

**Appendix 5. Gas Infrastructure Serving Generation inTVA**

**Table of Contents**

American Midstream (AlaTenn).....	1
ANR Pipeline Company (TransCanada).....	2
Columbia Gulf Transmission (NiSource).....	4
East Tennessee Natural Gas (Spectra Energy).....	6
Midwestern Gas Transmission (ONEOK).....	8
Southern Natural Gas (Kinder Morgan) .....	9
Tennessee Gas Pipeline (Kinder Morgan).....	10
Texas Eastern Transmission (Spectra Energy).....	13
Texas Gas Transmission (Boardwalk Pipeline Partners).....	15
Trunkline Gas (Energy Transfer Partners).....	17
American Midstream (Bamagas).....	18
Memphis Light Gas & Water.....	19

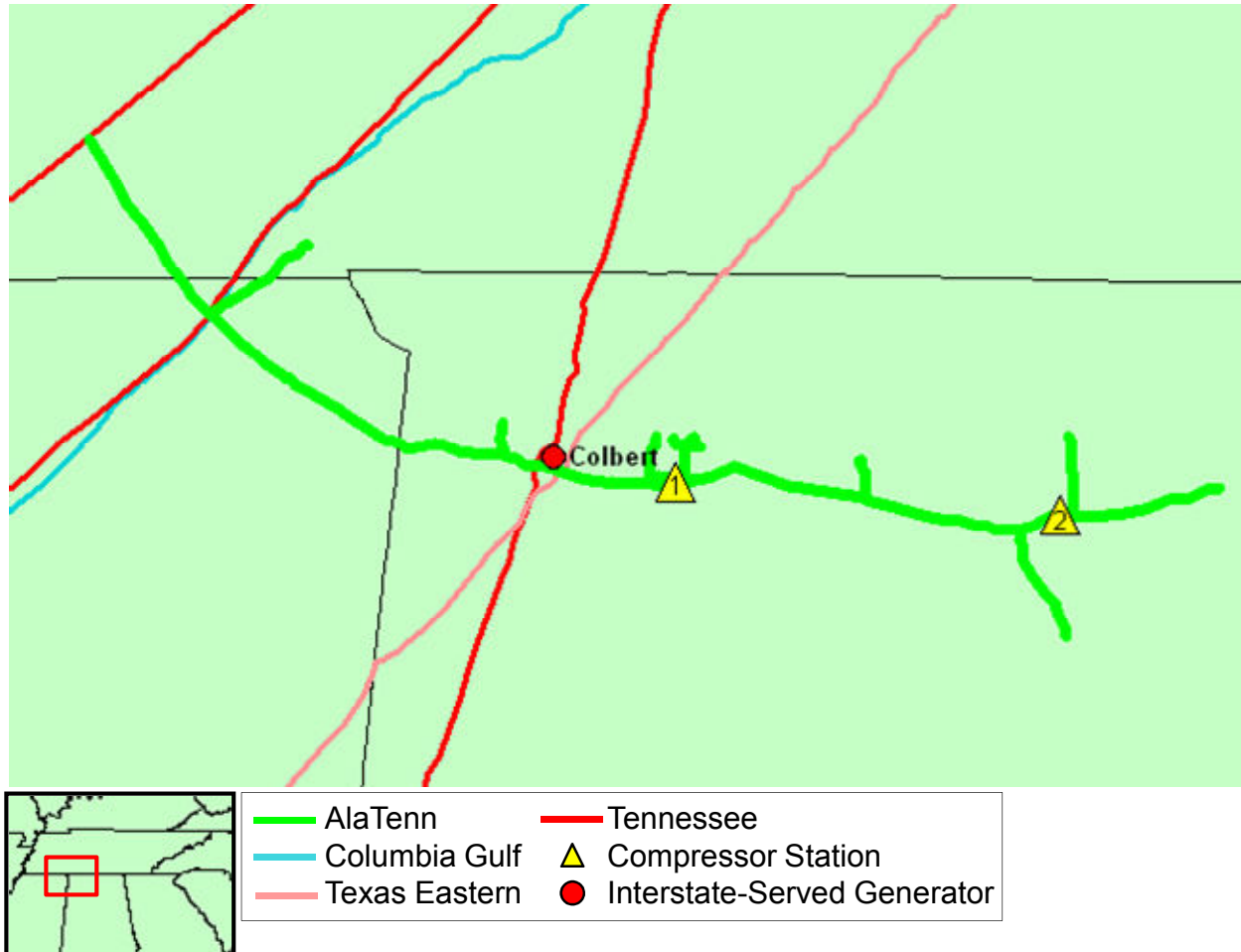
Data Sources:

- 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/d<sup>1</sup>

**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

**Table A5-2. AM AlaTenn Compressor Stations in TVA**

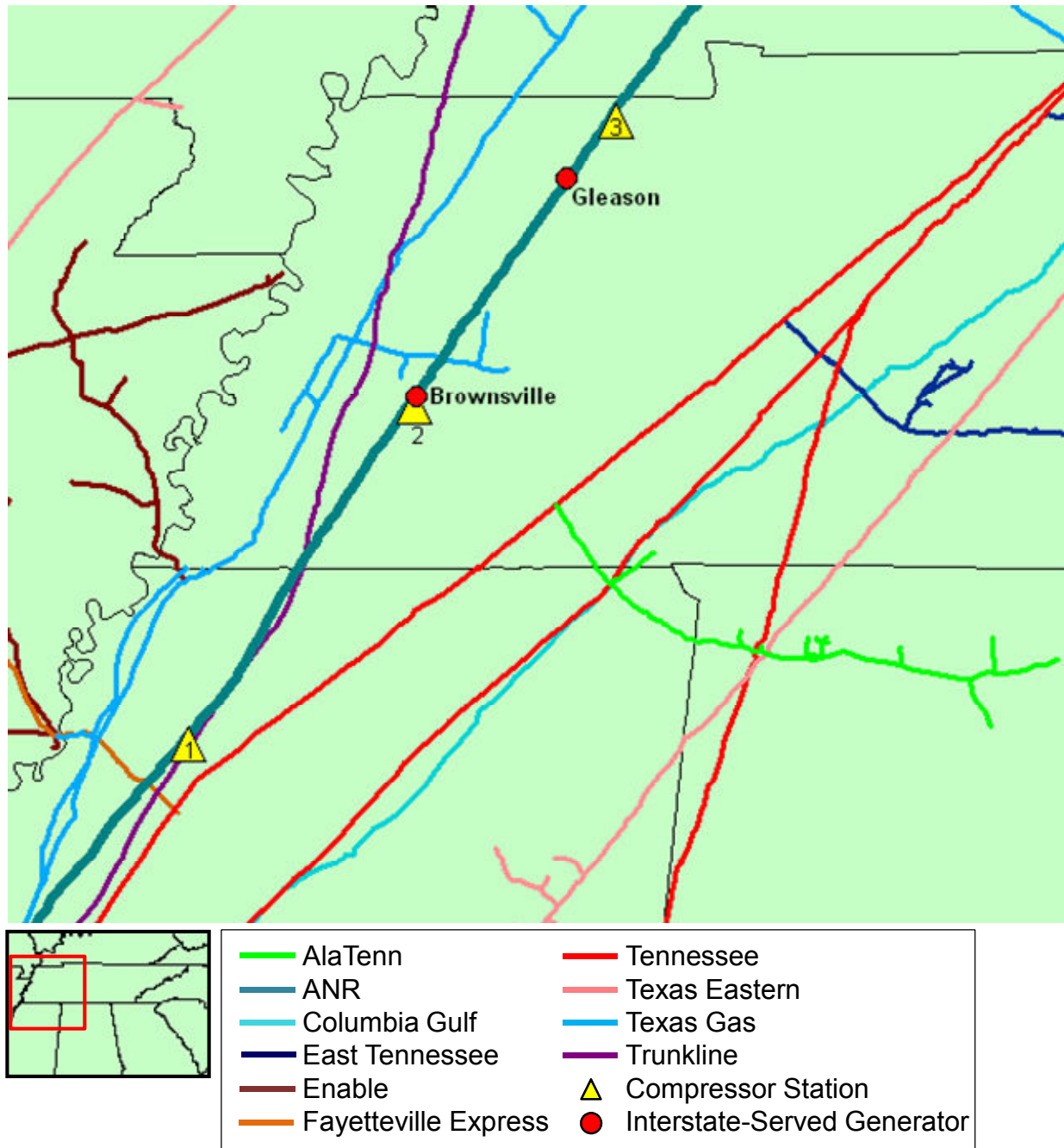
ID	Name	Location
1	Colbert	Muscle Shoals, AL
2	Decatur	Tanner, AL

