

ISO - NEW ENGLAND INC.

POOL TRANSMISSION FACILITIES

(PTF)

FINAL

**IN-SERVICE
AS OF
January 1, 2008**

**Thirty-first issue
October 24, 2005
Thirty-second issue
June 27, 2006
Thirty-third issue
February 07, 2007**

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	932.59	1116.99	
THE CONNECTICUT LIGHT AND POWER COMPANY CKT. MILES	409.70	1061.50	1471.20	
FLORIDA POWER AND LIGHT - NEW ENGLAND DIVISION	0.60		0.60	
HOLYOKE GAS AND ELECTRIC DEPARTMENT CKT. MILES		9.17	9.17	
HOLYOKE WATER POWER COMPANY CKT. MILES		14.30	14.30	
NATIONAL GRID USA CKT. MILES	750.45	1575.73	2326.18	
NORWOOD MUNICIPAL LIGHT DEPARTMENT CKT. MILES		9.10	9.10	
NSTAR CKT. MILES	288.57	445.31	733.88	
PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CKT. MILES	259.90	554.00	813.90	
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	6.23	111.35	117.58	
VT TRANSCO, LLC CKT. MILES	147.18	388.55	535.73	
WESTERN MASSACHUSETTS ELECTRIC COMPANY CKT. MILES	104.50	272.20	376.70	
HIGHGATE TRANSMISSION FACILITIES				7.61
TOTAL ISO-NEW ENGLAND CKT. MILES	2,235.93	5,472.09	7,708.02	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>
Potter Sta. #16 - Swift's Beach Tap (115-16-11)	115	636 MCM ACSR 1000 MCM	OH UG	1 1	0.23 0.49	0.72
Potter Sta. #16 - Middle St. (115-10-16)	115	1000 KCMIL A1	UG	1	1.81	1.81
Middle St. - Church Hill (115-8-10)	115	1000 KCMIL A1	UG	1	1.74	1.74
Church Hill - Plain St. (115-4-8)	115	1000 KCMIL A1	UG	1	3.54	3.54
Plain St. - Grove St. (115-9-4)	115	1000 KCMIL A1	UG	1	1.60	1.60
Grove St. - Grove St. Tap (478-509)	115	795 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 - Winslow (83)	115	477 ACSR	OH	1	42.10	42.10
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
Bowman St. - Gulf Island (212)	115	795 ACSR	OH	1	22.50	22.50

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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
Three Rivers - Quaker Hill (197)	115	266.8 ACSR	OH	1	9.40	9.40
Louden - Three Rivers (250)	115	795 ACSR	OH	1	30.90	30.90
Spring St. - Pleasant Hill (234)	115	795 ACSR	OH	1	5.40	5.40

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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
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
Rumford IP - Kimball Rd (217)	115	1113 ACSR	OH	1	33.00	33.00
Rumford - Woodstock (211)	115	795 ACSR	OH	1	13.40	13.40
Woodstock - Kimball Rd. (210)	115	795 ACSR	OH	1	20.60	20.60

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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 - Louden (219 & 220)	115	795 ACSR	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 - Quaker Hill (140)	115	795 ACSR	OH	1	6.80	16.40
	115	1113 ACSR	OH	1	9.60	
TOTAL CENTRAL MAINE POWER COMPANY LOWER VOLTAGE PTF CKT. MILES						----- 932.59
TOTAL CENTRAL MAINE POWER COMPANY CKT. MILES						----- 1116.99

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

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Manchester - Card (368)	345	2156 ACSR	OH	1	20.00	20.00
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	17.00	26.70
		2156 ACSR	OH	1	9.70	
Southington - Haddam Neck (362)	345	2-954 ACSR	OH	1	17.00	24.70
		2-1192 ACSR	OH	1	0.60	
		2-1272 ACSR	OH	1	7.10	
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	20.60	20.60
Manchester - Ludlow via North Bloomfield (CL&P Sec. of 395)	345	2156 ACSR	OH	1	21.00	34.90
		2-954 ACSR	OH	1	13.60	
		2-1192 ACSR	OH	1	0.30	
Montville - Haddam Neck (364)	345	2-954 ACSR	OH	1	22.60	22.60
Millstone - Montville (371)	345	2-954 ACSR	OH	1	12.50	12.50
Millstone - Southington via Haddam (348)	345	2-954 ACSR	OH	1	52.60	53.30
		2-1192 ACSR	OH	1	0.70	
Millstone - Card (383)	345	2-954 ACSR	OH	1	28.80	28.80
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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Card - Lake Road (330)	345	2-954 ACSR	OH	1	29.00	29.00
		2-1272 ACSR	OH	1	0.20	0.20
Lake Road - Killingly (3348)	345	2-1272 ACSR	OH	1	0.30	0.60
		2-954 ACSR	OH	1	0.30	
Killingly - RI/CT State Line (CL&P Sec. of 347)	345	2-954 ACSR	OH	1	7.00	7.00
Millstone - Manchester (310)	345	2-1272 ACSR	OH	1	45.90	47.10
		2-954 ACSR	OH	1	1.20	
Haddam Neck - Scovill Rock (376)	345	2-954 ACSR	OH	1	4.60	5.10
		2-1192 ACSR	OH	1	0.50	
Scovill Rock - Manchester (353)	345	2156 ACSR	OH	1	17.00	20.00
		2-954 ACSR	OH	1	3.00	
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	
TOTAL OF THE CONNECTICUT LIGHT AND POWER COMPANY EHV PTF CKT. MILES						409.70

