

Appendix 5. Gas Infrastructure Serving Generation inTVA

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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)

American Midstream (AlaTenn)

Capacity: 206 MDth/d¹

American Midstream’s AlaTenn system interconnects with Tennessee and delivers gas to customers in northwestern Alabama,

Figure A5-1. American Midstream (AlaTenn) Facilities

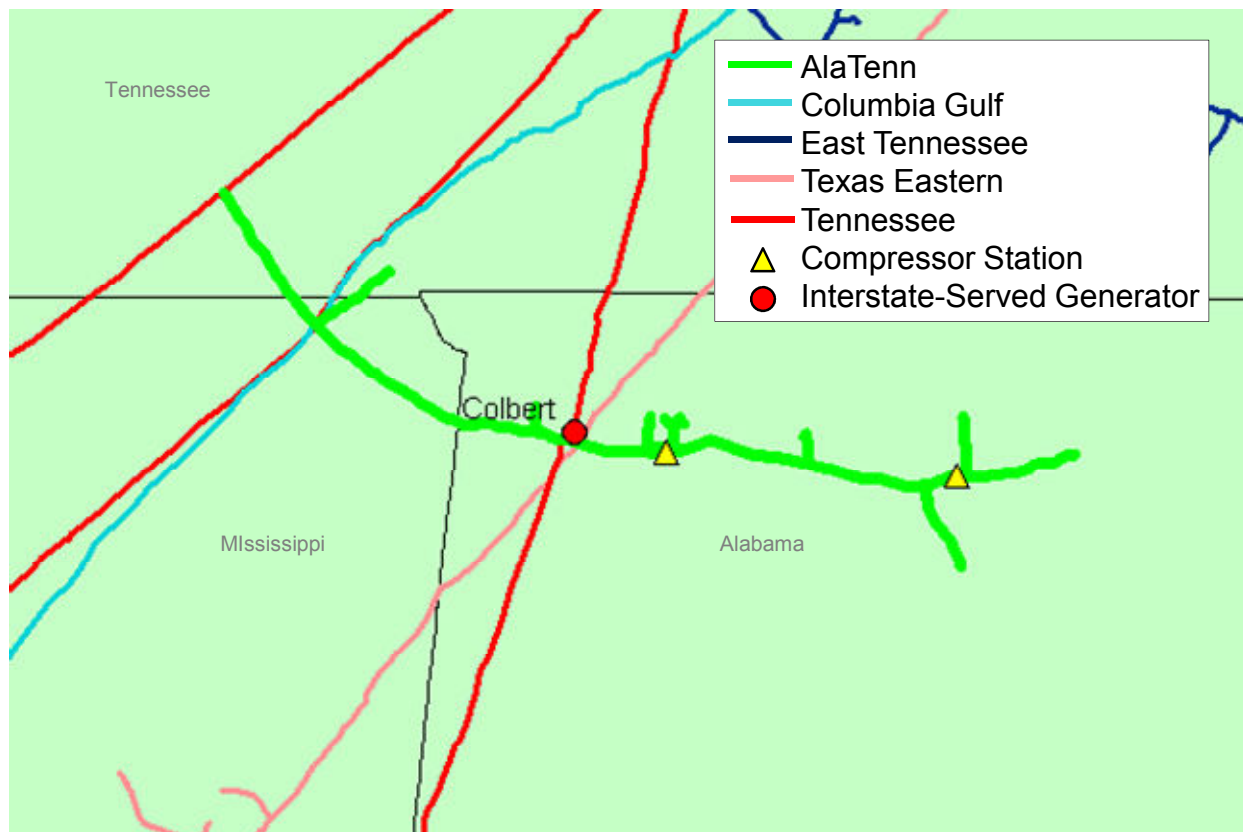


Table A5-1. TVA Generators Directly Connected to AM AlaTenn

Generator	Capacity (MW)	Meter Name	Meter Number
Colbert	464	TVA Turbines Delivery	124103

¹ Because AM AlaTenn is dependent on delivery pressures from Columbia, Tennessee and Texas Eastern, it normally operates at a much lower volume of flow. The total firm transportation service reported to FERC in 2013 was 56 MDth/d.

Table A5-2. AM AlaTenn Compressor Stations in TVA
(sorted West to East)

Name	Location
Colbert	Muscle Shoals, AL
Decatur	Tanner, AL

ANR Pipeline Company (TransCanada)

