

ISO - NEW ENGLAND INC.
POOL TRANSMISSION FACILITIES

(PTF)

Final

**IN-SERVICE
AS OF
January 1, 2011**

**Thirty-first issue
October 24, 2005
Thirty-second issue
June 27, 2006
Thirty-third issue
February 07, 2007
Thirty-fifth issue
February 06, 2009
Thirty-sixth issue
January 22, 2010
Thirty-seventh
January 14, 2011**

Total Circuit Miles of PTF Transmission by Company and HTF

	<u>EHV-PTF</u>	<u>LV-PTF</u>	<u>TOTAL</u>	<u>HTF</u>
BANGOR HYDRO ELECTRIC COMPANY CKT. MILES	84.40	80.35	164.75	
TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT CKT. MILES		9.44	9.44	
CONNECTICUT MUNICIPAL ELECTRIC ENERGY CO-OP CKT. MILES		6.20	6.20	
CENTRAL MAINE POWER COMPANY CKT. MILES	184.40	958.38	1142.78	
THE CONNECTICUT LIGHT AND POWER COMPANY CKT. MILES	490.30	1108.90	1599.20	
NEW HAMPSHIRE TRANSMISSION, LLC	0.60		0.60	
HOLYOKE GAS AND ELECTRIC DEPARTMENT CKT. MILES		9.17	9.17	
HOLYOKE WATER POWER COMPANY CKT. MILES		Removed	Removed	
NATIONAL GRID USA CKT. MILES	746.71	1609.94	2356.65	
NORWOOD MUNICIPAL LIGHT DEPARTMENT CKT. MILES		11.17	11.17	
NSTAR CKT. MILES	306.07	472.10	778.17	
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CKT. MILES	260.50	608.70	869.20	
READING MUNICIPAL LIGHT PLANT CKT. MILES		0.50	0.50	
TAUNTON MUNICIPAL LIGHTING PLANT CKT. MILES		1.80	1.80	
THE UNITED ILLUMINATING COMPANY CKT. MILES	17.43	111.78	129.21	
VT TRANSCO, LLC CKT. MILES	199.90	430.92	630.82	
WESTERN MASSACHUSETTS ELECTRIC COMPANY CKT. MILES	104.50	283.20	387.70	
MAINE ELECTRIC POWER COMPANY	182.03		182.03	
HIGHGATE TRANSMISSION FACILITIES				7.61
TOTAL ISO-NEW ENGLAND CKT. MILES	2,576.84	5,702.55	8,279.39	7.61

**Bangor Hydro Electric Company
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Bailyville (ME-NB border) - Orrington (390)	345	2-1192 ACSR	OH	1	84.40	84.40
TOTAL BANGOR HYDRO ELECTRIC COMPANY HIGH VOLTAGE PTF CKT. MILES						----- 84.40 -----
TOTAL BANGOR HYDRO ELECTRIC COMPANY CKT. MILES						84.40

**Bangor Hydro Electric Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Graham-Orrington	115	795 ACSR	OH	2	7.25	14.50
Orrington-Bucksport (BHE section only)	115	795 ACSR	OH	2	5.20	10.40
Graham-Orrington - Line 246	115	2x795 ACSR	OH	1	7.25	7.25
Tap Line 205 (Bucksport-Orrington) - Boggy Brook - Line 60	115	795 ACSR	OH	1	20.60	20.60
Boggy Brook-Rebel Hill - Line 67	115	795 ACSR	OH	1	13.60	13.60
Graham-Rebel Hill - Line 66	115	795 ACSR	OH	1	14.00	14.00
TOTAL BANGOR HYDRO ELECTRIC COMPANY LOWER VOLTAGE PTF CKT. MILES						----- 80.35
TOTAL BANGOR HYDRO ELECTRIC COMPANY CKT. MILES						----- 80.35

**Town of Braintree Electric Light Department
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Swift's Beach Tap - NSTAR (478-502)	115	636 MCM ACSR	OH	1	0.23	0.23
Swift's Beach - Potter Sta. #16 (115-16-11)	115	1250 KCMIL CU	UG	1	0.49	0.49
Potter Sta. #16 - Middle St. (115-10-16)	115	1250 KCMILCU	UG	1	1.81	1.81
Middle St. - Church Hill (115-8-10)	115	1000 KCMIL AL	UG	1	1.74	1.74
Church Hill - Plain St. (115-4-8)	115	1000 KCMIL AL	UG	1	3.54	3.54
Plain St. - Grove St. (115-9-4)	115	1000 KCMIL AL	UG	1	1.60	1.60
Grove St. - Grove St. Tap (478-509)	115	636 MCM ACSR	OH	1	0.03	0.03
TOTAL TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT LOWER VOLTAGE PTF CKT. MILES						----- 9.44
TOTAL TOWN OF BRAINTREE ELECTRIC LIGHT DEPARTMENT COMPANY CKT. MILES						----- 9.44

**Central Maine Power Company
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Scobie - Buxton (CMP Section) (391)	345	2-850.8 ACSR	OH	1	30.60	30.60
Buxton - Surowiec (374)	345	2-850.8 ACSR	OH	1	26.60	26.60
Deerfield - Buxton (CMP Section) (385)	345	2-850.5 ACSR	OH	1	30.60	30.60
Buxton - Maine Yankee (375)	345	2-850.8 ACSR	OH	1	54.50	56.20
		2-900 ACSR	OH	1	1.70	
Surowiec - Maine Yankee (377)	345	2-850.8 ACSR	OH	1	25.90	29.80
		2-900 ACSR	OH	1	3.90	
Maine Yankee - Mason (378)	345	2-850.8 ACSR	OH	1	3.50	3.50
Buxton - South Gorham (386)	345	2-954 ACSR	OH	1	7.10	7.10
TOTAL CENTRAL MAINE POWER COMPANY EHV PTF CKT. MILES						184.40

**Central Maine Power
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Wyman - Livermore Falls (63)	115	795 ACSR	OH	1	47.20	47.20
Livermore Falls - Gulf Island (200)	115	795 ACSR	OH	1	24.30	24.30
Wyman - Heywood Rd (83)	115	477 ACSR	OH	1	41.03	41.03
Heywood Rd - Winslow (242)	115	477 ACSR	OH	1	1.10	1.10
Heywood Rd - Section 67A Tap (67A)	115	795 ACSR	OH	1	3.79	3.79
Winslow - Maxcys (84)	115	477 ACSR	OH	1	25.70	25.70
Wyman - Detroit (66)	115	795 ACSR	OH	1	33.40	33.40
Detroit - Maxcys (67)	115	795 ACSR	OH	1	40.50	40.50
Detroit - Bucksport (203)	115	795 ACSR	OH	1	34.10	34.10
Bucksport - Orrington (CMP Secs only) (65 & 205)	115	795 ACSR	OH	2	6.63	13.30
Bucksport - Highland (86)	115	477 ACSR	OH	1	5.50	39.30
		1272 AI	OH	1	30.20	
		795 ACSR	OH	1	3.60	
Highland - Newcastle (226)	115	1272 AI	OH	1	19.00	19.00
Mason - Newcastle (204)	115	1272 AI	OH	1	11.10	11.10
Highland - Maxcys (80)	115	266.8 ACSR	OH	1	22.00	22.00
Maxcys - Mason (68)	115	795 ACSR	OH	1	23.20	23.20
Maxcys - Bowman Street (60)	115	795 ACSR	OH	1	12.40	12.40

**Central Maine Power
Lower Voltage PTF**

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Bowman St. - Gulf Island (212)	115	795 ACSR	OH	1	22.50	22.50
Mason - Bath 115 (207)	115	266.8 ACSR	OH	1	0.50	15.60
		795 ACSR	OH	1	15.10	
Mason - Surowiec (81)	115	336.4 ACSR	OH	1	28.60	28.60
Gulf Island - Surowiec (64)	115	795 ACSR	OH	1	17.60	17.60
Surowiec - Spring Street (166)	115	795 ACSR	OH	1	24.20	24.20
Gulf Island - Crowleys (201)	115	795 ACSR	OH	1	8.30	8.30
Crowleys - Surowiec (62)	115	795 ACSR	OH	1	9.30	9.30
Yarmouth - Moshers (165)	115	795 ACSR	OH	1	19.90	19.90
Yarmouth - Spring St. (164)	115	795 ACSR	OH	1	23.30	23.30
Moshers - South Gorham (162)	115	1113 ACSR	OH	1	3.40	3.40
Westbrook 115 - South Gorham (169)	115	2-1113 ACSR	OH	1	3.00	3.00
Westbrook 115 - Spring St (232)	115	2-1113 ACSR	OH	1	0.90	0.90
Westbrook 115 - South Gorham (231)	115	2-1113 ACSR	OH	1	3.00	3.00
Westbrook 115 - Spring St (233)	115	2-1113 ACSR	OH	1	0.90	0.90
Maguire Rd - Quaker Hill (140)	115	1113 ACSR	OH	1	10.30	10.30
Three Rivers - Quaker Hill (197)	115	1113 ACSR	OH	1	9.40	9.40
Maguire Rd - Three Rivers (250)	115	795 ACSR	OH	1	19.50	19.50

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Louden - Maguire Rd (238)	115	795 ACSR	OH	1	11.40	11.40
Louden - Maguire Rd (163)	115	1113 ACSR	OH	1	11.40	11.40
Pleasant Hill - Cape Steam (160)	115	4/0 Cu	OH	1	1.20	4.20
		795 ACSR	OH	1	3.00	
Bath 115 - Surowiec (69)	115	795 ACSR	OH	1	20.85	20.85
Sewall St. - Fore River (277)	115	2500 MCM AL	UG	1	1.25	1.25
Fore River - Cape Steam (275)	115	2500 MCM AL	UG	1	1.39	1.39
Surowiec - Moshers (167)	115	795 ACSR	OH	1	20.90	20.90
Gulf Island - Norway (61)	115	795 ACSR	OH	1	18.40	18.40
Norway - Kimball Rd. (87)	115	795 ACSR	OH	1	6.60	6.60
Surowiec - Raymond (208)	115	795 ACSR	OH	1	15.70	15.70
Raymond - Kimball Rd. (209)	115	795 ACSR	OH	1	16.50	16.50
Kimball Road - PSNH St #1 (214)	115	795 ACSR	OH	1	14.87	14.87
Moshers - Sewall St. (161)	115	795 ACSR	OH	1	7.60	7.60
Livermore Falls - Riley (89)	115	795 ACSR	OH	1	7.40	7.40
Riley - Rumford IP (229)	115	795 ACSR	OH	1	15.20	15.20
Rumford - Rumford IP (228)	115	795 ACSR	OH	1	1.10	1.10

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Rumford IP - Kimball Rd (217)	115	1113 ACSR	OH	1	33.00	33.00
Rumford - Woodstock (211)	115	1113 ACSR	OH	1	13.40	13.40
Woodstock - Kimball Rd. (210)	115	795 ACSR	OH	1	20.60	20.60
Maxcys - Augusta East (88)	115	795 ACSR	OH	1	11.00	11.00
Augusta East - Bowman St. (213)	115	795 ACSR	OH	1	17.00	17.00
South Gorham - Loudon (219 & 220)	115	795 ACSS	OH	2	9.25	18.50
Crowley's - Lewiston Lower (202)	115	795 ACSR	OH	1	3.50	3.50
Hotel Road - Lewiston Lower (75)	115	795 ACSR	OH	1	7.90	7.90
Hotel Road - Junction Section 61 (61A)	115	795 ACSR	OH	1	10.60	10.60
South Gorham - W. Buxton (223)	115	1113 ACSR	OH	1	9.10	9.10
W. Buxton - Waterboro (224)	115	1113 ACSR	OH	1	8.10	8.10
Waterboro - Sanford (225)	115	1113 ACSR	OH	1	12.60	12.60
Sanford - Maguire Rd (237)	115	795 ACSR	OH	1	7.20	7.20
TOTAL CENTRAL MAINE POWER COMPANY LOWER VOLTAGE PTF CKT. MILES						958.38
TOTAL CENTRAL MAINE POWER COMPANY CKT. MILES						1142.78

**The Connecticut Light and Power Company
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Manchester - Card (368)	345	2-1590 ACSR	OH	1	1.90	19.90
		2156 ACSR	OH	1	18.00	
Southington - Frost Bridge (329)	345	2156 ACSR	OH	1	12.70	12.70
East Shore - Scovill Rock (CL&P Sec. of 387)	345	2 - 954 ACSR	OH	1	17.50	26.90
		2156 ACSR	OH	1	9.40	
Beseck - Haddam Neck (362)	345	2-954 ACSR	OH	1	13.80	18.20
		2-1192 ACSR	OH	1	0.60	
		2-1590 ACSR	OH	1	3.80	
Long Mountain - Pleasant Valley (CL&P Sec. of 398)	345	2156 ACSR	OH	1	5.60	5.60
Frost Bridge - Long Mountain (352)	345	2156 ACSR	OH	1	20.70	20.70
Manchester - Barbour Hill via North Bloomfield (CL&P Sec. of 395)	345	2156 ACSR	OH	1	17.00	20.80
		2-954 ACSR	OH	1	12.90	
		2-1192 ACSR	OH	1	0.30	
		2-2156 ACSR	OH	1	0.60	
Montville - Haddam Neck (364)	345	2-954 ACSR	OH	1	22.60	22.60
Millstone - Montville (371)	345	2-954 ACSR	OH	1	12.20	12.20
Millstone - Beseck via Haddam (348)	345	2-954 ACSR	OH	1	33.80	42.00
		2-1192 ACSR	OH	1	0.70	
		2-1590 ACSR	OH	1	7.50	
Millstone - Card (383)	345	2-954 ACSR	OH	1	28.70	28.70
Long Mountain - Plumtree (321)	345	2-954 ACSR	OH	1	6.20	17.80
		2-1272 ACSR	OH	1	11.60	

