

**Appendix 4. Gas Infrastructure Serving Generation in ISO-NE**

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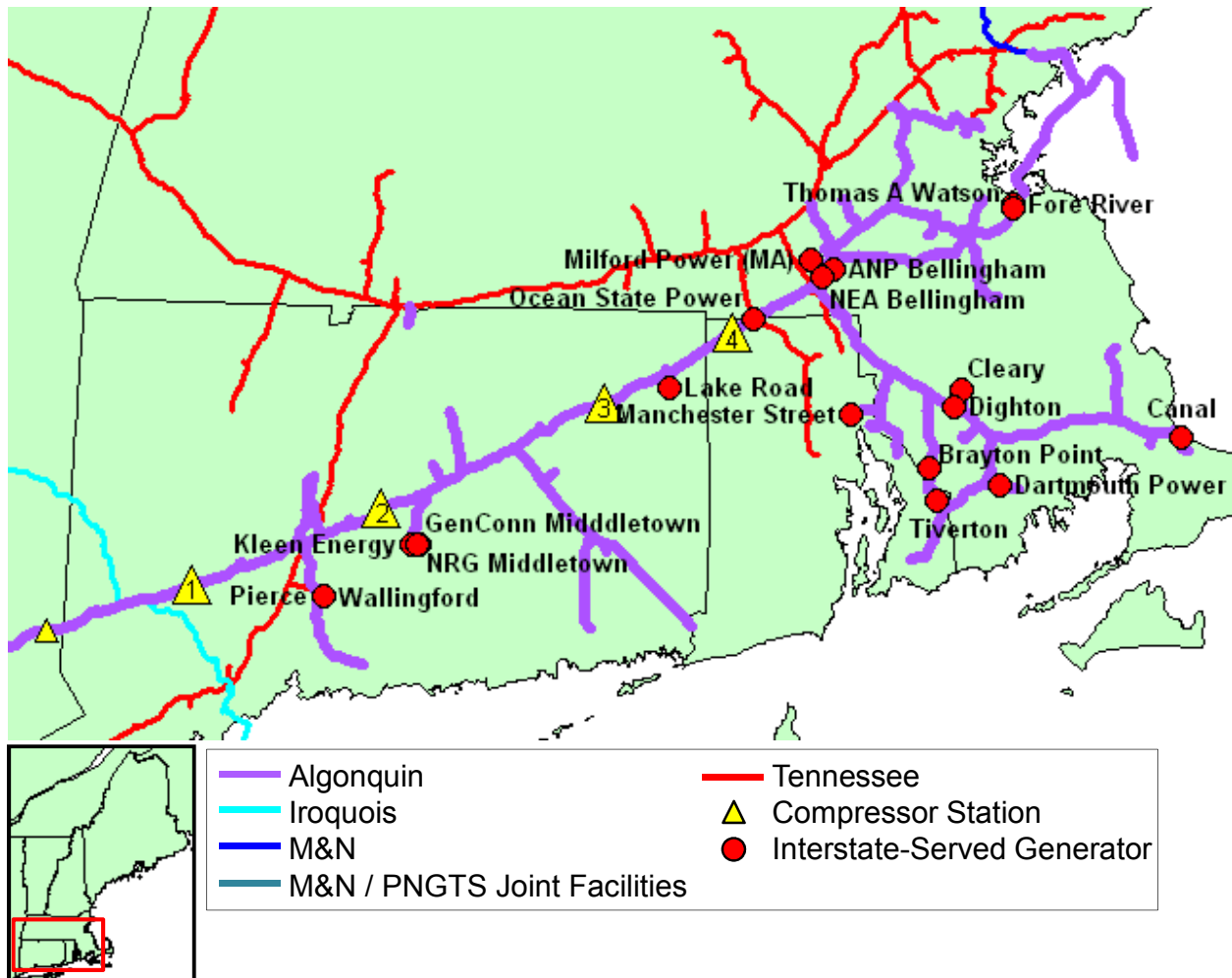
Data Sources:

- Pipeline capacities are taken from Peak Day Capacity reports filed with FERC
- Meter data is taken from the respective pipeline EBBs (see Exhibit 3 for URLs)

**Algonquin Gas Transmission (Spectra Energy)**

Capacity: 1,418 MDth/d (Southeast – NY/CT border)<sup>1</sup>

**Figure A4-1. Algonquin Facilities in New England**



<sup>1</sup> Operationally Available Capacity – Operational Capacity Map:  
<https://rtba.spectraenergy.com/InformationalPosting/Default.aspx?bu=AG&Type=OA>

Table A4-1. ISO-NE Generators Directly Connected to Algonquin

Generator	Capacity (MW)	Meter Name	Meter Number
ANP Bellingham	532.1	ANP Bellingham Energy Company (Norfolk,MA)	814
Brayton Point	445.5	Brayton Point Energy, Llc	90
Canal	547.0	Mirant Canal, (Barnstable,MA)	806
Cleary	109.9	TMPL (Bristol,MA)	812
Dartmouth Power	89.5	Dartmouth Power (Norfolk,MA)	93
Dighton	185.0	Dighton Power Llc Bristol Ma (Bristol,MA)	815
Fore River	843.0	Fore River (Norfolk,MA)	803
GenConn Middletown	196.8	Genconn Power Plant	836
Kleen Energy	620.0	Kleen Energy	833
Lake Road	857.3	PG&E Lake Road (Windham,CT)	817
Manchester Street <sup>2</sup>	509.8	PG&E Manchester St, (Providence,RI)	87
Milford Power (MA)	170.7	Enron Power (Norfolk,MA)	801
NEA Bellingham	336.5	Bellingham(Norfolk,MA)	94
NRG Middletown	364.4	NRG Middletown, (Middlesex,CT)	810
Ocean State Power <sup>3</sup>	635.1	Ocean St (Providence,RI)	95
Pierce	94.6	CMEEC-Pierce Power Plant-(New Haven,CT)	831
Thomas A Watson	114.8	BELD - Braintree Electric Linghting (Norfolk,MA)	834
Tiverton	278.8	Calpine Tiverton, (Providence,RI)	816
Wallingford	244.3	Wallingford Energy Interconnect (Fairfield,CT)	820

Table A4-2. Algonquin Compressor Stations in ISO-NE

ID	Name	Location
1	Oxford	Oxford, CT
2	Cromwell	Cromwell, CT
3	Chaplin	Chaplin, CT
4	Burrillville	Burrillville, RI

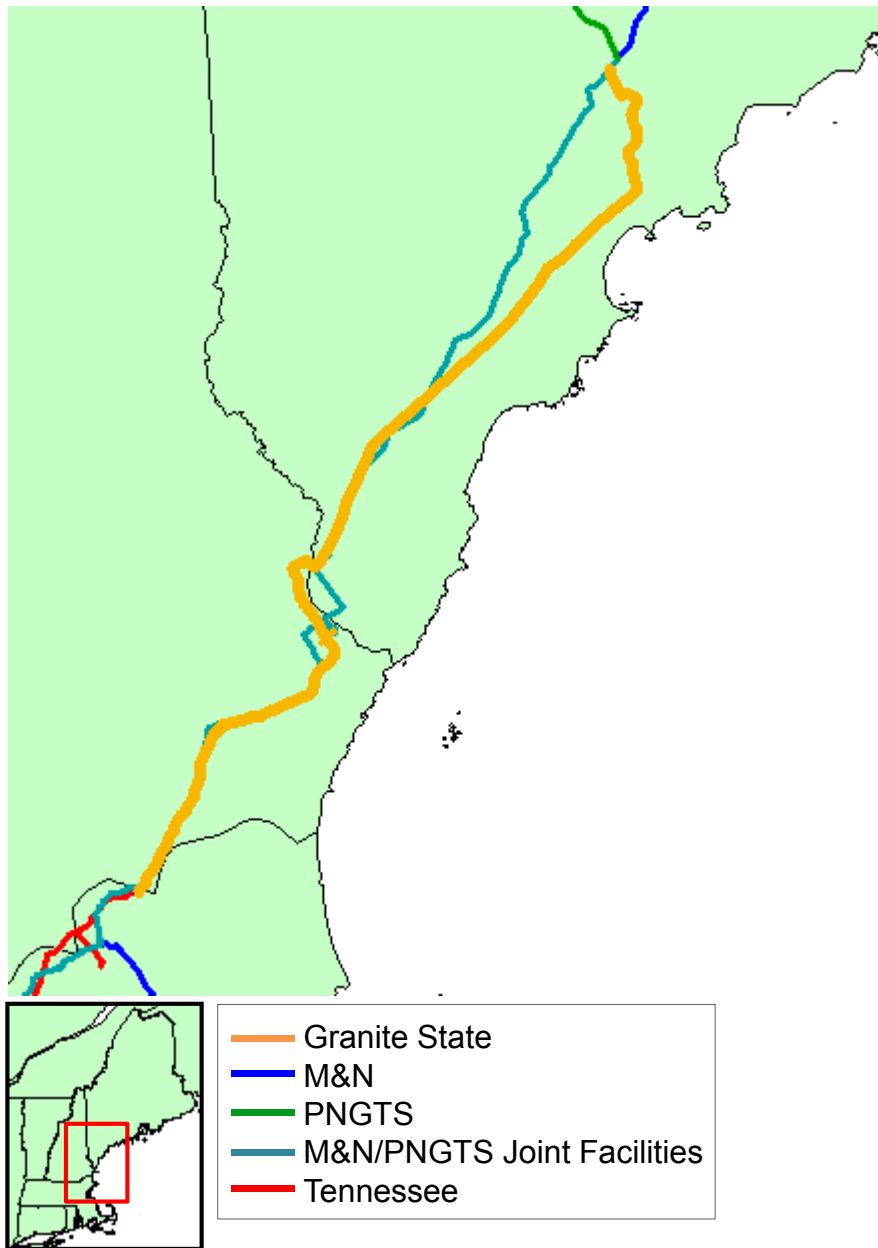
<sup>2</sup> National Grid / Narragansett Electric owns, operates and maintains the pipeline between the Algonquin meter and the Manchester Street plant.

