

From: [Stiefel, Michael B](#)
To: [Vojin Janjic](#)
Cc: [Elizabeth Rorie](#); [Cheek, Terence Edward](#); [McGee, Donald E](#)
Subject: RE: TENNESSEE VALLEY AUTHORITY (TVA) - NOTICES OF INTENT FOR GENERAL NPDES PERMIT NUMBERS TNP100003, TNP100005, TNP100009, AND TNP100013 - DISCHARGES FROM THE APPLICATION OF PESTICIDES
Date: Friday, April 07, 2017 8:47:25 AM

***** This is an EXTERNAL email. Please exercise caution. DO NOT open attachments or click links from unknown senders or unexpected email - STS-Security. *****

I didn't get a read receipt for our March 31 submission of NOIs for the PGP so, I am concerned that the file size may have exceeded the limit for your mail system. Attached is the letter and the NOI for TNP00005. I will send the remaining NOIs via a separate email. TVA also submitted paper copies.

Thanks

From: Stiefel, Michael B
Sent: Friday, March 31, 2017 2:40 PM
To: Vojin Janjic (Vojin.Janjic@tn.gov)
Cc: Elizabeth Rorie (Elizabeth.Rorie@tn.gov); Cheek, Terence Edward (techeek@tva.gov); McGee, Donald E
Subject: TENNESSEE VALLEY AUTHORITY (TVA) - NOTICES OF INTENT FOR GENERAL NPDES PERMIT NUMBERS TNP100003, TNP100005, TNP100009, AND TNP100013 - DISCHARGES FROM THE APPLICATION OF PESTICIDES

Attached are completed Notices of Intent for continued coverage under the reissued General NPDES Permit for the Application of Pesticides.

Mike Stiefel, PE

Tennessee Valley Authority
Water Permitting, Compliance, and Monitoring
1101 Market Street, BR 4A
Chattanooga, TN 37402-2801

<mailto:mbstiefel@tva.gov>

Tel: 423.751.6844 Fax: 423.751.7011 Cell: 423.902-9522



Tennessee Valley Authority, 1101 Market Street, BR 4A, Chattanooga, Tennessee 37402

March 31, 2017

Tennessee Department of Environment
and Conservation
Division of Water Resources
Attention: Permit Section - Pesticide General Permit
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 11th Floor
Nashville, Tennessee 37243

Dear Madam or Sir:

TENNESSEE VALLEY AUTHORITY (TVA) - NOTICES OF INTENT FOR GENERAL NPDES
PERMIT NUMBERS TNP100003, TNP100005, TNP100009, AND TNP100013 - DISCHARGES
FROM THE APPLICATION OF PESTICIDES

Enclosed are completed Notices of Intent for continued coverage under the reissued General
NPDES Permit for the Application of Pesticides.

If you have questions or need additional information, please call Mike Stiefel at (423) 751-6844 or by
email at mbstiefel@tva.gov.

Sincerely,

A handwritten signature in blue ink that reads 'Terry E. Cheek'.

Terry E. Cheek
Senior Manager
Water Permits, Compliance, and Monitoring

Enclosures

Tennessee Department of Environment
and Conservation
Page 2
March 31, 2017

MBS:SMF
Enclosures

cc (Enclosures - Electronic Distribution):

- D. G. Brewster, CAB 1A-GVA
- E. R. Crews, PSC 1E-C
- F. B. Edmondson, WTR 1A-GR
- B. M. Hartis, FAB 1A-GVA
- M. B. High, PSC 1E-C
- S. R. Kramer, LP 1F-C
- T. C. Liskey, MR 4G-C
- K. A. Love, SP 6B-C
- D. E. McGee, OSA 1D-M
- W. D. White, WT 11D-K
- ECM, ENVrecords



Tennessee Department of Environment and Conservation
Division of Water Pollution Control
6th Floor Annex, L&C Tower, 401 Church Street, Nashville, Tennessee 37243
1-888-891-8332 (TDEC)

