

Charging of 345kV Circuits in New England
(All MVAR values at nominal voltage)

Circuit #	Terminals	Charging (MVAR)
301	Ludlow - Carpenter Hill	20.8
302	Carpenter Hill - Millbury No. 3	13.1
303	Brayton Point - ANP Bellingham	28.6
307	Deerfield - Newington	21.5
308	Millbury No. 3 - Wachusett	11.0
310	Millstone - Manchester	41.8
312	Berkshire - Northfield Mountain	31.6
313	Millbury No. 3 - Wachusett	11.2
314	Wachusett - Sandy Pond	20.5
315	Brayton Point - West Farnum	33.6
316	Holbrook - West Walpole	13.4
319	Woburn - Lexington	7.5
321	Long Mountain - Plumtree	15.6
322	Canal - Carver	13.4
323	Millbury No. 3 - West Medway	13.4
324	Mystic - Kingston Street	87.5
325	West Medway - West Walpole	6.8
326	Sandy Pond - Lawrence Road - Scobie Pond	25.5
328	West Farnum - Sherman Road	7.7
329	Frost Bridge - Southington	8.6
330	Card - Lake Road	25.8
331	Carver - West Walpole	22.3
332	West Farnum - Kent County	17.7
333	Ocean State - Sherman Road	.1
334	Ludlow - Stony Brook	4.4
335	Auburn Street - Holbrook	6.6
336	West Medway - NEA Bellingham - ANP Blackstone	7.1
337	Tewksbury - Sandy Pond	13.9
338	Tewksbury - Woburn	11.5
339	Tewksbury - Golden Hills	15.8
340	Vermont Yankee - Coolidge	42.7
342	Canal - Pilgrim - Auburn Street	53.9

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Circuit #	Terminals	Charging (MVAR)
343	Wachusett - Sandy Pond	19.7
344	Bridgewater - West Medway	25.3
346	North Cambridge - Woburn	120.4
347	Killingly - Sherman Road	12.9
348	Millstone – Haddam - Beseck	37.2
349X	Mystic - Golden Hills	120.0
349Y	Mystic - Golden Hills	120.0
350	Coolidge – West Rutland	23.6
351	Mystic - North Cambridge	91.4
352	Long Mountain - Frost Bridge	13.9
353	Manchester - Scovill Rock	14.2
354	Ludlow - Northfield Mountain	25.2
355	Bridgewater - Pilgrim	21.7
357	Millbury - West Medway	13.5
358	Mystic - North Cambridge	91.4
361	Newington - Newington Energy	1.2
362	Haddam Neck - Beseck	16.1
363	Seabrook - Scobie Pond	26.6
364	Haddam Neck - Montville	19.5
365	North Cambridge - Woburn	120.4
368	Manchester - Card	13.6
369	Seabrook - Timber Swamp Road	4.4
370	West Rutland - New Haven	30.7
371	Millstone - Montville	10.9
372	Mystic - Kingston Street	87.5
373	Scobie Pond - Deerfield	15.5
374	Buxton - Surowiec	21.9
375	Buxton - Maine Yankee	46.3
376	Haddam Neck - Scovill Rock	4.4
377	Surowiec - Maine Yankee	24.3
378	Mason - Maine Yankee	2.9
379	Vermont Yankee - Amherst	43.4
380	Amherst - Scobie Pond	13.2

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Circuit #	Terminals	Charging (MVAR)
381	Northfield Mountain - Vermont Yankee	16.7
383	Millstone - Card	24.9
384	Middletown - Scovill Rock	2.4
385	Deerfield - Buxton	40.6
386	Buxton - South Gorham - Yarmouth	25.3
387	East Shore – Halvarsson -Scovill Rock	26.7
388	Maxcys - Orrington	44.9
389	West Medway - West Walpole	8.8
390	Orrington – Point Lepreau, NB	124.2
391	Buxton - Scobie Pond	56.1
392	Maine Yankee - Maxcys	21.1
393	Alps - Berkshire	25.8
394	Seabrook – Ward Hill	23.1
395	Manchester - North Bloomfield – Barbour Hill	18.0
396	Orrington - Keswick, N. B.	121.4
397	Ward Hill – Tewksbury	13.7
398	Pleasant Valley - Long Mountain	15.3
3041	Scovill Rock – Southington	16.7
3361	ANP Blackstone - Sherman Road	12.1
3520	West Medway - ANP Bellingham	2.0
3135	Newington - Timber Swamp Road	10.8
3162	Stoughton – K Street	388.5
3164	Stoughton – Hyde Park	248.6
3403	Plumtree – Norwalk (one cable in service)	269.1
3348	Killingly – Lake Road	0.5
3419	Barbour Hill – Ludlow	17.1
3754	Beseck – Southington	10.4
3827	Beseck – East Devon	41.9

OP 6 APPENDIX C REVISION HISTORY

Document History (This Document History documents action taken on the equivalent NEPOOL Procedure prior to the RTO Operations Date as well revisions made to the ISO New England Procedure subsequent to the RTO Operations Date.)

Rev. No.	Date	Reason
Rev 1	07/22/98	
Rev 2	09/01/2002	
Rev 3	06/11/2004	
Rev 4	11/09/2004	
Rev 5	02/01/05	Updated to conform to RTO terminology
Rev 6	08/23/06	Added 3162, 3164, 397, changed 394, 348
Rev 7	11/16/06	Added 3403, 3348 and revised nomenclature for 347
Rev 8	10/23/07	Revised line data resulting from the annual review process
Rev 9	08/11/08	Revise line data for new 345 kV circuits and from TOPs group and LCC reviews