

Requirement for Transient Voltage Recovery
8KD West Bus (Holtsville) DRSS I/S
Issued 07/24/2015

(To be used for Summer period May 1st through September 30th)

DSPTCH	3900-4000 (MW)				4001-4200 (MW)					4201-4300 (MW)				4301-4500 (MW)				4501-4800 (MW)				CONVERSION For Load Levels 4301-4800 (MW)	4801-5000 (MW)		5001-5150 (MW)		5151-5300 (MW)		CONVERSION For Load Levels 4801-5300 (MW)	5301-5450 (MW)			5451-5600 (MW)		5601-5700 (MW)		COMMON CONVERSION For All Load Levels
Notes:	Note (14)																					Note (10)			Note (11)	Note (12)	Note (11)	Note (12)	Note (10)	Note (13)			Note (13)		Note (13)		
CAITHNESS	1	1	0	0	1	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0	If 2 East End units are online, 1 Holtsville 69kV GT can be backed-off from the RED Box	1	0	1	0	1	0	If 4 East End units are online, 2 Holtsville 69kV GT can be backed-off from the Blue Box.	1	1	0	1	0	1 LM6000 (Port Jeff or Shoreham) = 1 Holtsville 69kV or 1 Holtsville 138kV or 1 Wading River or Shoreham 1&2 1 PJ =2 PJ LM 6000 = 2 Holtsville 69kV 1 CSC = 3 LM 6000		
# NPT STM	0/1	2/3/4	0/1	2/3/4	0/1	2	3/4	2	3/4	2	3/4	2	3/4	2	3/4	2	3/4	2	3/4	2	3/4		3/4	3/4	3/4	3/4	3/4	3		4	3/4	4	4	4		4	
# PJ LM6000	2	0	0	0	2	1	0	2	2	2	1	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2		2	2	2	2				
# PJ STM	0	0	2	1	0	0	0	2	1	0	0	2	2	1	1	2	2	2	2	2	2		2	2	2	2	2	2		2	2	2	2	2			
# HOLTS 69 GT	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	1	1	0	3	3		3	5	4	5	5	5		5	4	5	5	5		5	
# SHRM LM 6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	1	0	0		2	2	2	2	2			
# WDNG RIV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0	1	0	3	1		3	
# HOLTS 138kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0		2	
# SHOR 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0		0	
NYPA Holts (see Note 6)	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0		1/0	1/0	1/0	1/0	1/0	1/0		1/0	1/0	1/0	1/0	1/0		1/0	
CSC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
East of Riverhead	Follow East End Operating Guideline																																				

- Note:**
1. Based on dispatch awards for Caithness and Northport, select units in box for dispatch.

2. Caithness, NYPA Holtsville, and CSC are the most economic and will usually be awarded in the DAM.

3. This analysis was conducted utilizing the latest Caithness SRIS dynamic data.

4. This guideline assumes that Canal DRSS is in service. If Canal DRSS is not in service, all East of Holbrook units should be dispatched for load levels above 5300 MW.

5. Analysis assumed the tripping of the NYPA Holtsville units for the worst contingency (phase to phase to ground fault on Ruland to Holbrook/Pilgrim to Holtsville GT 138 kV double circuit; 138-881/882).

6. If the NYPA Flynn - Holtsville plant is out of service, no substitution is necessary as the guideline will not change.

7. Dispatch of the Northport 138kV shunt reactor connected to bus 1-1 will not change the guideline.

8. These columns are based on interpolation of the results on either side due to the need to reduce out of merit dispatch.

9. All East of Holbrook and East End Cap Banks assumed to be in service including Culloden Point Cap Bank

10. For load levels 4301 MW - 4800 MW, if 2 East End units are online (if required as per East End guideline) 1 Holtsville 69kV GT can be backed-off from the guideline. Similarly for load levels 4801 MW - 5300 MW, if 4 East End units are online (if required as per East End guideline) 2 Holtsville 69kV GT's can be backed-off from the guideline.

11. Above 5000 MW system load level having Caithness I/S at least one East of Riverhead unit recommended to be dispatched.

12. Above 5000 MW system load level having Caithness O/S, all East of Riverhead units are recommended to be dispatched.

13. Above 5300 MW system load level, all East of Riverhead units are recommended to be dispatched regardless of East End guideline and Caithness availability.

14. Below 3900 MW system load level having Caithness I/S, no units are required to be dispatched for TVR.