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

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Bunker Hill - Freight St (1668)	115	1272 ACSR	OH	1	2.10	2.10
Freight St. - Frost Bridge (1721)	115	1272 ACSR	OH	1	2.30	6.20
		1590 ACSR	OH	1	3.90	
Frost Bridge - Campville (1191)	115	2-2/0 Cu	OH	1	7.70	10.40
		556 ACSR	OH	1	2.70	
Southington - Canal (1950)	115	795 ACSR	OH	1	2.10	2.10
Southington - Todd (1910)	115	795 ACSR	OH	1	5.90	5.90
Frost Bridge - Todd (1163)	115	795 ACSR	OH	1	5.60	5.60
Frost Bridge - Canal (1550)	115	795 ACSR	OH	1	9.50	9.50
Frost Bridge - Shaws Hill (1445)	115	1590 ACSR	OH	1	1.70	1.70
Shaws Hill - Bunker Hill (1272)	115	1590 ACSR	OH	1	2.20	2.20
Frost Bridge - Stevenson (1990)	115	4/0 Cu	OH	1	3.10	20.70
		2-1272 ACSR	OH	1	0.10	
		2-556 ACSR	OH	1	1.10	
		2-4/0 Cu	OH	1	13.50	
		4/0 Cu & 556 ACSR	OH	1	2.80	
		795 ACSR	OH	1	0.10	
Bunker Hill - Beacon Falls (1575)	115	4/0 Cu	OH	1	3.70	11.70
		556 ACSR	OH	1	8.00	
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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<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>
Southington - Devon via Hanover (1690)	115	4/0 Cu	OH	1	0.70	35.20
		2-4/0 Cu	OH	1	34.50	
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	8.80	8.80
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	13.70	13.70
Wallingford - North Haven (CL&P Sec. of 1630)	115	1272 ACSR	OH	1	0.30	0.30
Southington - June St. (CL&P Sec. of 1610)	115	556 ACSR	OH	1	18.30	21.20
		795 ACSR	OH	1	2.90	
Devon - June St. (CL&P Sec. of 1685)	115	795 ACSR	OH	1	13.40	13.40
Southington - Berlin (1670)	115	556 ACSR	OH	1	10.20	10.20
Southington - Berlin (1771)	115	556 ACSR	OH	1	10.10	10.10
West Side - Berlin (1765)	115	556 ACSR	OH	1	7.90	7.90
Dooley - West Side (1766)	115	556 ACSR	OH	1	6.50	9.20
		795 ACSR	OH	1	2.70	

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Manchester - Hopewell (1767)	115	1272 ACSR	OH	1	7.00	7.00
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	0.70	8.60
		556 ACSR	OH	1	6.30	
		2-4/0 Cu	OH	1	1.50	
		954 ACSR	OH	1	0.10	
North Wallingford - E. Meriden (1466)	115	4/0 Cu	OH	1	0.50	2.00
		556 ACSR	OH	1	1.50	
North Wallingford - Colony (1588)	115	954 ACSR	OH	1	0.10	2.50
		4/0 Cu	OH	1	2.40	
E. Meriden - Haddam (1975)	115	2-4/0 Cu	OH	1	7.10	16.60
		1272 ACSR	OH	1	9.50	
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	8.00	13.90
		556 ACSR	OH	1	5.90	
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	6.90	6.90

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Wallingford - Devon (CL&P Sec. of 1640)	115	4/0 Cu	OH	1	23.80	27.00
		556 ACSR	OH	1	2.90	
		795 ACSR	OH	1	0.30	
Mystic - Shunock (1465)	115	795 ACSR	OH	1	8.00	8.00
Shunock - Wood River (CL&P Sec. of 1870S)	115	795 ACSR	OH	1	0.90	0.90
Norwalk - Weston (1637)	115	556 ACSR	OH	1	6.30	6.30
Norwalk - Flax Hill (1389)	115	795 ACSR	OH	1	2.90	2.90
Weston - Devon (CL&P Sec. of 1730)	115	556 ACSR	OH	1	12.50	16.90
		2-4/0 Cu	OH	1	1.40	
		1590 ACSR	OH	1	3.00	
Norwalk - Hawthorne (1720)	115	556 ACSR	OH	1	13.80	13.80
Oldtown - Devon via Pequonnock (CL&P Sec. of 1710)	115	556 ACSR	OH	1	4.30	7.30
		1590 ACSR	OH	1	3.00	
Norwalk - Peaceable via Ridgefield (1470)	115	556 ACSR	OH	1	7.40	11.80
		1272 ACSR	OH	1	0.40	
		3000 XLPE	UG	1	3.90	
		3500 XLPE	UG	1	0.10	
Peaceable - Plumtree via Ridgefield (1565)	115	1272 ACSR	OH	1	5.70	11.90
		3000 XLPE	UG	1	6.20	
Plumtree - Stony Hill (1770)	115	795 SSAC	OH	1	0.70	4.10
		2-1272 ACSR	OH	1	3.40	

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<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>
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	4.10	4.20
		1600 XLPE	UG	1	0.10	
Darien - Compo (1416)	115	1272 ACSR	OH	1	2.60	7.50
		1590 SSAC	OH	1	4.90	
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	9.30
		336 ACSR	OH	1	1.40	
		2-954 ACSR	OH	1	3.00	
		2-1272 ACSR	OH	1	4.70	
W. Brookfield - Stony Hill (1887)	115	4/0 Cu	OH	1	0.80	5.80
		336 ACSR	OH	1	1.40	
		795 ACSR	OH	1	0.10	
		2-1272 ACSR	OH	1	3.50	
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	11.10	11.10
Rocky River - Carmel Hill (1813)	115	1272 ACSR	OH	1	11.10	11.10
Carmel Hill - Frost Bridge (1238)	115	1272 ACSR	OH	1	9.70	9.70

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

<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>
Norwalk Harbor - Northport L.I. (CL&P of 1385)	138	2-600 kcm Cu+	UG	1	5.80	5.80
		2-700 kcm Cu	UG	1		
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	5.70	5.70
Bristol - Chippen Hill via Southington (1810)	115	1272 ACSR	OH	1	4.00	12.90
		556 ACSR	OH	1	4.50	
		795 ACSR	OH	1	4.40	
Southington - Forestville via UTC (1800)	115	1272 ACSR	OH	1	6.20	6.20
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