<sup>1</sup> 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 2014 was 66 MDth/d.

**ANR Pipeline Company (TransCanada)**

Capacity: 1,023 MDth/d (SEML – N of Brownsville)<sup>2</sup>

**Figure A5-2. ANR Facilities in TVA**



<sup>2</sup> Operationally Available Capacity: <http://anrbb.transcanada.com/AvailCap/AvailCap.asp?sPipelineCode=ANR>

**Table A5-3. TVA Generators Directly Connected to ANR**

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

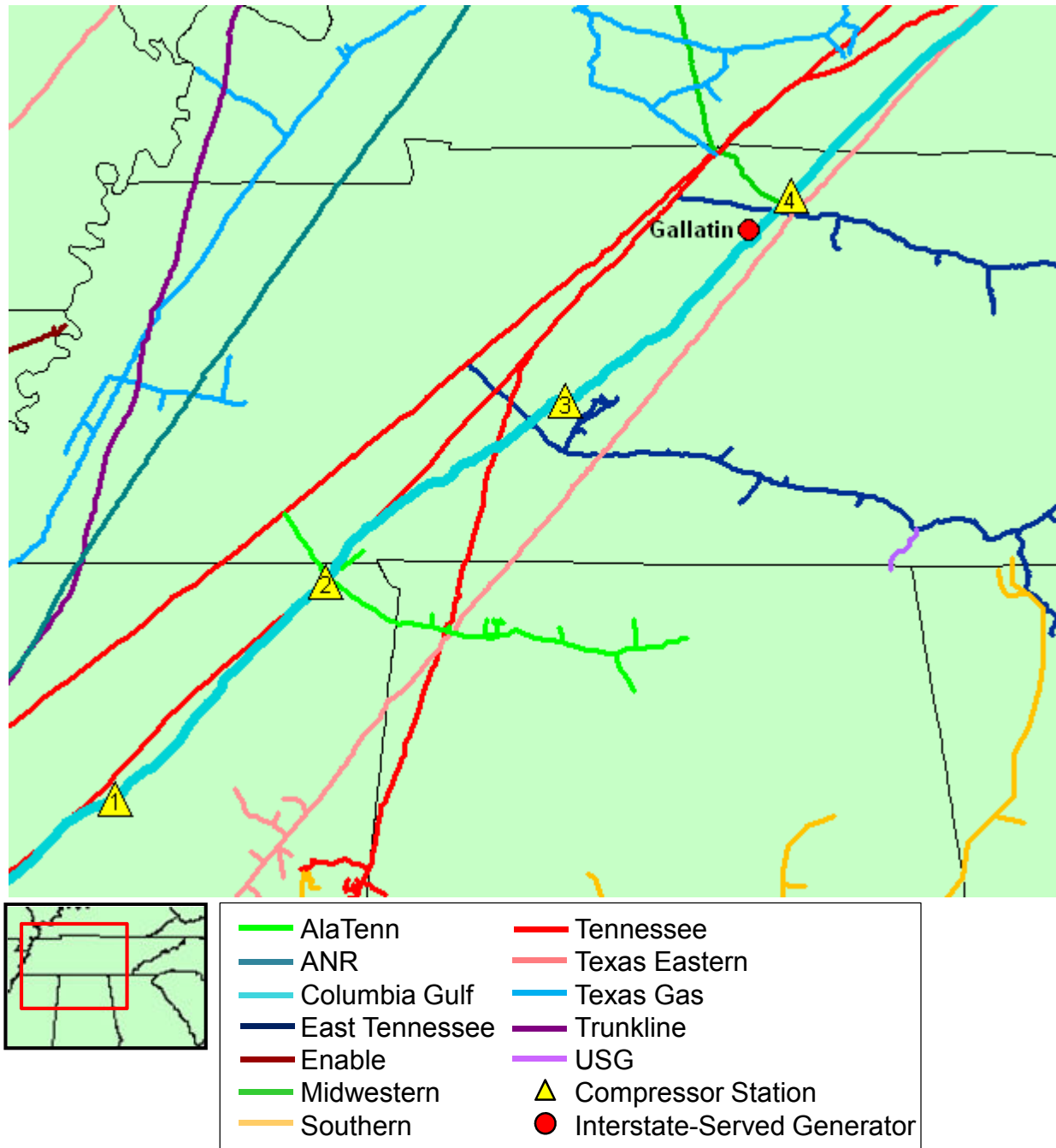
**Table A5-4. ANR Compressor Stations in TVA**

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Sardis	Sardis, MS
2	Brownsville	Brownsville, TN
3	Cottage Grove	Cottage Grove, TN