Capacity: 8,552 MDth/d

Figure A5-2. ANR Facilities in TVA

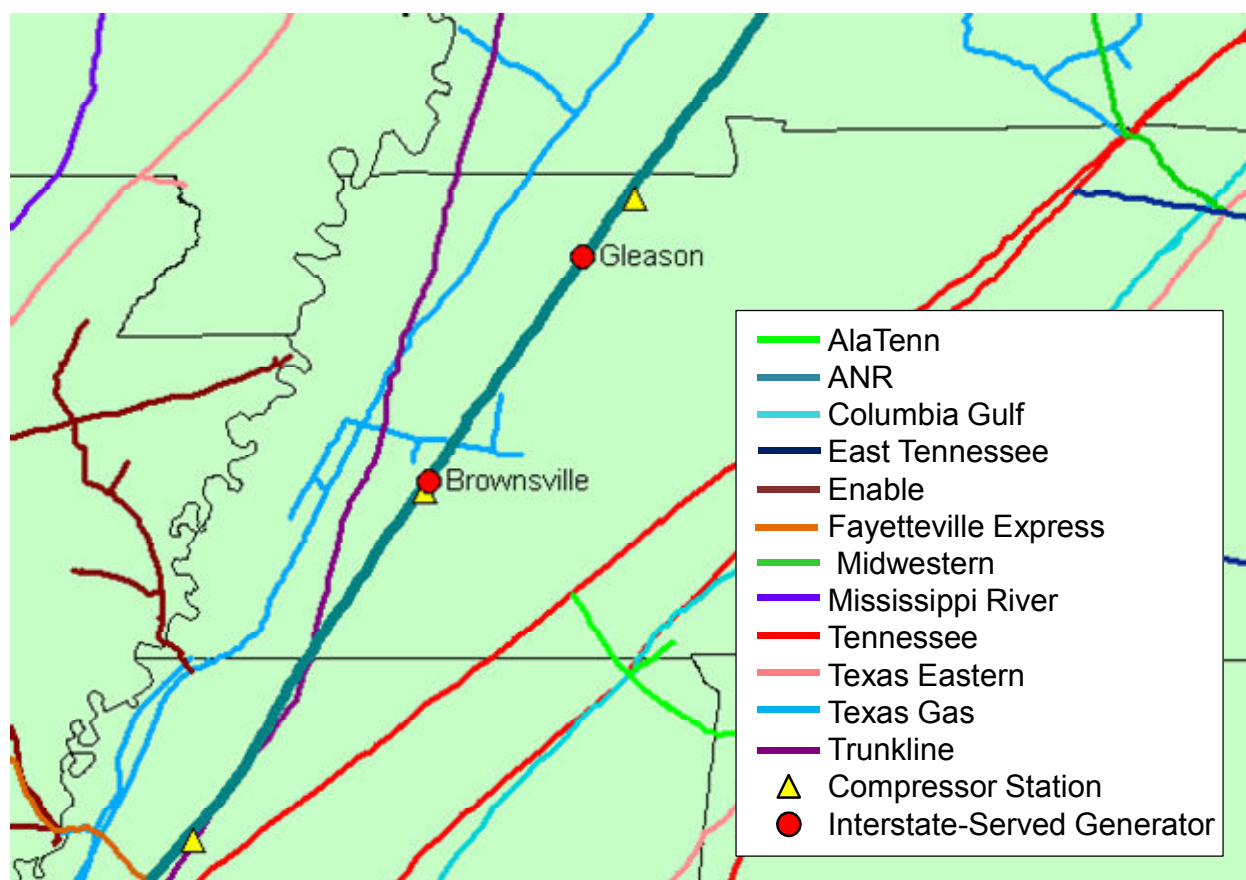


Table A5-3. TVA Generators Directly Connected to ANR

Generator	Capacity (MW)	Meter Name	Meter Number
Brownsville	496	Brownsville Interconnect	261572
Gleason	360	Weakley County Int	274229

Table A5-4. ANR Compressor Stations in TVA
(sorted West to East)

Name	Location
Sardis	Sardis, MS
Brownsville	Brownsville, TN
Cottage Grove	Cottage Grove, TN

Columbia Gulf Transmission (NiSource)

Capacity: 10,000 MDth/d

Figure A5-3. Columbia Gulf Facilities in TVA

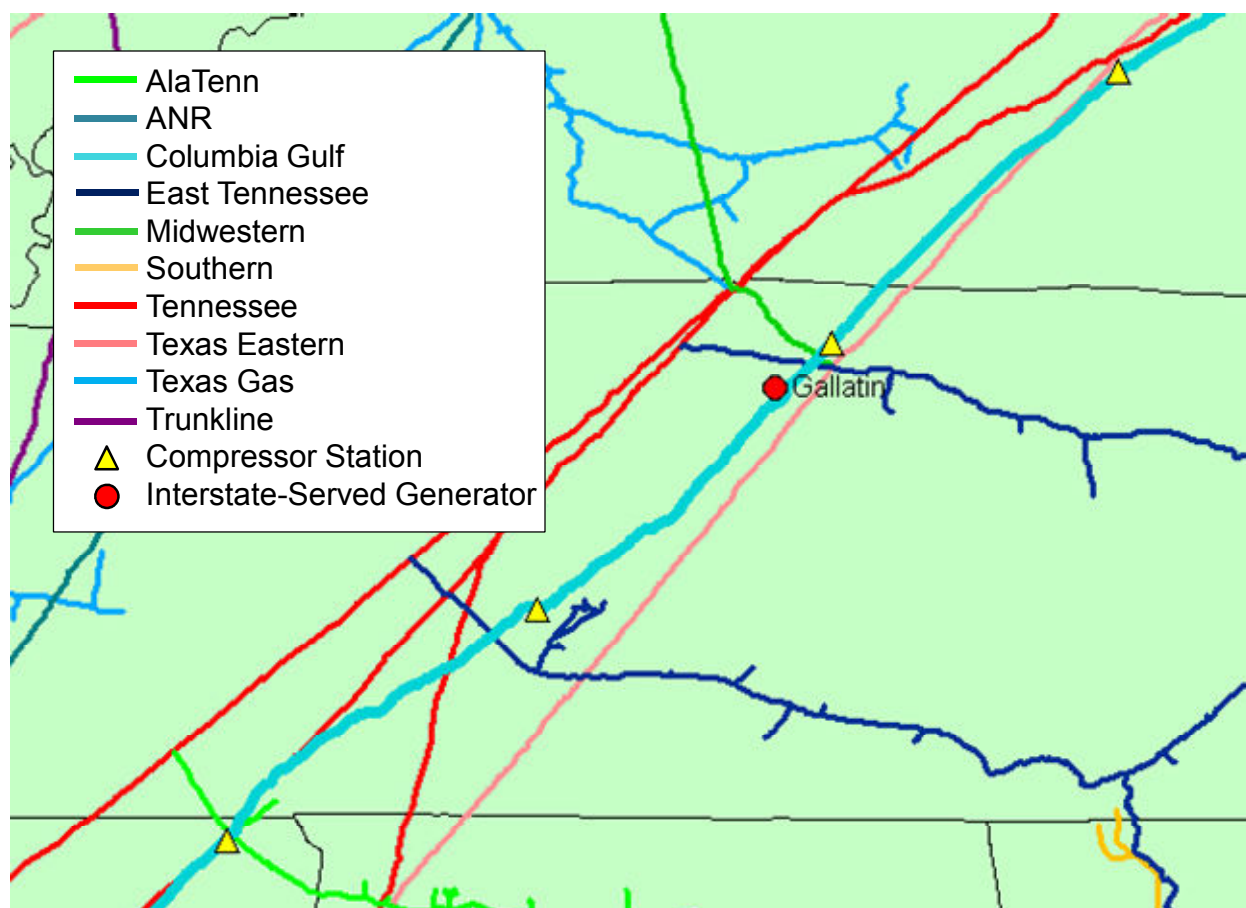


Table A5-5. TVA Generators Directly Connected to Columbia Gulf

Generator	Capacity (MW)	Meter Name	Meter Number
Gallatin	752	TVA -- Wilson	4153

Table A5-6. Columbia Gulf Compressor Stations in TVA
(sorted West to East)