<sup>3</sup> Ocean State Power is directly connected to Algonquin and Tennessee.

**Granite State Gas Transmission (Unitil)**

*Capacity: 150 MDth/d*

**Figure A4-2. Granite State Facilities**



**Iroquois Gas Transmission System<sup>4</sup>**

*Capacity: 1,195 MDth/d (Waddington) / 1,545 MDth/d (Waddington + Brookfield<sup>5</sup>)*

**Figure A4-3. Iroquois Facilities in New England**



<sup>4</sup> Jointly owned by TransCanada Pipelines Limited (44.48%), Dominion Resources, Inc. (24.72%), National Grid (20.40%), New Jersey Resources Corporation (5.53%) and Iberdrola, USA (4.87%).

<sup>5</sup> Design Capacity Report: [http://iroquois.com/informationalpostings/reports/cap\\_designcap.asp](http://iroquois.com/informationalpostings/reports/cap_designcap.asp)

**Table A4-3. ISO-NE Generators Directly Connected to Iroquois**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Meter Name</b>	<b>Meter Number</b>
GenConn Devon	196.8	Devon B	893935
Milford Power (CT)	569.4	Milford B	281335
NRG Devon	156.5	Devon	147191

**Table A4-4. Iroquois Compressor Stations in ISO-NE**

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Brookfield	Brookfield, CT
2	Milford	Milford, CT

**Maritimes & Northeast Pipeline (Spectra Energy)**

Capacity: 847 MDth/d

Figure A4-4. M&N Facilities

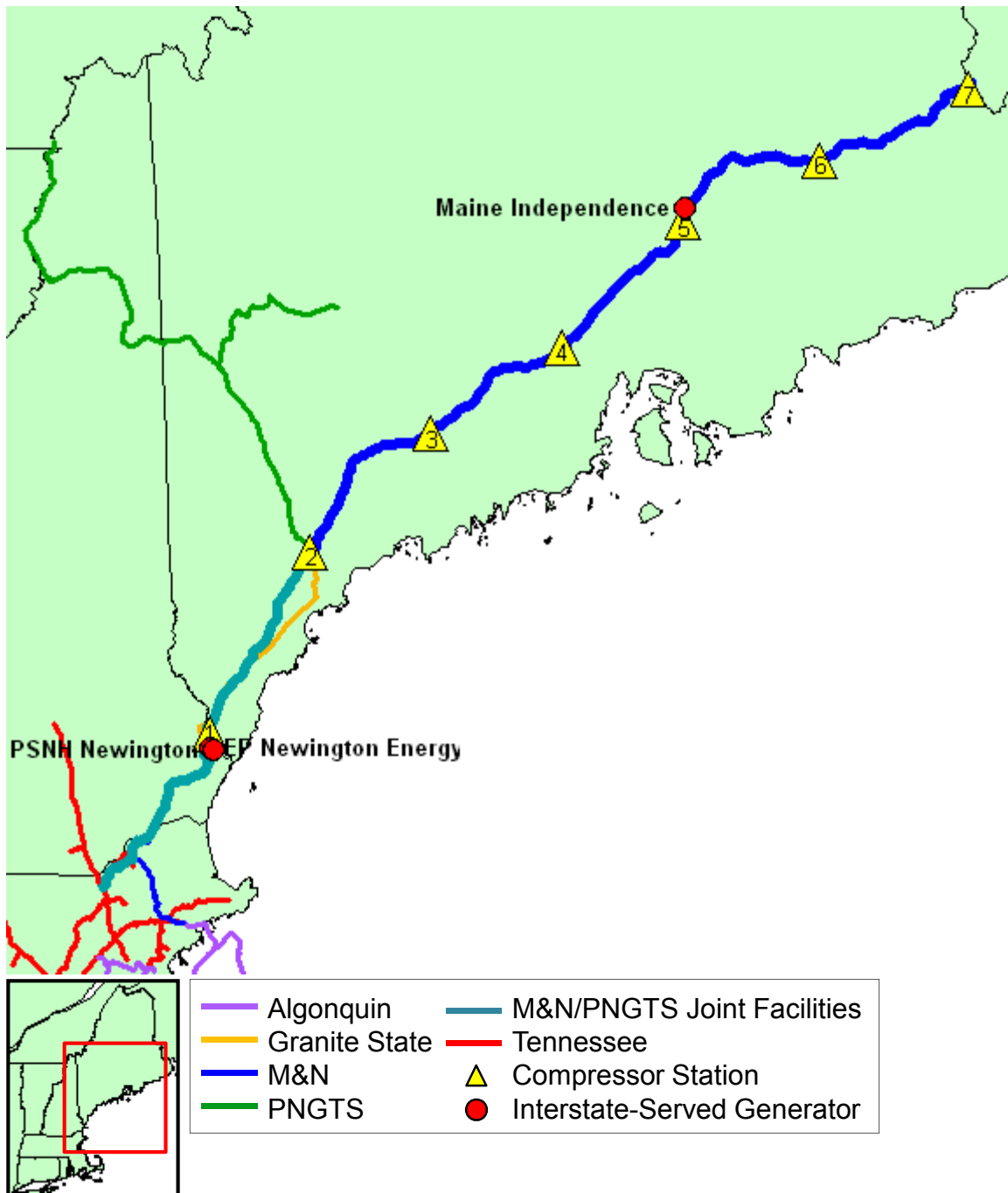


Table A4-5. ISO-NE Generators Directly Connected to M&amp;N

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Meter Name</b>	<b>Meter Number</b>
EP Newington Energy <sup>6</sup>	561.0	Newington Power Meter Station	30022
Maine Independence	538.2	Casco Bay	30009
PSNH Newington <sup>6</sup>	400.2	PSNH - Granite State Newington Rockingham Co.NH	30007

Table A4-6. M&amp;N Compressor Stations in ISO-NE

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Eliot	Eliot, ME
2	Westbrook	Westbrook, ME
3	Richmond	Richmond, ME
4	Searsmont	Searsmont, ME
5	Brewer	Brewer, ME
6	Woodchopping Ridge	Woodchopping Ridge, ME
7	Baileyville	Baileyville, ME

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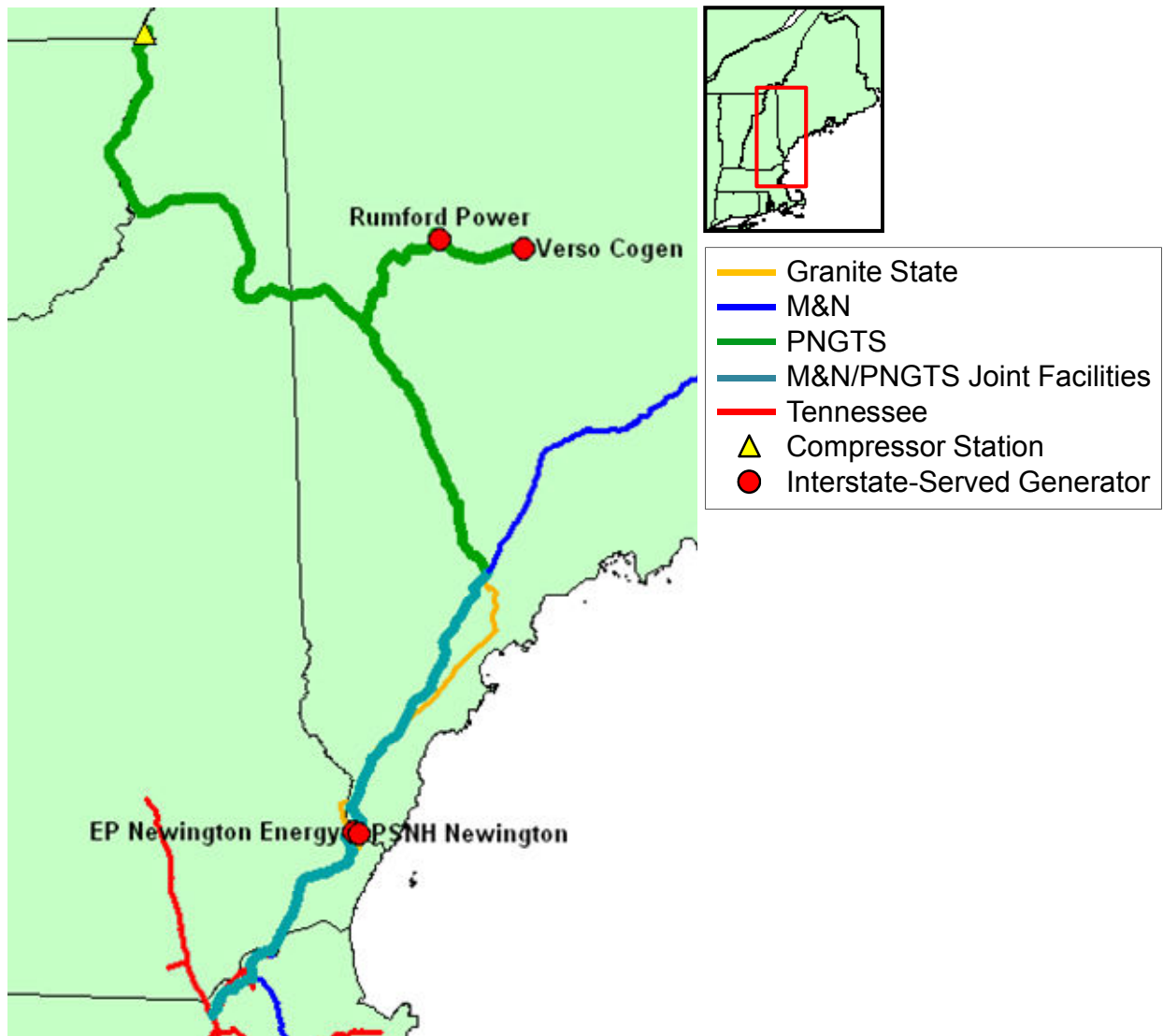
<sup>6</sup> EP Newington Energy and PSNH Newington are served by the M&N/PNGTS Joint Facilities System.