**Columbia Gulf Transmission (NiSource)**

Capacity: 2,156 MMcf/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

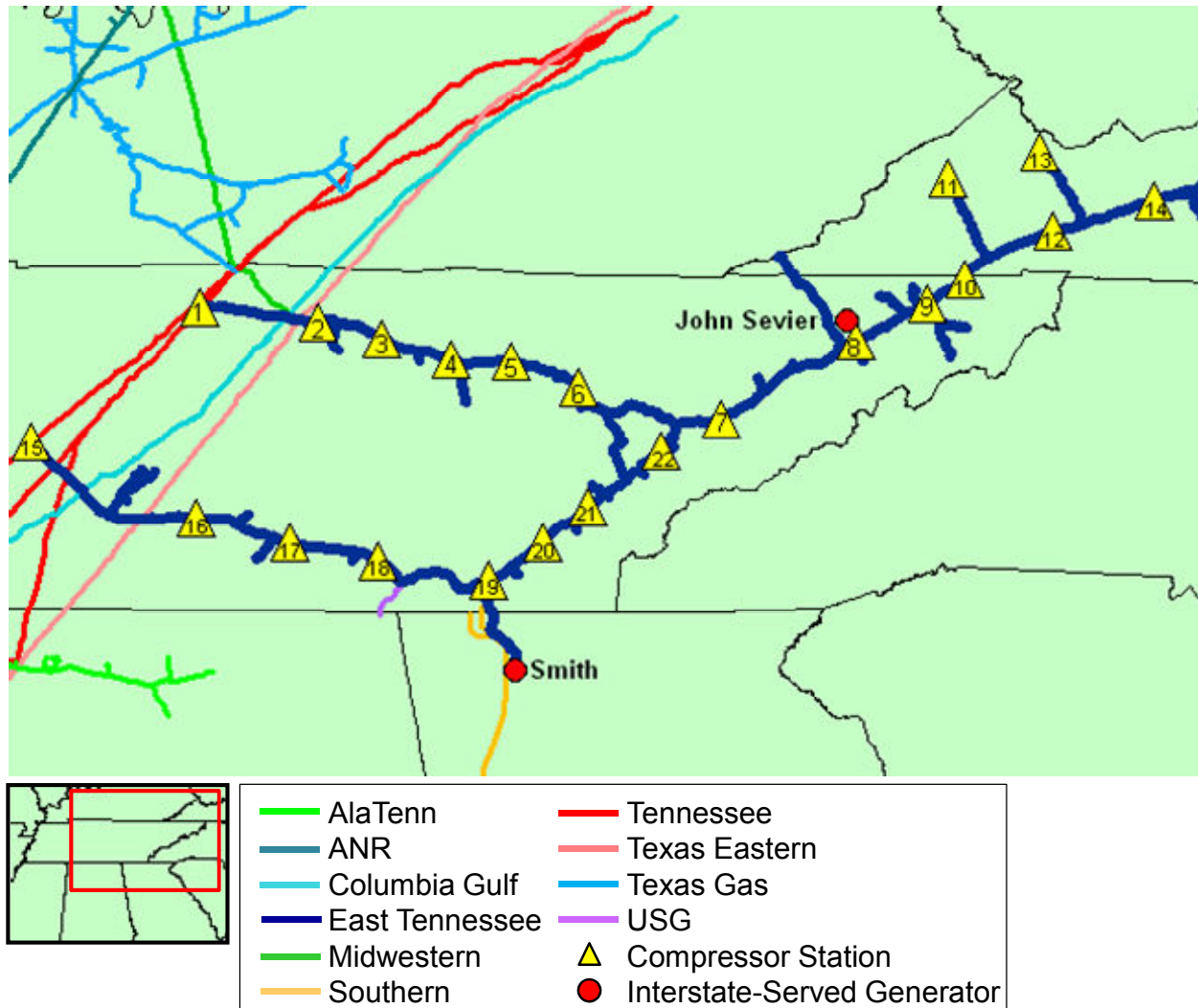
**Table A5-6. Columbia Gulf Compressor Stations in TVA**

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Banner	Valley, MS
2	Corinth	Corinth, MS
3	Hampshire	Hampshire, TN
4	Hartsville	Hartsville, TN

**East Tennessee Natural Gas (Spectra Energy)**

Capacity: 1,745 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
Smith	1,250	Thomas A. Smith Energy Facility-Murray Co., GA	59199

**Table A5-8. East Tennessee Compressor Stations in TVA**

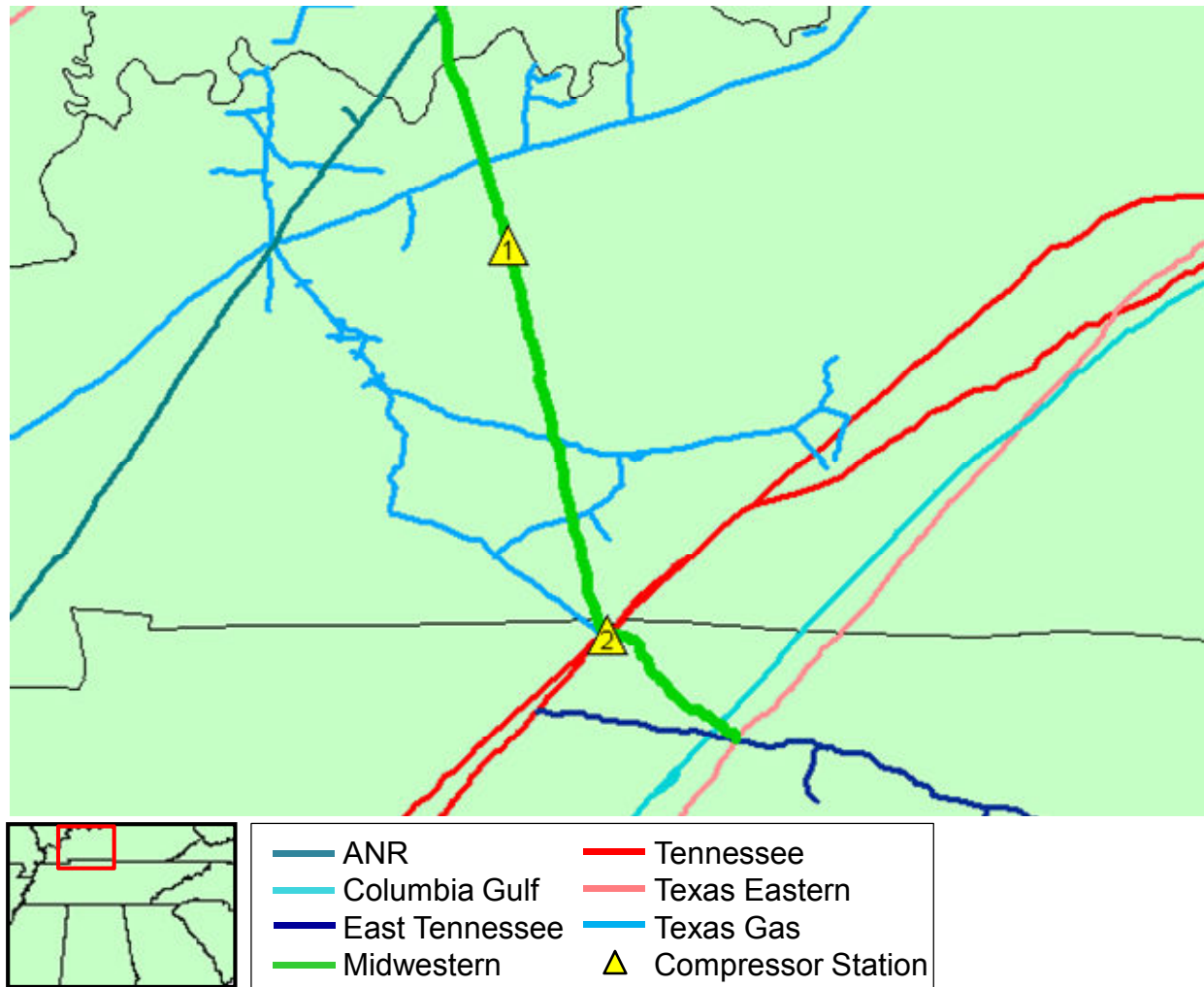
<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Ridgetop	Greenbrier, TN
2	Dixon Springs	Hartsville, TN
3	Gainesboro	Gainesboro, TN
4	Monterey	Monterey, TN
5	Clark Range	Clark Range, TN
6	Wartburg	Wartburg, TN
7	Boyd Creek	Sevierville, TN
8	Flatwoods	Mosheim, TN
9	Fordtown	Kingsport, TN
10	Bristol	Bristol, TN
11	Nora	Nora, VA
12	Glade Spring	Glade Spring, VA
13	Jewell Ridge	Jewell Ridge, VA
14	Rural Retreat	Rural Retreat, VA
15	Lobelville	Lobelville, TN
16	Lewisburg	Belfast, TN
17	Estill Springs	Winchester, TN
18	Tracy City	Jasper, TN
19	Ooltewah	Ooltewah, TN
20	Calhoun	Calhoun, TN
21	Madisonville	Madisonville, TN
22	Maryville	Maryville, TN