**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>
Campville - Torrington Terminal (1900)	115	1272 ACSR	OH	1	3.70	5.90
		556 ACSR	OH	1	2.20	
Ludlow - Scitico (CL&P Sec. of 1515)	115	1272 ACSR	OH	1	6.50	6.50
Scitico - Franconia (CL&P Sec. of 1394)	115	1272 ACSR	OH	1	6.50	6.50
Montville - Fort Hill Farms (CL&P Sec. of 1090)	115	556 ACSR	OH	1	3.60	3.60
Fort Hill Farms - Stockhouse (Bozrah) (CL&P Sec. of 1070)	115	556 ACSR	OH	1	7.50	7.50
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	12.70	30.40
		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	9.10	9.90
		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	5.60	5.60
Branford - Green Hill (1508)	115	795 ACSR	OH	1	11.40	11.40
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	12.00	12.00
North Bloomfield - South Agawam (CL&P Sec. of 1836)	115	556 ACSR	OH	1	12.00	12.00
North Bloomfield - Canton via Northeast Simsbury (1784)	115	795 ACSR	OH	1	12.50	12.50

**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>
North Bloomfield - Bloomfield (1777)	115	1272 ACSR	OH	1	5.30	6.90
		556 ACSR	OH	1	1.60	
Northwest Hartford - Bloomfield via Manchester (1751)	115	1272 ACSR	OH	1	16.00	21.10
		2-954 ACSR	OH	1	1.50	
		556 ACSR	OH	1	3.60	
Chippen Hill - Thomaston (1835)	115	2-336 ACSR	OH	1	0.50	6.70
		795 ACSR	OH	1	5.60	
		1272 ACSR	OH	1	0.60	
North Bloomfield - Farmington (1726)	115	1272 ACSR	OH	1	11.70	11.70
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	5.60	5.60
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	7.60
		1272 ACSR	OH	1	5.90	
Rocky Hill - Berlin (1752)	115	1272 ACSR	OH	1	3.40	3.40
S. Meadow - Bloomfield (1779)	115	556 ACSR	OH	1	2.10	11.80
		2-211 ACSR	OH	1	0.30	
		2-4/0 Cu.	OH	1	4.80	
		1272 ACSR	OH	1	4.30	
		2-1192 ACSR	OH	1	0.30	
Manchester - East Hartford (1207)	115	1272 ACSR	OH	1	3.20	3.20

**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>
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	6.60
		556 ACSR	OH	1	3.80	
Middletown - Portland (1443)	115	795 ACSR	OH	1	0.90	0.90
Portland - Hopewell (1759)	115	556 ACSR	OH	1	9.10	9.10
Haddam - P&WA Middletown via Connecticut Yankee (1772)	115	1272 ACSR	OH	1	11.70	13.20
		556 ACSR	OH	1	0.20	
		1192 ACSR	OH	1	0.60	
		2-1192 ACSR	OH	1	0.70	
Glenbrook - Waterside (1440)	115	1272 ACSR	OH	1	2.70	2.70
Waterside - Cos Cob (1740)	115	1272 ACSR	OH	1	2.50	2.50
Cos Cob - South End via Tomac (1750)	115	1272 ACSR	OH	1	3.80	3.80
Old Town - Hawthorne (1222)	115	556 ACSR	OH	1	2.00	2.00

**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>
N. Bloomfield - Southwick (CL&P Sec. of 1768)	115	556 ACSR	OH	1	8.70	8.70
Tunnel - Frybrook - Brooklyn - Killingly (1505)	115	1272 ACSR	OH	1	27.30	27.30
Tunnel - Frybrook - Exeter - Killingly (1607)	115	1272 ACSR	OH	1	27.30	27.30
Montville - Gales Ferry (100)	69	556 ACSR	OH	1	2.40	2.40
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
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						1061.50
TOTAL OF THE CONNECTICUT LIGHT AND POWER COMPANY CKT. MILES						1471.20

**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

**Florida Power and Light - New England Division
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	*

TOTAL FLORIDA POWER and LIGHT - NEW ENGLAND DIVISION EHV PTF CKT. MILES						0.60	

* FPL-NED 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.

**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

**Holyoke Water 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>
Fairmont - Holyoke (HWP Sec. of 1525)	115	795 ACSR	OH	1	0.50	0.50
Mt. Tom - Fairmont (1428)	115	795 ACSR	OH	1	6.60	6.60
Mt. Tom - Midway (HWP Sec. of 1039)	115	795 ACSR	OH	1	0.60	0.60
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 HOLYOKE WATER POWER COMPANY LOWER VOLTAGE PTF CKT. MILES						14.30
TOTAL HOLYOKE WATER POWER COMPANY CKT. MILES						14.30

**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	34.20	34.20
Brayton Point - Riverside Jct.(315)	345	2-954 ACSR	OH	1	34.50	34.50
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	14.30	14.30
Millbury - Wachusett (308)	345	2-1113 ACSR	OH	1	12.46	12.46
Millbury - Wachusett (313)	345	2-1113 ACSR	OH	1	12.66	12.66
Wachusett - Sandy Pond (314)	345	2-1113 ACSR	OH	1	23.26	23.26
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	6.60	6.60
Tewksbury - Golden Hills (339)	345	2-1590 ACSR	OH	1	17.30	17.30
Wachusett - Sandy Pond (343)	345	2-1113 AAC	OH	1	22.43	22.43

**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>
Bridgewater - Walpole Jct. (NEP sec of 344)	345	2-1703 ACAR	OH	1	19.10	19.10
Sherman Rd - RI/CT State Line (NEP sec of 347)	345	2-1024 ACAR	OH	1	8.66	8.66