**Portland Natural Gas Transmission System (TransCanada, Gaz Metro)**

Capacity: 169 MDth/d

**Figure A4-5. PNGTS Facilities**



**Table A4-7. ISO-NE Generators Directly Connected to PNGTS**

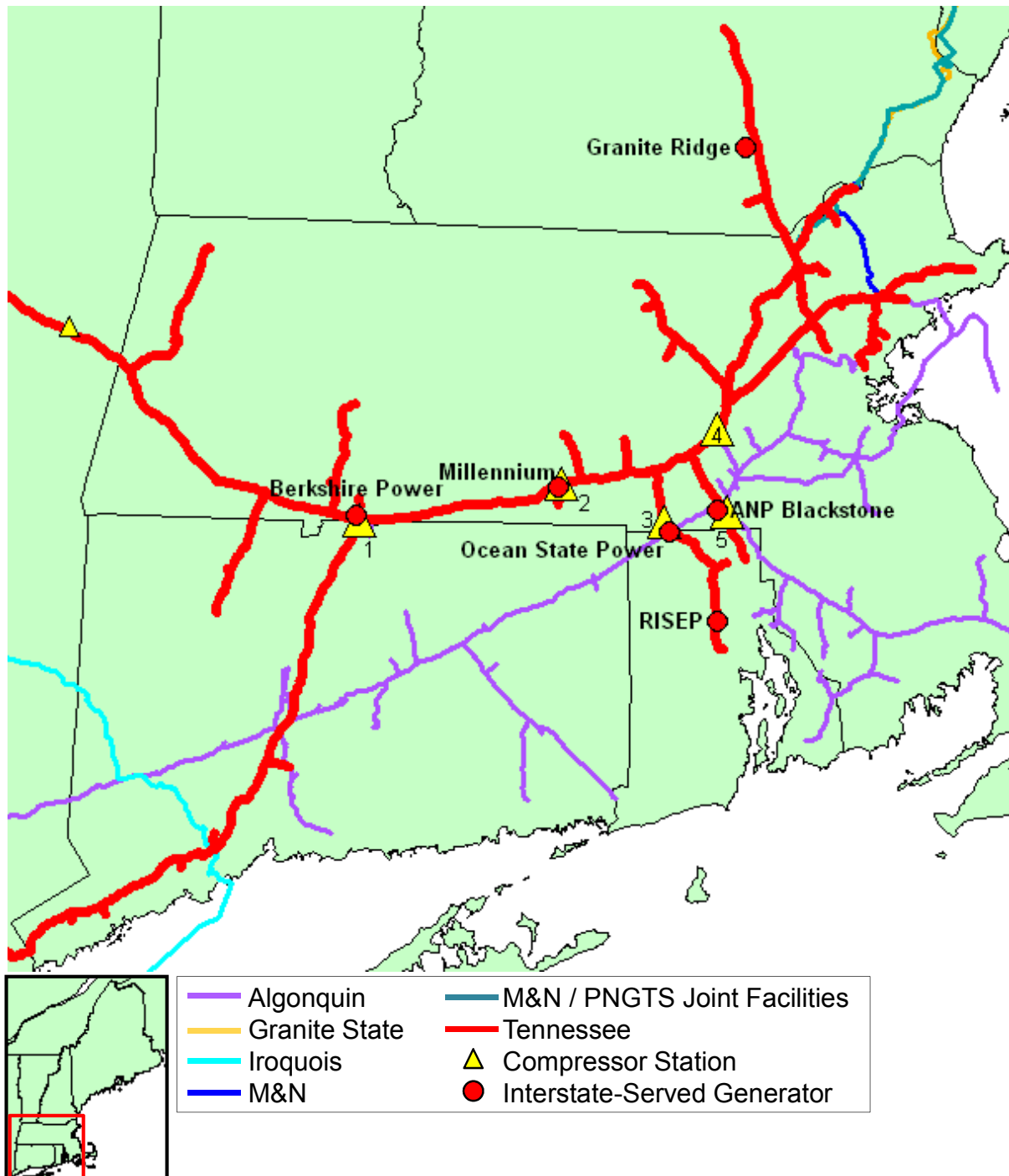
Generator	Capacity (MW)	Meter Name	Meter Number
EP Newington Energy <sup>7</sup>	561.0	Newington-Coned	02-0775
PSNH Newington <sup>7</sup>	400.2	Newington St PSNH	02-0900
Rumford Power	269.1	Rumford Power	02-0400
Verso Cogen	167.2	Jay ME-Androscog	02-0450

<sup>7</sup> EP Newington Energy and PSNH Newington are served by the M&N/PNGTS Joint Facilities System.

**Tennessee Gas Pipeline (Kinder Morgan)**

Capacity: 959 MDth/d (Station 261)<sup>8</sup>

**Figure A4-6. Tennessee Facilities in New England**



<sup>8</sup> Operationally Available Capacity – Segment Capacity:  
<http://pipeline2.kindermorgan.com/Capacity/OpAvailSegment.aspx?code=TGP>

**Table A4-8. ISO-NE Generators Directly Connected to Tennessee**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Meter Name</b>	<b>Meter Number</b>
ANP Blackstone	514.9	GDF Suez/TGP Blackstone Worchester	420894
Berkshire Power	246.3	Hess/TGP Berkshire Power Sales Hamp	420901
Granite Ridge	770.2	Granridg/TGP Granite Ridge Rockingh	420931
Millennium	383.9	Mill Pow/TGP Millennium Power Cogen	420884
Ocean State Power <sup>9</sup>	635.1	Ocean St/TGP Providence	420707
RISEP	617.0	Entrgyneu/TGP FPLE RISE Providence	420926

**Table A4-9. Tennessee Compressor Stations Serving ISO-NE**

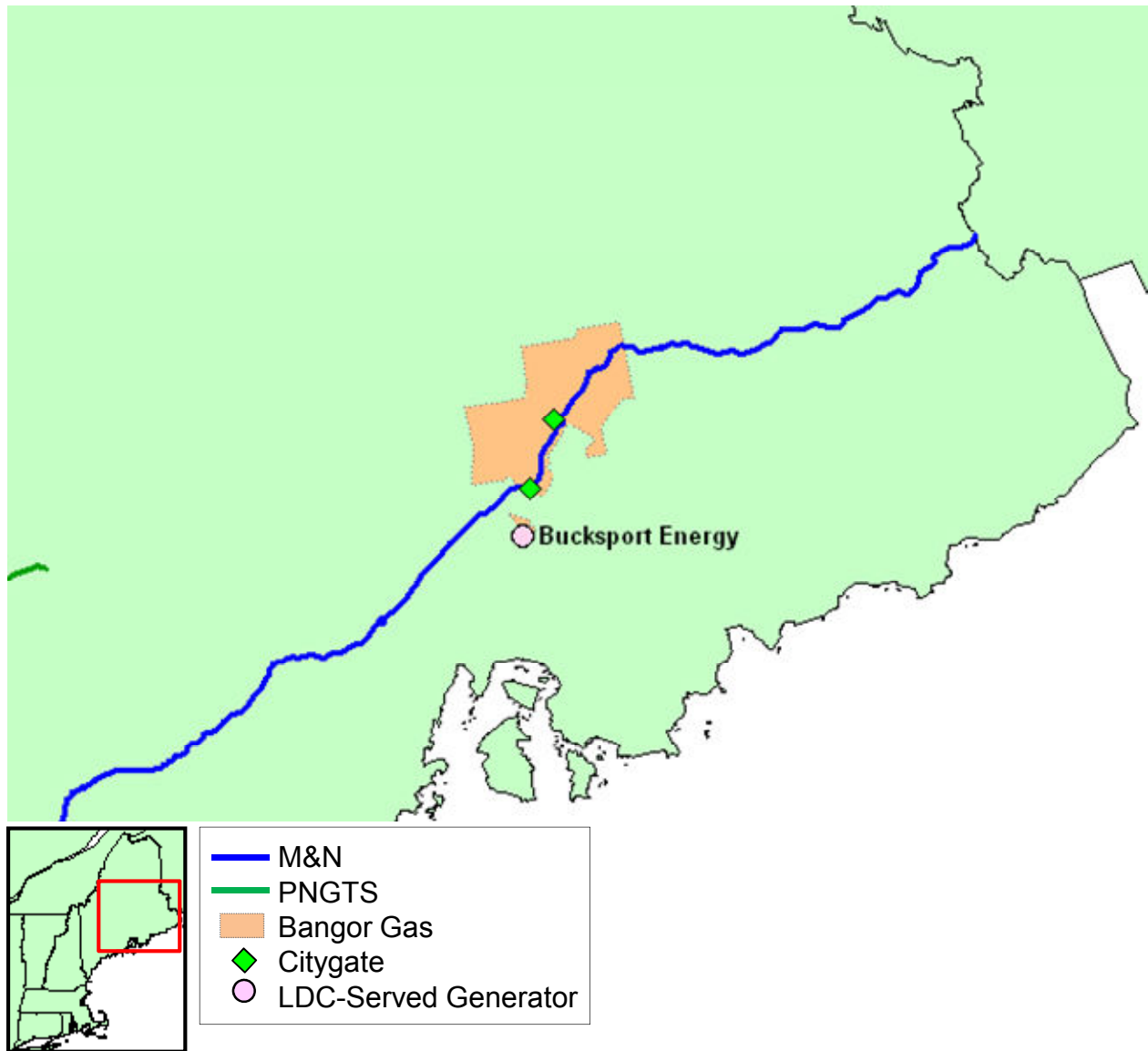
<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Station 261	Agawam, MA
2	Station 264	Charlton, MA
3	Station 265E	Burrillville, RI
4	Station 267	Hopkinton, MA
5	Station 267A	Mendon, MA