Notice of Intent (NOI) of Coverage Under the Pesticide General Permit (PGP)

Submission of this completed NOI constitutes notice that the Operator identified in Section B intends to be authorized to discharge pollutants to waters of the state within the pest management area identified in Section C of the Pesticide General Permit (PGP). Submission of this NOI constitutes notice that the party identified in Section B of this form has read, understands, and meets the eligibility conditions of Part 1 of the permit; agrees to comply with all applicable terms and conditions of the permit; and understands that continued authorization under the permit is contingent on maintaining eligibility for coverage. To be granted coverage, all information required on this form must be completed. Please read and make sure you comply with all permit requirements, including the requirement for large entities to prepare a Pesticide Discharge Management Plan (PDMP) prior to NOI submittal. Refer to the instructions at the end of this form to complete your NOI.

A. Notice of Intent Status

1. Mark whether this is the first time you are requesting coverage under the PGP or if this is a change of information for a discharge already covered under the PGP. If this is a change of information, supply the NPDES permit tracking number for the discharge.

a. Original NOI Submission

b. NOI Change of Information: TNP100005 (NPDES Permit Tracking Number)

Please note: When selecting A.1.b please fill out Section B (Operator Name and Mailing Address) and the fields of the NOI that need to be modified.

B. Operator Information

1. Operator Name: Tennessee Valley Authority, Right-Of-Way

2. Operator Type (check one):

a. Federal government

b. State government

c. Local government

d. Mosquito control district (or similar)

e. Irrigation control district (or similar)

f. Weed control district (or similar)

g. Other: If other, provide brief description of type of operator: _____

3. Are you a large entity as defined in Appendix A of the permit? (check one):

Yes No

Please note: If you answer "Yes" to this question you are required to develop a Pesticide Discharge Management Plan (PDMP) and submit an Annual Report reflecting all pesticide uses for which you are requesting permit coverage under this NOI.

4. Mailing Address:

a. Street: 1101 Market Street, MR 5F

b. City: Chattanooga c. State: TN d. ZIP Code: 37402-2801

e. Telephone: 423 751 4081

f. Fax: 423 559 4933

g. Contact Name: Jason Regg

h. E-mail: jtregg@tva.gov

C. Pest Management Areas: Complete Section C for each Pest Management Area for which coverage under Pesticide General Permit is desired.

Pest Management Area # 1 of ## 1

1. Pest Management Area Name: TVA ROW Sector Plots

Provide a map of the location of the Pest Management Area (attach map) or describe the location of the Pest Management Area in detail.

A map of TVA's Sectors and a list of Plots for each Sector is attached. "Plot" is a term used to describe linear portions of land which contain TVA's transmission lines and their respective ROWs.

2. Are any of your activities (in this pest management area) for which you are requesting coverage under this NOI occurring on areas considered "federal facilities" as defined by the permit? Yes No

3. Mailing address and contact information of the pesticide applicator (or check here if same as provided in Section B):

a. Street: TBD based on contractor selection

b. City: _____

c. State:

d. ZIP Code: _____

e. Telephone: _____

f. Fax: _____

g. Contact Name: _____

h. E-mail: _____

4. Pesticide Use Patterns to be included in this Pest Management Area (check all that apply):

a. Mosquito and Other Flying Insect Pest Control

c. Animal Pest Control

b. Weed and Algae Pest Control

d. Forest Canopy Pest Control

5. Receiving Waters (check one):

a. Coverage requested for all waters of the state within the Pest Management Area identified above.

b. Coverage requested specifically for the following waters of the state within the Pest Management Area identified above.

c. Coverage requested for all waters of the state within the Pest Management Area identified above except for:
ONRWs or Impaired Waters in the in the TVA service area