**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>
Bridgewater - Bridgewater/Middleboro Line (NEP sec. of 355)	345	2-1703 ACAR	OH	1	4.50	4.50
Millbury - Milford/Medway Town Line (NEP Sec. of 357)	345	2-1113 ACSR	OH	1	14.30	14.30
Ward Hill - MA/ NH State Line (NEP section 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	2-1024 ACAR	OH	1	0.23	0.23
Bellingham - W. Medway #446 (NEP Sec. Of 3520)	345	2-900 AL	OH	1	2.40	2.40
Comerford - N. Litchfield (A-201)	230	795 ACSR	OH	1	105.96	105.96
Comerford - Dunbarton (B-202)	230	795 ACSR	OH	1	91.40	91.40
Dunbarton - N. Litchfield (B-202)	230	795 ACSR	OH	1	14.56	14.56
Moore - Comerford (C-203)	230	554 AL	OH	1	6.61	6.61
Comerford - Littleton Tap (D-204)	230	554 AL	OH	1	5.90	5.90
Littleton Tap - Littleton Sub. (PSNH) (D-204)	230	795 ACSR	OH	1	0.40	0.40
Pratts Jct. - Bear Swamp (E-205E)	230	795 AL, ACSR	OH	1	73.90	73.90
Bear Swamp - Vermont/NY State Line (NMPC) (E-205W)	230	795 AL, ACSR	OH	1	27.20	27.20
N. Litchfield -Tewksbury (N-214)	230	795 ACSR	OH	1	20.44	20.44
N. Litchfield - Tewksbury (O-215)	230	795 ACSR	OH	1	20.44	20.44
TOTAL NATIONAL GRID USA EHV PTF CKT. MILES						750.45

**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 - Cabot Tap (A-127/B-128)	115	4/0 CU	OH	2	46.30	92.60
Cabot Tap - Harriman (A-127/B-128)	115	4/0 CU	OH	2	21.10	42.20
Webster St. Tap - Webster St. (A-127)	115	4/0 CU	OH	2	2.10	4.20
Cabot Tap - Indeck - Cabot/Montague (NU) (B-128)	115	4/0 CU	OH	1	2.70	2.70
Beaver Pond - Medway (BECO)(C-129N)	115	2-636 AL	OH	1	5.30	5.30
Millbury-Hopkinton-Rocky Hill-Depot St. Tap-Medway (BECO)(C-129N)	115	795 AL	OH	1	14.50	14.50
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 - Depot St. Tap - Medway (BECO) (D-130)	115	795 AL	OH	1	14.50	14.50
Adams - Bear Swamp Jct. (E-131)	115	1113 ACSR	OH	1	6.70	6.70
Harriman - Bear Swamp Jct. (E-131)	115	1113 ACSR	OH	1	5.60	5.60
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	12.60	12.60
W. Methuen - Golden Rock - E. Methuen (G-133W)	115	1590 ACSR	OH	1	2.10	2.10
E. Methuen - Ward Hill (G-133E)	115	1590 ACSR	OH	1	3.20	3.20
Pratts Jct. - Flagg Pond (I-135S/J-136S)	115	4/0 CU	OH	2	8.20	16.40
Flagg Pond - Monadnock Tap - Bellows Falls (I-135N)	115	4/0 CU	OH	1	52.00	52.00
Flagg Pond - Bellows Falls (J-136N)	115	4/0 CU	OH	1	52.00	52.00
Sandy Pond - Ayer (K-137)	115	1590 ACSR	OH	1	3.50	3.50
Ayer - Pratts Jct. (K-137W)	115	1590 ACSR	OH	1	13.20	13.20
Tewksbury - Sandy Pond (K-137E/L-138E)	115	1590 ACSR	OH	2	15.80	31.60
Sandy Pond - Laurel Circle - Pratts Jct. (L-138W)	115	1590 ACSR	OH	1	14.80	14.80
Tewksbury - Billerica/Burlington Town Line (BECO) (M-139/N-140)	115	795 ACSR	OH	2	6.60	13.20
Pratts Jct. - Sterling - 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	1.80 2.41	4.21
Greendale - Nashua St. (O-141)	115	636 ACSS	OH	1	2.40	2.40
Nashua St. - Millbury (O-141S)	115	477 AL & 954 ACSR	OH OH	1 1	4.88 10.50	15.38
Pratts Jct. - Sterling - Wachusett (P-142N)	115	954 ACSR &	OH	1	8.40	8.40
Wachusett - W. Boylston (P-142W)	115	954 ACSR	OH	1	0.80	0.80
W. Boylston - Rolfe Ave (P-142)	115	954 ACSR	OH	1	5.70	5.70
Rolfe Ave. - Millbury (P-142S)	115	954 ACSR	OH	1	5.80	5.80

Millbury - Woonsocket (Q-143/R-144)	115	795 ACSR	OH	2	19.40	38.80
Salem Harbor - Canal St./Railyard (S-145)	115	2200 CU	UG	1	1.40	1.40
Canal St./Railyard - Wakefield Jct. (S-145/T-146)	115	1590 ACSR	OH	2	8.30	16.60
Wakefield Jct. - N. Rdg - Burtt Rd - E. Tewksbury - Tewksbury (S-145/T-146)	115	300 CU	OH	2	15.10	30.20
Wakefield Jct. - Golden Hills (S-145/T-146)	115	795 & 1590 ACSR	OH	2	2.40	4.80
Salem Harbor - Canal St./Railyard (T-146)	115	2-1000 CU	UG	1	1.30	1.30
Read St. - Robinson Ave Tap - Washington (V-148S)	115	795 AL & 1113 AL	OH	1	7.00	7.00
Washington - Woonsocket (V-148N)	115	795 AL	OH	1	4.50	4.50
Bellows Falls - Ascutney Tap - Slayton Hill (W-149S)	115	336 ACSR &	OH	1	19.40	37.10
		954 ACSR	OH	1	17.70	
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	9.20	9.20
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	17.30	34.60
Salem Harbor - S. Danvers (B-154S/C-155S)	115	1351 SSAC 1590 ACSR	OH	2	4.90	9.80
Northboro Rd. - W. Framingham (BECO) (D-156)	115	795 ACSR	OH	1	5.60	5.60
Millbury - East Main Street - Northboro Road (E-157)	115	795 ACSR	OH	1	13.70	13.70