Name	Location
Corinth	Corinth, MS
Hampshire	Hampshire, TN
Hartsville	Hartsville, TN
Liberty	Liberty, KY

East Tennessee Natural Gas (Spectra Energy)

Capacity: 1,718 MDth/d

Figure A5-4. East Tennessee Facilities in TVA

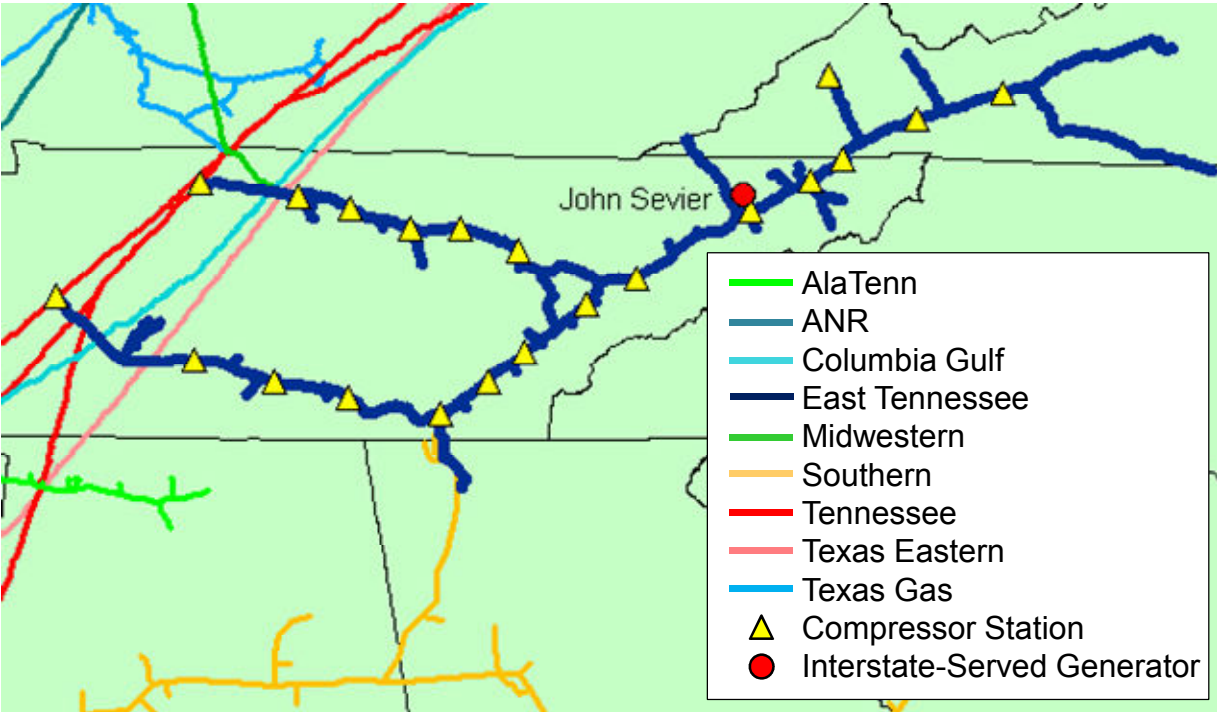


Table A5-7. TVA Generators Directly Connected to East Tennessee

Generator	Capacity (MW)	Meter Name	Meter Number
John Sevier	955	TVA - John Sevier	59219

Table A5-8. East Tennessee Compressor Stations in TVA
(sorted West to East)

Name	Location
Lobelville (south line)	Lobelville, TN
Ridgetop (north line)	Greenbrier, TN
Lewisburg (south line)	Belfast, TN
Estill Springs (south line)	Winchester, TN
Dixon Springs (north line)	Hartsville, TN
Tracy City (south line)	Jasper, TN
Gainesboro (north line)	Gainesboro, TN
Monterey (north line)	Monterey, TN
Ooltewah (south line)	Ooltewah, TN
Clark Range (north line)	Clark Range, TN
Calhoun (south line)	Calhoun, TN
Madisonville (south line)	Madisonville, TN
Wartburg (north line)	Wartburg, TN
Maryville (south line)	Maryville, TN
Boyd Creek	Sevierville, TN
Flatwoods	Mosheim, TN
Fordtown	Kingsport, TN
Nora (lateral)	Nora, VA
Bristol	Bristol, TN
Glade Spring	Glade Spring, VA
Rural Retreat	Rural Retreat, VA

Midwestern Gas Transmission (ONEOK)

Capacity: 514 MDth/d (South to North) / 635 MDth/d (North to South)

Midwestern operates primarily in the Kentucky portion of TVA, and does not serve any electric generators in the region.