**Midwestern Gas Transmission (ONEOK)**

Capacity: 513 MMcf/d (South to North) / 635 MMcf/d (North to South)<sup>3</sup>

**Figure A5-5. Midwestern Facilities in TVA**



**Table A5-9. Midwestern Compressor Stations in TVA**

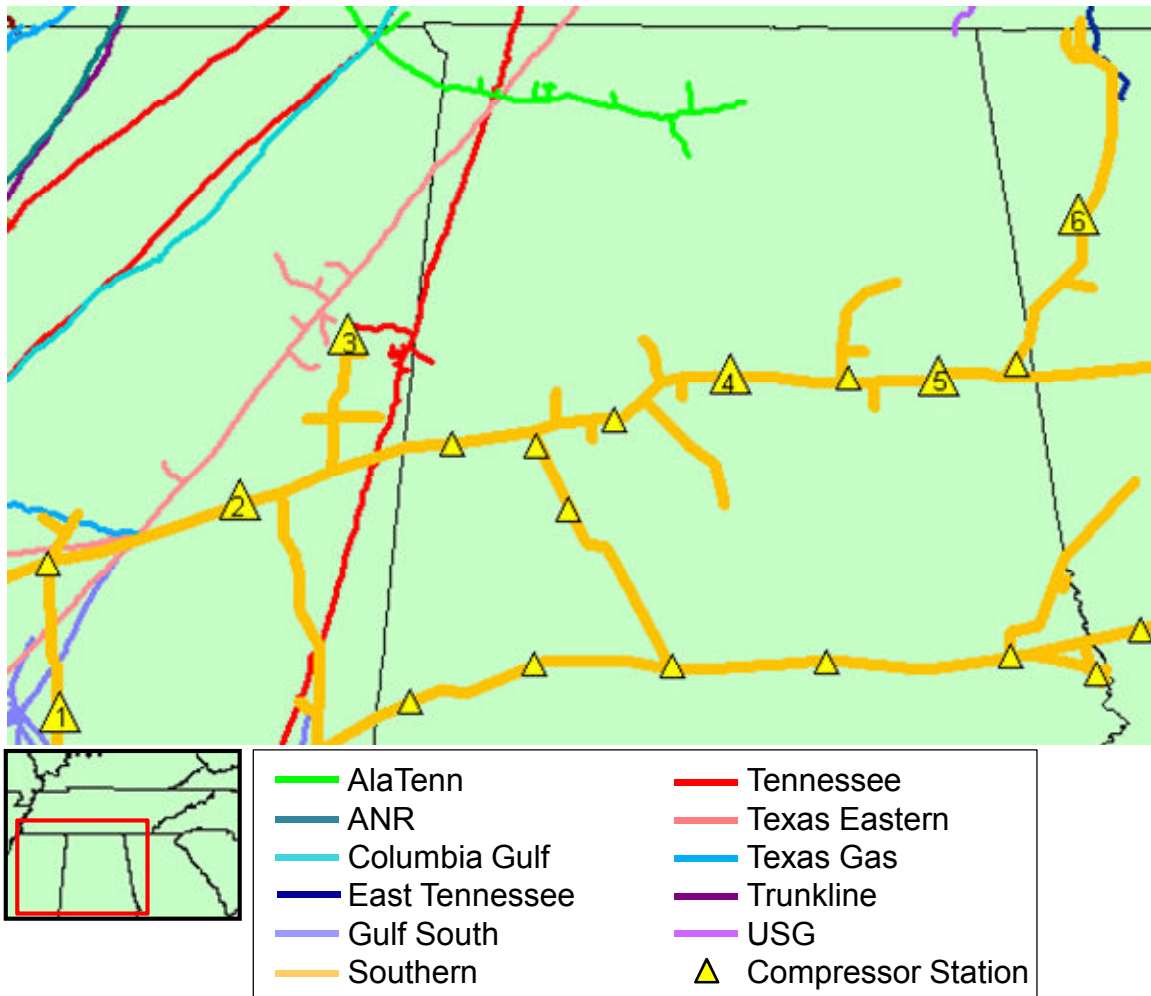
ID	Name	Location
1	Hartford	Hartford, KY
2	Portland	Portland, TN

<sup>3</sup> Midwestern’s Eastern Extension, the segment southeast of the Portland Compressor Station, has a south-to-north capacity of 70 MMcf/d and a north-to-south capacity of 120 MMcf/d.

**Southern Natural Gas (Kinder Morgan)**

Capacity: 3,940 MMcf/d

**Figure A5-6. Southern Natural Gas Facilities in TVA**



**Table A5-10. Southern Compressor Stations in TVA**

ID	Name	Location
1	Rankin	Brandon, MS
2	Louisville	Louisville, MS
3	Muldon Storage	Prairie, MS
4	Tarrant	Tarrant, AL
5	Dearmanville	Anniston, AL
6	Rome	Rome, GA