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<sup>9</sup> Ocean State Power is directly connected to Algonquin and Tennessee.

**Bangor Gas Company (EnergyWest)**

**Figure A4-7. Bangor Gas Service Territory**



**Table A4-10. ISO-NE Generators Served by Bangor Gas**

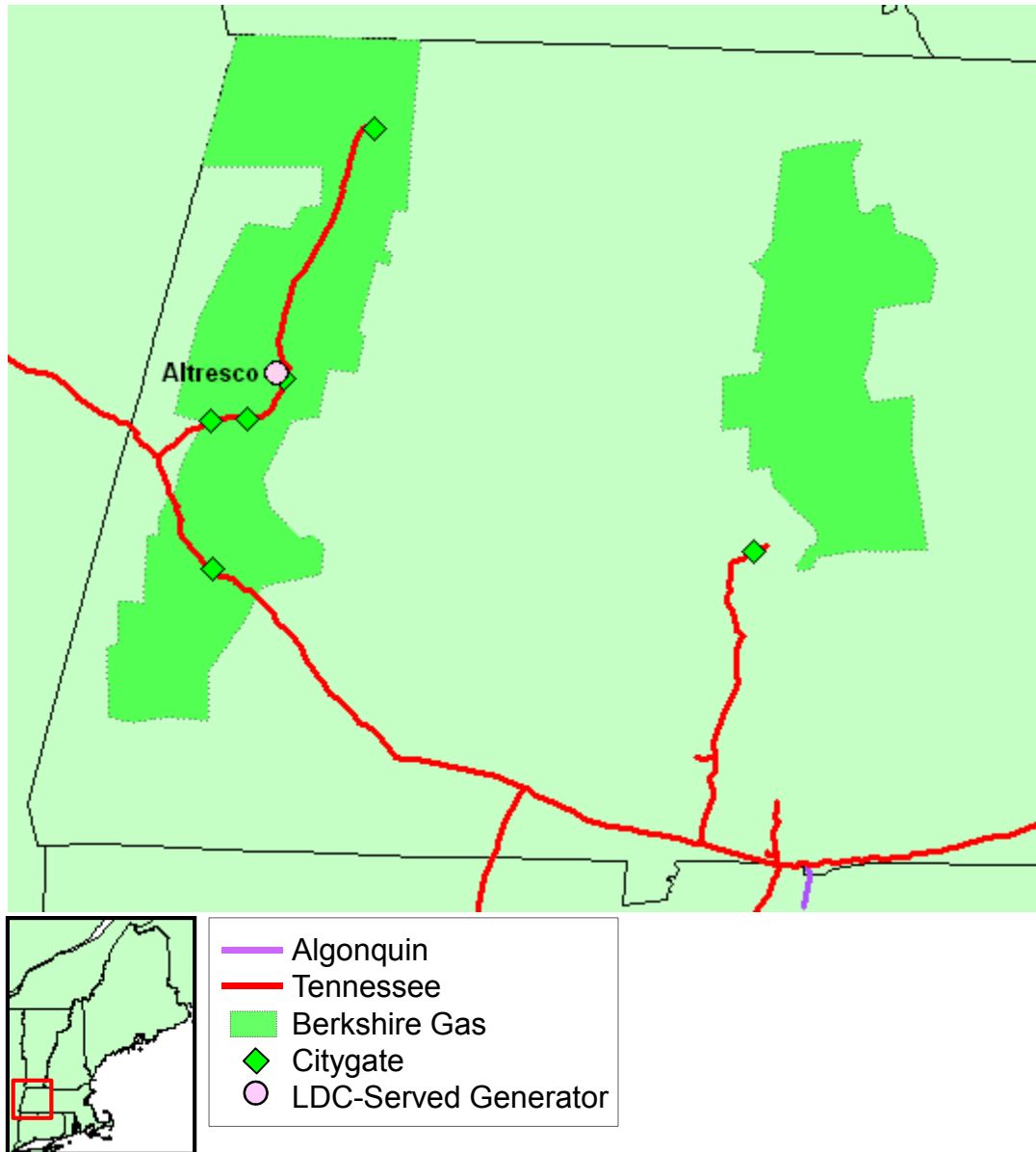
Generator	Capacity (MW)
Bucksport	153.4

**Table A4-11. Bangor Gas Citygate Stations**

Pipeline	Meter Name	Meter Number
M&N	Bangor Gas - Bucksport (Orrington)	30017
M&N	Bangor Gas - Veazie	30018

**Berkshire Gas (UIL Holdings)**

**Figure A4-8. Berkshire Gas Service Territory**



**Table A4-12. ISO-NE Generators Served by Berkshire Gas**

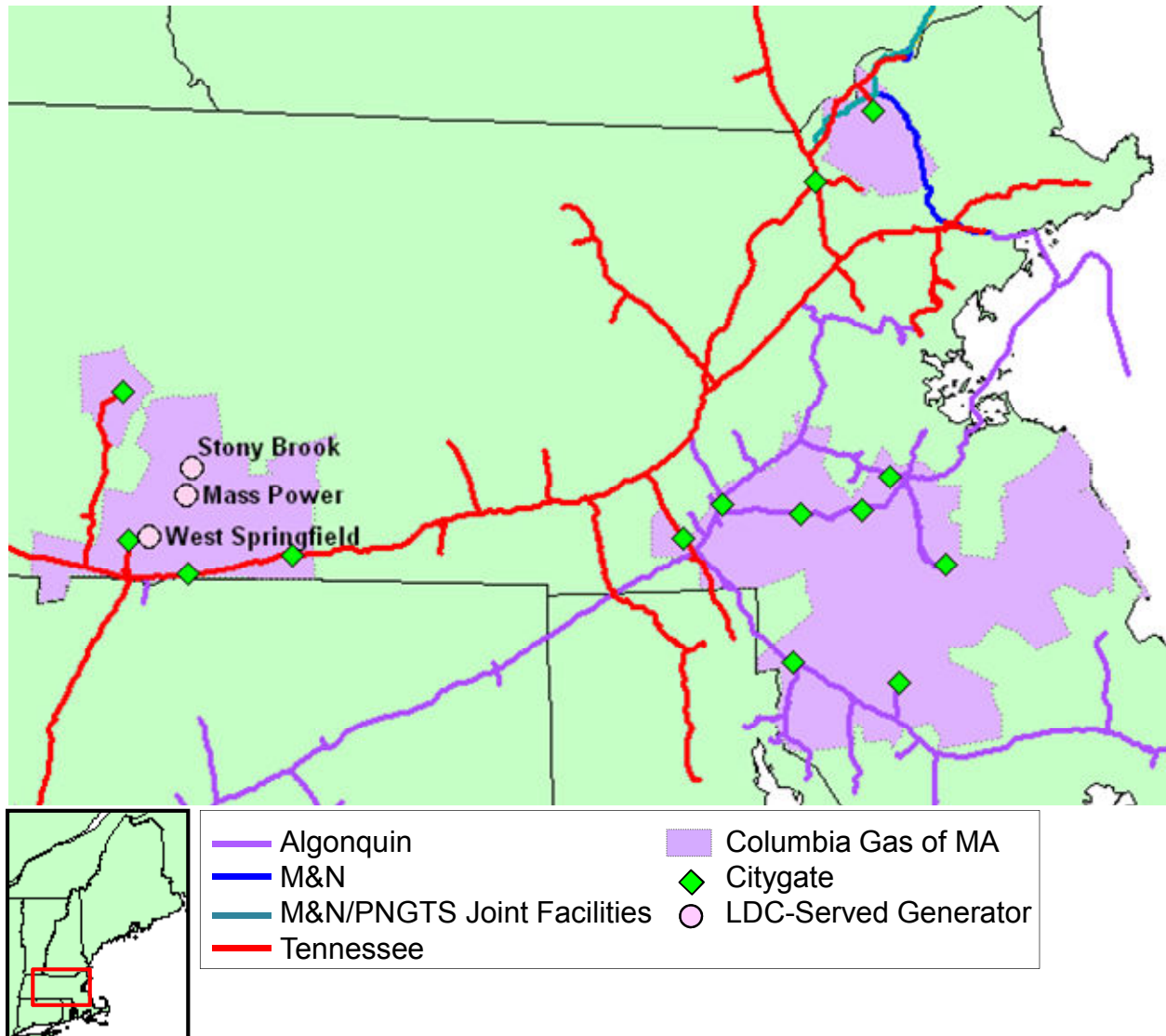
<b>Generator</b>	<b>Capacity (MW)</b>
Altresco Pittsfield	183.0