Figure A5-5. Midwestern Facilities in TVA

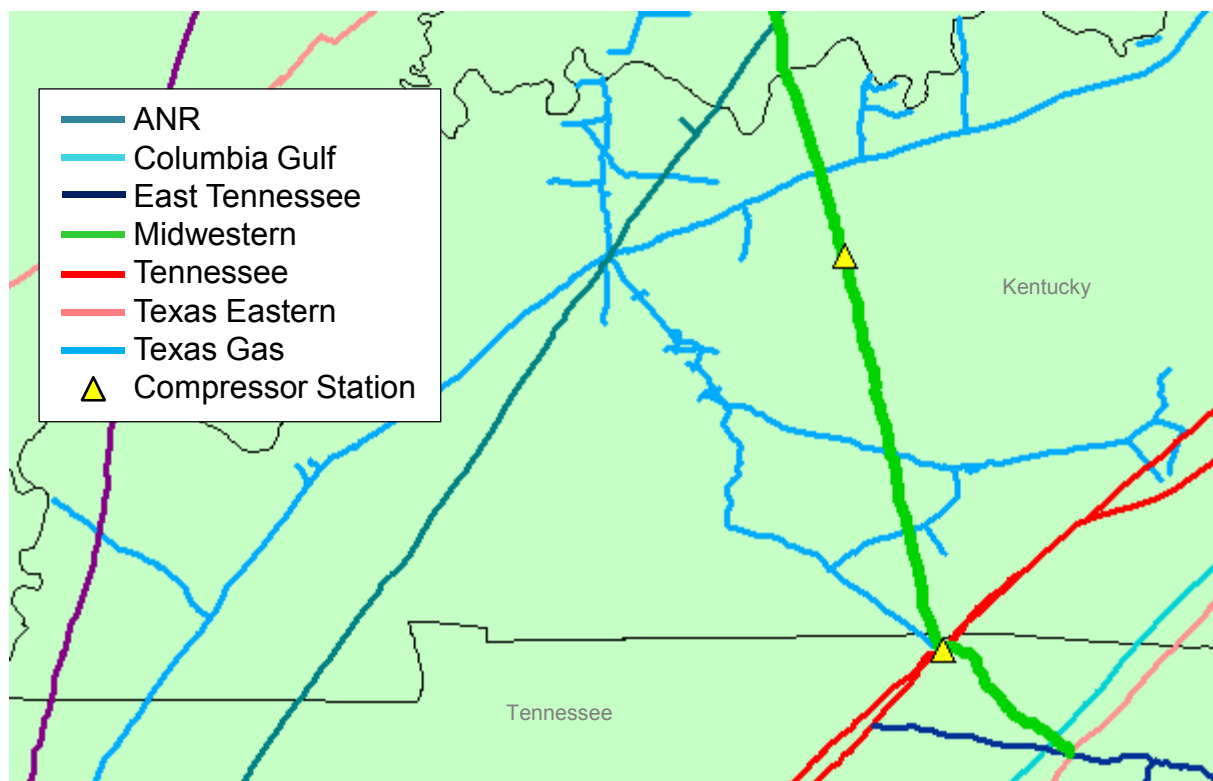


Table A5-9. Midwestern Compressor Stations in TVA
(sorted North to South)

Name	Location
Hartford	Hartford, KY
Portland	Portland, TN

Southern Natural Gas (Kinder Morgan)

Capacity: 3,940 MMBcf/d

Figure A5-6. Southern Natural Gas Facilities in TVA

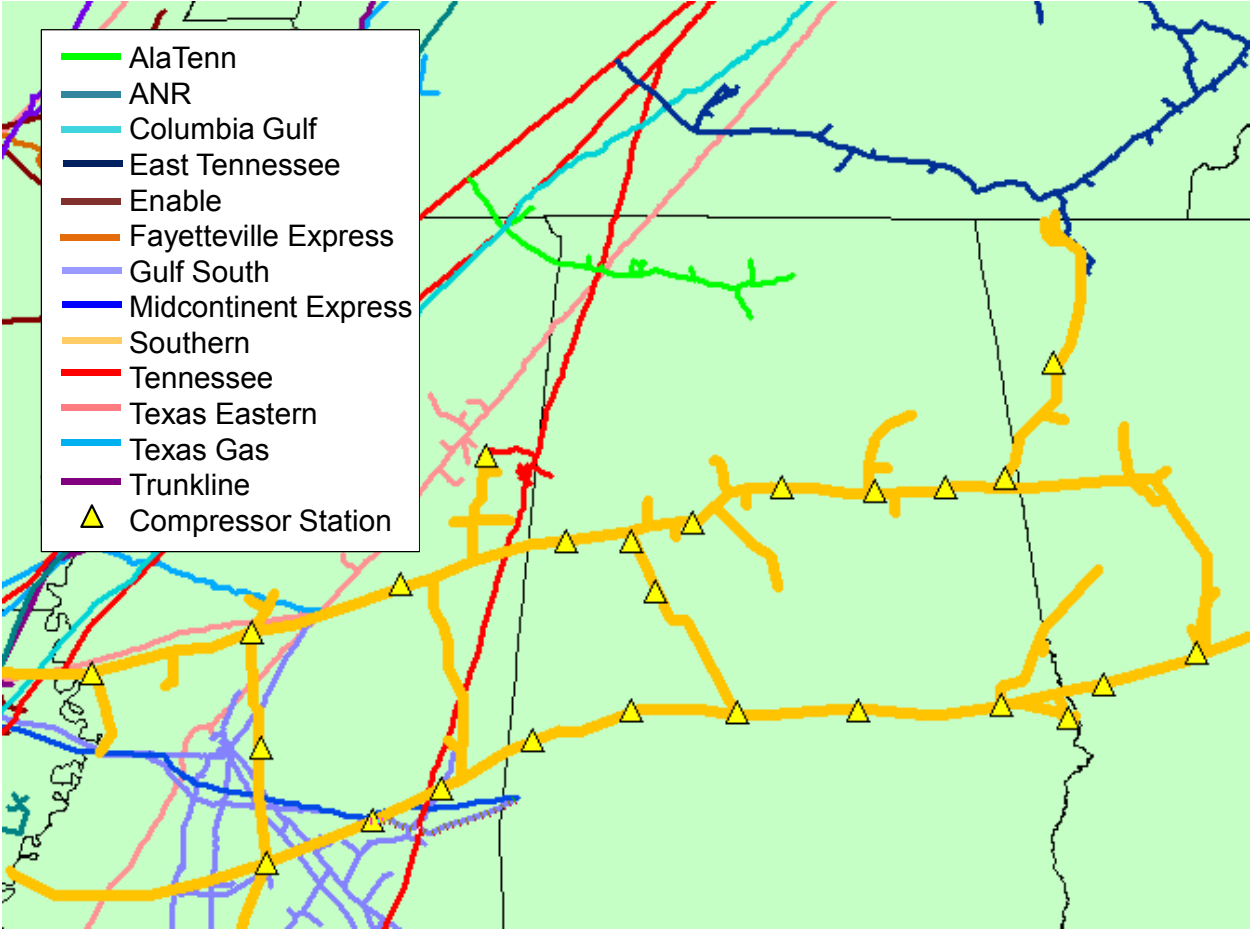


Table A5-10. Southern Compressor Stations in TVA
(sorted West to East)

