8KD West Bus (Holtsville) DRSS OOS & 8DV Randall Road (Wildwood) DRSS OOS

09/27/2022 Issued

(To be used for Summer period May 1⁵ through September 30⁵)

DSPTCH	2	2800-3	3300 (N	1W)		1 - 3500 MW)		3501 - 4000 (MW)			CONVERSION 2800 - 4000 (MW)	- 4001-4100(MW) (Interpolated ⁸))	2	4101-420	00 (MW)			01-4300 ((nterpola	x		430	1-4400 (MW)		44	01-4500 (!	MW)			650 (MV polated ⁸	· /		4651-480	00 (MW	V)	480	01-500	0 (MW)	CONVERSION 4001- 5000 (MW)	5	001-5500 (M	IW)				
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	0	1	1	0		1 ⁽¹⁾	1 ⁽¹⁾	0 ⁽²⁾
# NPT STM	0		3/4	2/1	0	4/3/2	4/3/2	2 1	4	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.	5/2	4/3	2	4 3/2	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	2		2	2	2	2	1 PJ =2 LM 6000	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2 1	2	2	2	2 2	2	2	2	2	2	2	2	2	2	2	2	1 PJ =3 LM 6000	2	2	2
# PJ LM6000	0		0	0	0	0	0	0		0	1	2	2		0	1	2	2	0	1	2	2	1	2	2	2	2	2	2 1	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	2	1 LM 6000 = 1 WDNG RVR	0	0	2	2	0	0	2	2	0	0	2	2	0	2	2 2	2	1	2	2 2	2	2	2	2	2	2	2	2	2	2	2	1 LM 6000 = 1 WDNG RVR	2	2	2
# WDNG RIV	0	,	0	0	0	0	0	0		0	0	0	2	1 WDNG RVR= 1 HOLTS 69	0	0	0	1	0	0	3	3	0	0	3	3	0	1	3 3	3	0	2	3 3	1	2	3	3	3	3	3	3	3	3	3	1 WDNG RVR= 1 HOLTS 69	3	3	3
# HOLTS 69 GT	0	,	0	0	0	0	0	0		0	0	0	0	1 HOLTS 69 = 1 HOLTS 138	5	0	0	0	0	0	0	1	0	0	1	2	0	0	2 3	3	0	0	2 3	0	0	4	5	1	2	5	5	2	3	5	1 HOLTS 69 = 1 HOLTS 138	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	0	0	0	0	0	2	3	0	0	5	1 HOLTS 138 = SHOREHM 1&2	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	0	0	0		0	-	0	0	0
NYPA Holts (see Note 6)	1/0	0	1/0	1/0	1/0	1/0	1/0	1/0	0 1	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	1/0
CSC	1		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	1	1	1 CSC = 3 LM 6000	1	1	1
East of Riverhead																						See Ea	st End	Operat	ting Gı	uidelin	ne																			See	notes (1) a	nd (2)
	East of Riverhead See East End Operating Guideline 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. See notes (1) and (2) 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. See notes (1) and (2)																																															
(3) - Caithness I/S: I Note:										,				, 0					(with ti	he exce	eption (of Shoi	reham	1&2 G	Ts).																							

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, the Shoreham 1 & 2 GTs should be dispatched for load levels above 5000 MW.
5. Analysis assumed the tripping of the NYPA Holtsville units for the worst contingency (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.
8. These columns are based on interpolation of the results on either side due to the need to reduce out of merit dispatch.
9. There is no major BES system topology change in the LIPA East of Holbrook (EOH) region. The last full analysis was performed in year 2022. As a result, The EOH TVR guidelines are still applicable for summer 2024