Golden Hills - Maplewood(F-158N)	115	1113 AL & 795 ACSR	OH	1	4.28	4.28
Maplewood - Everett (F-158S)	115	795 ACSR	OH	1	2.48	2.48
Everett - Mystic #250 (BECO)(O-167/423-515)	115	795 ACSR 1250 CU	OH UG	1 1	1.50 0.20	1.70
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 2-2250 CU	OH UG	1 1	1.20 0.27	1.47
Golden Hills - Resco - GE Lynn - Lynnway (Q-169)	115	900 AL & 795 ACSR	OH	1	6.90	6.90
Woonsocket - Hartford Ave. via W. Farnum Taps (S-171N/T-172N)	115	1590 ACSR	OH	2	12.36	24.72
West Farnum - W. Farnum Taps (S-171N/T-172N)	115	1590 ACSR	OH	2	0.20	0.40
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	17.40	17.40
Palmer - Thorndike - Belchertown/Ludlow Town Line (WMECO) (X-176)	115	1590 ACSR	OH	1	9.00	9.00
Harriman - Cabot (Y-177)	115	795 AL & ACSR	OH	1	25.80	25.80
Lynnway - GE Lynn - Revere (A-179)	115	795 ACSR	OH	1	4.90	4.90
Chartley Pond - S. Wrentham (C-181N)	115	2-636 AL	OH	1	8.70	8.70

Brayton Point - Chartley Pond (C-181S)	115	2-636 AL	OH	1	17.80	17.80
Brayton Point - S. Wrentham (D-182)	115	2-636 AL	OH	1	26.60	26.60
Brayton Point - Merriman Jct.- Mink St.- Wampanoag (E-183E)	115	2-1113 AL	OH	1	12.50	12.50
Wampanoag - Providence (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	20.80	20.80
Drumrock - Kent County (G-185N)	115	795 ACSR	OH	1	1.00	1.00
Kent County - West Kingston (G-185S)	115	795 AL	OH	1	17.50	17.50
Keene (PSNH) - Vernon Rd. tap (N-186)	115	795 ACSR	OH	1	0.30	0.30
Drumrock - Kent County (K-189)	115	2-795 ACSR	OH	1	1.00	1.00
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	795 AL	OH	1	4.30	4.30
Kenyon - Wood River (1870)	115	795 AL	OH	1	3.90	3.90
Wood River - Mystic (CL&P) (1870S)	115	795 AL	OH	1	7.20	7.20
Grove St. Tap (BEC0) - Mid-Weymouth - Edgar (478-509)	115	795 ACSR	OH	1	0.20	0.20
Parkview - Court St. (A94)	115	336.4 ACSR	OH	1	7.33	7.33
Court St. - Auburn (A94)	115	636 ACSR	OH	1	1.20	1.20
Dupont - Auburn (C2)	115	636 ACSR	OH	1	1.98	1.98
Bell Rock - Dartmouth Line (D21)	115	795 ACSR	OH	1	4.20	4.20
Bridgewater - E. Bridgewater Tap (E20)	115	628.7 ACSR	OH	1	4.10	4.10

E. Bridgewater Tap - Auburn (E20)	115	628.7 ACSR	OH	1	4.50	4.50
Bridgewater - Auburn Street (F19)	115	628.7 ACSR	OH	1	0.90	8.50
		954 ACSR	OH	1	7.60	
Bridgewater - Dupont (G18)	115	636 ACSR	OH	1	7.60	7.60
Riverside - Riverside Jct. (H17)	115	477 ACSS	OH	1	1.55	1.55
Riverside Jct. - Farnum Tap (H17)	115	795 ACAR	OH	1	1.82	1.82
W. Farnum - Farnum Tap (H17)	115	795 ACSR	OH	1	2.07	2.07
Staples - Riverside (J16)	115	465.4 AAAC	OH	1	3.80	3.80
Swansea - Robinson (K15)	115	477 ACSR	OH	1	16.20	16.20
Somerset - Tiverton Tap - Canonicus (M13)	115	795 ACSR	OH	1	12.30	12.30
Canonicus - Dexter (M13 / L14)	115	636 AAC/ACSR	OH	2	7.46	14.92
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	8.80	8.80
Somerset - Bell Rock (N12)	115	795 ACSR	OH	1	3.50	3.50
Pawtucket - Robinson (P11)	115	477 ACSR	OH	1	8.30	8.30
Robinson - Valley Sub. (P11)	115	336.4 ACSR	OH	1	0.89	0.89
Robinson - Staples (Q10)	115	477 ACSR	OH	1	5.90	5.90
Valley Sub. - Riverside (R9)	115	465.4 AAAC	OH	1	9.30	9.30
Belmont Tap - Belmont (S1)	115	795 ACSS	OH	1	4.27	4.27
Somerset - Taunton Tap (S8)	115	628.7 ACSR	OH	1	9.90	9.90

Taunton Tap - Bridgewater (S8)	115	628.7 ACSR	OH	1	9.90	9.90
Somerset - Pawtucket (T7)	115	4/0 HD CU	OH	1	18.00	18.00
Belmont - Stoughton Tap (U2)	115	636 ACSR	OH	1	2.83	2.83
Stoughton Tap - Parkview (U2)	115	363 ACSR	OH	1	0.74	0.74
Somerset - Dighton (U6)	115	636 ACSR	OH	1	6.80	6.80
Dighton - EMI Dighton (U6)	115	636 ACSR	OH	1	1.00	1.00
EMI Dighton - Bridgewater (U6)	115	2/0 HD Cu	OH	1	12.00	12.00
Somerset - Dighton (V5)	115	636 ACSR	OH	1	6.80	6.80
Dighton - Taunton Tap (V5)	115	636 ACSR	OH	1	3.10	3.10
Taunton Tap - Bridgewater (V5)	115	636 ACSR	OH	1	9.90	9.90
Somerset - Swansea (W4)	115	447 ACSR	OH	1	4.50	4.50
Somerset - Pawtucket (X3)	115	336.4 ACSR	OH	1	18.30	18.30
Auburn - Kingston (CES) (#191)	115	336.4 ACSR	OH	1	0.20	0.20
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	0.20	0.20
Millbury #2 - Millbury #1 (No. 3 Trans. Line)	115	4/0 ACSR	OH	1	0.20	0.20
Pratts Jct. - Otter River (A-1)	69	2/0 CU	OH	1	21.80	21.80
Otter River - Chestnut Hill, Athol (A-1)	69	2/0 CU	OH	1	11.10	11.10
Chestnut Hill, Athol - Vernon (A-1)	69	2/0 CU	OH	1	26.30	26.30
Pratts Jct. - Park St., Gardner (B-2)	69	2/0 CU	OH	1	18.90	18.90