Name	Location
Onward (north line)	Cary, MS
Pickens (north line)	Pickens, MS
Rankin (cross line)	Brandon, MS
Gwinville (south line)	Gwinville, MS
Bay Springs (south line)	Bay Springs, MS
Louisville (north line)	Louisville, MS)
Enterprise (south line)	Enterprise, MS
Muldon Storage (north lateral)	Prairie, MS
York (south line)	York, AL
Reform (north line)	Reform, AL
Gallion (south line)	Gallion, AL
McConnell (north line)	Northport, AL
Duncanville (cross line)	Duncanville, AL
Providence (north line)	Providence, AL
Selma (south line)	Selma, AL
Tarrant (north line)	Tarrant, AL
Elmore (south line)	Elmore, AL
Pell City (north line)	Pell City, AL
Dearmanville (north line)	Anniston, AL
Auburn (south line)	Auburn, AL
Bell Mills (north line)	Heflin, AL
Rome (north line)	Rome, GA
Holy Trinity (south lateral)	Holy Trinity, AL
Ellerslie (south line)	Ellerslie, GA
Thomaston (south line)	Thomaston, GA

Tennessee Gas Pipeline (Kinder Morgan)

Capacity: 3,356 MDth/d at Station 87 in northern Tennessee

Figure A5-7. Tennessee Facilities in TVA

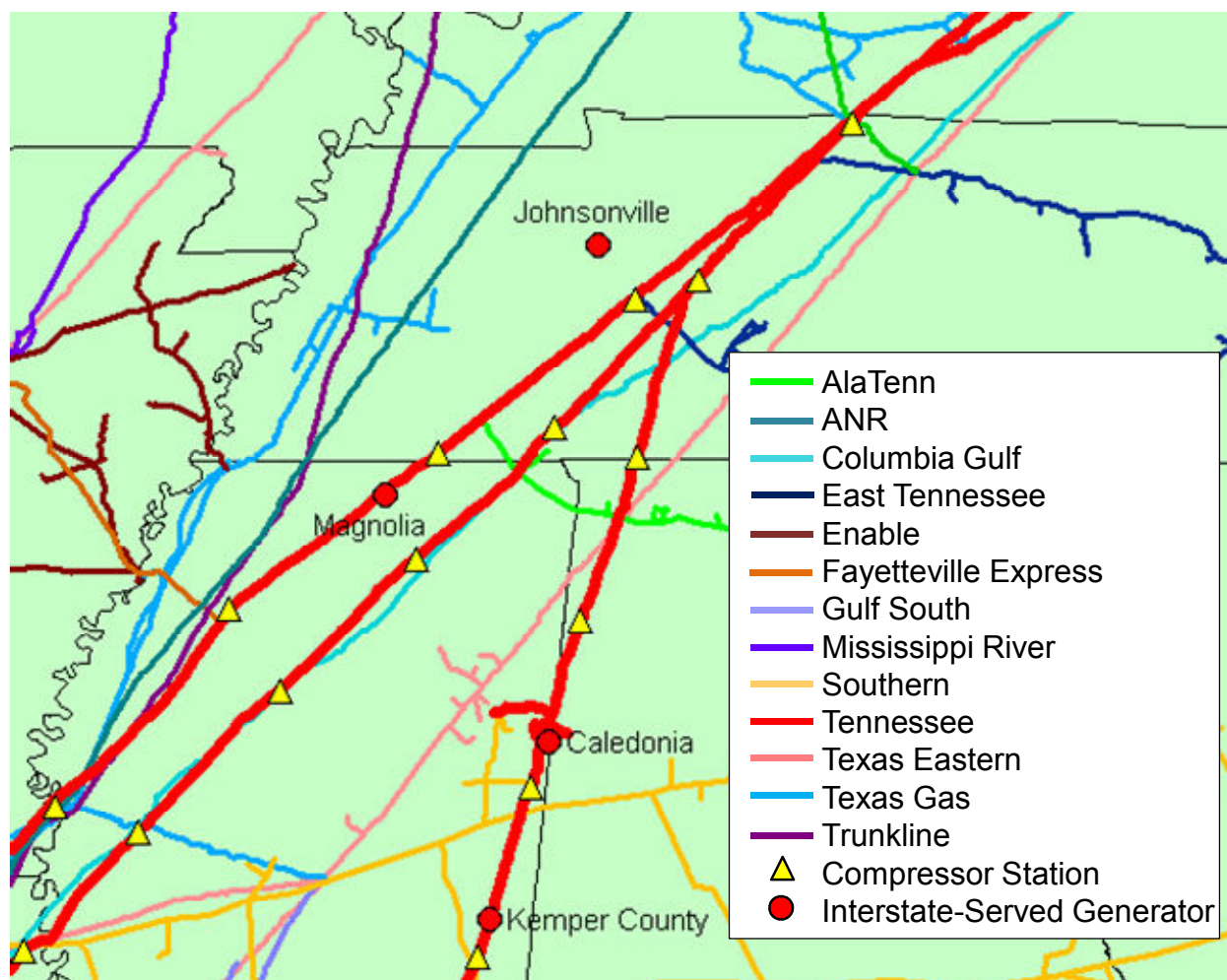


Table A5-11. TVA Generators Directly Connected to Tennessee

Generator	Capacity (MW)	Meter Name	Meter Number
Caledonia	816	Cal Gen/TGP Lowndes	421003
Johnsonville ²	1,440	TVA/TGP Johnsonville Hickman	420907
Kemper County	384	TVA/TGP Kemper	420937
Magnolia	999	TVA/TGP Magnolia Benton	420948

² The Johnsonville power plant is connected to Tennessee by a 28-mile shipper-owned lateral.