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EHV PTF**

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Card - Lake Road (330)	345	2-954 ACSR	OH	1	29.10	29.30
		2-1272 ACSR	OH	1	0.20	
Lake Road - Killingly (3348)	345	2-1272 ACSR	OH	1	0.30	0.60
		2-954 ACSR	OH	1	0.30	
Killingly - Sherman Rd. (CL&P Sec. of 347)	345	2-1272 ACSR	OH	1	0.20	6.90
		2-954 ACSR	OH	1	6.70	
Millstone - Manchester (310)	345	2-1272 ACSR	OH	1	45.60	46.80
		2-954 ACSR	OH	1	1.20	
Haddam Neck - Scovill Rock (376)	345	2-954 ACSR	OH	1	4.60	5.20
		2-1192 ACSR	OH	1	0.60	
Scovill Rock - KLEEN (3533)	345	2-954 ACSR	OH	1	2.80	3.80
		2-1590 ACSR	OH	1	1.00	
Manchester - KLEEN (3424)	345	2-954 ACSR	OH	1	0.10	16.60
		2156 ACSR	OH	1	16.30	
		2-1590 ACSR	OH	1	0.20	
Plumtree - Norwalk (3403)	345	2-1750 XLPE	UG	1	2.20	20.50
		2-1590 ACSR	OH	1	8.60	
		2-2500 HPFF	UG	1	9.70	
Barbour Hill - Ludlow (CL&P Sec. of 3419)	345	2156 ACSR	OH	1	14.00	14.00
Beseck - Southington (3754)	345	2-1590 ACSR	OH	1	2.90	11.90
		2-954 ACSR	OH	1	9.00	
Scovill Rock - Southington (3041)	345	2-954 ACSR	OH	1	11.60	19.30
		2-1272 ACSR	OH	1	7.70	

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EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
East Devon - Beseck (3827)	345	2-1590 ACSR	OH	1	21.10	33.10
		4-1590 ACSR	OH	1	12.00	
East Devon - Singer (CL&P Sec. 3165)	345	3000 XLPE	UG	1	2.30	2.30
East Devon - Singer (CL&P Sec. 3619)	345	3000 XLPE	UG	1	2.30	2.30
Singer - Norwalk (3280)	345	3000 XLPE	UG	1	14.80	14.80
Singer - Norwalk (3921)	345	3000 XLPE	UG	1	14.80	14.80
TOTAL OF THE CONNECTICUT LIGHT AND POWER COMPANY EHV PTF CKT. MILES						490.30

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Bunker Hill - Freight St (1668)	115	1272 ACSR	OH	1	2.10	2.10
Freight St. - Frost Bridge (1721)	115	1272 ACSR	OH	1	2.10	5.90
		1590 ACSR	OH	1	3.80	
Frost Bridge - Campville (1191)	115	2-2/0 Cu	OH	1	7.60	10.30
		556 ACSR	OH	1	2.70	
Southington - Canal (1950)	115	795 ACSR	OH	1	2.20	2.20
Southington - Todd (1910)	115	795 ACSR	OH	1	6.00	6.00
Frost Bridge - Todd (1163)	115	795 ACSR	OH	1	5.70	5.70
Frost Bridge - Canal (1550)	115	795 ACSR	OH	1	9.50	9.50
Frost Bridge - Shaws Hill (1445)	115	1590 ACSR	OH	1	1.60	1.60
Shaws Hill - Bunker Hill (1272)	115	1590 ACSR	OH	1	2.20	2.20
Frost Bridge - Stevenson (1990)	115	4/0 Cu	OH	1	2.80	20.30
		1272 ACSR	OH	1	0.10	
		2-556 ACSR	OH	1	1.00	
		2-4/0 Cu	OH	1	13.30	
		556 ACSR	OH	1	2.90	
		795 ACSR	OH	1	0.20	
Bunker Hill - Oxford via Baldwin Tap (1575)	115	556 ACSR	OH	1	7.30	7.30
Oxford - Beacon Falls (1319)	115	556 ACSR & 795 ACSS	OH	1	4.40	4.40
Bunker Hill - South Naugatuck (1585)	115	4/0 Cu	OH	1	3.00	13.20
		556 ACSR	OH	1	7.70	
		795 ACSR	OH	1	2.50	

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South Naugatuck - Devon (1580)	115	4/0 Cu	OH	1	13.20	23.90
		795 ACSR	OH	1	8.00	
		556 ACSR	OH	1	2.70	
Devon - Beacon Falls via Derby (1570)	115	795 ACSR	OH	1	18.90	22.60
		4/0 Cu	OH	1	3.70	
Stevenson - Trap Falls via Derby (1560)	115	795 ACSR	OH	1	8.70	8.70
Trap Falls - Devon (1545)	115	795 ACSR	OH	1	4.70	4.70
Devon - Devon Tie (CL&P Sec. of 1780)	115	795 ACSR	OH	1	0.10	0.10
Devon - Devon Tie (CL&P Sec. of 1790)	115	795 ACSR	OH	1	0.10	0.10
Southington - Wallingford (CL&P Sec. of 1208)	115	1272 ACSR	OH	1	13.60	13.60
Wallingford - North Haven (CL&P Sec. of 1630)	115	1272 ACSR	OH	1	0.40	0.40
Southington - June St. (CL&P Sec. of 1610)	115	556 ACSR	OH	1	10.70	21.30
		1590 ACSR	OH	1	10.60	
Devon - June St. (CL&P Sec. of 1685)	115	1590 ACSR	OH	1	13.60	13.60
Southington - Berlin (1670)	115	556 ACSR	OH	1	10.30	10.30
Southington - Berlin (1771)	115	556 ACSR	OH	1	10.20	10.20
West Side - Berlin (1765)	115	556 ACSR	OH	1	7.90	7.90
Dooley - West Side (1766)	115	556 ACSR	OH	1	6.50	9.10
		795 ACSR	OH	1	2.60	
Manchester - Hopewell (1767)	115	1272 ACSS	OH	1	7.00	7.00

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Berlin - East New Britain (1769)	115	1272 ACSR	OH	1	3.60	3.60
Southington - Colony via Hanover (1355)	115	4/0 Cu	OH	1	2.00	8.40
		556 ACSR	OH	1	6.30	
		954 ACSR	OH	1	0.10	
North Wallingford - E. Meriden (1466)	115	4/0 Cu	OH	1	0.40	1.80
		1590 ACSR	OH	1	1.40	
North Wallingford - Colony (1588)	115	954 ACSR	OH	1	0.10	2.70
		4/0 Cu	OH	1	2.50	
		556 ACSR	OH	1	0.10	
E. Meriden - Haddam (1975)	115	2-4/0 Cu	OH	1	0.40	16.30
		1272 ACSR	OH	1	7.90	
		1590 ACSR	OH	1	7.80	
		4/0 Cu	OH	1	0.20	
Haddam - Bokum (1261)	115	795 ACSR	OH	1	11.60	11.90
		1272 ACSR	OH	1	0.30	
Haddam - Bokum (1598)	115	795 ACSR	OH	1	11.60	11.90
		1272 ACSR	OH	1	0.30	
Middletown - Haddam (1620)	115	1272 ACSR	OH	1	7.90	13.70
		556 ACSR	OH	1	5.80	
Montville - Mystic via Buddington (CL&P Sec. of 1280)	115	795 ACSR	OH	1	9.10	16.00
		1272 ACSR	OH	1	5.70	
		556 ACSR	OH	1	1.20	
Montville - Buddington (CL&P Sec. of 1410)	115	556 ACSR	OH	1	6.80	6.80
Wallingford - Devon (CL&P Sec. of 1640)	115	1590 ACSR	OH	1	23.50	27.20
		3000 XLPE	UG	1	0.90	

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
		556 ACSR	OH	1	2.50	
		795 ACSR	OH	1	0.30	
Mystic - Shunock (1465)	115	795 ACSR	OH	1	7.90	7.90
Shunock - Wood River (CL&P Sec. of 1870S)	115	795 ACSR	OH	1	1.00	1.00
Norwalk - Weston (1637)	115	556 ACSR	OH	1	6.30	6.30
Norwalk - Flax Hill (1389)	115	795 ACSR	OH	1	2.80	2.80
Devon - Trumbull (1730)	115	556 ACSR	OH	1	4.50	4.50
Trumbull - Weston (1714)	115	556 ACSR	OH	1	9.40	12.50
		1590 ACSR	OH	1	3.10	
Norwalk - Hawthorne (1720)	115	556 ACSR	OH	1	13.90	13.90
Oldtown - Devon via Pequonnock (CL&P Sec. of 1710)	115	556 ACSR	OH	1	4.30	7.30
		1590 ACSR	OH	1	3.00	
Wilton - Peaceable (1470)	115	556 & 1590 ACSR	OH	1	5.00	5.30
		1272 ACSR	OH	1	0.30	
Wilton - Norwalk (1682)	115	3000 XLPE	UG	1	3.90	6.00
		3500 XLPE	UG	1	0.10	
		1272 & 1590 ASCR	OH	1	0.50	
		556 ACSR	OH	1	1.50	
Peaceable - Plumtree via Ridgefield (1565)	115	1272 ACSR	OH	1	5.40	11.60
		3000 XLPE	UG	1	6.20	
Plumtree - Stony Hill - Bates Rock (1770)	115	795 SSAC	OH	1	0.80	15.80
		795 ACSR	OH	1	5.70	
		2-1272 ACSR	OH	1	3.40	

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
		4/0 Cu	OH	1	5.90	
Plumtree - Newtown (1760)	115	1272 ACSR	OH	1	6.00	6.00
Newtown - Stevenson via Sandy Hook (1876)	115	1272 ACSR	OH	1	6.60	6.60
So. End - Glenbrook (1450)	115	1272 SSAC	OH	1	1.40	1.40
So. End - Darien via Glenbrook (1977)	115	1272 ACSR	OH	1	4.20	4.30
		2-3000XLPE	UG	1	0.10	
Darien - Compo (1416)	115	1272 ACSR	OH	1	2.60	7.60
		1590 SSAC	OH	1	5.00	
Compo - Pequonnock (UI) (CL&P Sec. of 1130)	115	1590 SSAC	OH	1	3.50	3.50
Sasco Creek - Ash Creek (CL&P Sec. of 1430)	115	1272 ACSR	OH	1	0.70	0.70
Rocky River - W. Brookfield (1618)	115	795 ACSR	OH	1	0.20	9.50
		336 ACSR	OH	1	1.50	
		2-954 ACSR	OH	1	3.10	
		2-1272 ACSR	OH	1	4.70	
W. Brookfield - Stony Hill - Shepaug (1887)	115	4/0 Cu	OH	1	7.40	12.30
		336 ACSR	OH	1	1.40	
		795 ACSR	OH	1	0.10	
		2-1272 ACSR	OH	1	3.40	
Branford - Branford RR (CL&P Sec. of 1537)	115	1272 ACSR	OH	1	2.70	2.70
Branford - North Haven (CL&P Sec of 1655)	115	795 ACSR	OH	1	9.80	11.10
		1590 ASCR	OH	1	1.30	
Rocky River - Carmel Hill (1813)	115	1272 ACSR	OH	1	11.10	11.10

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Carmel Hill - Frost Bridge (1238)	115	1272 ACSR	OH	1	9.90	9.90
Norwalk Harbor - Northport L.I. (CL&P Sec. of 601)	138	1374 kcm Cu+	UG	1	5.80	5.80
Norwalk Harbor - Northport L.I. (CL&P Sec. of 602)	138	1374 kcm Cu+	UG	1	5.80	5.80
Norwalk Harbor - Northport L.I. (CL&P Sec. of 603)	138	1374 kcm Cu+	UG	1	5.80	5.80
Norwalk Harbor - Glenbrook via Flax Hill (1867)	115	795 ACSR	OH	1	1.20	8.20
		1272 ACSR	OH	1	5.50	
		2500 MCM Cu	UG	1	1.50	
Branford RR - East Shore (CL&P Sec. of 1460)	115	1272 ACSR	OH	1	0.30	0.30
Norwalk Harbor - Glenbrook via Sasco Creek (1890)	115	1590 ACSR	OH	1	4.40	14.80
		1272 ALUM	OH	1	1.10	
		2000 MCM Cu	UG	1	1.50	
		1272 ACSR	OH	1	7.80	
Norwalk Harbor - Glenbrook via Norwalk (1880)	115	1272 ALUM	OH	1	1.10	11.10
		1590 ACSR	OH	1	4.40	
		795 ACSR	OH	1	4.10	
		2000 MCM Cu	UG	1	1.50	
Campville - Canton via Franklin Drive (1732)	115	556 ACSR	OH	1	7.40	16.40
		1272 ACSR	OH	1	9.00	
Campville - Thomaston (1921)	115	1272 ACSR	OH	1	5.80	5.80
Bristol - Chippen Hill via Southington (1810)	115	1272 ACSR	OH	1	3.90	12.80
		556 ACSR	OH	1	4.50	
		795 ACSR	OH	1	4.40	
Southington - Forestville (1800)	115	1272 ACSR	OH	1	6.20	6.20