**Table A4-13. Berkshire Gas Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Tennessee	Berkshr/TGP Pittsfield MA Berkshire	420102
Tennessee	Berkshr/TGP North Adams MA Berkshir	420103
Tennessee	Berkshr/TGP Stockbridge Sales Berks	420278
Tennessee	Berkshr/TGP Greenfield MA Hampshire	420292
Tennessee	Berkshr/TGP West Pittsfield Sales B	420638
Tennessee	Berkshr/TGP Bousquet SMS Berkshire	420747

**Columbia Gas of Massachusetts (NiSource)**

**Figure A4-9. Columbia Gas of Massachusetts<sup>10</sup> Service Territory**



**Table A4-14. ISO-NE Generators Served by Columbia Gas of Massachusetts**

<b>Generator</b>	<b>Capacity (MW)</b>
Mass Power	279.9
Stony Brook	353.9
West Springfield	194.4

<sup>10</sup> Previously known as Bay State Gas.

**Table A4-15. Columbia Gas of Massachusetts Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Algonquin	Taunton (Bristol, MA)	11
Algonquin	Brockton (Plymouth,MA)	24
Algonquin	West Medway (Norfolk,MA)	36
Algonquin	South Attleboro (Bristol, MA)	37
Algonquin	Canton (Norfolk,MA)	58
Algonquin	Bay State Gas - Sharon Sta.-(Norfolk,MA)	823
Algonquin	Norfolk Meter Station (Norfolk,MA)	832
Tennessee	Bay St/TGP Agawam Mass Hampden	400484
Tennessee	Bay St/TGP Granite Northampton MA H	420106
Tennessee	Bay St/TGP Lawrence MA Middlesex	420121
Tennessee	Bay St/TGP East Longmeadow MA Hampd	420193
Tennessee	Bay St/TGP Brockton Sales Worcheste	420631
Tennessee	Bay St/TGP Monson Sales Hampden	420751
Tennessee	Bay St/TGP Wyeth GII Essex	421025



Connecticut Natural Gas (UIL Holdings)

Figure A4-10. Connecticut Natural Gas Service Territory

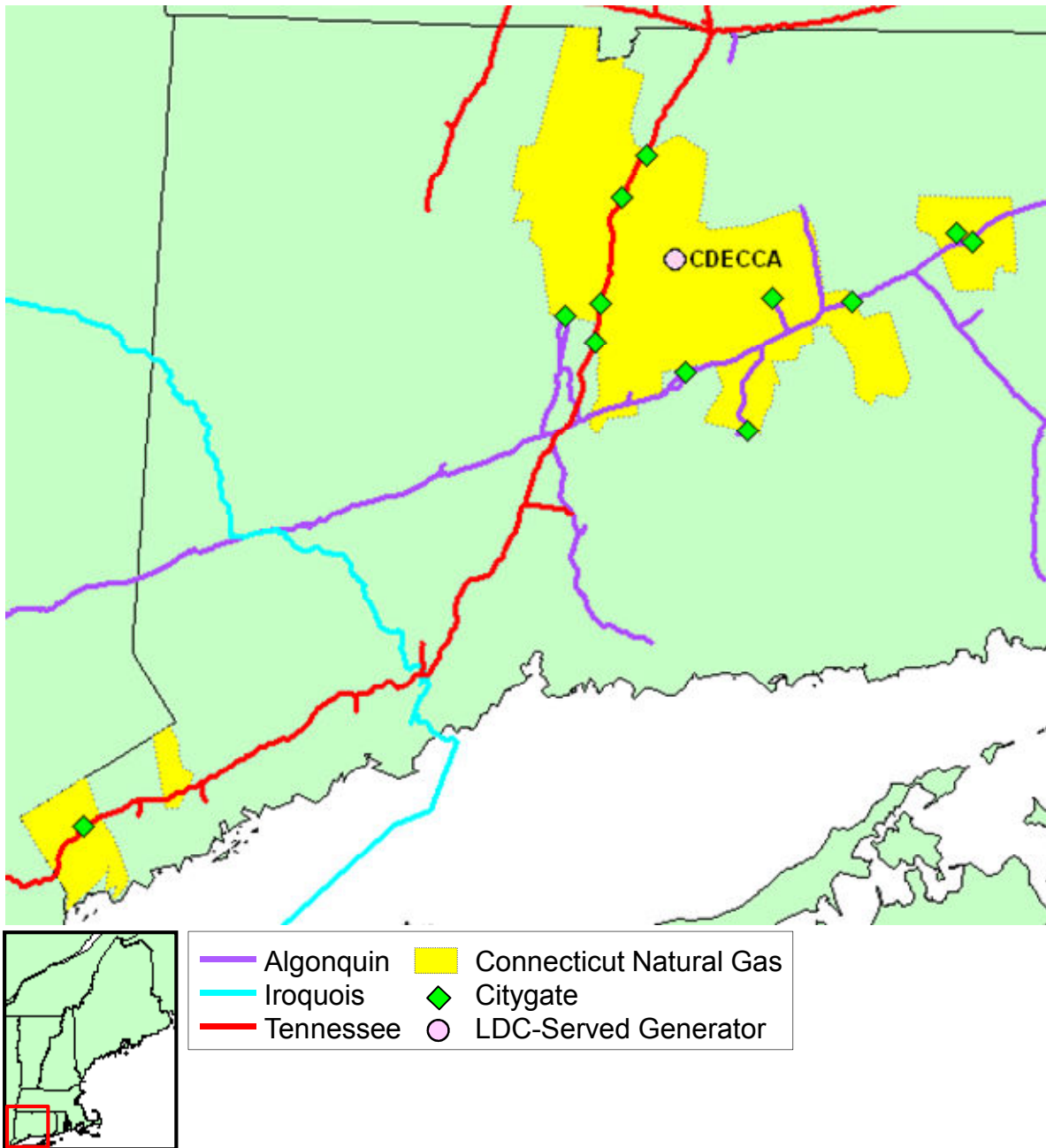


Table A4-16. ISO-NE Generators Served by Connecticut Natural Gas

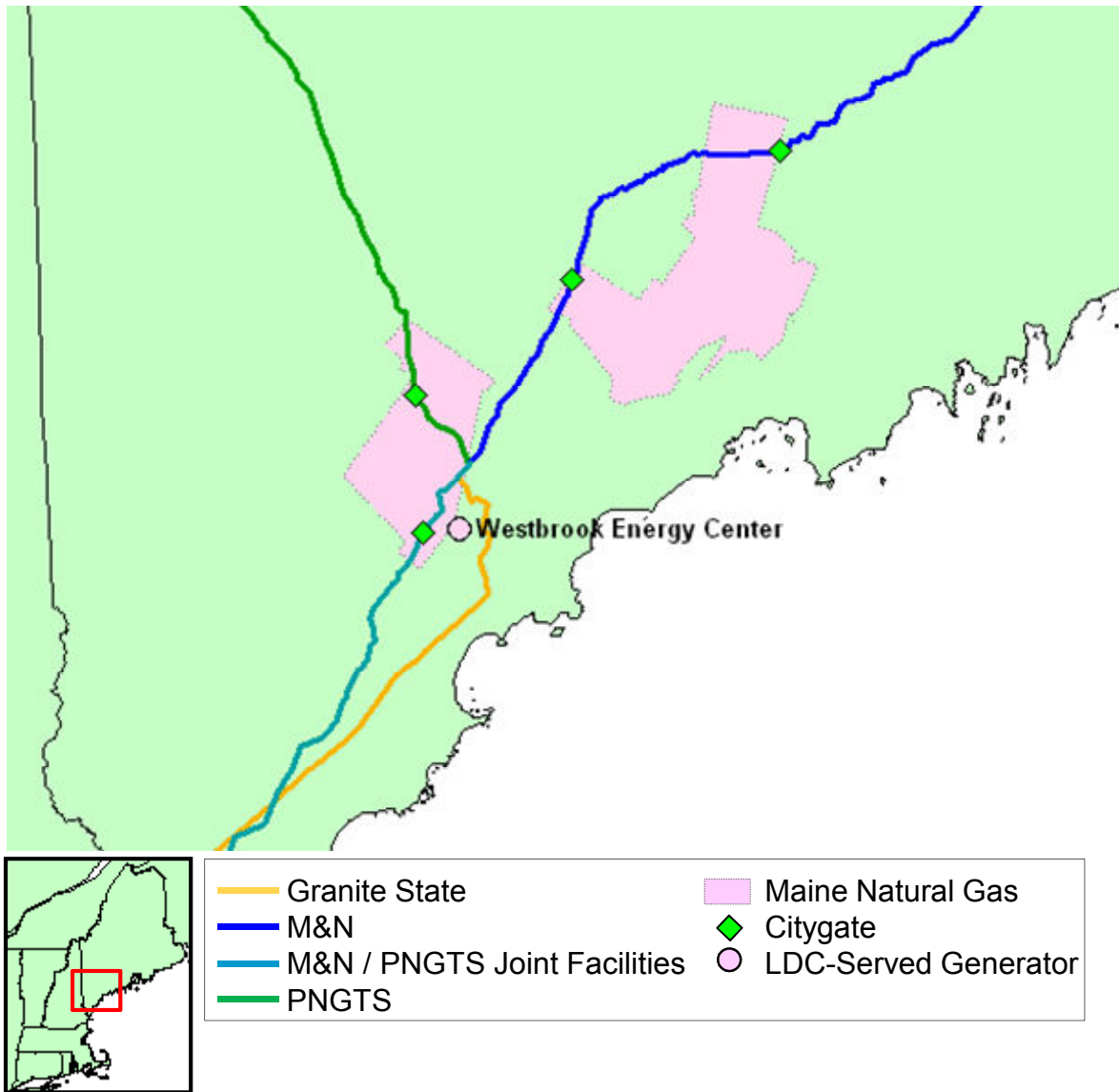
Generator	Capacity (MW)
Capital District (CDECCA)	61.3

