



Vermont System Planning Committee

Ensuring full, fair and timely consideration of non-transmission alternatives to address Vermont electric system reliability challenges.



**QUARTERLY MEETING
JUNE 9, 2010
9:30 A.M. – 4:00 P.M.
CAPITAL PLAZA
MONTPELIER, VERMONT**

Agenda




- **Approval of the minutes of the March meeting**
- **Action item: Response to PSB memo of 5/17/10**
 - Background on recent regional developments. (Hantz Pr sum )
 - Review of Project Priority List in light of regional studies.
 - NECPUC meeting feedback on VT presentation. (Bruce Bentley)
 - Review of and action on draft response to Public Service Board memo.
- **Subcommittee reports**
 - Energy Efficiency & Forecasting
 - Generation
 - Procedures
 - Public Participation
 - Technical Coordinating
 - Transmission
- **Project updates**

Project Priority List as filed

TIMING OF PROJECT STEPS FOR ALL IDENTIFIED RELIABILITY PROJECTS

	Year Needed *	Load MW Needed	Completed	CALENDAR QUARTERS											
				2010				2011				2012			
				1	2	3	4	1	2	3	4	1	2	3	4
Priority 1 : St. Johnsbury	pre 2009	400	T, N, SCI												
Priority 2 : Middlebury	pre 2009	700	T, N, SCI												
Priority 3A : St. Albans	pre 2009	850	T, N, SCI												
Priority 3B : Georgia substation	pre 2009	800			T		SCI								
Priority 3C : Georgia - St. Albans	pre 2018	1275	TBD												
Priority 4 : South Rutland substation / transformer	pre 2009	1000			T		N		SCI						
Priority 5 : Blissville - transformer	pre 2009	800	TBD**												
Priority 6 : Hartford - transformer	pre 2009	800								T	N		SCI		
Priority 7 : Ascutney substation	pre 2009	750				T			SCI						
Priority 8 : Newport capacitor	pre 2009	1000			T		SCI								
Priority 8 : Queen City capacitor	pre 2009	<1120			T		SCI								
Priority 8 : West Rutland capacitor	pre 2009	<1120			T		SCI								
Priority 8 : Blissville capacitor	pre 2009	<1170			T		SCI								
Priority 9 : Ascutney capacitor	pre 2009	<1170			T		SCI								
Priority 10 : Bennington substation	pre 2009	500				T			SCI						
Priority 11 : reactors @ transmission voltage	pre 2009	400		T		SCI									
Priority 12 : Coolidge - Ascutney K-31 line	pre 2009	n/a					T		SCI						
Priority 13 : VY - Vernon Road Tap K-186 line	pre 2009	n/a			T		SCI								
Priority 14 : Vernon	2010	1185	TBD												
Priority 15 : Ascutney - Ascutney Tap K-149 line	2013	1210					T			N	SCI				
Priority 16 : Coolidge - Cold River K-32 line	2013	1210					T			N	SCI				
Priority 17 : Ascutney - transformer	2013	1210							T		N		SCI		
Priority 18 : Coolidge - transformer	2016	1245	TBD												
Priority 19 : Barre	2018	1275	TBD												
Priority 20 : Chelsea	2018	1275	TBD												
Priority 21 : Plattsburgh - Essex	Note ***	n/a	TBD												