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Forestville - Bristol (1825)	115	4/0 Cu	OH	1	2.70	5.00
		1272 ACSR	OH	1	2.30	
Torrington Terminal - Franklin Drive (1788)	115	556 ACSR	OH	1	1.90	1.90
Campville - Torrington Terminal (1900)	115	1272 ACSR	OH	1	3.70	6.00
		556 ACSR	OH	1	2.30	
Ludlow - Scitico (CL&P Sec. of 1515)	115	1272 ACSR	OH	1	6.60	6.60
Scitico - Franconia (CL&P Sec. of 1394)	115	1272 ACSR	OH	1	6.60	6.60
Montville - Fort Hill Farms (CL&P Sec. of 1090)	115	1590 ACSR	OH	1	0.10	3.50
		1 556 ACSR	OH	1	3.40	
Fort Hill Farms - Stockhouse (Bozrah) (CL&P Sec. of 1070)	115	556 ACSR	OH	1	7.50	7.60
		1590 ACSR	OH	1	0.10	
Stockhouse(Bozrah) - Card (CL&P Sec. of 1490)	115	556 ACSR	OH	1	10.70	10.70
Montville - Tunnel via Card & Lisbon (1080)	115	556 ACSR	OH	1	11.50	29.20
		1272 ACSR	OH	1	16.80	
		336 ACSR	OH	1	0.90	
Montville - Bean Hill (CL&P Sec. of 1000)	115	556 ACSR	OH	1	9.20	10.00
		1272 ACSR	OH	1	0.80	
Bean Hill - Tunnel (CL&P Sec. of 1675)	115	1272 ACSR	OH	1	6.90	6.90
Shepaug - Bates Rock (1622)	115	795 ACSR	OH	1	5.50	5.50
Branford - Stepstone (1738)	115	795 ACSR	OH	1	5.90	5.90
Stepstone- Green Hill (1508)	115	795 ACSR	OH	1	5.50	5.50

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Green Hill - Bokum (1342)	115	795 ACSS	OH	1	11.30	11.30
North Bloomfield - South Agawam (CL&P Sec. of 1821)	115	556 ACSS	OH	1	11.90	11.90
North Bloomfield - South Agawam (CL&P Sec. of 1836)	115	556 ACSR	OH	1	11.90	11.90
North Bloomfield - Canton via Northeast Simsbury (1784)	115	795 ACSR	OH	1	12.40	12.40
North Bloomfield - Bloomfield (1777)	115	1272 ACSR	OH	1	5.30	6.90
		556 ACSR	OH	1	1.60	
Manchester - Rood Ave (1448)	115	1272 ACSR	OH	1	6.20	8.10
		2- 954 ACSR	OH	1	1.90	
Northwest Hartford - North Bloomfield - Rood Ave (1751)	115	1272 ACSR	OH	1	9.60	13.00
		556 ACSR	OH	1	3.40	
Chippen Hill - Thomaston (1835)	115	2-336 ACSR	OH	1	0.60	6.90
		795 ACSR	OH	1	5.70	
		1272 ACSR	OH	1	0.60	
North Bloomfield - Farmington (1726)	115	1272 ACSR	OH	1	11.60	11.60
Berlin - Newington (1785)	115	556 ACSR	OH	1	6.70	7.00
		1272 ACSR	OH	1	0.30	
South Agawam - Franconia (CL&P Sec of 1858)	115	1272 ACSR	OH	1	5.30	5.30
Berlin - Newington via East New Britain (1783)	115	1272 ACSR	OH	1	3.50	7.10
		336 ACSR	OH	1	3.60	
South Meadow - Rocky Hill (1773)	115	2-556 ACSR	OH	1	1.70	7.70
		1272 ACSR	OH	1	6.00	

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Rocky Hill - Berlin (1752)	115	1272 ACSR	OH	1	3.40	3.40
S. Meadow - Bloomfield (1779)	115	556 ACSR	OH	1	2.00	11.60
		2-211 ACSR	OH	1	0.30	
		2-4/0 Cu.	OH	1	4.50	
		1272 ACSR	OH	1	4.50	
		2-1192 ACSR	OH	1	0.30	
Manchester - East Hartford (1207)	115	1272 ACSR	OH	1	3.20	3.20
East Hartford - South Meadow (1786)	115	1272 ACSR	OH	1	2.40	2.60
		2-477 SSAC		1	0.20	
Manchester - South Meadow (1775)	115	1272 ACSR	OH	1	5.70	5.90
		2-477 SSAC		1	0.20	
Bloomfield - N.W. Hartford (1756)	115	556 ACSR	OH	1	3.50	3.60
		1272 ACSR	OH	1	0.10	
N.W. Hartford - S.W. Hartford (1722)	115	3000 MCM ALUM	UG	1	2.80	2.80
South Meadow - S.W. Hartford (1704)	115	3000 MCM ALUM	UG	1	3.80	3.80
Middletown - Pratt & Whitney (Middletown) (1572)	115	556 ACSR	OH	1	1.50	1.50
Middletown - Dooley (1050)	115	1272 ACSR	OH	1	2.80	6.50
		556 ACSR	OH	1	3.70	
Middletown - Portland (1443)	115	556 ACSR	OH	1	0.10	0.70
		795 ACSR	OH	1	0.60	
Portland - Hopewell (1759)	115	556 ACSR	OH	1	9.10	9.10
Haddam - P&WA Middletown (1772)	115	1272 ACSR	OH	1	11.70	13.20
		556 ACSR	OH	1	0.20	

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
		1192 ACSR	OH	1	0.60	
		2-1192 ACSR	OH	1	0.70	
Glenbrook - Waterside (1440)	115	1272 ACSR	OH	1	2.60	2.60
Waterside - Cos Cob (1740)	115	1272 ACSR	OH	1	2.40	2.40
Cos Cob - South End via Tomac (1750)	115	1272 ACSR	OH	1	3.70	3.70
Old Town - Hawthorne (1222)	115	556 ACSR	OH	1	2.00	2.00
N. Bloomfield - Southwick (CL&P Sec. of 1768)	115	556 ACSR	OH	1	8.70	8.70
Tunnel - Frybrook Tap - Brooklyn Tap - Killingly (1505)	115	1272 ACSR	OH	1	25.70	25.70
Tunnel - Frybrook Tap - Exeter Tap - Killingly (1607)	115	1272 ACSR	OH	1	25.70	25.70
East Devon - Devon (1497)	115	4 - 954 ACSR	OH	1	1.30	1.30
Norwalk - Glenbrook (1522)	115	3000 XLPE	UG	1	8.50	8.50
Norwalk - Glenbrook (1734)	115	3500 XLPE	UG	1	8.50	8.50
East Devon - Devon (1776)	115	4 - 954 ACSR	OH	1	1.30	1.30
Manchester - South Windsor (1310)	115	795 ACSR	OH	1	1.30	7.30
		556 ACSR	OH	1	6.00	
South Windsor - Barbour Hill (1635)	115	795 ACSR	OH	1	2.20	4.70
		556 ACSR	OH	1	2.50	
Manchester - Barbour Hill (1763)	115	795 ACSR	OH	1	7.60	7.60
Montville - Gales Ferry (100)	69	556 ACSR	OH	1	2.40	2.40

**The Connecticut Light and Power Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Gales Ferry - Tunnel via Ledyard Jct. (CL&P Sec. of 400)	69	2/0 Cu.	OH	1	5.20	10.10
		4/0 Cu.	OH	1	3.30	
		556 ACSR	OH	1	1.60	
Falls Village - Salisbury (667)	69	4/0 ACSR	OH	1	6.10	6.10
Falls Village - Torrington Terminal (689)	69	336 ACSR	OH	1	19.90	19.90
Falls Village - Torrington Terminal (693)	69	336 ACSR	OH	1	19.90	19.90
Salisbury - Smithfield (CL&P Sec. of 690)	69	4/0 ACSR	OH	1	1.50	1.50
TOTAL OF THE CONNECTICUT LIGHT AND POWER COMPANY LOWER VOLTAGE PTF CKT. MILES						1108.90
TOTAL OF THE CONNECTICUT LIGHT AND POWER COMPANY CKT. MILES						1599.20

**Connecticut Municipal Electric Energy Co-op.
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Wallingford - Southington (CMEEC Sec. of 1208)	115	1272 ACSR	OH	1	0.2	0.2
		556 ACSR	OH	1	0.5	0.5
		556 ACSR	OH	1	0.5	0.5
Wallingford - North Haven (CMEEC Sec. of 1630)	115	1272 ACSR	OH	1	0.5	0.5
Wallingford - Devon (CMEEC Sec. of 1640)	115	1272 ACSR	OH	1	0.5	0.5
Fort Hill Farms - Montville (CMEEC Sec. of 1090)	115	1590 ACSR	OH	1	0.02	0.02
Fort Hill Farms - CMEEC/CL&P boundary (1070)	115	1590 ACSR	OH	1	0.02	0.02
Stockhouse (Bozrah) - CMEEC/CL&P boundary (1070)	115	556 ACSR	OH	1	0.1	0.1
Stockhouse (Bozrah) - Card (CMEEC Sec. of 1490)	115	556 ACSR	OH	1	0.1	0.1
Bean Hill - Dudley Tap (CMEEC Sec. of 1000)	115	556 ACSR	OH	1	0.1	0.1
Bean Hill - Tunnel (CMEEC Sec. of 1675)	115	1272 ACSR	OH	1	0.1	0.1
Groton (Montville -Buddington) (CMEEC Sec. of 1410)	115	556 ACSR	OH	1	1.78	1.78
Groton (Montville -Buddington-Mystic) (CMEEC Sec. of 1280)	115	556 ACSR	OH	1	1.78	1.78
TOTAL CONNECTICUT MUNICIPAL ELEC. Co-op. LOWER VOLTAGE PTF CKT. MILES						----- 6.20
TOTAL CONNECTICUT MUNICIPAL ELEC. Co-op CKT. MILES						----- 6.20

**Holyoke Gas And Electric Department
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Fairmont - Holyoke (HG&E)(1525 line)	115	795 ACSR	OH	1	0.80	0.80
Holyoke - Ingleside (1292 line)	115	795 ACSR	OH	1	3.14	3.14
Southampton Jct. - Ingleside (1657 line)	115	795 ACSR	OH	1	5.23	5.23
TOTAL HOLYOKE GAS AND ELECTRIC DEPARTMENT LOWER VOLTAGE PTF CKT. MILES						9.17
TOTAL HOLYOKE GAS AND ELECTRIC DEPARTMENT CKT. MILES						9.17

**Maine Electric Power Company
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Orrington - Keene Road (396)	345	2-795 ASCR	OH	1	0.26	50.85
		2-850.8 ACSR	OH	1	50.49	
		2-1192.5 ACSR	OH	1	0.10	
Keene Road - NB/ME Border - (MEPCO Section) (3001)	345	2-850.8 ACSR	OH	1	50.35	50.45
		2-1192.5 ACSR	OH	1	0.10	
Orrington - Maxcy's (388)	345	2-850.8 ACSR	OH	1	52.49	54.85
		2-900 ACSR	OH	1	2.36	
Maxcy's - Maine Yankee (392)	345	2-850.8 ACSR	OH	1	22.85	25.88
		2-900 ACSR	OH	1	3.03	
TOTAL MAINE ELECTRIC POWER COMPANY EHV PTF CKT. MILES						----- 182.03

**National Grid
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Carpenter Hill-Belchertown/Ludlow Town Line(NEP Sec.of 301)	345	2-900 AL	OH	1	23.10	23.10
Carpenter Hill - Millbury (302)	345	2-900 AL	OH	1	15.95	15.95
Brayton Point - Bellingham (303)	345	2-900 AL	OH	1	32.80	34.80
		2-1113AAC	OH	1	2.00	
Millbury - Wachusett (308)	345	2-1113 ACSR	OH	1	12.46	12.46
Millbury - Wachusett (313)	345	2-1113 AAC	OH	1	12.66	12.66
Wachusett - Sandy Pond (314)	345	2-1113 ACSR	OH	1	23.26	23.26
Brayton Point - Riverside Jct. (315)	345	2-954 ACSR	OH	1	35.00	35.00
Riverside Jct. - W. Farnum (315)	345	2-1024 ACAR	OH	1	3.40	3.40
Millbury - Milford/Medway Town Line (NEP Sec. of 323)	345	2-900 AL	OH	1	14.37	14.37
Sandy Pond - MA/NH State Line (NEP Sec. of 326)	345	2-900 AL	OH	1	12.40	12.40
Sherman Rd - W Farnum (328)	345	2-1025 ACAR	OH	1	8.99	8.99
Bridgewater/Middleboro Line - Walpole Jct.(NEP sec of 331)	345	2335 ACAR	OH	1	23.60	23.60
Kent County - West Farnum (332)	345	2-954 ACSR	OH	1	21.40	21.40
Sandy Pond - Tewksbury (337)	345	2-954 ACSR	OH	1	15.90	15.90
Tewksbury - Billerica/Burlington Town Line (NEP Sec. of 338)	345	2-954 ACSR	OH	1	6.70	6.70
Tewksbury - Wakefield Jct (339)	345	2-1590 ACSR	OH	1	15.10	15.10
Wachusett - Sandy Pond (343)	345	2-1113 AAC	OH	1	22.43	22.43
Bridgewater - Walpole Jct. (NEP sec of 344)	345	2-1703 ACAR	OH	1	19.10	19.10