Park St., Gardner - Vernon (B-2)	69	2/0 CU	OH	1	31.80	31.80
Vernon - Deerfield No. 4 Station (D-4)	69	477 ACSR	OH	1	16.60	16.60
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	10.85	21.70
Ware - Shutesbury (E-5W)	69	336 ACSR	OH	1	19.40	19.40
Shutesbury-Deerfield No.3 Sta.-Deerfield No.4 Sta. (E-5D)	69	336 ACSR	OH	1	21.20	21.20
Ware-Deerfield No.2 Sta.-Deerfield No.4 Sta. (F-6W)	69	336 ACSR	OH	1	40.60	40.60
Deerfield No. 5 Station - Adams (J-10)	69	#1 CU & 394 AL	OH	1	8.60	8.60
Ware - Palmer (O-15)	69	795 ACSR	OH	1	10.40	10.40
Millbury - N. Grafton Tap - Westboro (X-24W)	69	795 ACSR	OH	1	10.30	10.30
Westboro - Northboro Road (X-24E)	69	795 ACSR, AL	OH	1	4.20	4.20
Harriman - Searsburg (Y-25N)	69	477 ACSR	OH	1	8.40	8.40
Searsburg - GMP Wind Farm Tap - Bennington (VELCO) (Y-25N)	69	477 ACSR	OH	1	3.00	3.00
Deerfield No. 5 Station - Harriman (Y-25S)	69	477 ACSR	OH	1	5.40	5.40
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	4.40	4.40
Dexter - Jepson (61/62)	69	636 AAC	OH	2	4.40	8.80
TOTAL NATIONAL GRID USA LOWER VOLTAGE PTF CKT. MILES						----- 1575.73
TOTAL NATIONAL GRID USA CKT. MILES						----- 2326.18

**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 Town Line - Norwood Station #495 (447-508)	115	795 ACSR	OH	1	2.29	2.29
Norwood Town Line - Norwood Station #495 (447-509)	115	795 ACSR	OH	1	2.28	2.28
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						----- 9.1 -----
TOTAL NORWOOD MUNICIPAL LIGHT DEPARTMENT CKT. MILES						9.1

* 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 - Snake Hill Road (Pilgrim Tap) (355)	345	2-1703 ACAR	OH	1	7.30	7.30
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

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
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
Snake Hill Rd (Pilgrim Tap) (#342) - Middleboro/ Bridgewater Line (#355)	345	2-1703 ACAR	OH	1	16.80	16.80
TOTAL NSTAR COMPANY EHV PTF CKT. MILES						----- 288.57

**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

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
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 (447-508) to Norwood Town Line	115	795 ACSR	OH	1	1.03	1.03
Norwood Tap (447-509) to Norwood Town Line	115	795 ACSR	OH	1	1.04	1.04
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 AI	OH	1	5.64	5.64
Dover #456 - Needham #148 (148-522)	115	2-795 AI 2-1250 Cu	OH UG	1 1	3.77 1.31	5.08
Medway #65 - Milford/Millbury Town Line (NSTAR) (201-501)	115	795 AI	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
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
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
Canal Plant - Pavepaws (#120)	115	2-1703 ACAR	OH	1	3.67	3.67
Pavepaws - Sandwich (#120)	115	2-1703 ACAR	OH	1	4.90	4.90
Sandwich - Oak Street (#120)	115	2-1703 ACAR	OH	1	6.75	6.75

Oak Street - S.F. Hill Rd (#120, #122)	115	2338 ACAR	OH	2	0.48	0.96
S.F. Hill Rd - Barnstable (#120, #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

TOTAL NSTAR COMPANY LOWER VOLTAGE PTF CKT. MILES						445.31

TOTAL NSTAR SYSTEM COMPAY CKT. MILES						733.88

**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	15.80	15.80
Amherst - Vernon, VT (VELCO) (PSNH sec. of 379)	345	2-850.8 ACSR	OH	1	51.30	52.10
		2500 ACSR	OH	1	0.80	
Vernon, VT (VELCO) - Northfield, MA (NU) (PSNH sec of 381)	345	2-850.8 ACSR	OH	1	0.80	10.70
		2500 ACSR	OH	1	9.90	
Seabrook - Scobie (363)	345	2-2156 ACSR	OH	1	29.70	29.70
Seabrook - Timber Swamp Rd (369)	345	2-1113 ACSR	OH	1	4.40	4.40
Timber Swamp Rd - Newington (3135)	345	2-1113 ACSR	OH	1	12.70	12.70
Scobie Pond - Deerfield (373)	345	2-850.8 ACSR	OH	1	18.60	18.60
Deerfield - Buxton, ME (CMP) (PSNH sec of 385)	345	2-850.8 ACSR	OH	1	18.70	18.70
Deerfield - Newington (307)	345	2-1113 ACSR	OH	1	24.90	25.60
		1-4500 ACSR	OH	1	0.70	
Seabrook - NH/MA State Line (PSNH Sec. of 394)	345	2-2156 ACSR	OH	1	7.60	7.60
Merrimack - Dunbarton (A-253)	230	795 ACSR	OH	1	8.40	8.40
TOTAL PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE EHV PTF CKT. MILES						259.90