6. Outstanding National Resource Waters (ONRWs)

Is coverage requested for discharge to a Outstanding National Resource Water(s) of the United States? Yes No
If yes, answer a and b:

a. Name of ONRWs: _____

b. Provide rationale for determination that pesticide discharge is necessary to protect water quality, the environment, and/or public health and that any such discharge will not degrade water quality or will degrade water quality only on a short-term or temporary basis:

7. Water Quality Impaired Waters

Operators are not eligible for coverage under this permit for any discharges from a pesticide application to waters of the state if the waters are identified as impaired by a substance which is either an active ingredient of the pesticide designated for use or is a product of degradation of such an active ingredient. See Part 1.1.2.1 of the permit. Check one:

a. Waters are NOT impaired by any substance which is either an active ingredient of a pesticide to be discharged or a product of degradation of such an active ingredient

b. Waters are on a current state list as being impaired by a substance which is either an active ingredient of a pesticide to be discharged or a product of degradation of such an active ingredient; however, evidence is attached documenting that the waters are no longer impaired.

D. Certification

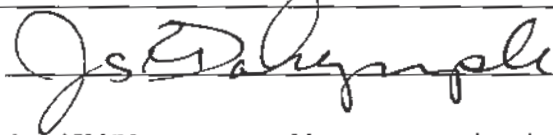
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. On the basis of my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. A false statement is subject to the penalties of perjury.

Printed Name: James R. Dalrymple

Title: Senior Vice President, Transmission

E-Mail: jrdalrymple@tva.gov

Signature/Responsible
Official:



Date:

03	50	2017
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NOI Preparer (Complete if NOI was prepared by someone other than the certifier)

Preparer Name: Don E. McGee

Organization: TVA Environmental Operations

Phone: 256 386 2994

Date:

03	24	2017
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E-Mail: demcgee@tva.gov

Attachment 11 – Delegation of Authority Form

I, James R. Dalrymple, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Pesticide General Permit, for Right Of Way And Meter Management, Right Of Way (ROW). The designee is authorized to sign any reports, other documents required by the permit.

<u>Senior Manager, ROW</u>	(name of person or position)
<u>TN Valley Authority</u>	(company)
<u>1101 Market Street</u>	(address)
<u>Chattanooga, TN 37402</u>	(city, state, zip)
<u>423-751-4081</u>	(phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in General NPDES Permit For Discharges From the Application of Pesticides Permit Number TNP100000, and that the designee above meets the definition of a "duly authorized representative" in Appendix B.11 of the permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the pest management area, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