**National Grid
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Sherman Rd - RI/CT State Line (NEP sec of 347)	345	2-1024 ACAR	OH	1	8.66	8.66
Golden Hills - Wakefield Jct (349)	345	2-1590 ACSR	OH	1	2.40	2.40
Millbury - Milford/Medway Town Line (NEP Sec. of 357)	345	2-1113 ACSR	OH	1	14.27	14.27
Ward Hill - West Amesbury - MA/ NH State Line (NEP sec of 394)	345	2-1590 ACSR	OH	1	2.84	16.84
		2-2156 ACSR	OH	1	14.00	
Tewksbury - Ward Hill (397)	345	2-1590 ACSR	OH	1	15.16	15.16
Sherman Rd - RI/MA State Line (NEP sec of 3361)	345	2-1025 ACAR	OH	1	0.23	0.23
Bellingham - W. Medway #446 (NEP Sec. Of 3520)	345	2-900 AL	OH	1	2.05	2.05
Comerford - N. Litchfield (A-201)	230	795 ACSR	OH	1	104.56	104.56
Comerford - Dunbarton (B-202)	230	795 ACSR	OH	1	91.36	91.36
Dunbarton - N. Litchfield (B-202)	230	795 ACSR	OH	1	13.20	13.20
Moore - Comerford (C-203)	230	554 AL	OH	1	6.61	6.61
Comerford - Littleton Tap (D-204)	230	554 AL	OH	1	5.92	5.92
Littleton Tap - Littleton Sub. (PSNH) (D-204)	230	795 ACSR	OH	1	0.17	0.17
Pratts Jct. - Bear Swamp (E-205E)	230	795 AL, ACSR	OH	1	73.93	73.93
Bear Swamp - Vermont/NY State Line (NMPC) (E-205W)	230	795 AL, ACSR	OH	1	27.13	27.13
N. Litchfield -Tewksbury (N-214)	230	795 ACSR	OH	1	21.80	21.80
N. Litchfield - Tewksbury (O-215)	230	795 ACSR	OH	1	21.80	21.80
TOTAL NATIONAL GRID USA EHV PTF CKT. MILES						----- 746.71

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Providence-Hartford Ave. (E-105/F-106)	115	2750 CU	UG	2	6.82	13.64
Adams - Bennington (VELCO) (Q-117)	115	795 ACSR	OH	1	7.40	7.40
Millbury - Webster St. Tap (A-127/B-128)	115	4/0 CU	OH	2	6.90	13.80
Webster St. Tap - Montague Tap (A-127/B-128)	115	4/0 CU	OH	2	46.30	92.60
Montague Tap - Harriman (A-127/B-128)	115	4/0 CU	OH	2	21.13	42.26
Webster St. Tap - Webster St. (A-127)	115	4/0 CU	OH	2	2.12	4.24
Montague Tap - Indeck - Montague (NU) (B-128)	115	4/0 CU	OH	1	2.74	2.74
Beaver Pond - Bellingham/Medway Town Line (NSTAR) (C-129N)	115	2-636 AL	OH	1	5.30	5.30
Milford/Medway Town Line (NSTAR) -Milford Power-Depot St.Tap-Rocky Hill-Hopkinton- Millbury (C-129N)	115	795 AL	OH	1	14.54	14.54
Beaver Pond - Union St. (C-129)	115	2-636 AL	OH	1	1.70	1.70
Union St. - S. Wrentham (C-129S)	115	2-636 AL	OH	1	3.30	3.30
Depot St. Tap - Milford Power Tap - Milford Power (C-129N)	115	477 & 1590ACSR	OH	1	2.90	2.90
Depot St. Tap - Milford Power Tap - Milford Power (D-130)	115	795 ACSR & 1590 ACSR	OH	1	2.90	2.90
Millbury - Hopkinton - Rocky Hill - Depot St. Tap - Medway (BEC0) (D-130)	115	795 AL	OH	1	14.53	14.53
Adams - Bear Swamp Jct. (E-131)	115	1113 ACSR	OH	1	6.74	6.74
Harriman - Bear Swamp Jct. (E-131)	115	1113 ACSR	OH	1	5.53	5.53
Bear Swamp - Bear Swamp Jct. (E-131)	115	2-1113 ACSR	OH	1	2.60	2.60
Adams - Lanesboro (WMECO) (F-132)	115	1113 ACSR	OH	1	12.55	12.55
W. Methuen - Golden Rock Tap - E. Methuen (G-133W)	115	1590 ACSR	OH	1	2.05	2.05
E. Methuen - Ward Hill (G-133E)	115	1590 ACSR	OH	1	3.16	3.16

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Bellow Falls - Monadnock Tap - Fitzwilliam (I-135N)	115	795 ACSR	OH	1	27.96	27.96
Fitzwilliam - E. Winchendon Tap - Ashburnham - Flagg Pond (I-135)	115	795 ACSR	OH	1	23.46	23.46
Pratts Jct. - Flagg Pond (I-135S/J-136S)	115	795 ACSS	OH	2	8.40	16.80
Flagg Pond - Bellows Falls (J-136N)	115	4/0 CU	OH	1	51.98	51.98
Sandy Pond - Ayer (K-137)	115	1590 ACSR	OH	1	3.52	3.52
Ayer - Pratts Jct. (K-137W)	115	1590 ACSR	OH	1	13.17	13.17
Tewksbury - Sandy Pond (K-137E/L-138E)	115	1590 ACSR	OH	2	15.79	31.58
Sandy Pond - Laurel Circle - Pratts Jct. (L-138W)	115	1590 ACSR	OH	1	14.82	14.82
Tewksbury - Billerica Tap - Pinehurst - Billerica/Burlington Town Line (BECO) (M-139/N-140)	115	795 ACSR	OH	2	6.65	13.30
Pratts Jct. - Sterling Tap - Wachusett (O-141N)	115	954 ACSR	OH	1	8.40	8.40
Wachusett - Greendale (O-141W)	115	954 ACSR & 636 ACSS	OH OH	1 1	1.90 2.41	4.31
Greendale - Nashua St. (O-141)	115	636 ACSS	OH	1	2.50	2.50
Nashua St. - Millbury (O-141S)	115	636 ACSS 954 ACSR	OH OH	1 1	4.88 10.50	15.38
Pratts Jct. - Sterling Tap - Wachusett (P-142N)	115	954 ACSR	OH	1	8.40	8.40
Wachusett - W. Boylston (P-142W)	115	1590 ACSR	OH	1	0.75	0.75
W. Boylston - Rolfe Ave (P-142)	115	1590 ACSR 1113 ACSS	OH OH	1 1	4.80 0.95	5.75
Rolfe Ave. - Millbury (P-142S)	115	954 ACSR 1113 ACSS 1590 ACSR	OH OH OH	1 1 1	3.10 1.36 1.60	5.96
Millbury - Whitins Pond Tap - Uxbridge (Q-143N)	115	795 ACSR	OH	1	12.17	12.17

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Uxbridge - Woonsocket (Q-143S)	115	795 ACSR	OH	1	9.81	9.81
Millbury - Whitins Pond Tap - Woonsocket (R-144)	115	795 ACSR	OH	1	19.42	19.42
Salem Harbor - Canal St./Railyard (S-145E)	115	2200 CU	UG	1	1.44	1.44
Canal St./Railyard - West Salem - Bartholomew- Wakefield Jct. (S-145E/T-146E)	115	1590 ACSR	OH	2	8.28	16.56
Wakefield Jct. - N. Rdg - Burr Rd - E. Tewksbury - Tewksbury (S-145/T-146)	115	300 CU	OH	2	14.91	29.82
Salem Harbor - Canal St./Railyard (T-146E)	115	2-1000 CU	UG	1	1.31	1.31
Read St. - Robinson Ave Tap - Washington (V-148S)	115	795 AL & 1113 AL	OH	1	7.23	7.23
Washington - Woonsocket (V-148N)	115	795 AL	OH	1	4.34	4.34
Bellows Falls - Ascutney Tap - Slayton Hill (W-149S)	115	336 ACSR & 954 ACSR	OH OH	1 1	19.40 17.70	37.10
Slayton Hill - Mt. Support - Wilder (W-149N)	115	954 ACSR	OH	1	3.30	3.30
Hudson (PSNH) - Dracut Jct. (Y-151)	115	4/0 CU	OH	1	9.32	9.32
W. Methuen - Dracut Jct. - Tewksbury (Y-151)	115	795 & 1590 ACSR	OH	1	9.80	9.80
S. Danvers - King St. Tap - Ward Hill (B-154N/C-155N)	115	795 AL, ACSR 1590 ACSR	OH	2	17.29	34.58
Salem Harbor - S. Danvers (B-154S/C-155S)	115	1351 SSAC 1590 ACSR	OH	2	4.90	9.80
Northboro Rd. - W. Framingham (BEC) (D-156)	115	795 ACSR	OH	1	5.47	5.47
Millbury - East Main Street - Northboro Road (E-157)	115	795 ACSR	OH	1	13.70	13.70
Wakefield Junction - Wakefield Municipal Tap - Melrose Tap - Maplewood (F-158N)	115	1113 AL & 795 ACSR	OH	1	4.28	6.64

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
		1590 ACSR	OH	1	2.36	
Maplewood - Everett (F-158S)	115	795 ACSR	OH	1	2.48	2.48
Everett - Mystic #250 (BECO)(O-167/423-515)	115	795 ACSR	OH	1	1.50	1.69
		1250 CU	UG	1	0.19	
Revere - Chelsea (BECO) (P-168/128-518)	115	795 AL	OH	1	0.20	0.20
Chelsea (BECO) - Mystic (BECO) (P-168/488-518)	115	795 ACSS	OH	1	1.25	1.52
		2-2250 CU	UG	1	0.27	
Lynn - GE River Works Tap - Resco Saugus- Golden Hills Melrose Tap - Wakefield Muni Tap - Wakefield Junction (Q-169)	115	795 ACSS	OH	1	6.74	9.46
		1590 ACSR	OH	1	2.72	
Woonsocket - Hartford Ave. via W. Farnum Taps (S-171N/T-172N)	115	1590 ACSR	OH	2	12.54	25.08
West Farnum - W. Farnum Taps (S-171N/T-172N)	115	1590 ACSR	OH	2	0.17	0.34
Hartford Ave.-Johnston tap-RISE tap-W.Cranston-Drumrock (S-171S/T-172S)	115	1590 ACSR	OH	2	10.23	20.46
RISE tap - RISE (FPLE) (S-171S/T-172S Taps)	115	2-795 ACSR	OH	2	0.03	0.06
Carpenter Hill - N. Oxford - Millbury (V-174)	115	1590 ACSR	OH	1	15.20	15.20
Palmer - Little Rest Rd. - W. Charlton - Carpenter Hill (W-175)	115	795 AL & 1590 ACSR	OH	1	17.58	17.58
Palmer - Thorndike - Belchertown/Ludlow Town Line (WMECO) (X-176)	115	1590 ACSR	OH	1	9.00	9.00
Harriman - Montague (Y-177)	115	795 AL & ACSR	OH	1	25.81	25.81
Lynnway - GE Lynn Tap - Revere (A-179)	115	795 ACSR	OH	1	3.80	5.10
		795 ACSS	OH	1	1.30	
Chartley Pond - S. Wrentham (C-181N)	115	2-636 AL	OH	1	8.76	8.76
Brayton Point - Chartley Pond (C-181S)	115	2-636 AL	OH	1	17.75	17.75
Brayton Point - S. Wrentham (D-182)	115	2-636 AL	OH	1	26.54	26.54

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Brayton Point - Merriman Jct.- Mink St.- Wampanoag (E-183E)	115	2-1113 AL	OH	1	12.50	12.50
Wampanoag - Franklin Square (E-183W)	115	2-1113 AL	OH	1	3.62	3.62
Brayton Point - Merriman Jct. - Mink St. - Read St. (F-184)	115	2-1113 AL	OH	1	20.77	20.77
Drumrock - Kent County (G-185N)	115	795 ACSR	OH	1	0.99	0.99
Kent County - West Kingston (G-185S)	115	1113 ACSR	OH	1	4.30	17.67
		795 ACSR	OH	1	0.96	
		1590 ACSR	OH	1	12.41	
Drumrock - Kent County (K-189)	115	2-795 ACSR	OH	1	0.99	0.99
Kent County - Tower Hill - West Kingston (L-190)	115	795 AL,ACSR	OH	1	13.55	18.85
		1113 ACSS	OH	1	3.60	
		1590 ACSR	OH	1	1.70	
Moore - Littleton Tap (PSNH) (Q-195)	115	477 ACSR	OH	1	0.05	0.05
Bear Swamp - Deerfield No. 4 Station (S-197)	115	795 ACSR	OH	1	14.10	14.10
West Kingston - Kenyon (1870N)	115	1113 ACSR	OH	1	4.20	4.20
Kenyon - Wood River (1870)	115	1113 ACSR	OH	1	3.80	3.80
Wood River - Mystic (CL&P) (1870S)	115	795 AL	OH	1	7.20	7.20
Grove St. Tap (BECo) - Mid-Weymouth - Edgar (478-509)	115	795 ACSR	OH	1	0.18	0.18
Parkview - Auburn (A94)	115	795 ACSR	OH	1	8.53	8.53
Dupont - Auburn (C2)	115	636 ACSR	OH	1	1.98	1.98
Bell Rock - Dartmouth Line (D21)	115	795 ACSR	OH	1	4.22	4.22
Bridgewater - E. Bridgewater Tap (E20)	115	628.7 ACSR	OH	1	4.09	4.09
E. Bridgewater Tap - Auburn (E20)	115	628.7 ACSR	OH	1	4.41	4.41