8KD West Bus (Holtsville) DRSS IS & 8DV Randall Road (Wildwood) DRSS OOS

Issued 07/21/2022

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

DSPTCH	3900-4000 (MW)			W)		4001-4200 (MW)				2	4201-4300 (MW)				43	301-45	00 (M	W)		4501	-480(0 (MW	1	CONVERSION For Load Levels 4301-4800 (MW)	4801	l-5000 IW)		1-5150 4W)		.51-530 (MW)	0 CONVERSION For Load Level 4801-5300 (MW	s 530)1-5450	(MW)		51-5600 (MW)		01-5700 (MW)	COMMON CONVERSION For All Load Levels	
Notes:		N (ote L4)																						Note (10)				Note Note		Note Note	Note (10)		Not (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		1	0	1	0]	0		1	1	0	1	0	1	0	
# NPT STM	0/1	2/3/4	0/1	2/3/4	0/1	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	3/4	4	4	4	4	1 LM6000
# 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	2	2	2	2	2	(Port Jeff or
# PJ STM	0	0	2	1	0		0	0	2	1	0	0	2	2	2	1	1	2	2	2		2	2	2	If 2 East End	2	2	2	2	2	2 2	If 4 East End	2	2	2	2	2	2	2	Shoreham)
# HOLTS 69 GT	0	0	0	0	0		0	0	0	0	0	0	1	(0	1	0	2	1	1		0	3	3	units are online,	3	5	4	5	4	5 5	units are online	, 5	4	5	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	1 Holtsville	0	0	0	0	() 1	2 Holtsville 69k	V 0	0	2	2	2	2	2	1 Holtsville 69kV or 1 Holtsville 138kV or
# WDNG RIV	0	0	0	0	0		0	0	0	0	0	0	0	(0	0	0	0	0	0		0	0	0	69kV GT can be	0	0	0	0	() (GT can be	0	0	1	0	3	1	3	1 Holtsville 158KV or 1 Wading River or
# HOLTS 138kV	0	0	0	0	0		0	0	0	0	0	0	0	(0	0	0	0	0	0		0	0	0	backed-off from	0	0	0	0	() (backed-off fron	n 0	0	0	0	0	0	2	Shoreham 1&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	the RED Box	0	0	0	0	() (the Blue Box.	0	0	0	0	0	0	0	1 PJ =2 PJ LM 6000
NYPA Holts (see Note 6)	1/0	1/0	1/0	1/0	1/() 1	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/() 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	= 2 Holtsville 69kV 1 CSC = 3 LM 6000
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	1	
East of Riverhead																						Foll	low Ea	st Ena	l Operating Guideli	ne														

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.

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.

15. There is no major BES system topology change in the LIPA East of Holbrook (EOH) region. The last full analysis was performed in year 2022. As a result, The EOH TVR guidelines are still applicable for summer 2024

8KD West Bus (Holtsville) DRSS OOS & 8DV Randall Road (Wildwood) DRSS IS 09/27/2022

Issued

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

	<3200																																CONVERSION
DSPTCH	(MW)	32	<mark>01-3500 (</mark>	MW)	35)1-3800 (N	AW)	380)1 - 4100 (MW)		4101 - 45	500 (MW)			450	1 - 4700 (I	MW)			470	1-5000 (N	4W)		500	01-5100 (N	AW)	5101-52	00 (MW)	520	1-5500 (N	IW)	4001-5000 (MW)
CAITHNESS	0	1	0	0	1	0	0	1	1	0	1	1	0	0	1	1	0	0	0	1	1	1	0	0	1	1	0	1	0	1	1	0	
# NPT STM	0	0	2	1	1	1	1	1	0	2	4/3/2	1	4	3	1	4	4	3	2	2	3	4	4	3	4	3	4	4/3	4	4	3	4	1 Northport = 2 LM 6000
# PJ STM	0	0	0	1	0	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	1 PJ = 2 LM 6000
# PJ LM6000	0	0	0	0	0	2	0	0	2	2	1	2	2	2	2	0	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	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1 LM 6000 = 1 WDNG RVR
# 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	0	0	0	0	1 WDNG RVR= 1 HOLTS 69
# HOLTS 69 GT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	2	4	4	2	1	5	4	2	3	5	3	5	5	5	5	1 HOLTS 69 = 1 HOLTS 138
# 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	2	3	1 HOLTS 138 = SHOREHM 1&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	-
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	-
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	$1 \operatorname{CSC} = 3 \operatorname{LM}_{6000}$
East of Riverhead															S	ee East I	End Ope	erating (Guideline	e													

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, the Shoreham 1 & 2 GTs should be dispatched for load levels above 5000 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. There is no major BES system topology change in the LIPA East of Holbrook (EOH) region. The last full analysis was performed in year 2022. As a result, The EOH TVR guidelines are still applicable for summer 2024

8KD West Bus (Holtsville) DRSS I/S & 8DV Randall Road (Wildwood) DRSS I/S

07/21/2022 Issued

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

DSPTCH	<4200	4201-	-4300 (MW)	<u> </u>		, 4	300-4500 (MV	V)		4501	-4800 (MW)		4801-5000	(MW)	5001-	5150 (MW)	5151-5300	5301-5450	5451-5600	5601-5700
	(MW)																(MW)	(MW)	(MW)	(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
# WDNG 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
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
CSC	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
East of Riverhead											1	Follow Eas	st End Operati	ng Guideline						
COMMON							1 LM6000	(Port Jeff or	Shoreham) =				or 1 Wading	River or Sho	reham 1&2					
CONVERSION											M 6000 = 2 H		V							
For All Load Levels								1 Northn	ort = 2 Holts		CSC = 3 LM 6 2 LM 6000 = 2		38kV = 2 Wa	ling River						
An Loui Levels							Caithnes						00 + 1Holtsvil		e Note 15)					

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) 1 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 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.

15. For Caithness out of service conversion. Do not use Holtsville 138kV GT's as replacement.

16. There is no major BES system topology change in the LIPA East of Holbrook (EOH) region. The last full analysis was performed in year 2022. As a result, The EOH TVR guidelines are still applicable for summer 2024