**Table A4-17. Connecticut Natural Gas Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Algonquin	Farmington (Hartford,CT)	68
Algonquin	Portland (Middlesex,CT)	72
Algonquin	Glastonbury (Hartford,CT)	75
Algonquin	Mansfield (Tolland,CT)	76
Algonquin	Cromwell (Middlesex,CT)	78
Algonquin	Hebron (Hartford,CT)	804
Algonquin	Connecticut Natural Gas-CT Meter Station	818
Algonquin	UConn Mansfield (Tolland,CT)	828
Tennessee	Conn NG/TGP Greenwich CT Fairfield	420123
Tennessee	Conn NG/TGP New Britain CT Hartford	420129
Tennessee	Conn NG/TGP Bloomfield CT Hartford	420205
Tennessee	Conn NG/TGP Putnam Lake CT Fairfiel	420217
Tennessee	Conn NG/TGP North Bloomfield CT Har	420453
Tennessee	Conn NG/TGP Farmington CT Hartford	420487

**Maine Natural Gas Corporation (Iberdrola USA)**

**Figure A4-11. Maine Natural Gas Service Territory**



**Table A4-18. ISO-NE Generators Served by Maine Natural Gas**

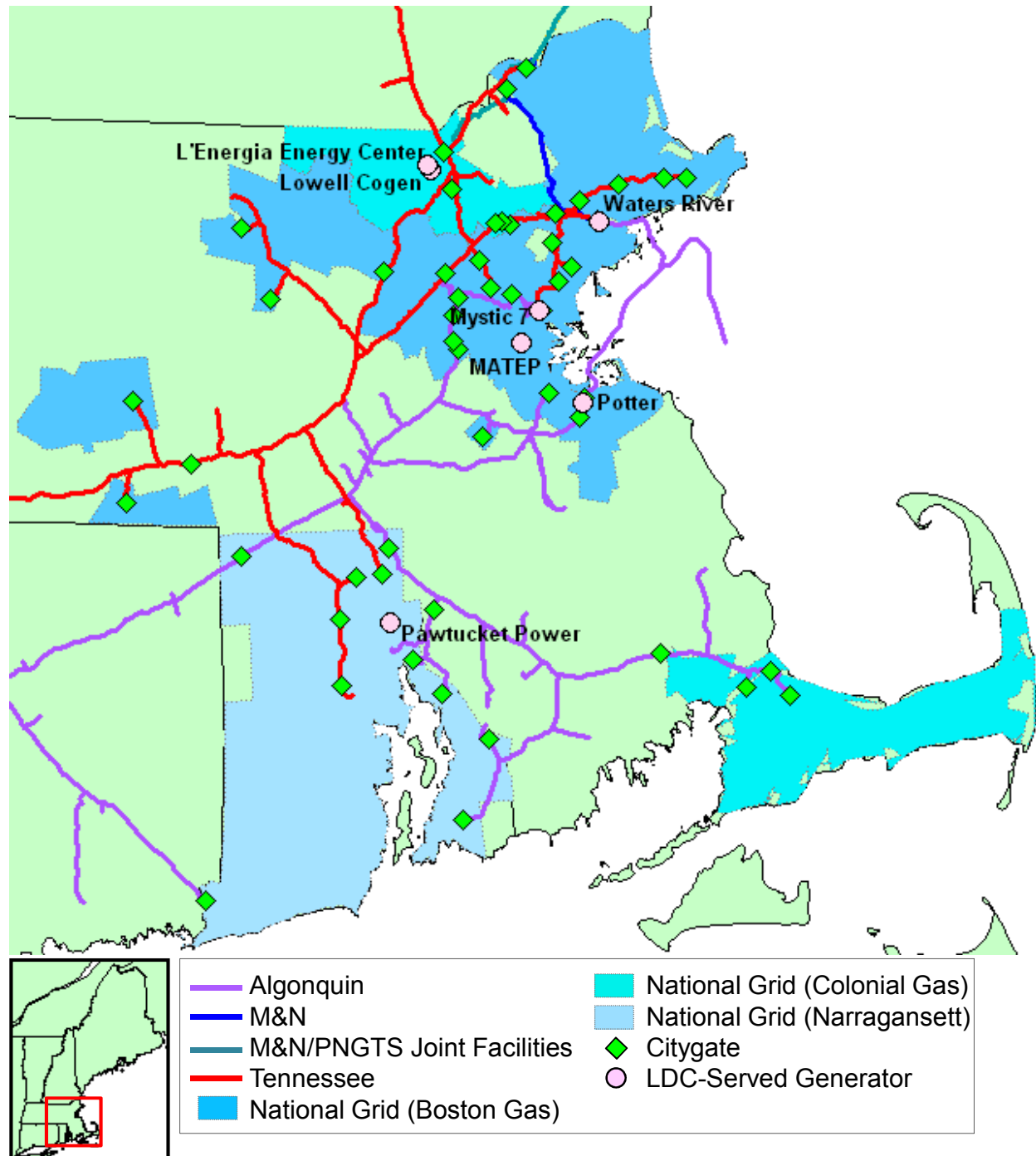
<b>Generator</b>	<b>Capacity (MW)</b>
Westbrook Energy Center	547.6

**Table A4-19. Maine Natural Gas Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
M&N	Maine Natgs	30019
M&N	Maine Natgs	30023
M&N	Maine Natural Gas _ Pownal - Cumberland Co. , ME	30032
M&N	Maine Nat Gas - Windsor, Kennebec Co, ME	30047
PNGTS	Windham	02-0475
PNGTS	Gorham	02-0650

**National Grid**

**Figure A4-12. National Grid<sup>11</sup> Service Territory**



<sup>11</sup> Formerly known as KeySpan Energy Delivery New England, which consolidated the operations of Boston Gas, Colonial Gas, and Narragansett Electric.

**Table A4-20. ISO-NE Generators Served by National Grid**

<b>Generator</b>	<b>Capacity (MW)</b>
L'Energia Energy Center	78.4
Lowell Cogen	30.2
MATEP	48.7
Mystic 7	559.8
Pawtucket Power	60.9
Potter	91.1
Waters River	67.8

**Table A4-21. National Grid Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Algonquin	National Grid-Dey St. (Providence,RI)	4
Algonquin	National Grid-Westerly (Washington,RI)	8
Algonquin	National Grid - E. Providence (Providence,RI)	10
Algonquin	National Grid - Warren (Bristol,RI)	12
Algonquin	National Grid- Portsmouth (Newport,RI)	13
Algonquin	National Grid-Bourne (Barnstable,MA)	18
Algonquin	National Grid- Norwood (Norfolk,MA)	21
Algonquin	National Grid- East Braintree (Norfolk,MA)	23
Algonquin	National Grid- Everett (Middlesex,MA)	27
Algonquin	National Grid-Waltham (Middlesex,MA)	32
Algonquin	National Grid - Tiverton (Newport,RI)	33
Algonquin	National Grid-Burrillville (Providence,RI)	44
Algonquin	National Grid-Sagamore (Barnstable,MA)	51
Algonquin	National Grid-Ponkapoag (Norfolk,MA)	52
Algonquin	National Grid-Weston (Middlesex,MA)	57
Algonquin	National Grid-Barrington (Providence,RI)	64
Algonquin	National Grid-Wellesley (Norfolk,MA)	74
Algonquin	National Grid-Polaroid (Middlesex,MA)	80
Algonquin	National Grid-Potter St. (Norfolk,MA)	81
Algonquin	National Grid-Cumberland (Providence,RI)	83
Algonquin	National Grid-Medford (Middlesex,MA)	89
Algonquin	National Grid-Rochester (Plymouth,MA)	813
Algonquin	National Grid-Weymouth (Norfolk,MA)	827
Algonquin	National Grid-Sandwich (Barnstable,MA)	829
M&N	National Grid-Haverhill Meter Station (Essex,MA)	30027
PNGTS	Haverhill	05-1025
Tennessee	Bostn/TGP Southbridge MA Worcester	420108
Tennessee	Bostn/TGP Clinton MA Worcester	420110
Tennessee	Bostn/TGP Leominster MA Worcester	420111
Tennessee	Bostn/TGP Arlington MA Middlesex	420115