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Bridgewater - Auburn Street (F19)	115	636 ACSR	OH	1	4.06	8.50
		954 ACSR	OH	1	4.44	
Bridgewater - Dupont (G18)	115	636 ACSR	OH	1	7.60	7.60
W. Farnum - Farnum Tap - Riverside (H17)	115	795 ACSR	OH	1	2.07	5.44
		795 AL	OH	1	1.54	
		477 SSAC	OH	1	1.83	
Staples - Riverside (J16)	115	465.4 AAAC	OH	1	3.78	3.78
Swansea - Robinson (K15)	115	477 ACSR	OH	1	16.42	16.42
Somerset - Tiverton Tap - Canonicus (M13)	115	795 ACSR	OH	1	12.26	12.26
Canonicus - Dexter (M13 / L14)	115	636 AAC/ACSR	OH	2	7.43	14.86
Tiverton Tap - EMI Tiverton Tap (M13/L14)	115	795 ACSR	OH	2	1.90	3.80
EMI Tiverton Tap - EMI Tiverton (M13/L14)	115	795 ACSR	OH	2	0.53	1.06
Bell Rock - Tiverton Tap- Canonicus (L14)	115	636 ACSR	OH	1	8.75	8.75
Somerset - Bell Rock (N12)	115	795 ACSR	OH	1	3.46	3.46
Pawtucket - Robinson (P11)	115	477 ACSR	OH	1	8.75	8.75
Robinson - Valley Sub. (P11)	115	336.4 ACSR	OH	1	0.88	0.88
Robinson - Staples (Q10)	115	477 ACSR	OH	1	5.89	5.89
Valley Sub. - Riverside (R9)	115	465.4 AAAC	OH	1	10.04	10.04
Belmont Tap - Belmont (S1)	115	795 ACSS	OH	1	4.27	4.27
Somerset - Taunton Tap (S8)	115	628.7 ACSR	OH	1	9.83	9.83
Taunton Tap - Raynham - Bridgewater (S8)	115	628.7 ACSR	OH	1	9.92	9.92
Somerset - Pawtucket (T7)	115	795 ACSR	OH	1	18.00	18.00

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Belmont - Stoughton Tap (U2)	115	636 ACSR	OH	1	2.83	2.83
Stoughton Tap - Parkview (U2)	115	636 ACSR	OH	1	0.74	0.74
Somerset - Dighton (U6)	115	636 ACSR	OH	1	6.78	6.78
Dighton - EMI Dighton (U6)	115	636 ACSR	OH	1	1.00	1.00
EMI Dighton - Raynham - Bridgewater (U6)	115	795 ACSR	OH	1	12.00	12.00
Somerset - Dighton (V5)	115	636 ACSR	OH	1	6.78	6.78
Dighton - Taunton Tap (V5)	115	636 ACSR	OH	1	3.05	3.05
Taunton Tap - Bridgewater (V5)	115	636 ACSR	OH	1	9.92	9.92
Somerset - Swansea (W4)	115	447 ACSR	OH	1	4.46	4.46
Somerset - Phillipsdale Tap - Pawtucket (X3)	115	336.4 ACSR	OH	1	18.36	18.36
Millbury #2 - Millbury #1 (No. 1 Trans. Line)	115	1113 ACSR	OH	1	0.20	0.20
Millbury #2 - Millbury #1 (No. 2 Trans. Line)	115	4/0 CU	OH	1	0.16	0.16
Millbury #2 - Millbury #1 (No. 3 Trans. Line)	115	4/0 ACSR	OH	1	0.16	0.16
Chestnut Hill, Athol - Vernon (A-1 N)	69	2/0 CU	OH	1	26.26	26.26
Otter River - Chestnut Hill, Athol (A-1)	69	2/0 CU	OH	1	11.09	11.09
Pratts Jct. - Otter River (A-1 S)	69	2/0 CU	OH	1	21.78	21.78
Park St., Gardner - Vernon (B-2 N)	69	2/0 CU	OH	1	31.81	31.81
Pratts Jct. - Park St., Gardner (B-2 S)	69	2/0 CU	OH	1	18.87	18.87
Vernon - Deerfield No. 4 Station (D-4)	69	477 ACSR	OH	1	16.55	16.55
Millbury - Meadow St., Spencer (E-5E/F-6E)	69	477 ACSR	OH	2	14.65	29.30
Meadow St., Spencer - Ware (E-5/F-6)	69	477 ACSR	OH	2	10.83	21.66

**National Grid
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Ware - Shutesbury (E-5W)	69	336 ACSR	OH	1	19.43	19.43
Shutesbury-Deerfield No.3 Sta.-Deerfield No.4 Sta. (E-5D)	69	336 ACSR	OH	1	21.16	21.16
Ware-Deerfield No.2 Sta.-Deerfield No.4 Sta. (F-6W)	69	336 ACSR	OH	1	40.62	40.62
Deerfield No. 5 Station - Adams (J-10)	69	#1 CU & 394 AL	OH	1	8.50	8.50
Ware - Palmer (O-15N)	69	795 ACSR	OH	1	10.30	10.30
Fitch Rd - Woodside (W-23)	69	795 ACSR	OH	1	8.40	8.40
Woodside - Northboro Rd (W-23W)	69	477 ACSR 795 AL	OH OH	1 1	3.42 0.25	3.67
Westboro - Northboro Road (X-24E)	69	795 ACSR, AL	OH	1	4.20	4.20
Millbury - N. Grafton Tap - Westboro (X-24W)	69	795 ACSR	OH	1	10.33	10.33
Harriman - Searsburg (Y-25N)	69	477 ACSR	OH	1	8.48	8.48
Searsburg - GMP Wind Farm Tap - Bennington (VELCO) (Y-25N)	69	477 ACSR	OH	1	3.07	3.07
Deerfield No. 5 Station - Harriman (Y-25S)	69	477 ACSR	OH	1	5.30	5.30
Fitch Road, Clinton - Wachusett (M-39)	69	795 ACSR	OH	1	6.60	6.60
Pratts Jct. - Fitch Road, Clinton (N-40)	69	795 ACSR	OH	1	4.30	4.30
Dexter - Jepson (61/62)	69	636 AL	OH	2	4.40	8.80
TOTAL NATIONAL GRID USA LOWER VOLTAGE PTF CKT. MILES						----- 1609.94 -----
TOTAL NATIONAL GRID USA CKT. MILES						2356.65

**New Hampshire Transmission, LLC
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>	
Seabrook - Scobie (363)	345	SF6 BUS	OH	1	0.20	0.20	*
Seabrook - Timber Swamp Rd - Newington (369)	345	SF6 BUS	OH	1	0.20	0.20	*
Seabrook - NH/MA State Line (PSNH Sec. of 394)	345	SF6 BUS	OH	1	0.20	0.20	*
						0.60	
TOTAL NEW HAMPSHIRE TRANSMISSION, LLC EHV PTF CKT. MILES							

* NHT owns 88.22889 % of these facilities, MMWEC owns 11.59340% of these facilities, Taunton MLP owns 0.10034% of these facilities, and Hudson L&P owns 0.07737% of these facilities.

**Norwood Municipal Light Department
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Norwood Tap- Norwood Station #495 (447-508)	115	795 ACSR	OH	1	3.32	3.32
Norwood Tap - Norwood Station #495 (447-509)	115	795 ACSR	OH	1	3.32	3.32
Norwood Station #495 - Norwood Station #469 (495-532)	115	1000 CU	UG	1	2.25	2.25 *
Norwood Station #495 - Norwood Station #469 (495-533)	115	1000 CU	UG	1	2.28	2.28 *
TOTAL NORWOOD MUNICIPAL LIGHT DEPARTMENT LOWER VOLTAGE PTF CKT. MILES						----- 11.17 -----
TOTAL NORWOOD MUNICIPAL LIGHT DEPARTMENT CKT. MILES						11.17

* Station #495 = Town of Norwood Dean St. Substation

* Station #469 = Town of Norwood Ellis Ave. Substation

**NSTAR
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
W. Medway #446 - Framingham #240 (240-601)	230	1113 ACSR	OH	1	10.96	10.96
W. Medway #446 - Waltham #282 (282-602)	230	1113 ACSR	OH	1	24.84	24.84
W. Medway #446 - W. Walpole #447 (325)	345	2500 ACSR	OH	1	9.62	9.62
W. Medway #446 - W. Walpole #447 (389)	345	2-954 ACSR	OH	1	9.57	9.57
W. Medway #446 - Milford/Millbury (NSTAR Sec.of 323)	345	2-900 AL	OH	1	1.83	1.83
W. Medway #446 - Milford/Millbury (NSTAR Sec.of 357)	345	2-1113 ACSR	OH	1	1.83	1.83
W. Medway #446 - Brayton Pt. (NSTAR Sec. of 3520)	345	2-900 AL	OH	1	0.10	0.10
W. Medway #446 - NEA Tap (336)	345	2-900 ACSS	OH	1	5.55	5.55
NEA Tap - ANP Blackstone #309 (336)	345	2-1024 ACAR	OH	1	0.89	2.32
		2-900 ACSS	OH	1	1.43	
ANP Blackstone #309 - Sherman Road (Sec. of 3361 in MA)	345	2-1024 ACAR	OH	1	9.54	10.61
		2-900 ACSS	OH	1	1.07	
W. Medway #446 - W. Walpole Jct. (NSTAR Sec. of 344)	345	2-1703 ACAR	OH	1	8.93	8.93
W. Walpole #447 - W. Walpole Jct. (NSTAR Sec.of 331)	345	2500 ACSR	OH	1	0.65	0.65
Stoughton #330 - Holbrook #478 (316)	345	2-1590 ACSR	OH	1	5.65	5.65
W. Walpole #447 - Stoughton #330 (3161)	345	2-1590 ACSR	OH	1	9.00	9.00
Pilgrim #650 - Carver #726 (355)	345	2-1703 ACAR	OH	1	14.70	14.70
Pilgrim #650 - Jordan Rd. Jct. (342)	345	2-1703 ACAR	OH	1	4.70	4.70
Jordan Rd. Jct. - Snake Hill Rd (Pilgrim Tap) (342)	345	2-1703 ACAR	OH	1	2.60	2.60
Jordan Rd. Jct. - Auburn #451 (NEP Station) (342)	345	2-1590 ACSR	OH	1	25.85	25.85
Auburn (NEP Substation) #451 - Holbrook #478 (335)	345	2-1590 ACSR	OH	1	7.30	7.30
Mystic #250, Everett - Golden Hills (349XY)	345	2-2000 Cu	UG	1	6.28	6.28

**NSTAR
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
Mystic #250, Everett - N. Cambridge #509 (358)	345	2500 Cu	UG	1	4.96	4.96
Mystic #250, Everett - N. Cambridge #509 (351)	345	2500 Cu	UG	1	4.96	4.96
Mystic #250, Everett - Kingston Street #514T, Boston (324)	345	2250 Cu	UG	1	4.20	4.20
Mystic #250, Everett - Kingston Street #514T, Boston (372)	345	2250 Cu	UG	1	4.20	4.20
N. Cambridge #509 - Woburn #211 (346)	345	2500 Cu	UG	1	6.02	6.02
N. Cambridge #509 - Woburn #211 (365)	345	2500 Cu	UG	1	6.02	6.02
Woburn #211 - Billerica Town Line (NSTAR Sec. of 338)	345	2-954 ACSR	OH	1	6.18	6.18
Woburn #211 - Lexington #320 (319)	345	2-1113 ACSR	OH	1	8.24	8.24
Hyde Park #496 - Stoughton #330 (3164)	345	2500 Cu	UG	1	11.20	11.20
Kstreet #385 - Stoughton #330 (3162)	345	2500 Cu	UG	1	17.5	17.5
Kstreet #385 - Stoughton #330 (3163)	345	2500 Cu	UG	1	17.5	17.5
Canal Plant - Snake Hill Rd (Pilgrim Tap) (#322)	345	1-2335 ACAR	OH	1	13.00	13.00
Snake Hill Rd (Pilgrim Tap) - Carver (#322)	345	1-2335 ACAR	OH	1	7.40	7.40
Carver - Bridgewater/Middleboro Line (#331)	345	1-2335 ACAR	OH	1	9.40	9.40
Canal Plant - Snake Hill Rd (Pilgrim Tap) (#342)	345	2-1703 ACAR	OH	1	13.00	13.00
Carver #726 - Bridgewater (NSTAR Sec. Of 356)	345	2-1703 ACAR	OH	1	9.40	9.40
TOTAL NSTAR COMPANY EHV PTF CKT. MILES						----- 306.07