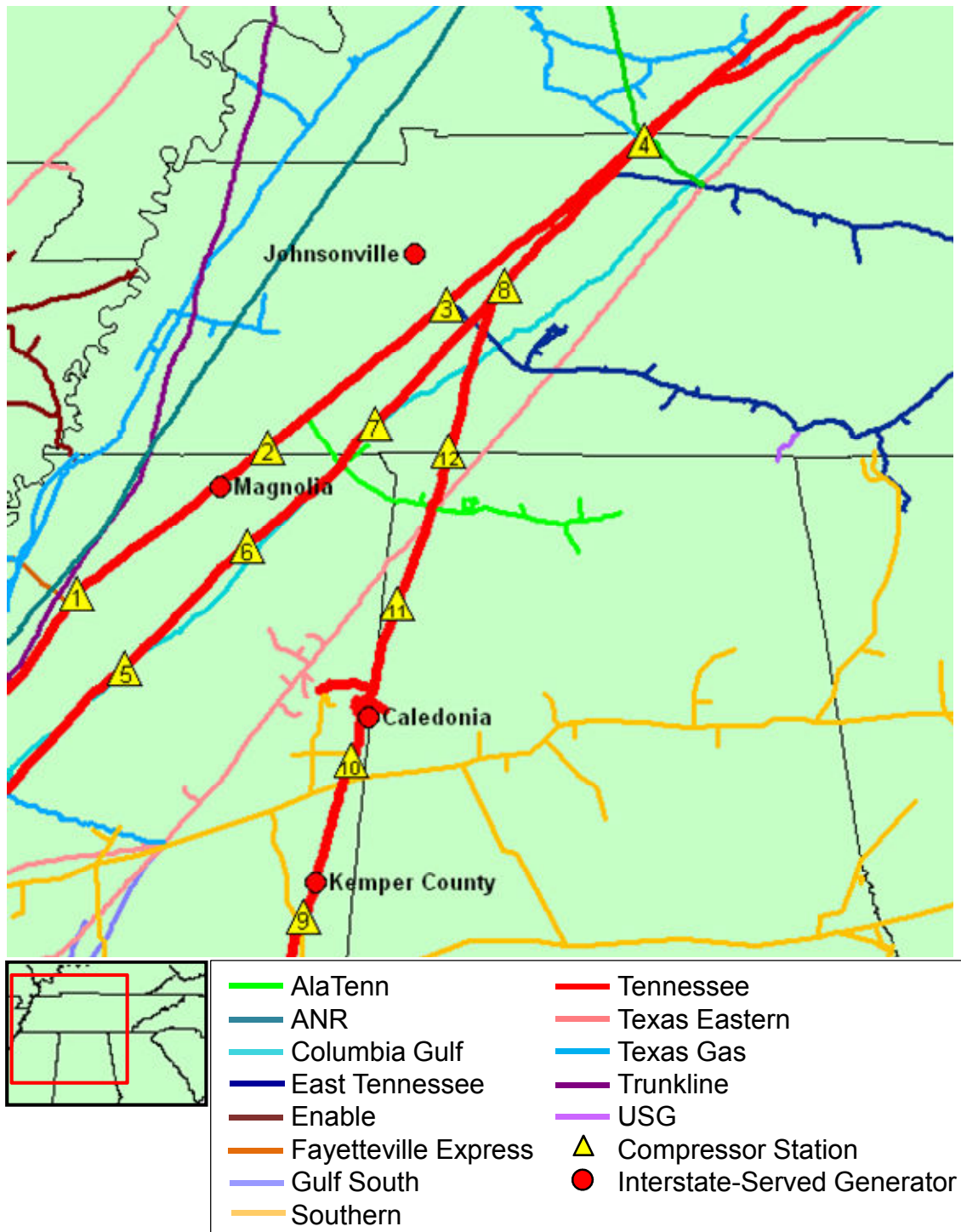
**Tennessee Gas Pipeline (Kinder Morgan)**

*Capacity: 1,542 MDth/d (Station 63), 650 MDth/d (Station 847), 1,600 MDth/d (Station 542)<sup>4</sup>*

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<sup>4</sup> Operationally Available Capacity – Segment Capacity:  
<http://pipeline2.kindermorgan.com/Capacity/OpAvailSegment.aspx?code=TGP>

Figure A5-7. Tennessee Facilities in TVA



**Table A5-11. TVA Generators Directly Connected to Tennessee**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Meter Name</b>	<b>Meter Number</b>
Caledonia	816	Cal Gen/TGP Lowndes	421003
Johnsonville <sup>5</sup>	1,440	TVA/TGP Johnsonville Hickman	420907
Kemper County	384	TVA/TGP Kemper	420937
Magnolia	999	TVA/TGP Magnolia Benton	420948

**Table A5-12. Tennessee Compressor Stations in TVA**

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Station 63	Batesville, MS
2	Station 71	Middleton, TN
3	Station 79	Lobelville, TN
4	Station 87	Portland, TN
5	Station 847	Grenada, MS
6	Station 851	New Albany, MS
7	Station 856	Savannah, TN
8	Station 860	Centerville, TN
9	Station 542	Dekalb, MS
10	Station 546	Columbus, MS
11	Station 550	Hamilton, AL
12	Station 555	Collinwood, TN

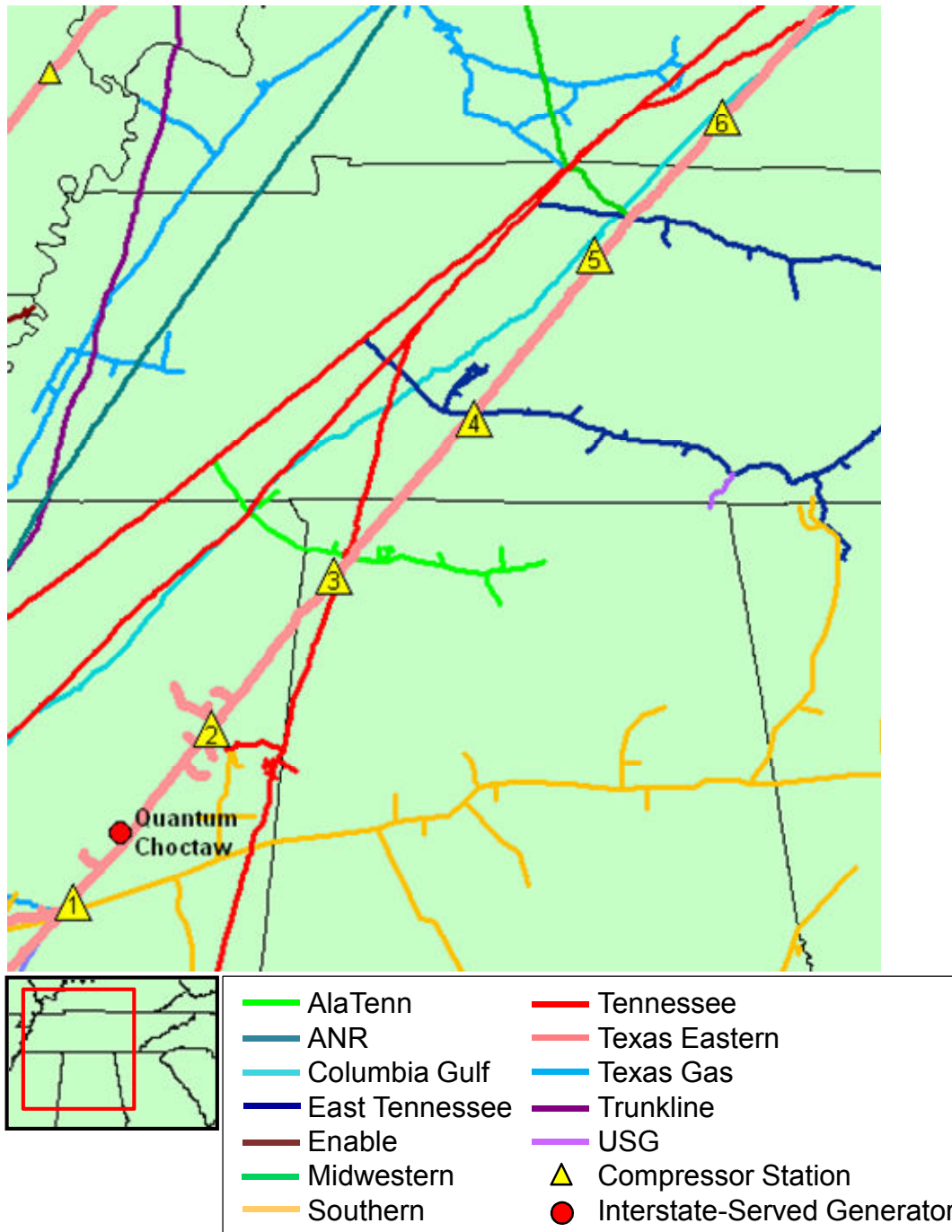
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<sup>5</sup> The Johnsonville power plant is connected to Tennessee by a 28-mile shipper-owned lateral.