**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 (Q-195)	115	477 ACSR	OH	1	14.90	16.40
		336 ACSR	OH	1	1.50	
U-199 Tap - Littleton (U-199)	115	795 ACSR	OH	1	9.00	9.00
Whitefield - U-199 Tap (X-178)	115	795 ACSR	OH	1	14.80	14.80
U-199 Tap - Woodstock - Beebe River (X-178)	115	795 ACSR	OH	1	34.90	34.90
Webster - North Road (M-127)	115	795 ACSR	OH	1	25.80	25.80
North Road - Ascutney, VT (VELCO) (PSNH sec of K-174)	115	795 ACSR	OH	1	16.10	16.10
Oak Hill - Merrimack (P-145)	115	795 ACSR	OH	1	12.30	12.30
Oak Hill - Webster (F-139)	115	795 ACSR	OH	1	14.50	14.50
Webster - Garvins (V-182)	115	336.4 ACSR	OH	1	23.80	23.80
Greggs - Jackman (F-162)	115	266.8	OH	1	20.30	20.40
		336 ACSR	OH	1	0.10	
Jackman - Keene (L-163)	115	336.4 ACSR	OH	1	25.80	25.80
Keene - Monadnock (T-198)	115	477 ACSR	OH	1	11.20	11.20
Garvins - Merrimack (H-137)	115	795 ACSR	OH	1	2.70	2.70
Merrimack - Eddy (D-121)	115	795 ACSR	OH	1	11.30	11.30
Eddy - Rimmon - Greggs (J-114)	115	795 ACSR	OH	1	5.50	5.50
Madbury - Dover (M-183)	115	795 ACSR	OH	1	3.60	6.80

Public Service Company of New Hampshire
Lower Voltage PTF

<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>
		477 ACSR	OH	1	3.20	

**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 (C-196)	115	795 ACSR	OH	1	10.80	10.80
Greggs - Merrimack (Q-171)	115	795 ACSR	OH	1	10.70	10.70
Wattsbrook - Mammoth Rd. - Scobie Pond (R-187)	115	1272 ACSR	OH	1	5.90	5.90
Greggs - North Merrimack (K-105)	115	1272 ACSR	OH	1	10.80	10.80
Scobie Pond - Brentwood - Kingston (R-193)	115	477 ACSR	OH	1	15.10	15.20
		1272 ACSR	OH	1	0.10	
Brentwood - Ocean Rd. (A-126)	115	795 ACSR	OH	1	0.10	15.10
		477 ACSR	OH	1	14.80	
		1272 ACSR	OH	1	0.20	
Scobie Pond - Chester (B-172)	115	336.4 ACSR	OH	1	6.00	6.10
		1272 ACSR	OH	1	0.10	
Chester - Great Bay (H-141)	115	336.4 ACSR	OH	1	19.20	19.30
		795 ACSR	OH	1	0.10	
Great Bay - Ocean Rd. (S-153)	115	336 ACSR	OH	1	4.50	4.60
		795 ACSR	OH	1	0.10	
Scobie Pond - Hudson (X-116)	115	1590 ACSR	OH	1	11.20	11.20
Greggs - Reeds Ferry (B-143)	115	795 ACSR	OH	1	11.10	11.10
Hudson - Dracut, MA (NEP) (PSNH sec of Y-151)	115	4/0 Cu & 795 ACSR	OH	1	3.60	3.60
Chestnut Hill - Vernon, VT (VELCO) (PSNH Sec of N-186)	115	795 ACSR	OH	1	1.30	2.40
		2500 ACSR	OH	1	0.80	

**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>
		2-795 ACSR	OH	1	0.30	
Keene - Swanzey - Westport - Chestnut Hill (A-152)	115	795 ACSR	OH	1	12.00	16.90

**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>
		477 ACSR	OH	1	4.90	
Garvins - Deerfield (G-146)	115	1272 ACSR	OH	1	18.10	18.10
Greggs - Pine Hill (O-161)	115	795 ACSR	OH	1	6.90	6.90
Pine Hill - Deerfield (D-118)	115	795 ACSR	OH	1	15.20	15.20
Deerfield - Madbury (L-175)	115	795 ACSR	OH	1	8.30	12.90
		2-266.8 ASCR	OH	1	4.60	
Deerfield - Rochester (C-129)	115	477 ACSR	OH	1	8.50	20.20
		795 ACSR	OH	1	11.70	
Rochester - Madbury (G-128)	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 (N-133)	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 (R-169)	115	1272 ACSR	OH	1	2.10	3.00
		2-1113 ACSR	OH	1	0.60	
		795 ACSR	OH	1	0.30	
Pemigewasett - Webster (A-111)	115	336 ACSR	OH	1	10.50	10.60
		795 ACSR	OH	1	0.10	
Schiller - Ocean Road (E-194)	115	477 ACSR	OH	1	4.40	5.40
		795 ACSR	OH	1	1.00	
Schiller - Ocean Road (U-181)	115	336 ACSR	OH	1	4.50	5.50

**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>
		795 ACSR	OH	1	1.00	
Reeds Ferry - Milford Tap - Busch - Hudson (K-165)	115	795 ACSR	OH	1	8.20	8.20
Beebe - Ashland - Pemigewasset (E-115)	115	336 ACSR	OH	1	17.50	18.30
		795 ACSR	OH	1	0.80	
North Merrimack - Watts Brook (T-155)	115	1272 ACSR	OH	1	1.90	1.90
North Merrimack - Bedford (V-191)	115	1272 ACSR	OH	1	3.40	3.40
Bedford - Huse Road (M-164)	115	1272 ACSR	OH	1	2.10	2.10
Scobie - Huse Road (I-158)	115	1272 ACSR	OH	1	6.10	6.10
TOTAL PUBLIC SERVICE COMPANY OF NEW HAMPSIRE LOWER VOLTAGE PTF CKT. MILES						----- 554.00
TOTAL PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE CKT. MILES						----- 813.90

**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
TOTAL OF THE UNITED ILLUMINATING COMPANY EHV PTF CKT. MILES						6.23