**NSTAR
LOWER VOLTAGE PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
Mystic #250, Everett - Woburn #211 (211-514)	115	1250 Cu	UG	1	7.72	7.72
Mystic #250 - Everett (NSTAR) (NSTAR sec. of 423-515)	115	1250 Cu	UG	1	0.31	0.31
Mystic #250, Everett - Chelsea #488 (NSTAR) (NSTAR sec. of 488-518)	115	2-2250 Cu	UG	1	0.22	1.37
		795 ACSS	OH	1	1.15	
Chelsea #488 - Revere (NSTAR) (128-518)	115	795 Al	OH	1	0.85	0.85
Mystic #250, Everett - Hawkins #2 (250-516/517)	115	2000 Cu	UG	2	2.60	5.20
Hawkins #2 - Chatham St. #12 (250-516/517)	115	2250 Cu	UG	2	0.54	1.08
Chatham St. #12 - K Street #385 (250-516/517)	115	2250 Cu	UG	2	2.37	4.74
K Street #385 - High Street #53 (385-510/511)	115	3500 Al / 2250 Cu	UG	2	1.86	3.72
High Street #53 - Kingston Network #514N (385-510/511)	115	3500 Al	UG	2	0.31	0.62
Kingston Network #514N - Kingston Street #514T (385-510/511)	115	3500 Cu	UG	2	0.04	0.08
K Street #385 - Kingston Street #514T (385-512/513)	115	2250 Cu	UG	2	2.31	4.62
Mystic #250, Everett - Somerville #402 (329-510/511)	115	1250 Cu	UG	2	1.98	3.96
Somerville #402 - Brighton #329 (329-510/511)	115	1250 Cu	UG	2	2.59	5.18
Kingston Street #514 - Carver St. #71 (329-512/513)	115	2250 Cu	UG	2	1.10	2.20
Carver St. #71 - Scotia St. #492 (329-512/513)	115	1500 Cu	UG	2	1.54	3.08
Scotia St. #492 - Brighton #329 (329-512/513)	115	1500 Cu	UG	2	2.88	5.76
Kingston St. #514 - Colburn St. (514-510/511)	115	3500 Al	UG	2	3.45	6.90
Colburn St. - Washington St. Tap (110-510/511)	115	1750 Al	UG	2	2.10	4.20
Brighton #329 - Washington St. (110-510/511)	115	1250 Cu	UG	2	1.26	2.52
Washington St. Tap - Baker St. #110 (110-510/511)	115	1250 Cu	UG	2	5.46	10.92

**NSTAR
LOWER VOLTAGE PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
Brighton #329 - Watertown #467 (282-520/521)	115	1250 Cu	UG	2	2.63	5.26
Watertown #467 - Waltham #282 (282-520/521)	115	1250 Cu	UG	2	4.79	9.58
Brighton #329 - N. Cambridge #509 (329-530/531)	115	2250 Cu	UG	2	2.85	5.70
Waltham #282 - Trapelo Rd. #450 (320-507/508)	115	4/0 Cu	OH	2	2.66	5.32
Trapelo Rd. #450 - Lexington #320 (320-507/508)	115	4/0 Cu	OH	2	2.54	5.08
Lexington #320 - Hartwell Ave. #533 (533-508)	115	1113 ACSR	OH	1	1.90	1.90
Hartwell Ave. #533 - Burlington #391 (391-508)	115	1113 ACSR	OH	1	2.64	2.64
Burlington #391 - Woburn #211 (211-508)	115	1113 ACSR	OH	1	3.74	3.74
Woburn #211 - North Woburn Tap (211-503/504)	115	795 ACSR	OH	2	4.06	8.12
North Woburn Tap - Billerica Town Line (NSTAR) (211-503/504)	115	795 ACSR	OH	2	2.17	4.34
North Woburn Tap - Reading Tap (211-503/504)	115	795 ACSR	OH	2	2.28	4.56
Reading Tap - Reading Town Line (211-503/504)	115	795 Al	OH	2	1.42	2.84
Holbrook #478 - Swift's Beach Tap (478-502)	115	556.6 ACSS	OH	1	4.93	4.93
	115	2-1000 Cu	UG	1	0.10	0.10
Swift's Beach Tap - Braintree Line (478-502)	115	636 ACSS	OH	1	0.16	0.16
Swift's Beach Tap - Edgar #150, Weymouth (478-502)	115	636 ACSS	OH	1	1.03	1.03
Holbrook #478 - E. Weymouth Tap (478-503)	115	556.5 ACSS	OH	1	4.93	5.13
		1000 Cu	UG	1	0.10	
		750 Cu	UG	1	0.10	
E. Weymouth Tap - Edgar #150, Weymouth (478-503)	115	636 ACSS	OH	1	1.03	1.03
Holbrook #478 - East Weymouth Tap (478-508)	115	795 ACSR	OH	1	4.95	4.95
		750 Cu	UG	1	0.08	0.08
East Weymouth Tap - Edgar #150, Weymouth (478-508)	115	795 ACSR	OH	1	0.98	0.98

**NSTAR
LOWER VOLTAGE PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
Holbrook #478 - Grove St. Tap (478-509)	115	795 ACSR	OH	1	1.73	1.73
		750 Cu	UG	1	0.11	0.11
Grove St. Tap - Mid Weymouth Tap (478-509)	115	795 ACSR	OH	1	1.58	1.58
Mid Weymouth Tap - Edgar #150, Weymouth (478-509)	115	795 ACSR	OH	1	2.61	2.61
Holbrook Tap- Auburn St. #451, Whitman (451-536)	115	2-1590 ACSR & 2-795 ACSR	OH	1	7.42	7.42
Holbrook #478 - Holbrook Tap (451-536)	115	2-795 ACSR	OH	1	0.01	0.01
Holbrook #478 - South Randolph Tap (447-508/509)	115	795 ACSR	OH	2	2.39	4.78
South Randolph Tap - Canton #470 (447-508/509)	115	795 ACSR	OH	2	6.78	13.56
Canton #470 - Norwood Tap (447-508/509)	115	795 ACSR	OH	2	0.72	1.44
Norwood Tap - Walpole #146 (447-508/509)	115	795 ACSR	OH	2	4.15	8.30
Walpole #146 - W. Walpole #447 (447-508/509)	115	795 ACSR	OH	2	0.64	1.28
W. Walpole #447 - Medway #65 (65-502)	115	556.5 ACSS	OH	1	9.32	9.32
W. Walpole #447 - Medway #65 (65-508)	115	556.5 ACSS	OH	1	9.66	9.66
W. Walpole #447 - Dover #456 (456-522)	115	2-795 Al	OH	1	5.64	5.64
Dover #456 - Needham #148 (148-522)	115	2-795 Al	OH	1	3.77	5.08
		2-1250 Cu	UG	1	1.31	
Medway #65 - Milford/Millbury Town Line (NSTAR) (201-501)	115	795 Al	OH	1	2.02	2.02
Bellingham - Milford Town Lines (NSTAR) (201-502)	115	795 ACSR	OH	1	2.02	2.02
Sherborn #274 - Medway #65 (274-509)	115	954 ACSR	OH	1	9.35	9.35
Framingham #240 - Sherborn #274 (240- 508)	115	795 ACSR	OH	1	1.51	1.51
Sherborn #274 - W. Framingham #455 (455-507)	115	795 ACSR	OH	1	5.75	5.75

**NSTAR
LOWER VOLTAGE PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
W. Framingham #455 - Str. 81, Southborough (NSTAR) (513-507)	115	795 ACSR	OH	1	0.95	0.95
Framingham #240 - Needham #148 (240-510)	115	954 ACSS	OH	1	9.15	9.15
Needham #148 - Baker St. #110 (240-510+110-522)	115	2-954 AI	OH	2	3.80	7.60
Framingham #240 - Speen St. #433 (433-507)	115	1113 ACSR	OH	1	4.43	4.43
Speen St. #433 - Sudbury #342 (342-507)	115	954 ACSS	OH	1	3.49	3.49
Sudbury #342 - Waltham #282 (282-507)	115	954 ACSS	OH	1	7.19	7.25
		2250 CU	UG	1	0.06	
Hyde Park # 496 - Baker Street # 110 (496-528/529)	115	3500 AI	UG	2	3.51	7.02
Kingston - Auburn St (NSTAR Section) (#191)	115	1-336 ACSR	OH	1	15.30	15.30
Kingston - Brook St (#117)	115	1-336 ACSR	OH	1	3.10	3.10
Brook St - Carver (#116)	115	2338 ACAR	OH	1	4.90	4.90
Carver - SEMASS TP (#127)	115	1-2338 ACAR	OH	1	7.20	7.20
SEMASS TP - Tremont (#128)	115	1-2338 ACAR	OH	1	1.00	1.00
Tremont - Bourne (#108, #113)	115	1-795 ACSR	OH	2	11.20	22.40
Tremont - Ind. Park Tap (#112)	115	1-795 ACSR	OH	1	10.30	10.30
Ind. Park Tap - Acushnet (#112)	115	1-795 ACSR	OH	1	2.40	2.40
Tremont - Mendall Road (#114)	115	1-2338 ACAR	OH	1	10.20	10.20
Mendall Road - Acushnet (#114)	115	1-2338 ACAR	OH	1	2.50	2.50
Ind. Park Tap - Ind. Park (#112)	115	1-795 ACSR	OH	1	4.10	4.10
Ind. Park - High Hill (#111)	115	1-795 ACSR	OH	1	2.40	2.40
High Hill - Dartmouth Line (#D21)	115	1-795 ACSR	OH	1	1.20	1.20

**NSTAR
LOWER VOLTAGE PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>OH</u>	<u>CKTS</u>	<u>PER CKT</u>	<u>MILES</u>
Canal Plant - Bourne (#126)	115	1-2338 ACAR	OH	1	2.50	2.50
Canal Plant - Bourne (#121)	115	1-2338 ACAR	OH	1	2.50	2.50
Oak Street - S.F. Hill Rd (#122)	115	2338 ACAR	OH	2	0.48	0.96
S.F. Hill Rd - Barnstable (#122)	115	2338 ACAR	OH	2	3.30	6.60
Bourne - Pave Paws (#122)	115	2338 ACAR	OH	1	1.17	1.17
Pave Paws - Sandwich (#122)	115	2338 ACAR	OH	1	5.73	5.73
Sandwich - Oak Street (#122)	115	2338 ACAR	OH	1	5.94	5.94
Bourne - Otis (#107)	115	2338 ACAR	OH	1	3.40	3.40
Otis - Fal Tap (#107)	115	1590 ACSR	OH	1	6.60	6.60
Fal Tap - Hatchville (#115)	115	795 ACSR	OH	1	2.50	2.50
Hatchville - Mashpee (#115)	115	795 ACSR	OH	1	5.20	5.20
Mashpee - Barnstable (#115)	115	795 ACSR	OH	1	12.26	12.26
Brook Street - Auburn Street (NSTAR Section) (#194)	115	1590 ACSR	OH	1	16.72	16.80
		2338 ACAR	OH	1	0.08	
Canal - Barnstable (#120)	115	2-1703 ACSR	OH	1	15.32	19.10
		2338 ACAR	OH	1	3.78	
Carver - Tremont #713 (#134)	115	2338 ACAR	OH	1	8.28	8.28
TOTAL NSTAR COMPANY LOWER VOLTAGE PTF CKT. MILES						----- 472.10
TOTAL NSTAR SYSTEM COMPAY CKT. MILES						----- 778.17

**Public Service Company of New Hampshire
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Scobie - Buxton, ME (CMP) (PSNH sec of 391)	345	2-850.8 ACSR	OH	1	37.30	37.30
Scobie Pond - Lawrence Rd. - NH/MA State Line (PSNH Sec.of 326)	345	2-850.8 ACSR	OH	1	18.30	18.30
Scobie Pond - Amherst (380)	345	2-850.8 ACSR	OH	1	15.90	15.90
Fitzwilliam - Vernon VT (VELCO) PSNH Sec. Of (379)	345	2-1590 ACSR	OH	1	0.30	20.40
		2-850.8 ACSR	OH	1	19.30	
		2500 ACSR	OH	1	0.80	
Vernon, VT (VELCO) - Northfield, MA (NU) (PSNH sec of 381)	345	2-850.8 ACSR	OH	1	10.00	10.80
		2500 ACSR	OH	1	0.80	
Seabrook - Scobie (363)	345	2-2156 ACSR	OH	1	29.70	29.70
Seabrook - Timber Swamp Rd (369)	345	2-1113 ACSR	OH	1	4.20	4.20
Timber Swamp Rd - Newington (3135)	345	2-1113 ACSR	OH	1	12.90	12.90
Scobie Pond - Deerfield (373)	345	2-850.8 ACSR	OH	1	18.50	18.50
Deerfield - Buxton, ME (CMP) (PSNH sec of 385)	345	2-850.8 ACSR	OH	1	18.80	18.80
Deerfield - Newington (307)	345	2-1113 ACSR	OH	1	25.40	26.10
		1-4500 ACSR	OH	1	0.70	
Seabrook - NH/MA State Line (PSNH Sec. of 394)	345	2-2156 ACSR	OH	1	7.30	7.30
Fitzwilliam - Amherst (367)	345	2-1272 ACSR	OH	1	0.10	31.90
		2-850.8 ACSR	OH	1	31.70	
		2-1590 ACSR	OH	1	0.10	
Merrimack - Dunbarton (A253)	230	795 ACSR	OH	1	8.40	8.40
TOTAL PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE EHV PTF CKT. MILES						----- 260.50