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Tennessee	Bostn/TGP Revere MA Middlesex	420116
Tennessee	Bostn/TGP Lynn MA Essex	420117
Tennessee	Bostn/TGP Beverly Salem MA Essex	420118
Tennessee	Bostn/TGP Gloucester MA Essex	420119
Tennessee	Bostn/TGP Haverhill MA Essex	420122
Tennessee	Bostn/TGP Reading MA Middlesex	420136
Tennessee	Bostn/TGP Wenham MA Essex	420138
Tennessee	Bostn/TGP Tewksbury MA Middlesex	420139
Tennessee	Bostn/TGP Spencer MA Worcester	420191
Tennessee	Bostn/TGP Lexington MA Middlesex	420192
Tennessee	Bostn/TGP Essex MA Essex	420323
Tennessee	Bostn/TGP Burlington MA Middlesex	420341
Tennessee	Bostn/TGP Lynn Field MA Essex	420343
Tennessee	Bostn/TGP West Peabody MA Essex	420389
Tennessee	Bostn/TGP Wilmington MA Middlesex	420532
Tennessee	Bostn/TGP Dracut MA Middlesex	420572
Tennessee	Bostn/TGP Acton Sales Middlesex	420611
Tennessee	Bostn/TGP Peabody Sales Essex	420658
Tennessee	Bostn/TGP Camp Curtis Essex	420808
Tennessee	Bostn/TGP Danvers Essex	420935
Tennessee	Bostn/TGP Lunenburg Worcester	420949
Tennessee	Bostn/TGP Oxford Sales Worcester	421023
Tennessee	Narngst/TGP PawtucketRIProvidence	420135
Tennessee	Narngst/TGP Cranston Sales Providen	420750
Tennessee	Narngst/TGP Lincoln Sms Providence	420758
Tennessee	Narngst/TGP Smithfield Delivery Pro	420910

NSTAR Gas (Northeast Utilities)