Table A5-12. Tennessee Compressor Stations in TVA
(sorted West to East)

Name	Location
Station 838 (central line)	Lake Providence, LA
Station 54 (west line)	Greenville, MS
Station 843 (central line)	Isola, MS
Station 63 (west line)	Batesville, MS
Station 847 (central line)	Grenada, MS
Station 851 (central line)	New Albany, MS
Station 71 (north line)	Middleton, TN
Station 542 (east line)	Dekalb, MS
Station 546 (east line)	Columbus, MS
Station 856 (central line)	Savannah, TN
Station 550 (east line)	Hamilton, AL
Station 79 (west line)	Lobelville, TN
Station 555 (east line)	Collinwood, TN
Station 860 (east line)	Centerville, TN
Station 87	Portland, TN

Texas Eastern Transmission (Spectra Energy)

Capacity: 7,999 MDth/d (Mainline) / 967 MDth/d (Lateral)

Texas Eastern transports gas through TVA from southwest to northeast, and does not serve any gas-fired generation in TVA.

Figure A5-8. Texas Eastern Facilities in TVA

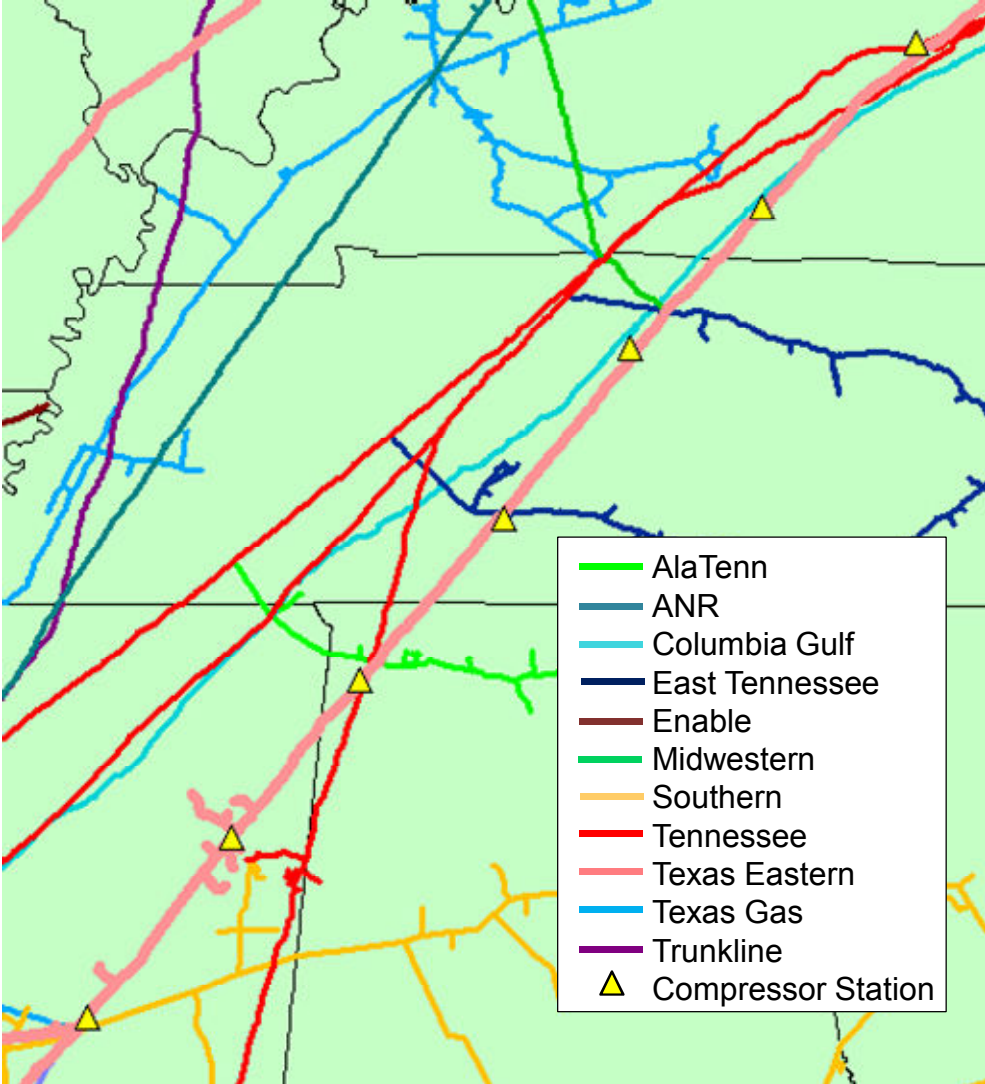


Table A5-13. Texas Eastern Compressor Stations in TVA
(sorted West to East)

Name	Location
Kosciusko	Kosciusko, MS
Egypt	Egypt, MS
Barton	Barton, AL
Mt. Pleasant	Mt. Pleasant, TN
Gladeville	Gladeville, TN
Tompkinsville	Summer Shade, KY
Danville	Danville, KY

Texas Gas Transmission (Boardwalk Pipeline Partners)

