

TABLE VIII - 1

FUTURE TRANSMISSION FACILITIES AS OF JANUARY 1, 2007

LIST OF PROPOSED BULK POWER LINES

Line Owner	Terminals		Line Length miles *	Expected Service Date/Yr		Nominal Voltage in kV		# of ckts	Thermal Ratings in Amperes		Type of Construction & Conductor Size	
				Prior to	**	Operating	Design		Summer	Winter		
<u>Merchant</u>												
Atlantic Energy Ne	Duffy Ave Convertor Station	PJM	65.000	2007		500	500	1				UW / UG
<u>Transmission Owner</u>												
ConEd	Sprain Brook	Sherman Creek	10	2010	S	345	345	1	872	1010	2000 CU	UG
LIPA	Newbridge Rd	East Garden City	4	2007	S	138	138	1	1150	-	2000 mm2 Cu	UG
LIPA	Newbridge Rd	Ruland Rd	9.1	2007	S	138	138	1	1150	-	2000 mm2 Cu	UG
LIPA	Duffy Ave Convertor Station	Newbridge Rd 345kv	1.7	2007	S	345	345	1	-	-	-	UG
LIPA	Newbridge Rd 345kv	Newbridge Rd 138kv	-	2007	S	-	-	2	-	-	345/138 KV Stepdown	-
O&R***	Ramapo	Tallman	3.240	2007	S	138	138	1	Multiple	Multiple	Multiple	OH
O&R***	Tallman	Burns	6.080	2007	S	138	138	1	Multiple	Multiple	Multiple	OH
RGE***	Station 80	Station 82/Mortimer	3.500	2007/2008	W	115	115	1	2080	2440	2-1033.5 ACSR	OH
RGE***	Station 80	Station 82/Mortimer	3.500	2007/2008	W	115	115	1	2080	2440	2-1033.5 ACSR	OH
RGE***	Station 82	Station 67	2.400	2007/2008	W	115	115	1	1560	1910	1-1431 ACSR	OH
RGE***	Station 80	Station 67	5.900	2007/2008	W	115	115	1	1560	1910	1-1431 ACSR	OH
RGE***	Station 82	Station 48	9.500	2007/2008	W	115	115	1	1890	2160	2-1033.5 ACSR	OH
RGE	Station 48	Station 7	7.500	2007/2008	W	115	115	1	1225	1495	1-1033.5 ACSR	OH
RGE	Station 121	Station 230	5.700	2007/2008	W	115	115	1	1225	1495	1-1033.5 ACSR	OH
RGE	Station 80	Station 80	xfrm	2007/2008	W	345/115	345/115	1	420MVA	440MVA	Transformer	
NYPA	Willis 1	Plattsburgh	-33.700	2007/2008	W	230	230	1	426	545	1-795 ACSR	OH
NYPA	Willis 2	Plattsburgh	-33.700	2007/2008	W	230	230	2	426	545	1-795 ACSR	OH
NYPA	Willis 1	Duley	24.370	2007/2008	W	230	230	1	426	545	1-795 ACSR	OH
NYPA	Duley	Plattsburgh	9.32	2007/2008	W	230	230	1	426	545	1-795 ACSR	OH
NYPA	Willis 2	Ryan	6.460	2007/2008	W	230	230	2	426	545	1-795 ACSR	OH
NYPA	Ryan	Plattsburgh	27.24	2007/2008	W	230	230	2	426	545	1-795 ACSR	OH
CHGE	E. Fishkill	E. Fishkill	xfrm #2	2008	S	345/115	345/115	1	440MVA	560MVA	Transformer #2 (Standby)	
NYSEG (7)	Wood Street	Carmel	1.34	2009	S	115	115	1	775	945	477 ACSR	OH
NYSEG (7)	Wood Street	Katonah	11.7	2009	S	115	115	1	775	945	477 ACSR	OH
RGE	Station 135	Station 424	4.977	2009/2010	W	115	115	1	1225	1495	1-1033.5 ACSR	OH
LIPA (4)	Pilgrim	Brentwood	4.56	2010	S	138	138	1	2343	2506	1272 SSAC	OH
LIPA (4)	Pilgrim	Brentwood	4.56	2010	S	138	138	2	2343	2506	1272 SSAC	OH
LIPA (4)	Pilgrim	Brentwood	4.18	2010	S	138	138	3	2343	2506	1272 SSAC	OH
LIPA	Brentwood	Brentwood PS	Phase Shifter	2010	S	138	138	1	-	-	Phase Shifter	-

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LIPA	Brentwood PS	Holtsville GT	12.4	2010	S	138	138	1	2343	2506	1272 SSAC	OH
LIPA	Riverhead	Canal	16.4	2010	S	138	138	1	1056	1204	2500 MCM Cu Sol Dielect	UG
LIPA (6)	Sterling	Off Shore Wind Farm	10.15	2010	S	138	138	1	675	675	3/C XLPE Cu 800mm2+3-1/C XLPE Cu 1200 mm2	UW / UG
NYSEG ***	Etna	Lapeer	14.950	2010	W	115	115	1	1410	1725	1277 KCM ACAR	OH
NYSEG	Etna	Lapeer	14.950	2010	W	115	115	1	1410	1725	1277 KCM ACAR	OH
NYSEG	Lapeer	Lapeer	xfrm	2010	W	345/115	345/115	1	200MVA	220MVA	Transformer	
NYSEG	Lapeer	Lapeer	xfrm	2010	W	345/115	345/115	1	200MVA	220MVA	Transformer	
CHGE	Hurley Ave	Saugerties	11.11	2011	W	115	115	1	1114	1359	1-795 ACSR	OH
CHGE	Pleasant Valley	Knapps Corners	17.7	2011	W	115	115	1	1114	1359	1-795 ACSR	OH
LIPA (5)*****	Northport	Narwalk Harbor	11	2011	S	138	138	3	675	675	3/C XLPE Cu 800mm2	UW / UG
CHGE	E. Fishkill	Wiccopee	3.320	2011	S	115	115	1	1114	1359	1-795 ACSR	OH
CHGE	Saugerties	North Catskill	12.25	2012	W	115	115	1	1114	1359	1-795 ACSR	OH

(7) '115 kv operation as opposed to previous 46 kv operatio

(6) LIPA owns 6.78 miles of the circuit

(5) Cable replacement; LIPA owns 50% of the NUSCO cable

(4) 138 kv operation as opposed to previous 69 kv operation

***** Partial NUSCO upgrade will be done in 2008 and full NUSCO upgrade is scheduled for 2011

**** Tapping of Existing Circuit

*** Reconductoring of Existing Line

** S = Summer Peak Period W = Winter Peak Period

* Line Length Miles - negative values indicate retirements.