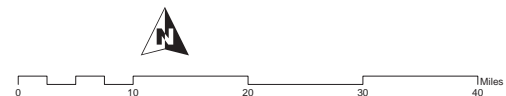
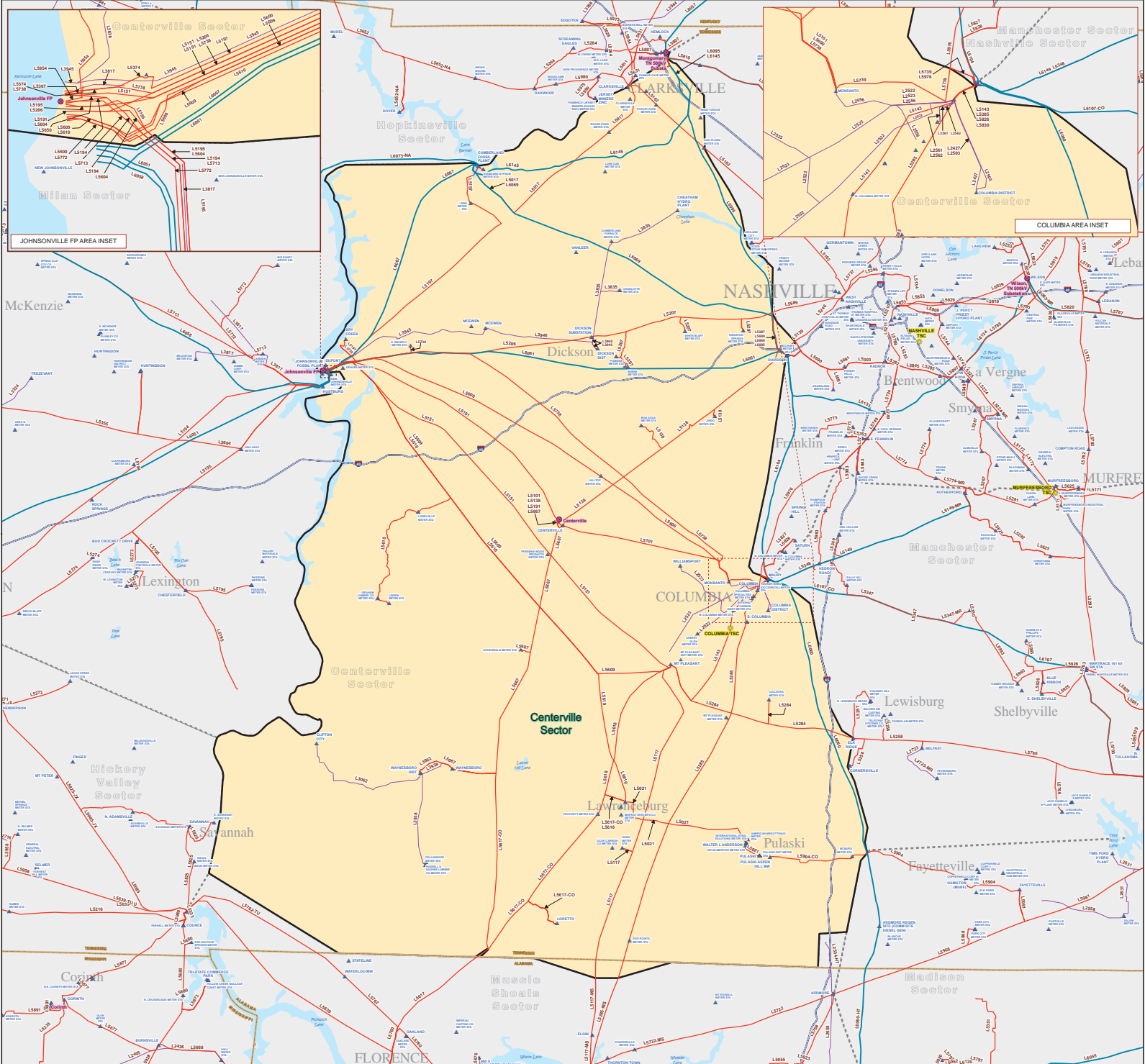
Name: James R. Dalrymple

Company: TN Valley Authority

Title: Senior Vice President, Transmission

Signature: 