Capacity: 4,592 MDth/d

Figure A5-9. Texas Gas Facilities in TVA

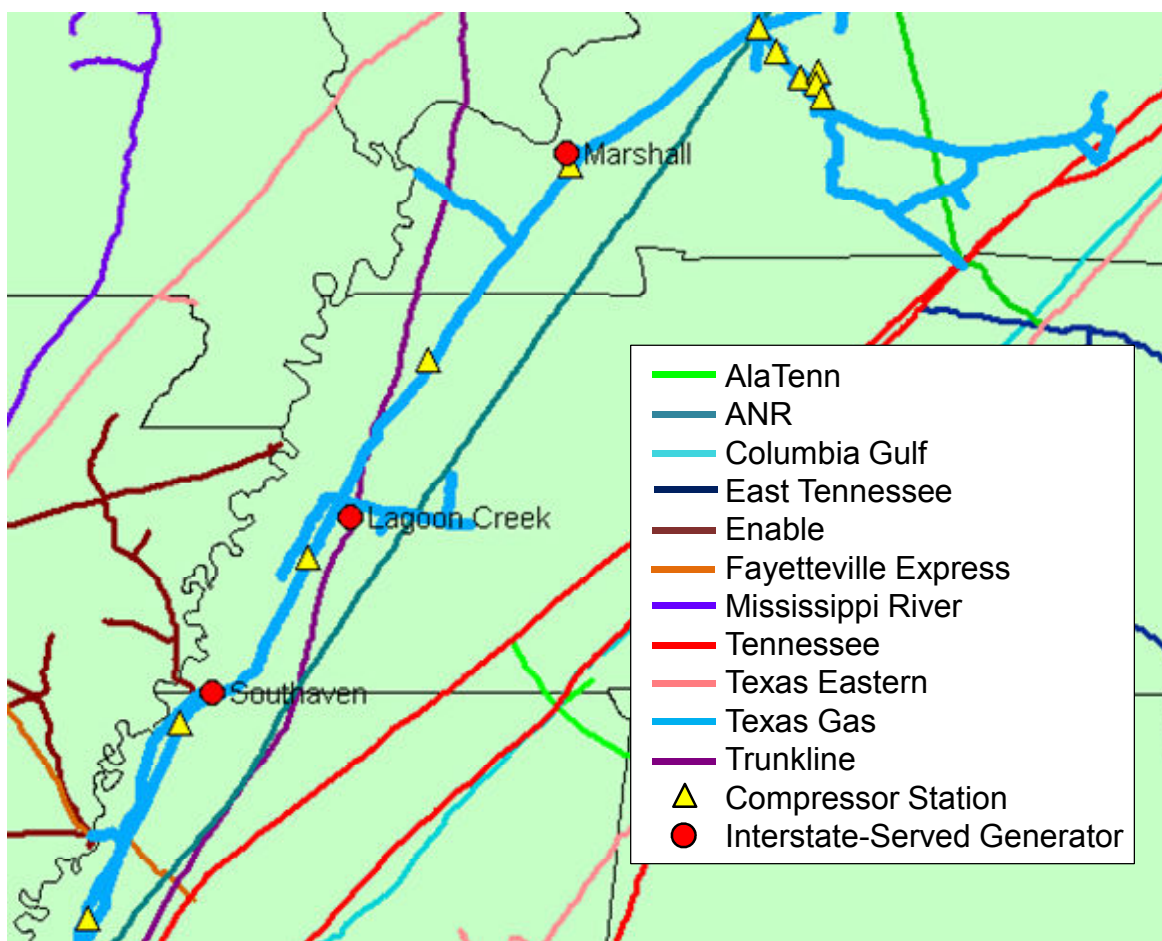


Table A5-14. TVA Generators Directly Connected to Texas Gas

Generator	Capacity (MW)	Meter Name	Meter Number
Lagoon Creek	1,160	TVA-Lagoon Creek	9588
Marshall County	768	Duke Energy-Marshall Cty	9908
Southaven	852	TVA-Southaven	9198

Table A5-15. Texas Gas Compressor Stations in TVA
(sorted West to East)

Name	Location
Clarksdale	Clarksdale, MS
Lake Cormorant	Lake Cormorant, MS
Covington	Covington, TN
Kenton	Kenton, TN
Calvert City	Benton, KY
Slaughters	Slaughters, KY
Hanson	Hanson, KY
Midland 3	Bremen, KY
West Greenville	Greenville, KY
Midland 2	Bremen, KY
Graham Lake	Greenville, KY

Trunkline Gas (Energy Transfer Partners)