**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 ; 1730]	115	795 ACSR	OH	2	3.87	10.56
	115	1750 Cu	UG	2	1.41	
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	795 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
Derby Jct. - Ansonia [1560]	115	4/0 Cu	OH	1	3.77	4.08

**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>
		336.4 SSAC	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	OH	1	1.16	1.47
		336.4 SSAC	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	OH	1	1.25	1.30
		1590 ACSR	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						111.35
TOTAL OF THE UNITED ILLUMINATING COMPANY CKT. MILES						117.58

**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>
Vermont Yankee - Northfield (NU border) (381)	345	2-927 ACAR	OH	1	0.35	0.35
Vermont Yankee - Amherst (NU border) (379)	345	2-927 ACAR	OH	1	0.38	0.38
Vermont Yankee - Coolidge (340)	345	2-927 ACAR	OH	1	51.22	51.22
Coolidge - West Rutland (350)	345	2-954 ACSR	OH	1	27.12	27.12
West Rutland - New Haven (370)	345	2-954 ACSR	OH	1	35.63	35.63
Comerford - Granite (F-206)	230	927 ACAR	OH	1	32.09	32.48
	230	954 ACSR	OH	1	0.39	
TOTAL VERMONT ELECTRIC POWER COMPANY, INC. EHV PTF CKT. MILES						147.18

**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-24W)	115	795 ACSR	OH	1	0.02	0.02
IBM#87 Tap - IBM#86 Tap (K-24W)	115	795 ACSR	OH	1	1.00	1.00
IBM#86 Tap - Middlesex Tap (K-24W)	115	795 ACSR	OH	1	24.98	24.98
Middlesex Tap - Berlin (K-24W)	115	795 ACSR	OH	1	4.77	4.77
Berlin - Barre (K-24E)	115	795 ACSR	OH	1	5.60	5.60
Barre - Granite (K-26W)	115	954 ACSS	OH	1	5.64	5.64
Granite - Chelsea Tap (K-26E)	115	795 ACSR	OH	1	11.25	11.25
Chelsea Tap - Hartford Tap (K-26E)	115	795 ACSR	OH	1	21.47	21.47
Hartford Tap - Wilder (NGRID border) (K-26E)	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 - Tafts Corner Tap (K-23)	115	1272 ACSR	OH	1	3.19	3.19
Tafts Corner Tap - Williston (K-23)	115	1272 ACSR	OH	1	2.07	2.07
Williston - New Haven (K-43)	115	954 ACSR	OH	1	20.83	20.83
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
West Rutland - Blissville Tap (K-34)	115	954 ACSR	OH	1	1.16	11.61
		795 ACSR	OH	1	10.45	
Blissville Tap - 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	1.16	5.05
		795 ACSR	OH	1	3.89	
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	13.02	13.02
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
Vermont Yankee - Vernon Road Tap (PSNH border) (K-186)	115	927 ACAR	OH	1	0.35	0.35

**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>
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-29)	115	927 ACAR	OH	1	9.57	9.57
St. Johnsbury - Irasburg (K-28)	115	927 ACAR	OH	1	36.48	36.48
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						388.55
TOTAL VERMONT ELECTRIC POWER COMPANY, INC. CKT. MILES						535.73

**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>
Manchester - Ludlow (WMECO Sec. of 395)	345	2156 ACSR	OH	1	11.60	11.60
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	29.40	29.40
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	6.00	6.00
Doreen - Berkshire (1662)	115	1272 ACSR	OH	1	6.00	6.00
Berkshire - Cumberland via Plainfield and Ashfield (1231)	115	2/0 Cu	OH	1	26.00	26.10
		1272 ACSR	OH	1	0.10	
Berkshire - Cumberland via Plainfield and Ashfield (1242)	115	2/0 Cu	OH	1	28.80	28.90
		1272 ACSR	OH	1	0.10	
Cumberland - Montague (1361)	115	2/0 Cu	OH	1	2.80	2.80
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	12.40	12.40
Pleasant - Blanford (1421)	115	556 ACSR	OH	1	17.90	17.90
Blanford - Southwick via Elm (1512)	115	556 ACSR	OH	1	24.00	24.50
		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	2.60	5.50
		1272 ACSR	OH	1	2.90	
Ludlow - Shawinigan (1845)	115	1113 ALUM	OH	1	5.20	6.20
		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	3.60
		1113 ACSR	OH	1	1.30	
		1272 ACSR	OH	1	1.70	
Orchard - Ludlow (1552)	115	1113 ALUM	OH	1	0.60	5.40
		1272 ACSR	OH	1	4.80	
East Springfield - Ludlow (1481)	115	1272 ACSR	OH	1	6.50	7.80
		1113 ACSR	OH	1	1.30	
Piper - East Springfield Jct. via Fairmont No. & East Springfield (1723)	115	336 ACSR	OH	1	4.20	10.00
		795 ACSR	OH	1	1.70	
		1272 ACSR	OH	1	2.50	
		2-336 ACSR	OH	1	1.60	
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	2.30	2.50
		4/0 Cu	OH	1	0.10	
		1272 ACSR	OH	1	0.10	
West Springfield - Agawam (1412)	115	336 ACSR	OH	1	2.30	2.50
		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
Midway - Mount Tom (WMECO Sec. of 1039)	115	795 ACSR	OH	1	0.20	0.20

**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	7.50	7.50
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	11.80	11.80
Franconia - Scitico (WMECO Sec. of 1394)	115	1272 ACSR	OH	1	6.10	6.10
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	3.60	3.60
Agawam - Buck Pond via Pochassic (1302)	115	1272 ACSR	OH	1	11.40	11.40
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	3.10	3.10
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
TOTAL WESTERN MASSACHUSETTS ELECTRIC COMPANY LOWER VOLTAGE PTF CKT. MILES						----- 272.20 -----

**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>
TOTAL WESTERN MASSACHUSETTS ELECTRIC COMPANY CKT. MILES						376.70

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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