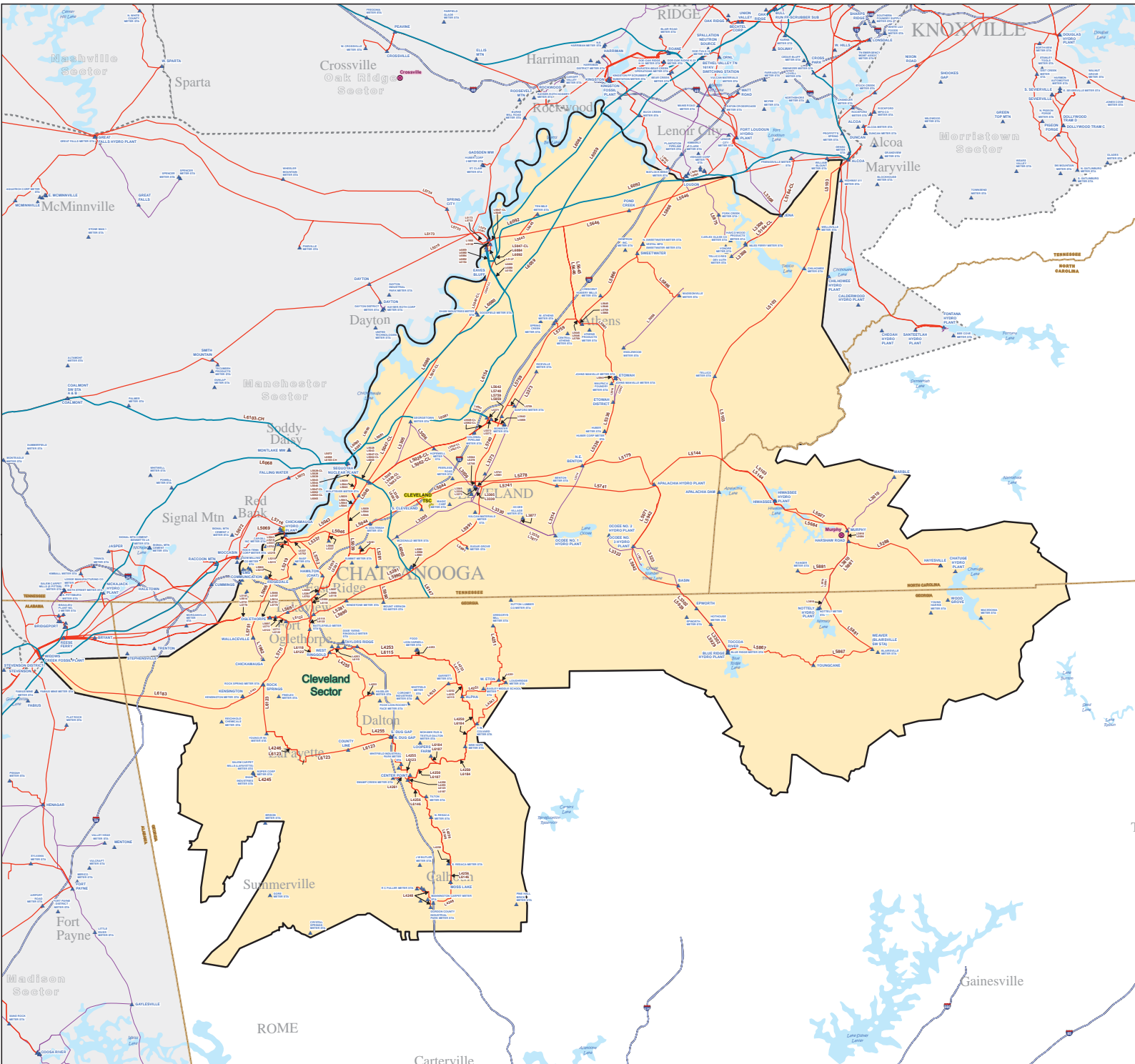
Date: 3/30/17



Centerville Sector	Crew Quarters	Legend	State Boundary
Other R.O.W. Sector Area	Transmission Service Centers	13.26; 46; 69 kV	Lakes
	Stations	115; 138; 161; 230 kV	
		345; 500 kV	
		Interstate Highways	

Centerville Sector





Cleveland Sector

Other R.O.W. Sector Area

Legend

- Transmission Lines
- 13, 26, 48, 69 kV
- 115, 138, 161, 230 kV
- 345, 500 kV
- Interstate Highways