Capacity: 1,680 MDth/d

Figure A5-10. Trunkline Facilities in TVA

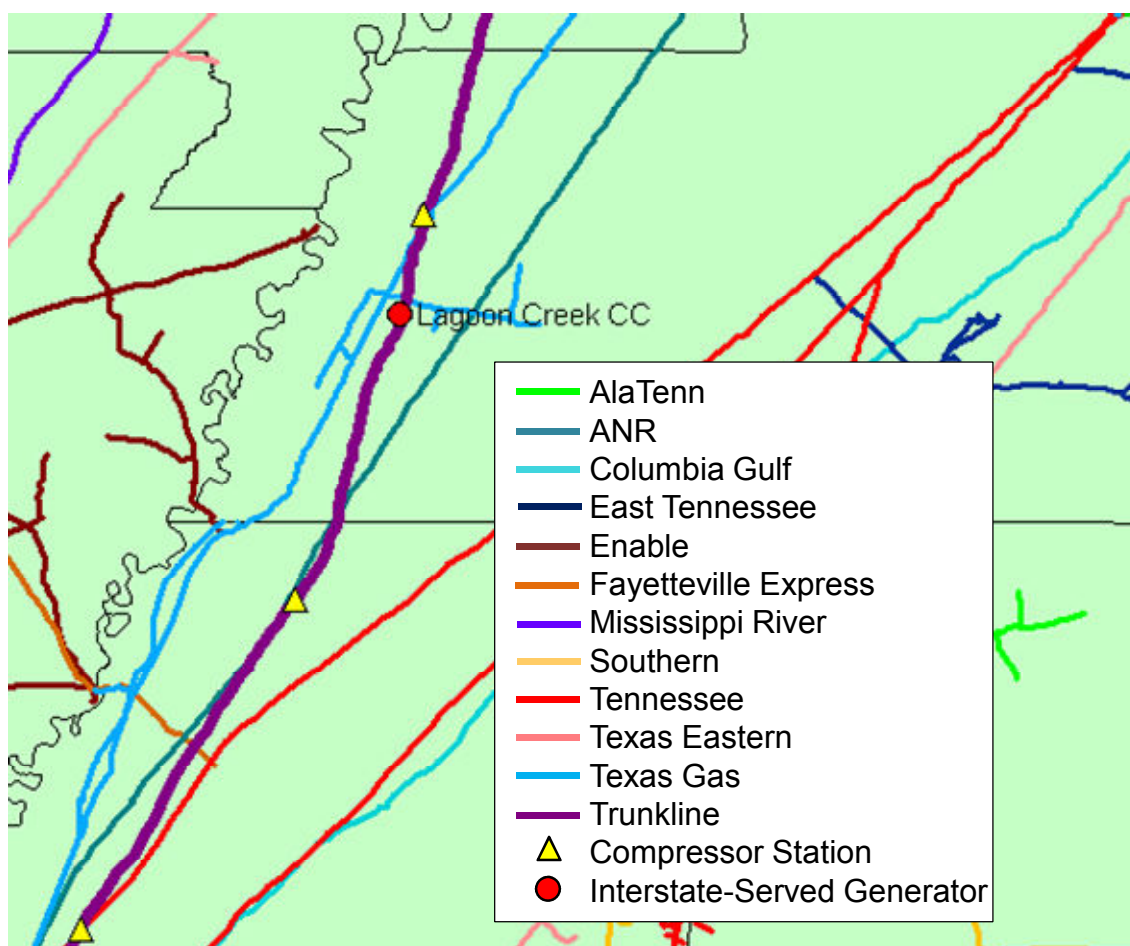


Table A5-16. TVA Generators Directly Connected to Trunkline

Generator	Capacity (MW)	Meter Name	Meter Number
Lagoon Creek CC	622	Lagoon Creek - TVA	TVALC

Table A5-17. Trunkline Compressor Stations in TVA
(sorted North to South)

Name	Location
Dyersburg	Dyersburg, TN
Independence	Independence, MS
Shaw	Shaw, MS

Memphis Light Gas & Water

Figure A5-11. Memphis Light Gas & Water Service Territory

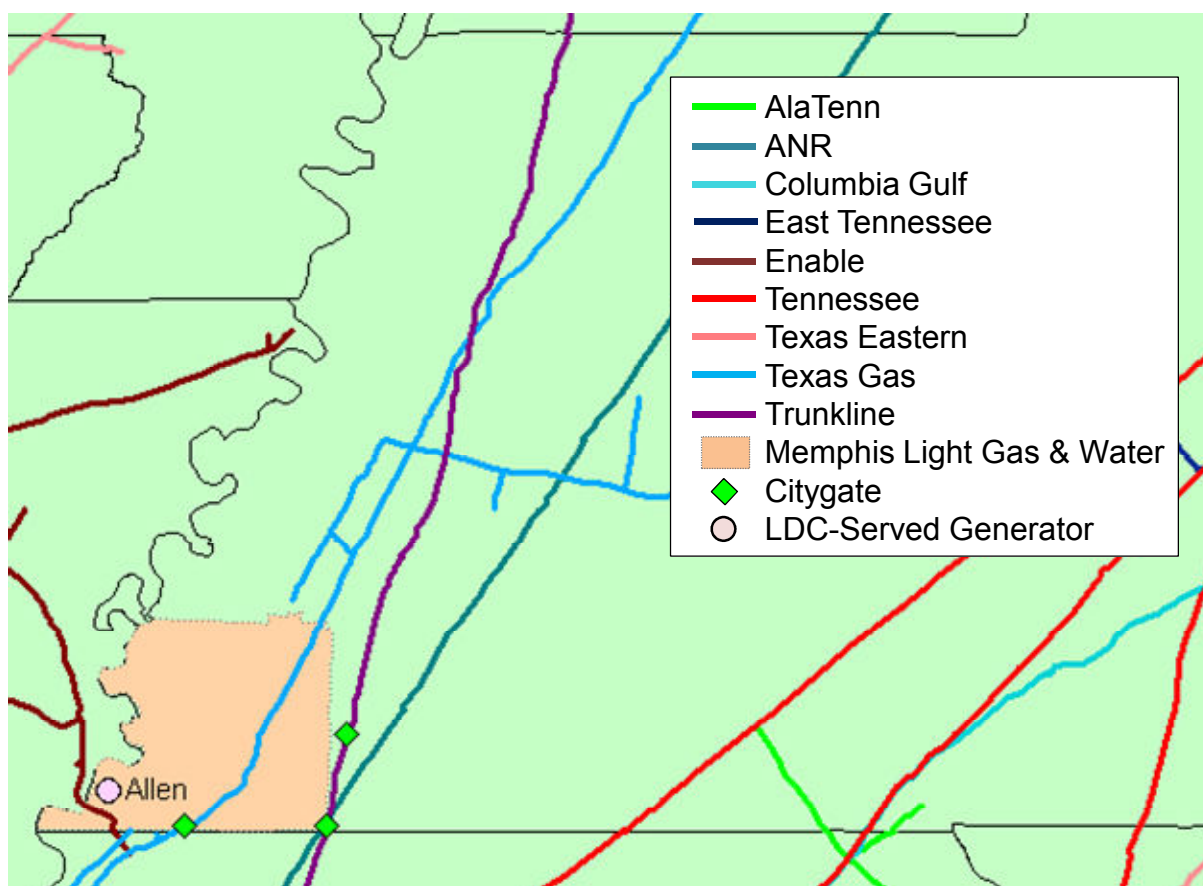


Table A5-18. TVA Generators Served by Memphis Light Gas & Water

Generator	Capacity (MW)
Allen	572

Table A5-19. Memphis Light Gas & Water Citygate Stations

Pipeline	Meter Name	Meter Number
ANR	Collierville Gate	416969
Texas Gas ³	Memphis	1600
Trunkline	Memphis LGW	93069

³ Texas Eastern is the principal supply source for the Allen plant.