response is being posted on the Vermont System Planning Committee (“VSPC”) website (<https://www.vermontspc.com>).

1. Request: Description of maintenance-related outages from 2016 to present, including duration; description of lines/infrastructure taken out of service; whether the event was planned/scheduled or in response to an emergency; for planned events, anticipated frequency of each maintenance event (e.g., Essex STATCOM work won’t happen again for 20-25 years).

Response: VELCO has a non-public version of the requested information (it is also password-protected on the Independent System Operator-New England (ISO) website). Therefore, VELCO cannot make it available to you. However, a public version of general outage information can be found at:

<https://www.iso-ne.com/markets-operations/transmission-operations-services/transmission-outage-scheduling/>

2. Request. Hourly SHEI limit, all hours, at least for 2016-present.

Response: The real time five-minute binding constraints associated with system limits are available at:

<https://www.iso-ne.com/isoexpress/web/reports/grid/-/tree/constraint-rt-fivemin-final>

3. SHEI hourly limit data, if available for 2014-2015, even though prior to DNE.

Response: Please see response to Request 2.

4. Request. Specific MW decrease impact (or range of potential impact) on SHEI export limit of the 2016-2017 maintenance outages, to the extent this can be known. Ideally this would also include data at an hourly granularity, if available.

Response: VELCO believes that this information is Critical Energy Infrastructure Information (CEII) and/or protected under ISO's information protection rules.

5. Request. Distribution factor (DFAX) for each (or at least the major) Northern Vermont supply resource in respect to the SHEI interface.

Response. VELCO does not have this information.

6. Request. VELCO Transmission system map, at a detailed level.

Response: A publicly available map can be found at this link <https://www.velco.com/about/system-map>. More detailed maps are CEII protected.

7. Request. Formal protocols on scheduling maintenance on transmission system elements that could have a material effect on the SHEI constraint. This would include any information on the need to have elements out in the spring season, when loads can be low while renewable output can be high. And, if there is the ability and the going-forward intention to conduct planned maintenance as much as possible during periods of lower wind resource output (summer).

Response: VELCO does not currently have formal protocols of this kind, although it is in the process of developing a work process flow for scheduling actions.

8. Request. Informal communications about scheduling maintenance to accommodate spring (and possibly fall) season conditions and prevent or minimize "DNE" need because of the combination of low load and high resource output availability.

Response: Historically, VELCO has always sought (and informally communicated about) ways to minimize transmission maintenance impacts on generators. In late 2017, Green Mountain Power provided more specific time periods around which it sought flexibility with respect to VELCO's outage coordination. VELCO researched permissible ways in which to expand stakeholder involvement in the outage coordination process which has led to the drafting of the workflow document mentioned in Response 7. Consequently, VELCO has already adjusted planned maintenance in 2018 in order to minimize SHEI impacts.

9. Request. VELCO workpapers, if any, supporting Hantz Presume's statement to GMP in 6/5/17 email that "solar PV is not large enough to be a factor at this time or in the near future."

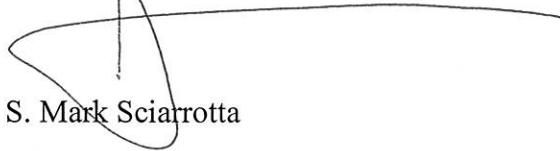
Response: VELCO has no such workpapers.

10. Request. Does VELCO have any insight into the likely transmission mitigating measures that will be installed, and by which years, to address generic SHEI issues? Any insight into how the Northern Vermont Export Study is likely to be used for practical planning purposes?

Response: VELCO has posted the results of the study of the 17 options and other combinations to the VSPC website. At this point, VELCO does not have any other insights to offer as to which solution or solutions are best to address the SHEI situation.

We hope this information is responsive to your requests.

Very truly yours,

A handwritten signature in black ink, consisting of a large, sweeping loop that starts under the 'y' of 'yours', goes up and over the 'y', then loops back down and under the 'y'.

S. Mark Sciarrotta