**Texas Eastern Transmission (Spectra Energy)**

Capacity: 2,167 MDth/d (Kosciusko)<sup>6</sup>

**Figure A5-8. Texas Eastern Facilities in TVA**



<sup>6</sup> Operationally Available Capacity – Operational Capacity Map:  
<https://rtba.spectraenergy.com/InformationalPosting/Default.aspx?bu=TE&Type=OA>

**Table A5-13. TVA Generators Directly Connected to Texas Eastern**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Meter Name</b>	<b>Meter Number</b>
Quantum Choctaw	760	Suez/Choctaw	79960

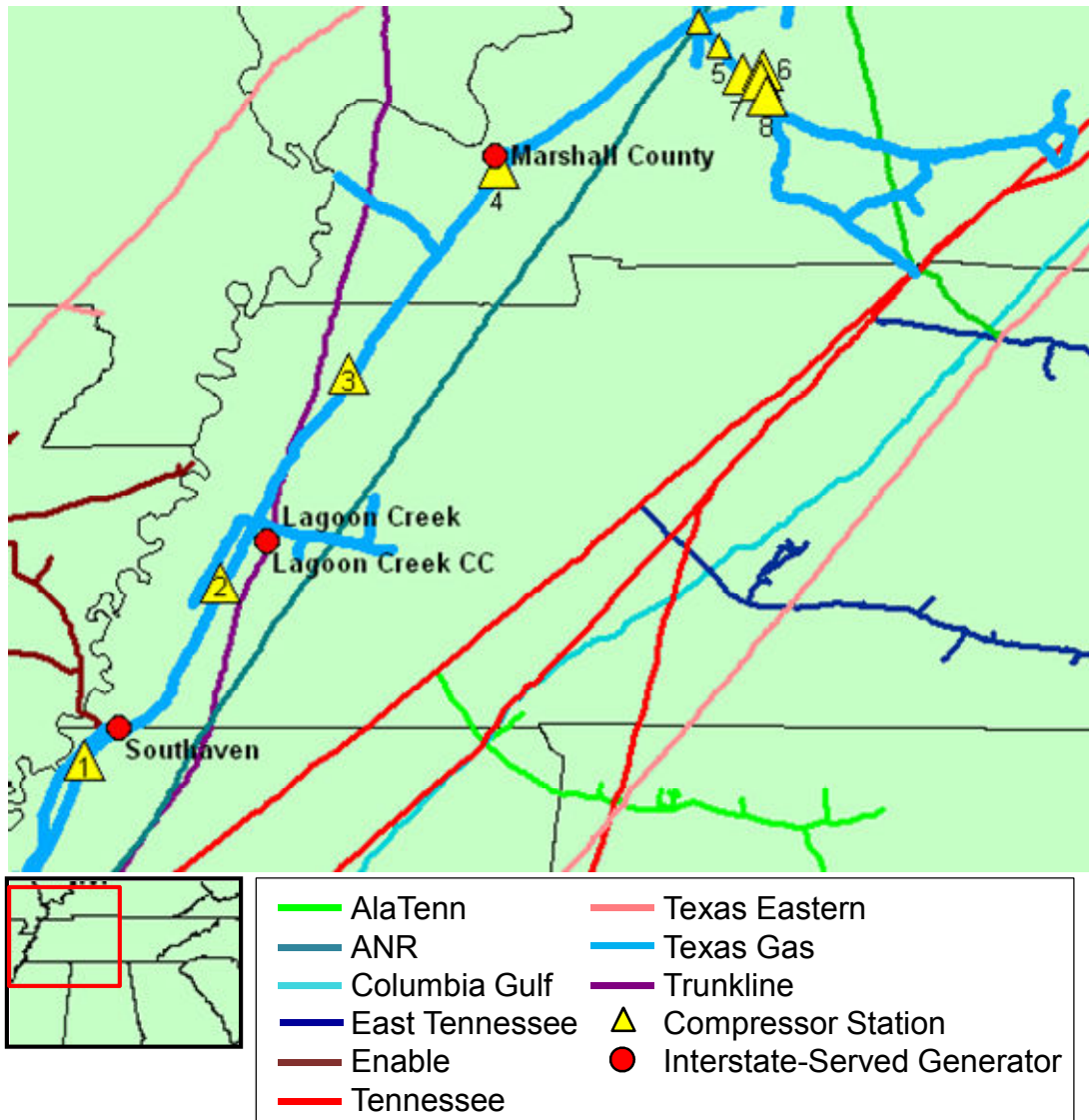
**Table A5-14. Texas Eastern Compressor Stations in TVA**

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Kosciusko	Kosciusko, MS
2	Egypt	Egypt, MS
3	Barton	Barton, AL
4	Mt. Pleasant	Mt. Pleasant, TN
5	Gladeville	Gladeville, TN
6	Tompkinsville	Summer Shade, KY

**Texas Gas Transmission (Boardwalk Pipeline Partners)**

Capacity: 1,824 MDth/d (Lake Cormorant)<sup>7</sup>

**Figure A5-9. Texas Gas Facilities in TVA**



<sup>7</sup> Operationally Available Capacity:  
<http://infopost.bwpmlp.com/Posting/default.aspx?Mode=Display&Id=11&tspid=100000>



**Table A5-15. TVA Generators Directly Connected to Texas Gas**

<b>Generator</b>	<b>Capacity (MW)</b>	<b>Meter Name</b>	<b>Meter Number</b>
Lagoon Creek <sup>8</sup>	1,160	TVA-Lagoon Creek	9588
Lagoon Creek CC <sup>9</sup>	622	TVA-Lagoon Creek	9588
Marshall County	768	Duke Energy-Marshall Cty	9908
Southaven	852	TVA-Southaven	9198

