

Requirement for Transient Voltage Recovery - DRAFT - Issued on May, 21, 2012

(To be used for 2012 summer period) - Updated 04/25/12

DSPTCH	2800-3100 (MW)			3101 - 3500 (MW)		3501 - 4000 (MW)					CONVERSION 2800 - 4000 (MW)	4001-4100(MW) (Interpolated ⁸)				4101-4200 (MW)				4201-4300 (MW) (Interpolated ⁸)				4301-4500 (MW)				4501-4650 (MW) (Interpolated ⁸)				4651-4800 (MW)				4801-5000 (MW)			CONVERSION 4001-5000 (MW)	5001-5500 (MW)					
CAITHNESS	1	0	0	1	0	1	1	0	0	0	0		1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0				1 ⁽¹⁾	1 ⁽¹⁾	0 ⁽²⁾
# NPT STM	0	3/4	2/1	0	4/3/2	4/3/2	1	4	3	2	1		4/3	2	4	3/2	4/3	2	4	3/2	4/3	2	4	3/2	4/3	2	4	3	4/3	2	4	3	4/3	2	4	3	4	3	4/3				4	3 ⁽³⁾	4
# PJ STM	0	0	1	0	1	0	0	2	2	2	2	1 PJ = 2 LM 6000	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2
# PJ LM6000	0	0	0	0	0	0	0	0	1	2	2	1 LM 6000 = 1 WDNG RVR	0	1	2	2	0	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2
# SHRM LM 6000	0	0	0	0	0	0	0	0	0	0	0	1 LM 6000 = 1 WDNG RVR	0	0	2	2	0	0	2	2	0	0	2	2	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2				2	2	2
# WDNG RIV	0	0	0	0	0	0	0	0	0	0	0	1 WDNG RVR = 1 HOLTS 69	0	0	0	1	0	0	3	3	0	0	3	3	0	0	3	3	1	2	3	3	3	3	3	3	3	3	3				3	3	3
# HOLTS 69 GT	0	0	0	0	0	0	0	0	0	0	0	1 HOLTS 69 = 1 HOLTS 138	0	0	0	0	0	0	0	1	0	0	1	2	0	0	2	3	0	0	4	5	1	2	5	5	2	3	5				5	5	5
# HOLTS 138kV	0	0	0	0	0	0	0	0	0	0	0	1 HOLTS 138 = SHOREHM 1&2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	5				5	5	5
# 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	0				0	0	0				
NYPH 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	1/0				1/0	1/0	1/0				
CSC	1	1	1	1	1	1	1	1	1	1	1	1 CSC = 1 PJ	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	See East End Operating Guideline																											See notes (1) and (2)																	

(1) - Caithness I/S: Above 5,300 MW system load level, all East End (i.e., East of Riverhead) generation units need to be dispatched.

(2) - Caithness O/S: Above 5,000 MW system load level, all East End (i.e., East of Riverhead) generation units need to be dispatched.

(3) - Caithness I/S: Loads less than 5400 MW and South Fork Load less than 255 MW and all East of Holbrook Generation Available (with the exception of Shoreham 1&2 GTs).

Note:

1. Select the Load range.
2. Within Load range choose a column based on dispatch for Caithness and Northport.
3. Given the Caithness and Northport dispatch, it is required to have the additional units shown in the box online. If units are not dispatched by NYISO economically then units will be placed online via Reliability commitment. For Example: At 4001 MW, if Caithness and two Northport units are on line then one Port Jeff Steam unit and one Port Jeff LM 6000 are required.
4. It is assumed NYPH Holtsville, and CSC will be in service.
5. If the NYPH Flynn - Holtsville plant is out of service, no substitution is necessary as the guideline will not change.
6. The conversion boxes indicate suitable substitution of units for one another. For Example: Between 4001 and 5000 MW - one Port Jefferson steam unit has the impact of three LM 6000 units. If Port Jefferson Steam unit is offline then 3 LM 6000 will be dispatched.
7. This guideline assumes that Canal DRSS is in service. If Canal DRSS is not in service, the Shoreham 1 & 2 GTs should be dispatched for load levels above 5000 MW.
8. These columns are based on interpolation of the results on either side due to the need to reduce out of merit dispatch.