**Public Service Company of New Hampshire
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Moore (NEP) - Whitefield (Q195)	115	477 ACSR	OH	1	14.90	16.40
		336 ACSR	OH	1	1.50	
U-199 Tap - Littleton (U199)	115	795 ACSR	OH	1	9.00	9.00
Whitefield - U-199 Tap (X178)	115	795 ACSR	OH	1	14.80	14.80
U-199 Tap - Woodstock - Beebe River (X178)	115	795 ACSR	OH	1	34.90	34.90
Webster - North Road (M127)	115	795 ACSR	OH	1	25.80	25.80
North Road - Ascutney, VT (VELCO) (PSNH sec of K174)	115	795 ACSR	OH	1	16.10	16.10
Oak Hill - Merrimack (P145)	115	795 ACSR	OH	1	12.30	12.30
Oak Hill - Webster (F139)	115	795 ACSR	OH	1	14.70	14.70
Webster - Garvins (V182)	115	1590 ACSR	OH	1	23.70	23.70
Greggs - Weare (F162)	115	1590 ACSR	OH	1	5.10	5.10
Jackman - Keene (L163)	115	336.4 ACSR	OH	1	25.90	25.90
Keene - Monadnock (T198)	115	477 ACSR	OH	1	11.10	11.10
Garvins - Merrimack (H137)	115	795 ACSR	OH	1	2.70	2.70
Merrimack - Eddy (D121)	115	795 ACSR	OH	1	11.20	11.20
Eddy - Rimmon - Greggs (J114)	115	795 ACSR	OH	1	5.50	5.50
Madbury - Dover (M183)	115	795 ACSR	OH	1	7.00	7.00
Greggs - Merrimack (C196)	115	795 ACSR	OH	1	10.80	10.80

**Public Service Company of New Hampshire
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Greggs - Merrimack (Q171)	115	795 ACSR	OH	1	10.80	10.80
Mammoth Rd. - Scobie Pond (R187)	115	1590 ACSR	OH	1	0.10	2.80
		1272 ACSR	OH	1	2.70	
Greggs - North Merrimack (K105)	115	1272 ACSR	OH	1	10.80	10.80
Scobie Pond - Brentwood - Kingston (R193)	115	477 ACSR	OH	1	15.10	15.20
		1272 ACSR	OH	1	0.10	
Brentwood - Ocean Rd. (A126)	115	795 ACSR	OH	1	0.10	15.20
		477 ACSR	OH	1	14.90	
		1272 ACSR	OH	1	0.20	
Scobie Pond - Chester (B172)	115	336.4 ACSR	OH	1	6.00	6.10
		1272 ACSR	OH	1	0.10	
Chester - Great Bay (H141)	115	336.4 ACSR	OH	1	19.30	19.40
		795 ACSR	OH	1	0.10	
Great Bay - Ocean Rd. (S153)	115	336 ACSR	OH	1	4.50	4.60
		795 ACSR	OH	1	0.10	
Scobie Pond - Power Street (X116)	115	1590 ACSR	OH	1	11.20	11.20
Greggs - Reeds Ferry (B143)	115	795 ACSR	OH	1	11.10	11.10
Hudson - Dracut, MA (NEP) (PSNH sec of Y151)	115	1590 ACSR	OH	1	0.20	3.80
		4/0 Cu &	OH	1	3.60	
		795 ACSR				
Chestnut Hill - Vernon, VT (VELCO) (PSNH Sec of N186)	115	795 ACSR	OH	1	1.20	2.30

**Public Service Company of New Hampshire
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
		2500 ACSR	OH	1	0.80	
		2-795 ACSR	OH	1	0.30	
Keene - Swanzey - Chestnut Hill via Westport (A152)	115	1590 ACSR	OH	1	4.90	16.90
		795 ACSR	OH	1	12.00	
Garvins - Deerfield (G146)	115	1272 ACSR	OH	1	18.10	18.10
Greggs - Pine Hill (O161)	115	795 ACSR	OH	1	7.00	7.00
Pine Hill - Deerfield (D118)	115	795 ACSR	OH	1	15.10	15.10
Deerfield - Madbury (L175)	115	1590 ACSR	OH	1	13.00	13.00
Deerfield - Rochester (C129)	115	477 ACSR	OH	1	8.50	20.20
		795 ACSR	OH	1	11.70	
Rochester - Madbury (G128)	115	477 ACSR	OH	1	3.00	14.90
		795 ACSR	OH	1	0.90	
		1272 ACSR	OH	1	11.00	
Schiller - Bolt Hill Tap - Three Rivers (N133)	115	795 ACSR	OH	1	5.00	6.30
		1-4500 ACSR	OH	1	0.70	
		2-1113 ACSR	OH	1	0.60	
Dover - Three Rivers (R169)	115	1272 ACSR	OH	1	2.10	3.00
		2-1113 ACSR	OH	1	0.60	
		795 ACSR	OH	1	0.30	
Pemigewasett - Webster (A111)	115	336 ACSR	OH	1	10.50	10.60
		795 ACSR	OH	1	0.10	
Schiller - Ocean Road (E194)	115	477 ACSR	OH	1	4.00	5.50
		795 ACSR	OH	1	1.50	

**Public Service Company of New Hampshire
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Schiller - Ocean Road (U181)	115	336 ACSR 795 ACSR	OH	1	4.50	5.50
			OH	1	1.00	
Reeds Ferry - Power St. - Bridge St. - Hudson (K165)	115	795 ACSR & 850.8 ACSR	OH	1	8.00	8.00
Beebe - Ashland - Pemigewasset (E115)	115	336 ACSR 795 ACSR	OH	1	17.50	18.30
			OH	1	0.80	
North Merrimack - Watts Brook (T155)	115	1272 ACSR	OH	1	2.00	2.00
North Merrimack - Bedford (V191)	115	1272 ACSR	OH	1	3.40	3.40
Bedford - Huse Road (M164)	115	1272 ACSR	OH	1	2.10	2.10
Scobie - Huse Road (I158)	115	1272 ACSR	OH	1	6.20	6.20
Weare - Jackman (A164)	115	1590 ACSR	OH	1	15.50	15.50
Watts Brook - Mammoth Road (S188)	115	1272 ACSR 1590 ACSR	OH	1	3.00	3.10
			OH	1	0.10	
Scobie - Power Street (Z119)	115	1590 ACSR	OH	1	11.10	11.10
Beebe - White Lake via Tamworth Tap (B112)	115	336 ACSR	OH	1	23.00	23.00
Saco Valley - White Lake (Y138)	115	795 ACSR	OH	1	13.90	13.90
Saco Valley - Lovell NH/ME State Line (PSNH Sec K1214/214)	115	795 ACSR	OH	1	5.70	5.70
TOTAL PUBLIC SERVICE COMPANY OF NEW HAMPSIRE LOWER VOLTAGE PTF CKT. MILES						608.70
TOTAL PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CKT. MILES						869.20

**Reading Municipal Light Department
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Reading Town Line - Reading Substation	115	795 AAAC	OH	1	0.25	0.25
Reading Town Line - Reading Substation	115	795 AAAC	OH	1	0.25	0.25
TOTAL READING MUNICIPAL LIGHT DEPARTMENT LOWER VOLTAGE PTF CKT. MILES						----- 0.5
TOTAL READING MUNICIPAL LIGHT DEPARTMENT CKT. MILES						----- 0.5

**Taunton Municipal Lighting Plant
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Cleary/Flood - Taunton Tap (S-8)	115	795 ACSR	OH	1	0.90	0.90
Cleary/Flood - Taunton Tap (V-5)	115	795 AAC	OH	1	0.90	0.90
TOTAL TAUNTON MUNICIPAL LIGHTING PLANT LOWER VOLTAGE PTF CKT. MILES						1.80
TOTAL TAUNTON MUNICIPAL LIGHTING PLANT CKT. MILES						1.80

**The United Illuminating Company
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
East Shore - East Shore Tap (UI) [387-2]	345	2-954 ACSR	OH	1	0.11	0.11
East Shore Tap - Black Pond Jct. (UI) [387-3]	345	2-954 ACSR	OH	1	5.99	5.99
East Shore Tap - Halvarsson (UI) [387-4]	345	2-954 ACSR	OH	1	0.13	0.13
Singer - UI/NU Jct. (UI) [3619, 3165]	345	3000 Cu (XLPE)	UG	2	5.60	11.20
TOTAL OF THE UNITED ILLUMINATING COMPANY EHV PTF CKT. MILES						17.43

**The United Illuminating Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Pequonnock - Trumbull Jct. [1710]	115	795 ACSR	OH	1	3.87	5.28
	115	1750 Cu	UG	1	1.41	
Pequonnock - Trumbull [1697]	115	795 ACSR	OH	1	3.87	5.28
	115	1750 Cu	UG	1	1.41	
Singer - Pequonnock [1955]	115	3-3500 Cu (XLPE)	UG	1	0.43	0.43
Pequonnock - Congress [8809A ; 8909B]	115	1590 ACSR	OH	2	0.70	1.40
Congress - Baird [8809A ; 8909B]	115	795 ACSR	OH	2	2.33	4.66
Baird - Devon Tie (UI) [88006A ; 89006B]	115	1272 SSAC	OH	2	2.33	4.66
Devon Tie (UI) - Milvon [88005A ; 89005B]	115	795 ACSR	OH	2	1.38	2.76
Devon Tie (UI) - Devon (NU) [1780 ; 1790]	115	1590 ACSR	OH	2	0.10	0.20
Milvon - Woodmont [88005A ; 89005B]	115	1272 SSAC	OH	2	4.07	8.14
Woodmont - W. River [8804A,88003A ; 8904B,89003B]	115	1272 SSAC	OH	2	5.50	11.00
W. River - Grand Avenue [88003A ; 89003B]	115	2500 Cu	UG	2	2.69	5.38
Grand Avenue - Sackett [8400]	115	1272 ACSR	OH	1	4.20	4.20
Sackett - Mix [84004]	115	1250 Cu	UG	1	2.32	2.32
Mix - Glen Lake [1610]	115	556 ACSR	OH	1	2.90	2.90
Pequonnock - Ash Creek [91001]	115	1590 ACSR	OH	1	3.36	3.36
Ash Creek - Sasco Creek (UI) [1430]	115	1590 ACSR	OH	1	4.06	4.06
Pequonnock - Darien (UI) [1130]	115	1590 SSAC	OH	1	6.84	6.84
Pease Rd. Jct. - June Street [1610 ; 1685]	115	1272 ACSR	OH	2	0.77	1.54

**The United Illuminating Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Derby Jct. - Ansonia [1560]	115	4/0 Cu 336.4 SSAC	OH	1	3.77	4.08
			OH	1	0.31	
Indian Well - Ansonia [1594]	115	4/0 Cu	OH	1	2.61	2.61
Derby Jct. - Indian Well [1570]	115	4/0 Cu 336.4 SSAC	OH	1	1.16	1.47
			OH	1	0.31	
Grand Avenue - Water Street [8500]	115	2250 Cu	UG	1	1.45	1.45
Water Street - W. River [8700]	115	2250 Cu	UG	1	1.53	1.53
East Shore - Grand Avenue [8100 ; 8200]	115	2-1590 ACSR	OH	2	1.53	3.06
Mill River - Broadway [9502]	115	1500 Cu	UG	1	1.66	1.66
Broadway - Water Street [9500]	115	1500 Cu	UG	1	1.49	1.49
Quinnipiac - Cedar Hill [8300 ; 8600]	115	1272 ACSR	OH	2	1.04	2.08
East Shore - Branford Railroad (UI) [1460]	115	1272 ACSR	OH	1	2.86	2.86
Branford Railroad (UI) - Branford (UI) [1537]	115	1272 ACSR	OH	1	3.29	3.29
Mill River/Grand Avenue - Cedar Hill [8300]	115	1272 ACSR 1590 ACSR	OH	1	1.25	1.30
			OH	1	0.05	
Cedar Hill - North Haven [8600]	115	1272 ACSR	OH	1	7.15	7.15
North Haven - Wharton Brook Jct. [1630 ; 1655]	115	1272 ACSR	OH	2	1.67	3.34
TOTAL OF THE UNITED ILLUMINATING COMPANY LOWER VOLTAGE PTF CKT. MILES						111.78
TOTAL OF THE UNITED ILLUMINATING COMPANY CKT. MILES						129.21

**VT Transco, LLC
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Vernon VT - Northfield (NU border) (381)	345	2-954 ACSR	OH	1	0.09	0.09
Vermont Yankee - Vernon VT (3381)	345	2-954 ACSR	OH	1	0.14	0.23
	345	2-927 ACAR	OH	1	0.09	
Vernon VT- Fitzwilliam (NU border) (379)	345	2-954 ACSR	OH	1	0.10	0.10
Vermont Yankee - Vernon VT (3340)	345	2-927 ACAR	OH	1	0.07	0.23
	345	2-954 ACSR	OH	1	0.16	
Vernon VT - Coolidge (340)	345	2-927 ACAR	OH	1	50.90	51.06
	345	2-954 ACSR	OH	1	0.16	
Newfane - Vernon VT (3320)	345	2-954 ACSR	OH	1	17.37	17.37
Newfane - Coolidge (3321)	345	2-954 ACSR	OH	1	35.43	35.43
Coolidge - West Rutland (350)	345	2-954 ACSR	OH	1	27.37	27.37
West Rutland - New Haven (370)	345	2-954 ACSR	OH	1	35.53	35.53
Comerford - Granite (F-206)	230	927 ACAR	OH	1	32.10	32.49
	230	954 ACSR	OH	1	0.39	
TOTAL VERMONT ELECTRIC POWER COMPANY, INC. EHV PTF CKT. MILES						199.90