2012 Long Range Transmission Plan Published 

Regional Transmission Planning



**PRESENTATION BY
HANTZ PRESUME, VELCO**

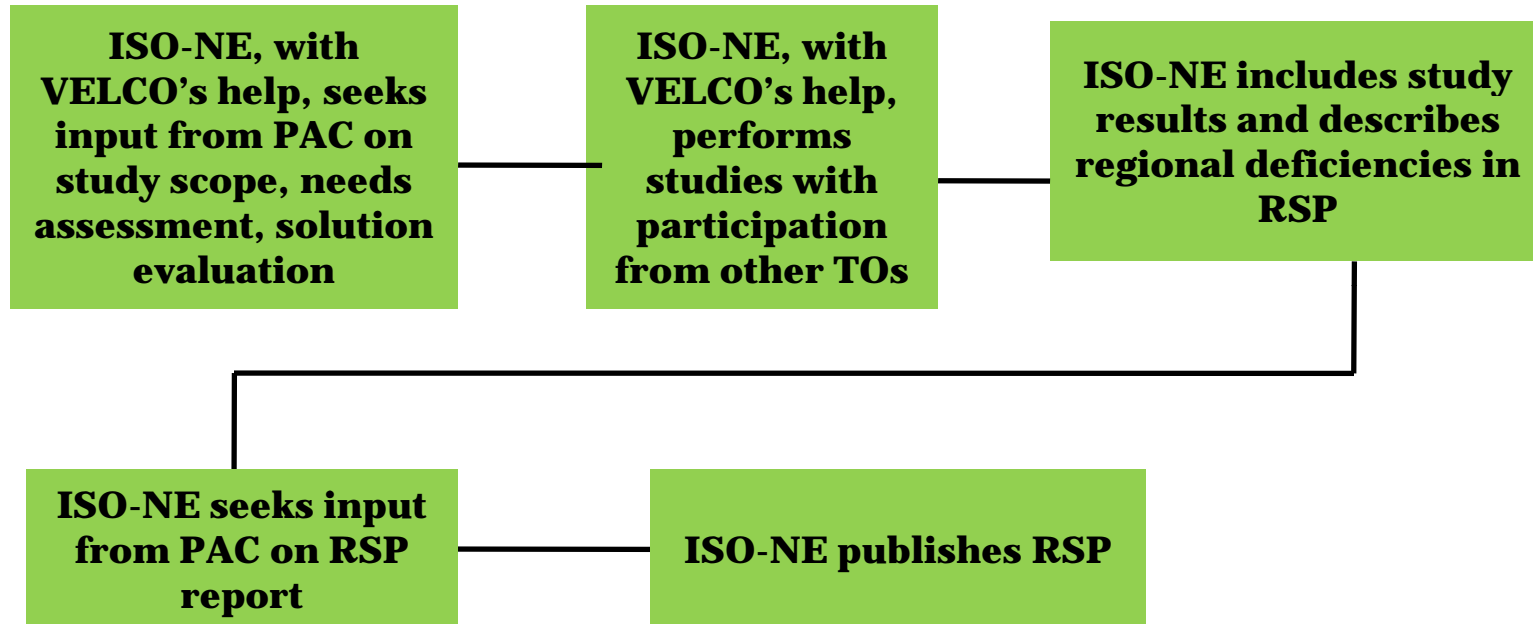
ISO-NE and TO Responsibilities Per Regional Agreements



- **The transmission operating agreement (TOA) defines the responsibilities of the RTO and the PTOs**
 - The functions to be performed by the ISO and Order 2000 require that the ISO have the requisite operational authority over the PTOs' transmission facilities
 - **The ISO will be responsible for system planning** within the ISO region subject to certain rights and obligations of the PTOs
 - The PTOs will, among other things, continue to own, physically operate, and maintain their Transmission Facilities and Local Control Centers
- **Attachment K of the Open Access Transmission Tariff (OATT) describes the regional planning process**
 - **The ISO shall conduct the regional system planning process** for the PTF in coordination with the transmission-owning entities in, or other entities interconnected to, the New England Transmission System and neighboring systems
 - The PTOs are responsible for the Local System Planning (“LSP”) process for the Non-PTF in the New England Transmission System.

PTF: a Pool Transmission Facility is essentially a networked facility (115 kV and above), with some grandfathered 69 kV facilities
Transmission facility: all facilities 69 kV and above, including radials, except as explicitly excluded in the TOA

ISO-NE Planning Process



PAC = Planning Advisory Committee (similar to VSPC but on a regional scale)

RSP = Regional System Plan. Used to be RTEP (Regional Transmission Expansion Plan)

Status of Vermont 10-yr Study in ISO-NE Planning Process



- ISO-NE will perform the needs assessment analysis from scratch for VT, NH, including parts of MA
- The needs assessment study is scheduled to be completed by the end of the year, but will likely be delayed
- ISO-NE is finalizing the study scope for the needs assessment
- ISO-NE will complete the solutions assessment next year

Overview of Study Scope



- **Year 2010 ISO-NE load forecast**
 - Summer 90/10 peak reduced from 1183 MW (2008 forecast) to 1100 MW (2010 forecast)
- **Utilization of demand resources (DR) throughout New England**
 - 89 MW applied homogeneously in Vermont
- **Supply scenarios**
 - PV-20 flow at 0 MW – NY cannot guarantee support to VT
 - Highgate at 0 MW – HQ contract is not guaranteed to flow through Highgate
 - Vermont Yankee re-licensed (ON) or decommissioned (OFF)
- **Various power transfer conditions**
- **Various contingencies in NY, VT, NH and MA**

Challenges for Vermont Planning Process



- **Substantial control over VT planning lies at the regional level with ISO-NE**
 - Increasing importance and authority of regional studies that consider interdependencies among states
 - ISO-NE is not a party to the 7081 MOU
- **ISO-NE and Vermont planning processes are inconsistent**
 - ISO: annual updates VT: three-year update cycle
 - ISO: 10-year horizon VT: 20-year horizon
 - ISO-NE process provides signal to market for DSM and generation alternatives by sharing study results in the regional stakeholder process
 - Forward capacity market determines what demand-side resources will be used. Cleared demand resources treated as load supply.
- **Challenge for VT stakeholders: how to keep in-state process relevant and ensure VT goals influence the regional process**

Future meeting schedule



- **September 8**
 - Holiday Inn, Rutland, 9:30-4:00
- **Proposed 2011 dates**
 - March 9 – Randolph
 - June 8 – Montpelier
 - September 14 – Rutland
 - December 14 - Burlington