Figure A4-13. NSTAR Gas Service Territory

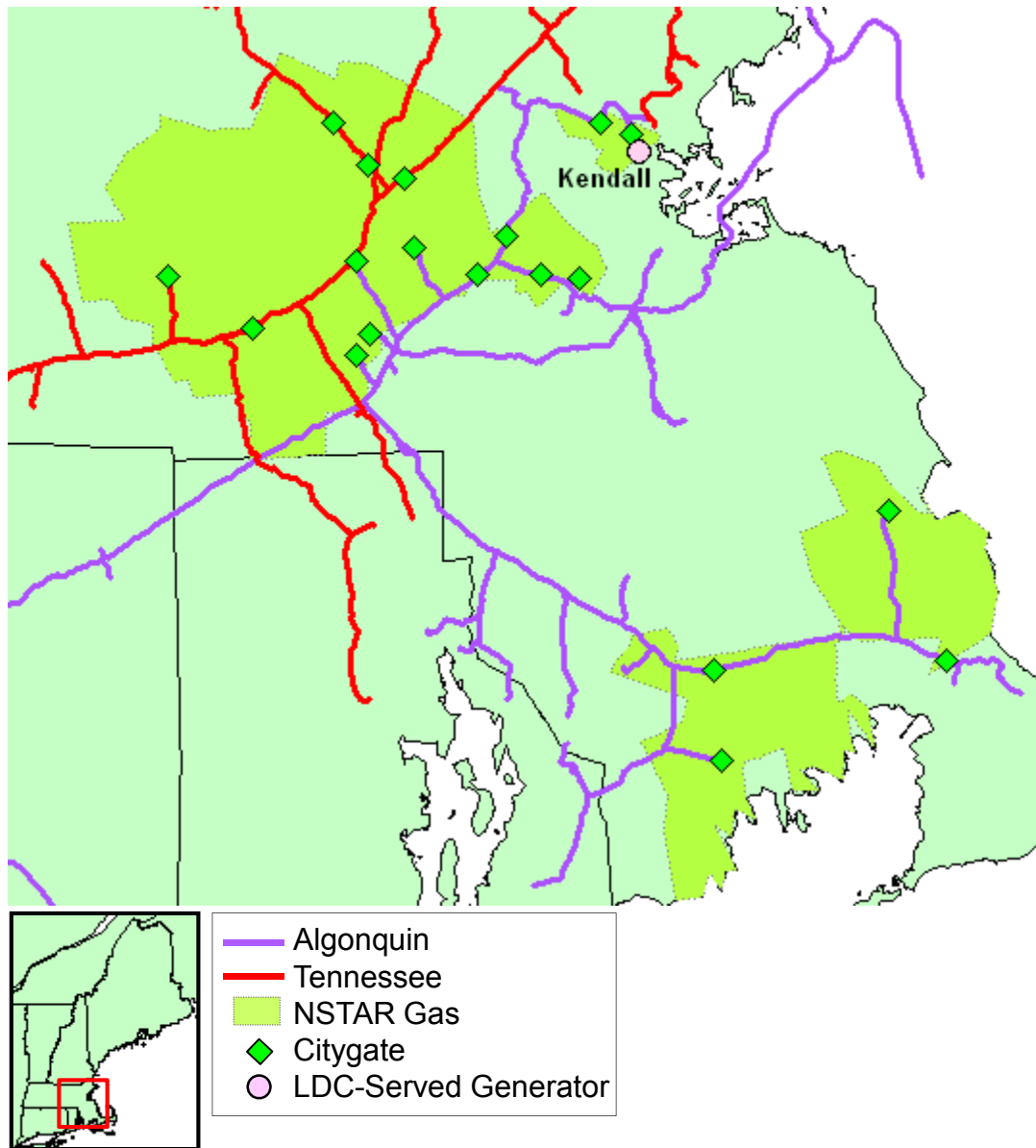


Table A4-22. ISO-NE Generators Served by NSTAR Gas

Generator	Capacity (MW)
Kendall	244.1

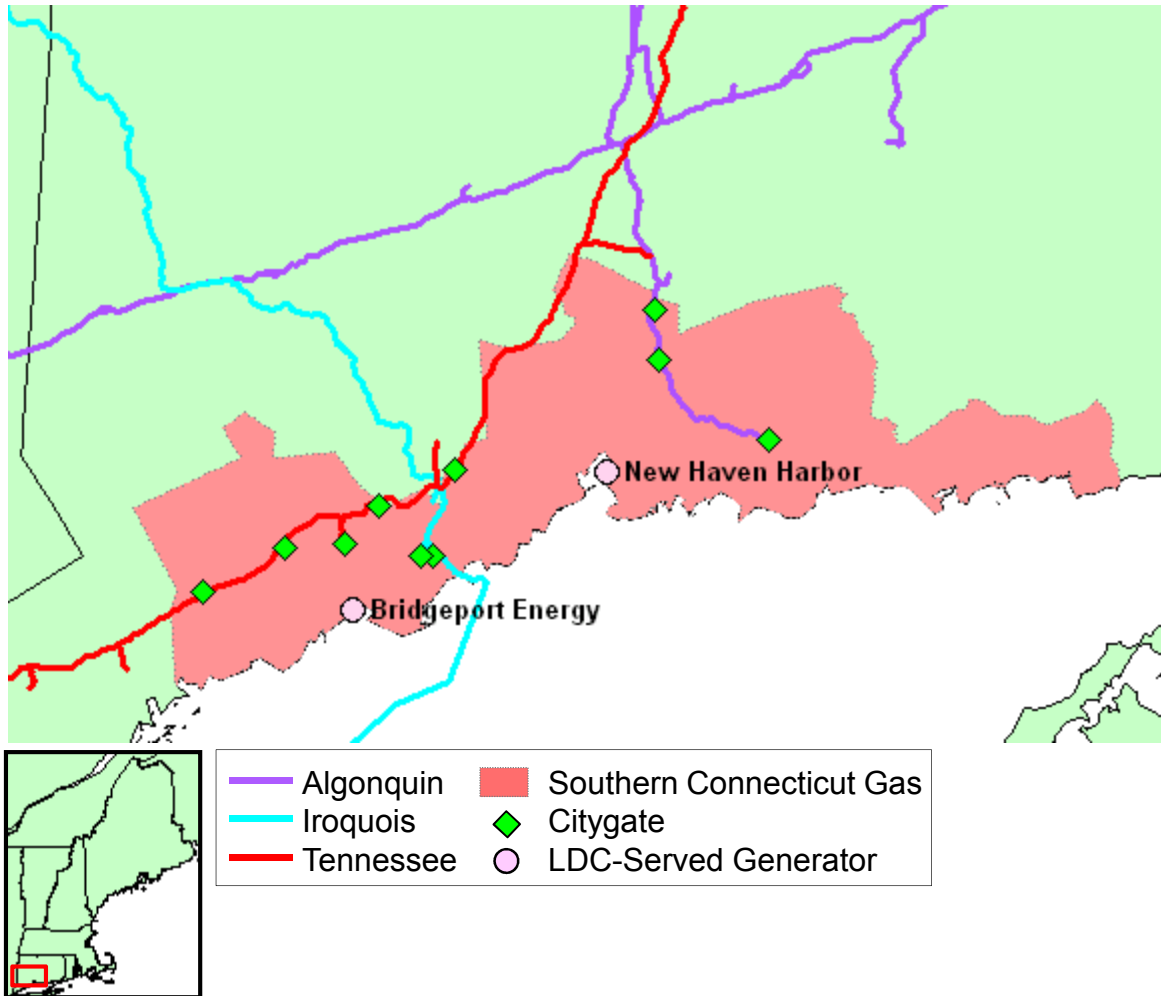


**Table A4-23. NSTAR Gas Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Algonquin	Freetown (Bristol,MA)	15
Algonquin	New Bedford (Bristol,MA)	17
Algonquin	Plymouth (Plymouth,MA)	19
Algonquin	Milford (Worcester,MA)	20
Algonquin	Westwood (Norfolk, MA)	22
Algonquin	Hopedale (Norfolk,MA)	25
Algonquin	Brookford St (Middlesex,MA)	28
Algonquin	Charles River Rd (Norfolk,MA)	38
Algonquin	Ashland (Middlesex,MA)	43
Algonquin	Woodland Rd (Norfolk,MA)	61
Algonquin	Dover (Norfolk,MA)	66
Algonquin	Pinehills Meter - (Plymouth,MA)	821
Algonquin	Mystic (Middlesex,MA)	826
Algonquin	Marathon (Middlesex,MA)	830
Tennessee	NSTAR/TGP Worcester MA Worchester	420109
Tennessee	NSTAR/TGP Hudson MA Middlesex	420204
Tennessee	NSTAR/TGP Farnumsville MA Worcheste	420259
Tennessee	NSTAR/TGP Hopkinton Middlesex	420509
Tennessee	NSTAR/TGP Marlborough Middlesex	421007
Tennessee	NSTAR/TGP Route 9 Framingham Middle	421035

**Southern Connecticut Gas (UIL Holdings)**

**Figure A4-14. Southern Connecticut Gas Service Territory**



**Table A4-24. ISO-NE Generators Served by Southern Connecticut Gas**

<b>Generator</b>	<b>Capacity (MW)</b>
Bridgeport Energy	533.7
New Haven Harbor	599.2

**Table A4-25. Southern Connecticut Gas Citygate Stations**

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Algonquin	North Haven (New Haven)	3
Algonquin	Milford, Ct.	14
Algonquin	Guilford (New Haven,Ct)	30
Algonquin	Defco (New Haven,Ct)	77
Algonquin	North Haven Low Pressure (New Haven,Ct)	807
Iroquois	Milford	68101
Iroquois	Stratford → River Road	245206
Tennessee	Conn NG/TGP Bridgeport CT Fairfield	420126
Tennessee	Conn NG/TGP Bloomfield CT Hartford	420205
Tennessee	Conn NG/TGP Trumbull CT Fairfield	420313
Tennessee	Conn NG/TGP Milford CT New Haven	420425
Tennessee	Conn NG/TGP West Port CT Fairfield	420490
Tennessee	Conn NG/TGP Easton Sms Fairfield	420853

Yankee Gas Services Company (Northeast Utilities)

Figure A4-15. Yankee Gas Service Territory

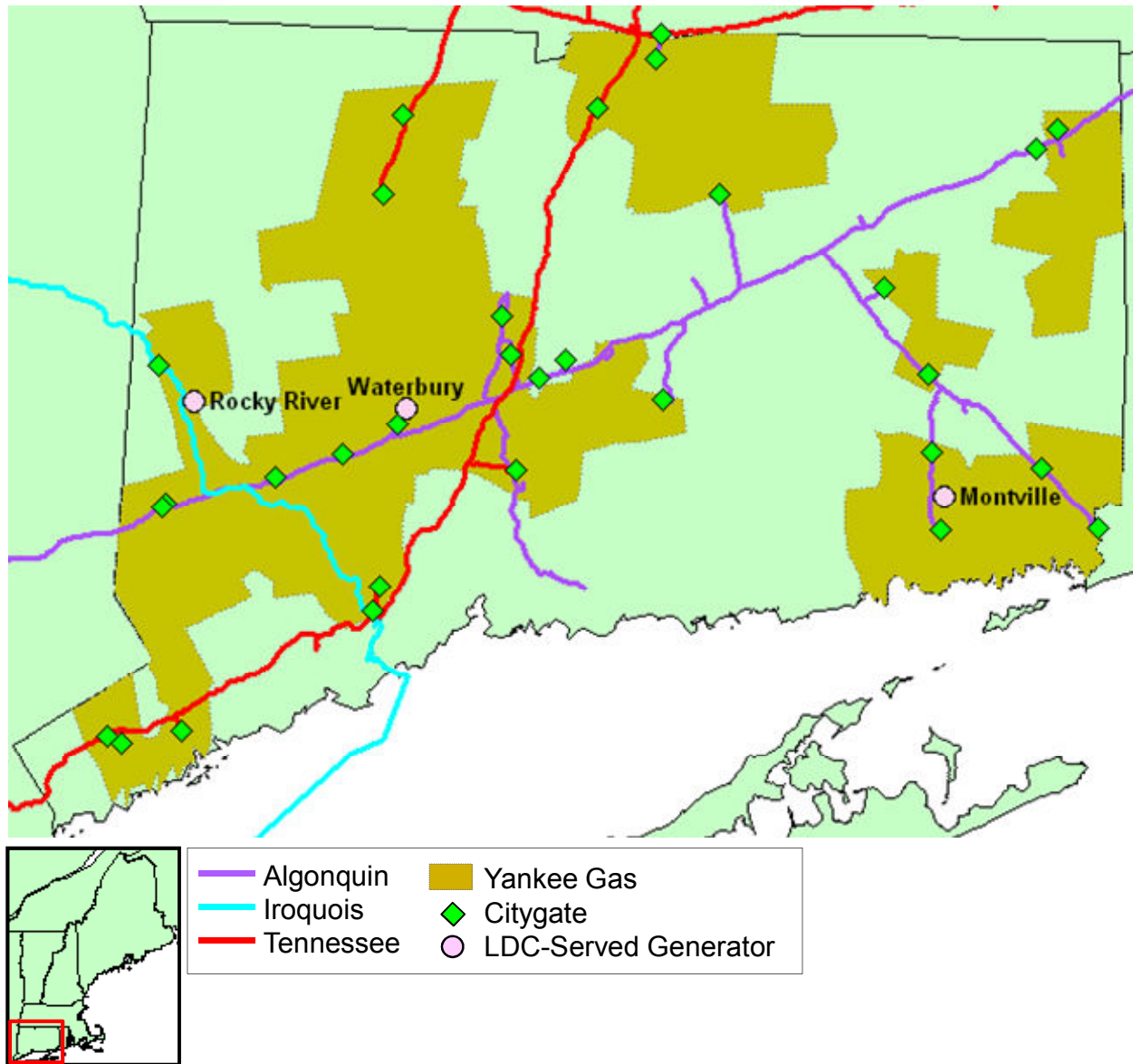


Table A4-26. ISO-NE Generators Served by Yankee Gas

Generator	Capacity (MW)
Montville	81.6
Kimberly Clark (Rocky River)	15.1
Waterbury	98.7

Table A4-27. Yankee Gas Citygate Stations

<b>Pipeline</b>	<b>Meter Name</b>	<b>Meter Number</b>
Algonquin	Waterbury (New Haven,CT)	2
Algonquin	Willimantic (New Haven, Ct)	5
Algonquin	Waterford (New London,CT)	7
Algonquin	Putnam (Windham,CT)	9
Algonquin	Kennington (New Haven,CT)	31
Algonquin	Pomfret (Windham,CT)	50
Algonquin	Montville (New London,CT)	59
Algonquin	Southington (Hartford,CT)	60
Algonquin	Vernon (Tolland,CT)	62
Algonquin	Danbury (Fairfield,CT)	63
Algonquin	Oxford (New Haven, Ct)	69
Algonquin	Southbury (New Haven,CT)	79
Algonquin	Stonington (New London,CT)	82
Algonquin	Bristol (Hartford,CT)	85
Algonquin	East To West Montville	259
Algonquin	Franklin (New London,CT)	805
Algonquin	Middletown - Yankee Energy Systems - Cromwell (Fairfield,CT)	819
Algonquin	West Danbury (Fairfield,CT)	835
Iroquois	New Milford	67578
Iroquois	Shelton B	68100
Tennessee	Yank Gas/TGP Stanford CT Fairfield	420124
Tennessee	Yank Gas/TGP Norwalk CT Fairfield	420125
Tennessee	Yank Gas/TGP Derby CT Fairfield	420127
Tennessee	Yank Gas/TGP Wallingford CT New Hav	420128
Tennessee	Yank Gas/TGP Winsted CT Litchfield	420130
Tennessee	Yank Gas/TGP Torrington CT Litchfie	420131
Tennessee	Yank Gas/TGP Danbury CT Fairfield	420286
Tennessee	Yank Gas/TGP Thompsonville CT Exch	420318
Tennessee	Yank Gas/TGP Long Ridge CT Fairfiel	420434
Tennessee	Yank Gas/TGP East Granby Sales Hart	420637
Tennessee	Yank Gas/TGP Thompsonville No. 2 Bo	421076