**Table A5-16. Texas Gas Compressor Stations in TVA**

<b>ID</b>	<b>Name</b>	<b>Location</b>
1	Lake Cormorant	Lake Cormorant, MS
2	Covington	Covington, TN
3	Kenton	Kenton, TN
4	Calvert City	Benton, KY
5	Midland 3	Bremen, KY
6	West Greenville	Greenville, KY
7	Midland 2	Bremen, KY
8	Graham Lake	Greenville, KY

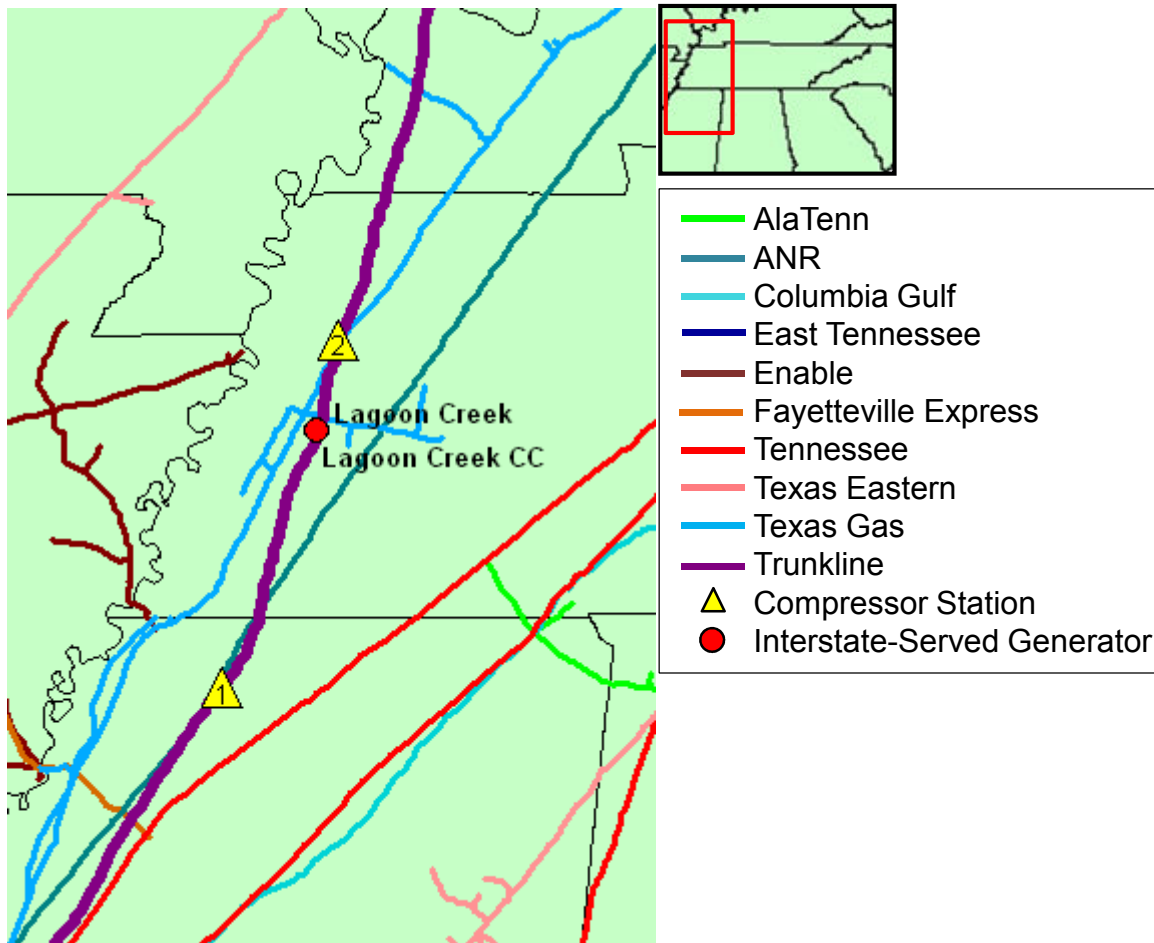
<sup>8</sup> Lagoon Creek is also directly connected to Trunkline. The primary connection is through Texas Gas.

<sup>9</sup> Lagoon Creek CC is also directly connected to Trunkline. The primary connection is through Trunkline.

**Trunkline Gas (Energy Transfer Partners)**

Capacity: 1,680 MDth/d

**Figure A5-10. Trunkline Facilities in TVA**



**Table A5-17. TVA Generators Directly Connected to Trunkline**

Generator	Capacity (MW)	Meter Name	Meter Number
Lagoon Creek <sup>10</sup>	1,160	Lagoon Creek - TVA	TVALC
Lagoon Creek CC <sup>11</sup>	622	Lagoon Creek - TVA	TVALC