Crew Quarters

Transmission Service Centers

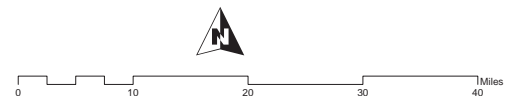
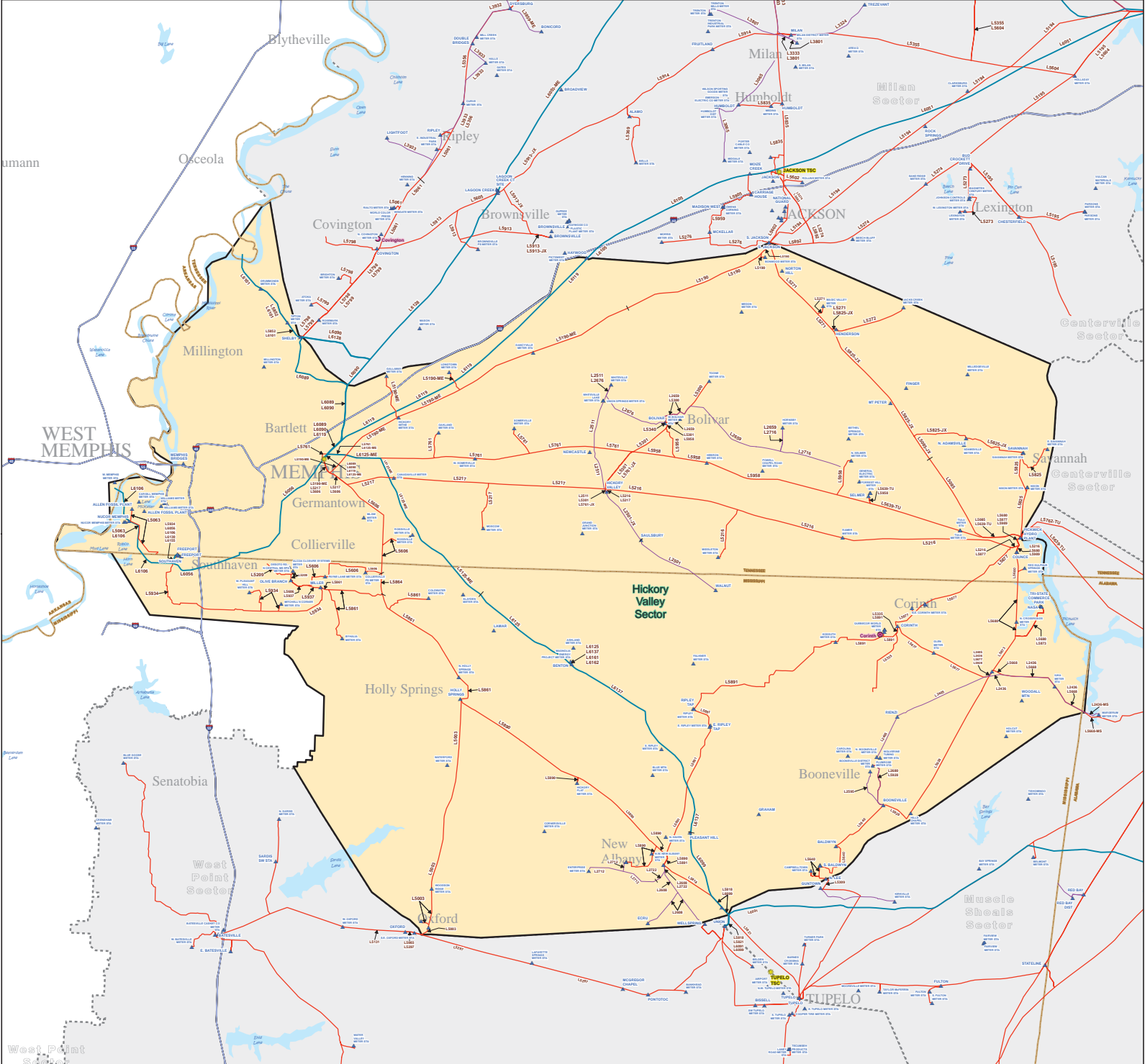
Stations