**VT Transco, LLC
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Georgia - Essex (K-21)	115	954 ACSR	OH	1	18.07	18.07
Georgia - Sand Bar (K-19)	115	927 ACAR	OH	1	8.88	8.88
Sand Bar - South Hero Tap (PV-20)	115	954 AA	OH	1	4.27	8.96
		1750 MCM pipe cable	UG	1	2.02	
		954 ACSR	OH	1	2.67	
South Hero Tap - Plattsburgh (VT/NY border) (PV-20)	115	954 AA	OH	1	2.40	3.00
		1000 Cable	UG	1	0.60	
		500 Cable	UG	1	Parallel cable	
Sand Bar - Essex (K-22)	115	954 ACSR	OH	1	11.19	11.19
Essex - IBM#87 Tap (K-24)	115	795 ACSR	OH	1	0.02	0.02
IBM#87 Tap - IBM#86 Tap (K-24)	115	795 ACSR	OH	1	1.00	1.00
IBM #86 Tap - DuxburyTap (K-24)	115	795 ACSR	OH	1	19.32	19.32
DuxburyTap - Middlesex (K-24)	115	795 ACSR	OH	1	6.18	6.18
Berlin - Middlesex (K-56)	115	795 ACSR	OH	1	4.77	4.77
Berlin - Barre (K-55)	115	795 ACSR	OH	1	5.60	5.60
Granite - Barre (K-54)	115	954 ACSS	OH	1	5.63	5.63
Chelsea Tap - Granite (K-51)	115	795 ACSR	OH	1	11.25	11.25
Chelsea Tap - Hartford (K-50)	115	795 ACSR	OH	1	21.47	21.47
Hartford - Wilder (NGRID border) (K-26)	115	795 ACSR	OH	1	1.31	1.31

**VT Transco, LLC
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Essex - East Ave (K25)	115	795 ACSR	OH	1	4.66	4.66
East Ave - Lime Kiln (K-18)	115	1272 ACSR	OH	1	1.43	1.43
Lime Kiln - Essex Tap (K-23)	115	1272 ACSR	OH	1	3.15	3.15
Essex Tap - Tafts Corner (K-23)	115	1272 ACSR	OH	1	3.19	3.19
Tafts Corner - Williston (K-27)	115	1272 ACSR	OH	1	2.07	2.07
Williston - New Haven (K-43)	115	1272 ACSR	OH	1	20.83	20.83
Williston -Queen City (K-33)	115	1272 ACSR	OH	1	6.24	6.24
Queen City - Shelburne Tap (K-65)	115	1272 ACSR	OH	1	1.45	4.95
	115	2500 CU XLPE	UG	1	1.64	
	115	1272 ACSR	OH	1	1.86	
Shelburne Tap - Charlotte Tap (K-65)	115	1272 ACSR	OH	1	5.29	5.29
Charlotte Tap - North Ferrisburg Tap (K-65)	115	2500 CU XLPE	UG	1	0.45	4.17
	115	1272 ACSR	OH	1	3.72	
North Ferrisburg Tap - Vergennes (K-65)	115	1272 ACSR	OH	1	5.35	5.35
Vergennes - New Haven (K-64)	115	1272 ACSR	OH	1	6.72	6.72
New Haven - Middlebury (K-63)	115	954 ACSR	OH	1	7.60	7.60
Middlebury - Florence Tap (K-30)	115	927 ACAR	OH	1	22.75	22.75
Florence Tap - West Rutland (K-30)	115	927 ACAR	OH	1	5.28	5.28

**VT Transco, LLC
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
West Rutland - Blissville (K-34)	115	954 ACSR	OH	1	1.16	11.61
		795 ACSR	OH	1	10.45	
Blissville - Whitehall (NY border) (K-7)	115	795 ACSR	OH	1	1.72	1.72
West Rutland - North Rutland (K-37)	115	927 ACAR	OH	1	1.17	5.12
		795 ACSR	OH	1	3.95	
North Rutland - Cold River (K-35)	115	795 ACSR	OH	1	5.64	5.64
Cold River - Coolidge (K-32)	115	795 ACSR	OH	1	18.19	18.19
Coolidge - Ascutney (K-31)	115	795 ACSR	OH	1	13.01	13.01
Ascutney - North Road (PSNH border) (K-174)	115	795 ACSR	OH	1	0.96	0.96
Ascutney - Ascutney Tap (NGRID border) (K-149)	115	477 ACSR	OH	1	2.20	2.20

**VT Transco, LLC
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Vernon VT - Vernon Road Tap (PSNH border) (K-186)	115	2-1272 ACSR	OH	1	0.16	0.16
Vermont Yankee - Vernon VT (K-40)	115	2-1272 ACSR	OH	1	0.04	0.04
Bennington - Hoosick (NY border) (K-6)	115	795 ACSR	OH	1	6.78	6.78
Bennington - Adams (NGRID border) (K-4)	115	927 ACAR	OH	1	10.94	10.94
Georgia - St. Albans Tap (K-42)	115	1272 ACSR	OH	1	6.66	6.66
St. Albans Tap - Highgate Converter Tap (K-42)	115	1272 ACSR	OH	1	9.90	9.90
St. Johnsbury - Littleton (K-60)	115	927 ACAR	OH	1	9.57	9.57
St. Johnsbury - Lyndonville (K-28)	115	927 ACAR	OH	1	8.52	8.52
Lyndonville - Irasburg (K-39)	115	927 ACAR	OH	1	27.95	27.95
Irasburg - Mosher's Tap (K-41)	115	1272 ACSR	OH	1	6.48	6.48
Mosher's Tap - Highgate (K-41)	115	556 ACSR	OH	1	44.73	44.73
Bennington - Searsburg (NGRID border) (Y-25)	69	477 ACSR	OH	1	10.41	10.41
TOTAL VERMONT ELECTRIC POWER COMPANY, INC. LOWER VOLTAGE PTF CKT. MILES						430.92
TOTAL VERMONT ELECTRIC POWER COMPANY, INC. CKT. MILES						630.82

**Western Massachusetts Electric Company
EHV PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Barbour Hill - Ludlow (WMECO Sec. of 3419)	345	2156 ACSR	OH	1	11.70	11.70
Ludlow - Ludlow/Belchertown Town Line (WMECO Sec. of 301)	345	2156 ACSR	OH	1	2.70	2.70
Northfield - Berkshire (312)	345	2 x 954 ACSR	OH	1	36.90	36.90
Northfield - Vernon (WMECO Sec. of 381)	345	2 x 954 ACSR	OH	1	9.30	9.30
Northfield - Ludlow (354)	345	2 x 954 ACSR	OH	1	29.30	29.30
Berkshire - Alps (WMECO Sec. of 393)	345	2 x 954 ACSR	OH	1	14.60	14.60
TOTAL WESTERN MASSACHUSETTS ELECTRIC COMPANY EHV PTF CKT. MILES						104.50

**Western Massachusetts Electric Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Doreen - Berkshire (1551)	115	1272 ACSR	OH	1	6.10	6.10
Doreen - Berkshire (1662)	115	1272 ACSR	OH	1	6.00	6.00
Berkshire - Cumberland via Plainfield and Ashfield Tap (1231)	115	2/0 Cu	OH	1	25.90	26.00
		1272 ACSR	OH	1	0.10	
Berkshire - Cumberland via Plainfield and Ashfield Tap (1242)	115	2/0 Cu	OH	1	25.90	26.00
		1272 ACSR	OH	1	0.10	
Cumberland - Montague (1361)	115	2/0 Cu	OH	1	2.70	2.70
Doreen - Oswald (1211)	115	336 ACSR	OH	1	3.70	7.80
		1272 ACSR	OH	1	4.10	
Doreen - Woodland via Oswald (1161)	115	1272 ACSR	OH	1	12.10	12.50
		336 ACSR	OH	1	0.40	
Pleasant - Blandford (1421)	115	556 ACSR	OH	1	18.00	18.00
Blandford - Southwick via Elm (1512)	115	556 ACSR	OH	1	23.90	24.40
		1272 ACSR	OH	1	0.50	
Pleasant - Woodland (1371)	115	556 ACSR	OH	1	4.10	4.10
Fairmont - Holyoke (WMECO Sec. of 1525)	115	795 ACSR	OH	1	0.10	0.10
Fairmont - Chicopee via Shawinigan (1254)	115	795 ACSR	OH	1	1.70	5.20
		795 SSAC	OH	1	0.70	
		1272 ACSR	OH	1	2.80	
Ludlow - Shawinigan (1845)	115	1113 ALUM	OH	1	5.30	6.30
		1272 ACSR	OH	1	1.00	

**Western Massachusetts Electric Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
East Springfield - Orchard (1426)	115	1113 ALUM	OH	1	0.60	3.40
		1113 ACSR	OH	1	1.30	
		1272 ACSR	OH	1	1.50	
Orchard - Ludlow (1552)	115	1113 ALUM	OH	1	0.70	5.50
		1272 ACSR	OH	1	4.80	
East Springfield - Ludlow (1481)	115	1272 ACSR	OH	1	6.30	7.60
		1113 ACSR	OH	1	1.30	
Piper - East Springfield Jct. via Fairmont No. & East Springfield (1723)	115	336 ACSR	OH	1	0.70	9.60
		795 ACSR	OH	1	1.70	
		1272 ACSR	OH	1	2.50	
		2-336 ACSR	OH	1	1.40	
		556 SSAC	OH	1	3.30	
East Springfield - Breckwood (1322)	115	650 Cu	UG	1	2.80	2.80
Breckwood - West Springfield (1433)	115	650 Cu	UG	1	4.40	4.40
West Springfield - Agawam (1311)	115	336 ACSR	OH	1	2.40	2.60
		4/0 Cu	OH	1	0.10	
		1272 ACSR	OH	1	0.10	
West Springfield - Agawam (1412)	115	336 ACSR	OH	1	2.40	2.60
		4/0 Cu	OH	1	0.10	
		1272 ACSR	OH	1	0.10	
Buck Pond - Gunn via Ingleside (WMECO Sec. of 1657)	115	1272 ACSR	OH	1	5.90	5.90
Midway - Gunn (1962)	115	1272 ACSR	OH	1	5.50	5.50

**Western Massachusetts Electric Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Agawam - Elm (1007)	115	1272 ACSR	OH	1	7.40	7.40
Ludlow - Ludlow/Belchertown Town Line (WMECO Sec. of X176)	115	1113 ALUM	OH	1	2.40	2.90
	115	1272 ACSR	OH	1	0.50	
Ludlow - Scitico (WMECO Sec. of 1515)	115	1272 ACSR	OH	1	11.70	11.70
Franconia - Scitico (WMECO Sec. of 1394)	115	1272 ACSR	OH	1	6.20	6.20
Doreen - Lanesboro (WMECO Sec. of F132)	115	1272 ACSR	OH	1	6.50	6.60
		336 ACSR	OH	1	0.10	
Agawam - Piper (1230)	115	336 ACSR	OH	1	3.70	3.70
Agawam - Buck Pond via Pochassic (1302)	115	1272 ACSR	OH	1	11.20	11.20
North Bloomfield - Southwick (WMECO Sec. of 1768)	115	556 ACSR	OH	1	1.20	1.20
Agawam - South Agawam (1781) via Silver	115	556 SSAC	OH	1	3.00	3.10
	115	1272 ACSR	OH	1	0.10	
Agawam - South Agawam (1782) via Silver	115	556 SSAC	OH	1	3.00	3.10
	115	1272 ACSR	OH	1	0.10	
Agawam - Chicopee (1314)	115	556 ACSS	OH	1	7.00	7.10
		1272 ACSS	OH	1	0.10	
South Agawam - Franconia (WMECO Sec. of 1858)	115	1272 ACSR	OH	1	3.60	3.60
North Bloomfield - South Agawam (WMECO Sec. of 1821)	115	556 SSAC	OH	1	2.90	2.90
North Bloomfield - South Agawam (WMECO Sec. of 1836)	115	556 SSAC	OH	1	2.90	2.90
Fairmont - Holyoke (WMECO Sec. of 1525)	115	795 ACSR	OH	1	0.50	0.50

**Western Massachusetts Electric Company
Lower Voltage PTF**

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG OH</u>	<u>NO OF CKTS</u>	<u>MILES PER CKT</u>	<u>CKT MILES</u>
Mt. Tom - Fairmont (1428)	115	795 ACSR	OH	1	6.60	6.60
Mt. Tom - Midway (1039)	115	795 ACSR	OH	1	0.80	0.80
Mt. Tom - Pineshed (1447)	115	795 ACSR	OH	1	2.80	2.80
Pineshed - Fairmont (1327)	115	795 ACSR	OH	1	3.80	3.80
TOTAL WESTERN MASSACHUSETTS ELECTRIC COMPANY LOWER VOLTAGE PTF CKT. MILES						283.20
TOTAL WESTERN MASSACHUSETTS ELECTRIC COMPANY CKT. MILES						387.70

Highgate Transmission Facilities *
HTF

<u>LINE</u>	<u>KV</u>	<u>CONDUCTOR</u>	<u>UG</u> <u>OH</u>	<u>NO OF</u> <u>CKTS</u>	<u>MILES</u> <u>PER CKT</u>	<u>CKT</u> <u>MILES</u>
Highgate Converter - Converter Tap (K-21)	115	1272 ACSR	OH	1	0.10	0.10
Highgate Converter - Bedford (HQ) / Vermont State Line (1429)	115	2-954 ACSR	OH	1	7.26	7.51
		1272 ACSR	OH	1	0.25	
TOTAL HIGHGATE TRANSMISSION FACILITIES HTF CKT. MILES						----- 7.61

* Included as part of the HTF is the Back-to-Back AC/DC Converter and related equipment (AC switches, relays, etc...)

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