**Table A5-18. Trunkline Compressor Stations in TVA**

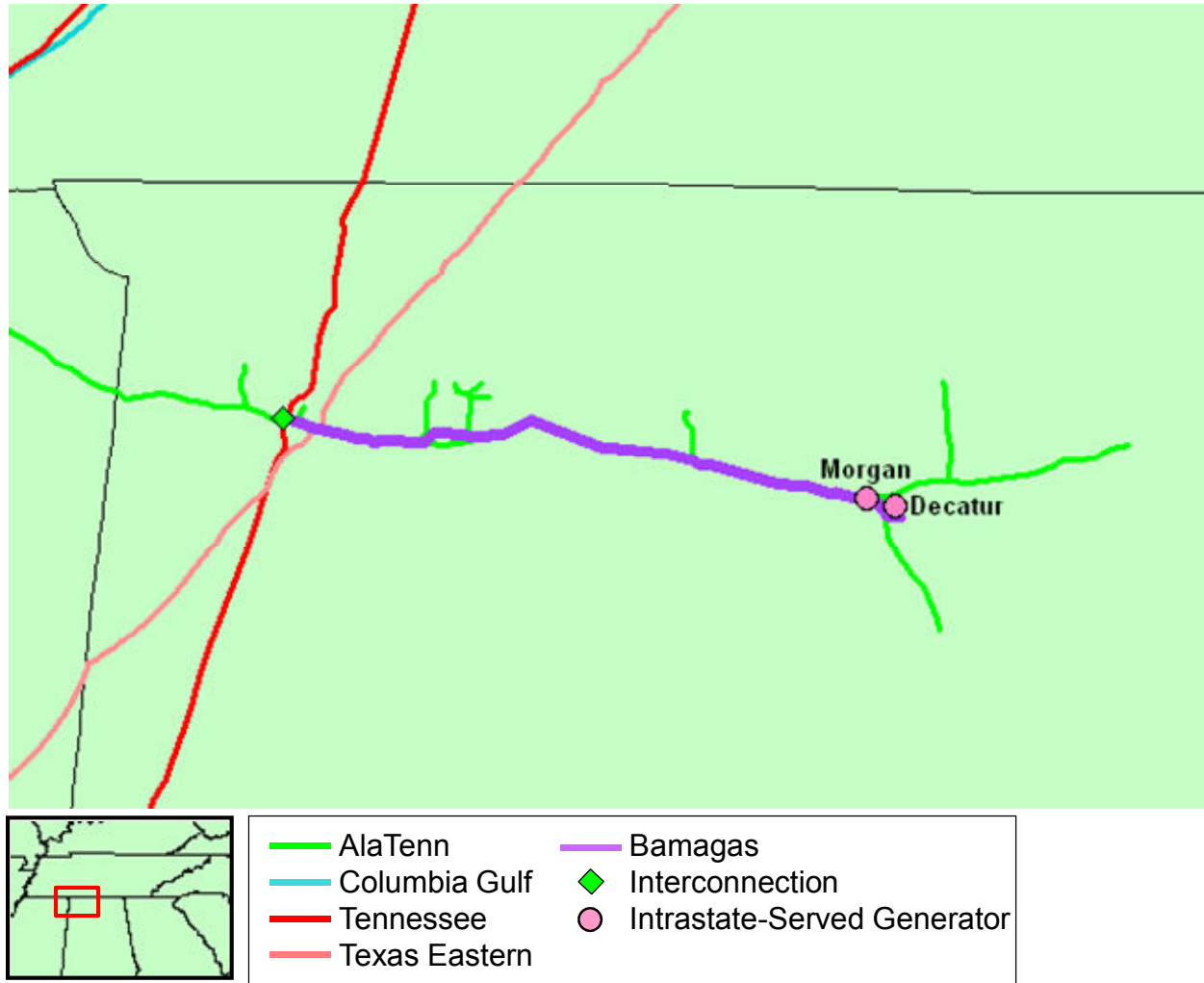
ID	Name	Location
1	Independence	Independence, MS
2	Dyersburg	Dyersburg, TN

<sup>10</sup> Lagoon Creek is also directly connected to Texas Gas. The primary connection is through Texas Gas.

<sup>11</sup> Lagoon Creek CC is also directly connected to Texas Gas. The primary connection is through Trunkline.

**American Midstream (Bamagas)**

**Figure A5-11. Bamagas Facilities**



**Table A5-19. TVA Generators Directly Connected to Bamagas**

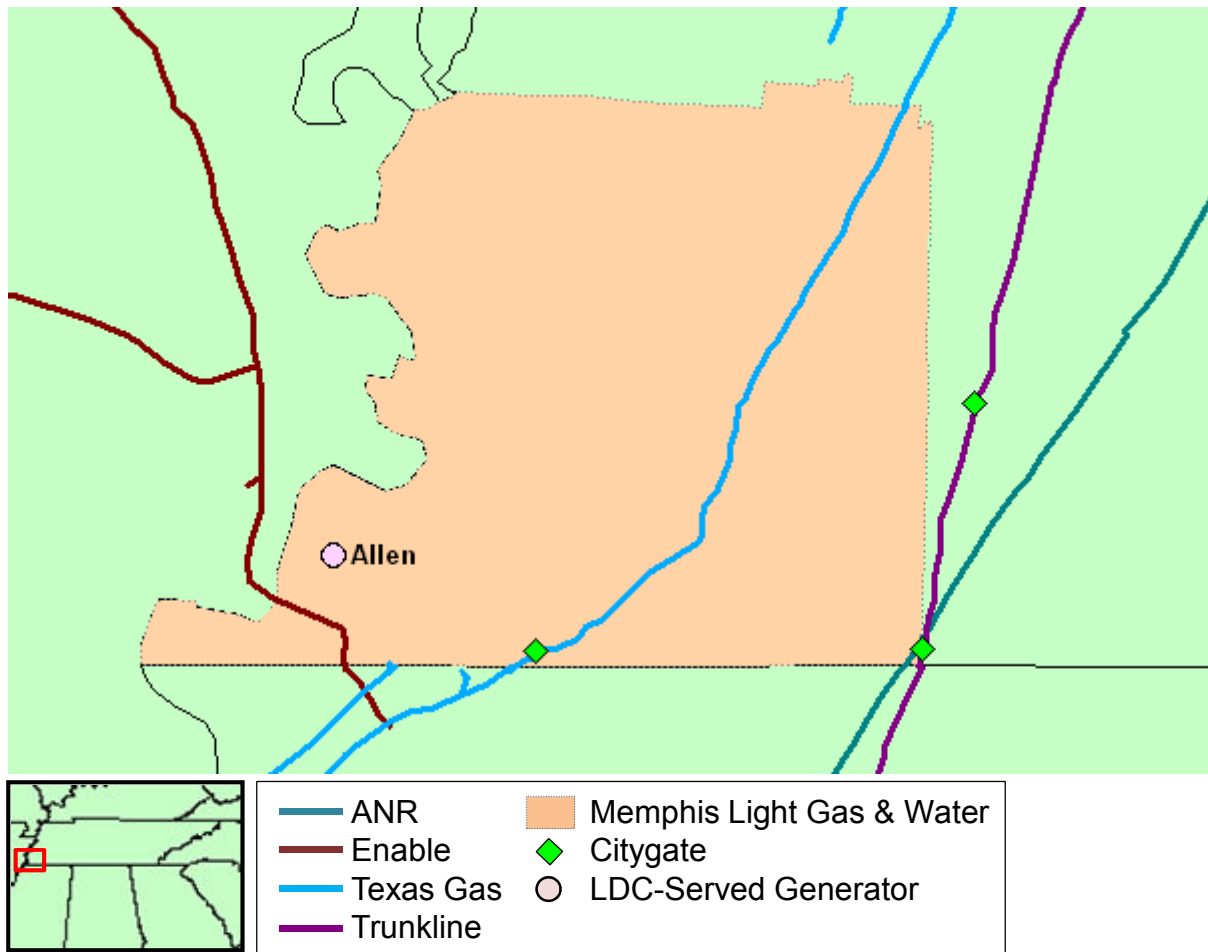
Generator	Capacity (MW)
Decatur	795
Morgan	807

**Table A5-20. Bamagas Interconnections**

Pipeline	Meter Name	Meter Number
AlaTenn	AlaTenn to Bamagas	20167
Tennessee	AmMid BA/TGP Bamagas Colbert	420942

**Memphis Light Gas & Water**

**Figure A5-12. Memphis Light Gas & Water Service Territory**



**Table A5-21. TVA Generators Served by Memphis Light Gas & Water**

Generator	Capacity (MW)
Allen	572

**Table A5-22. Memphis Light Gas & Water Citygate Stations**

Pipeline	Meter Name	Meter Number
ANR	Collierville Gate	416969
Texas Gas <sup>12</sup>	Memphis	1600
Trunkline	Memphis LGW	93069

<sup>12</sup> Texas Eastern is the principal supply source for the Allen plant.