

Requirement for Transient Voltage Recovery
8KD West Bus (Holtsville) DRSS I/S & 8DV Randall Road (Wildwood) DRSS I/S
Issued 07/24/2015
(To be used for Summer period May 1st through September 30th)

DSPTCH	<4200 (MW)	4201-4300 (MW)			4300-4500 (MW)					4501-4800 (MW)			4801-5000 (MW)		5001-5150 (MW)		5151-5300 (MW)	5301-5450 (MW)	5451-5600 (MW)	5601-5700 (MW)
Notes:	Note (14)																			
CAITHNESS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
# NPT STM	0/1/2/3/4	0	1	2/3/4	0/1	1	2	3	4	2	3	4	3	4	3	4	4	4	4	4
# PJ LM6000	0	2	1	0	2	2	2	1	0	2	2	2	2	2	2	2	2	2	2	2
# PJ STM	0	0	0	0	2	1	0	0	0	2	1	0	1	0	2	1	2	2	2	2
# HOLTS 69 GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
# SHRM LM 6000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# WDNV RIV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# HOLTS 138kV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
# SHOR 1&2	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
CSC	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															

COMMON CONVERSION For All Load Levels	<p>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 1 Northport = 2 Holtsville 69kV = 2 LM 6000 = 2 Holtsville 138kV = 2 Wading River Caithness = 3 Holtsville 69kV = 3 Wading River = 3 LM 6000 = (2 LM 6000 + 1 Holtsville 69kV) (See Note 15)</p>
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- Note:**
- Based on dispatch awards for Caithness and Northport, select units in box for dispatch.
 - Caithness, NYPA Holtsville, and CSC are the most economic and will usually be awarded in the DAM.
 - This analysis was conducted utilizing the latest Caithness SRIS dynamic data.
 - 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.
 - 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).
 - If the NYPA Flynn - Holtsville plant is out of service, no substitution is necessary as the guideline will not change.
 - Dispatch of the Northport 138kV shunt reactor connected to bus 1-1 will not change the guideline.
 - These columns are based on interpolation of the results on either side due to the need to reduce out of merit dispatch.
 - All East of Holbrook and East End Cap Banks assumed to be in service including Culloden Point Cap Bank
 - 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.
 - Above 5000 MW system load level having Caithness I/S at least one East of Riverhead unit recommended to be dispatched.
 - Above 5000 MW system load level having Caithness O/S, all East of Riverhead units are recommended to be dispatched.
 - Above 5300 MW system load level, all East of Riverhead units are recommended to be dispatched regardless of East End guideline and Caithness availability.
 - Below 4200 MW system load level having Caithness I/S and regardless of Northport unit availability, no East of Holbrook units are required to be dispatched for TVR.
 - For Caithness out of service conversion, Do not use Holtsville 138kV GT's as replacement.