

Docket 7873 Working Group A Standard Offer Cap Exemption

November 14, 2012

10 a.m.–1 p.m.

Green Mountain Power, Montpelier

Agenda

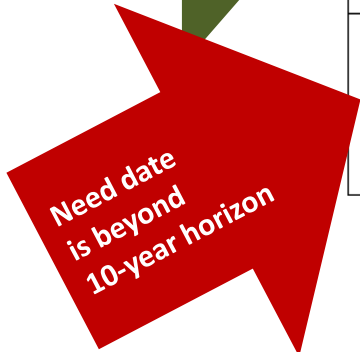
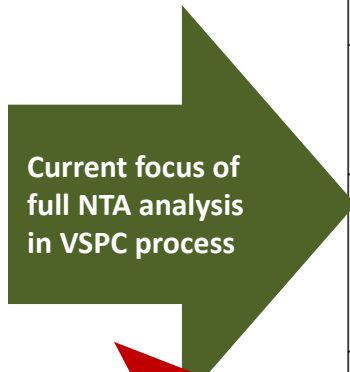
- 10:00 Clarify the group's charge/task.
- Regarding currently identified reliability issues.
 - Regarding future process for informing reliability gap analysis in future years.
- 10:20 Identification of the reliability issues under discussion based on 10/18/12 PSB memo.
- Issues identified in 2012 VT Long-Range Transmission Plan.
 - 4-10-year horizon for need.
- 10:30 Presentation by NTA Study Group evaluating the Central Vermont bulk transmission deficiency for NTA solutions.
- Presentation.
 - Discussion.
- 12:00 Description of the status of the identified subtransmission issues.
- --Hartford Area (GMP).
 - --Rutland Area (GMP).
- Discussion of the path forward regarding subtransmission issues.
- 12:30
- Refinement of questions to be answered by the group.
 - Discussion of process and timing for completion of group's charge.
- 1:00 Adjourn.

Clarifying the group's charge: PSB staff guidance in 10/18/2012 memo

- Which constraints: “...program initially limited to addressing those bulk transmission and predominantly bulk transmission constraints identified in VELCO’s Long Range Transmission Plan.” p. 2.
- Time horizon: “...initially focus on projects with need dates not less than four years, and not more than ten years.” p. 2.
- **Shall Group A frame its task based on this guidance? If so, the following two slides show the three relevant constraints.**

2012 Plan identified one **bulk system** issue with actionable potential for deferral by NTA

SUMMARY OF BULK SYSTEM REGIONAL GROUPING & TRANSMISSION SOLUTIONS	PROPOSED LEAD & AFFECTED DISTRIBUTION UTILITIES	ESTIMATED TRANSMISSION PROJECT COST & (VT SHARE) ⁹	SCREENED IN OR OUT OF FULL NTA ANALYSIS
Southeast Vermont <ul style="list-style-type: none"> Rebuilding the Vermont portion of the Vernon to Northfield 345 kV line, as part of a larger VT/NH/MA set of upgrades. 	<i>Lead: GMP¹⁰</i> <i>Affected: All VT</i>	\$6M (\$0.24K)	Out
Connecticut River Valley <ul style="list-style-type: none"> Construction of a second 115 kV line between Coolidge and Ascutney. 	<i>Lead: GMP</i> <i>Affected: All VT</i>	\$93M (\$3.7M)	Out
Central Vermont <ul style="list-style-type: none"> Construction of a second 345 kV line between Coolidge and West Rutland. 	<i>Lead: GMP</i> <i>Affected: All VT</i>	\$157M (\$6.3M)	In
Northwest Vermont <ul style="list-style-type: none"> Rebuilding the West Rutland to Middlebury 115 kV line Rebuilding the New Haven to Williston 115 kV line Rebuilding the Williston to Tafts Corner 115 kV line 	<i>Lead: GMP</i> <i>Affected: All VT</i>	\$221M (\$8.8M)	In



2012 Plan identified two **predominantly bulk system** issues with actionable potential for deferral by **NTA**

SUMMARY OF PREDOMINANTLY BULK SYSTEM & TRANSMISSION/SUB-TRANSMISSION SOLUTIONS	ESTIMATED COST (2012 NEED)	PROPOSED LEAD & AFFECTED DISTRIBUTION UTILITIES	SCREENED IN OR OUT OF FULL NTA ANALYSIS
Colchester area (preliminary solution) 34.5 kV line upgrades	\$1M	<i>Lead:</i> GMP <i>Affected:</i> GMP & BED	Out
St Albans/East Fairfax area Install a 115/34.5 kV transformer at Georgia	\$5M	<i>Lead:</i> GMP <i>Affected:</i> GMP & VEC	Out
Rutland area (preliminary solution) Install a 115/46 kV transformer at West Rutland, 46 kV capacitor banks, and rebuild 46 kV lines	\$35M	<i>Lead:</i> GMP <i>Affected:</i> GMP	In
Hartford area (preliminary solution) Install a 115/46 kV transformer at Hartford	\$20M	<i>Lead:</i> GMP <i>Affected:</i> GMP	In
Northern area Upgrade Newport station, Moshers Tap, and Irasburg transformer, install 46 kV cap banks	\$19M	<i>Lead:</i> VEC <i>Affected:</i> VEC, Enosburg, Barton, Orleans, Swanton	Out
IBM (preliminary solution) Reconfigure IBM taps to substations	\$20M	<i>Lead:</i> GMP <i>Affected:</i> GMP	Out
Vernon Road substation Install a 115 kV breaker at Vernon Road	\$2M	<i>Lead:</i> GMP <i>Affected:</i> GMP	Out

Focus questions

1. ID areas of load-driven T & subT constraints and their need dates.
2. ID wires solutions and estimate their cost.
3. Performance characteristics of viable solutions—
“equivalence.”
4. Where generation or load reduction could avoid or defer upgrades and quantity needed.
5. Energy efficiency potential not already in controlling forecast.