State Boundary

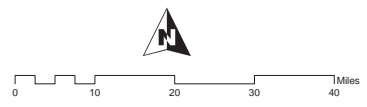
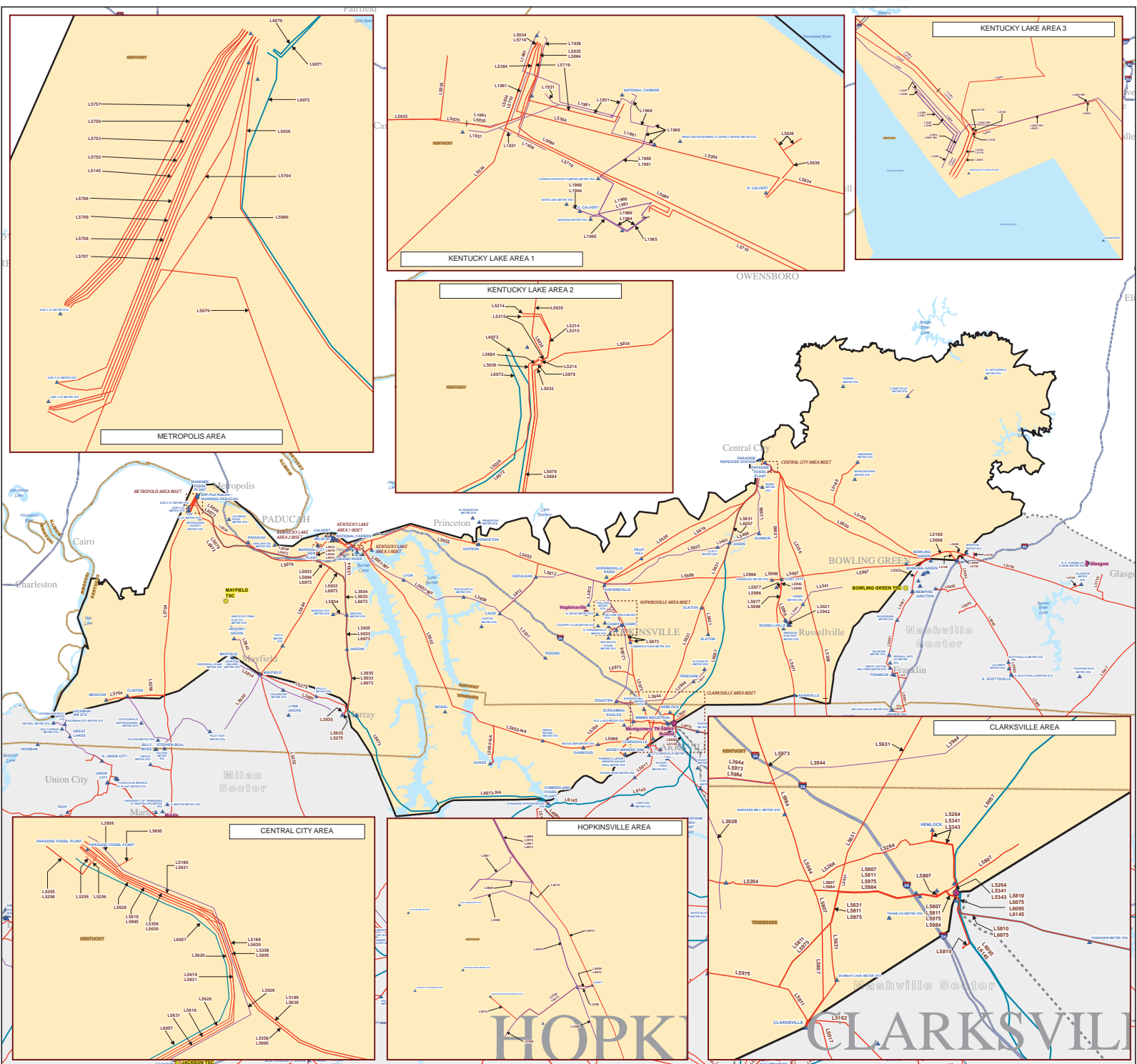
Lakes

Cleveland Sector





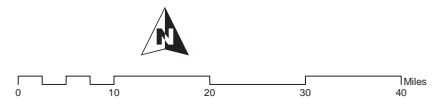
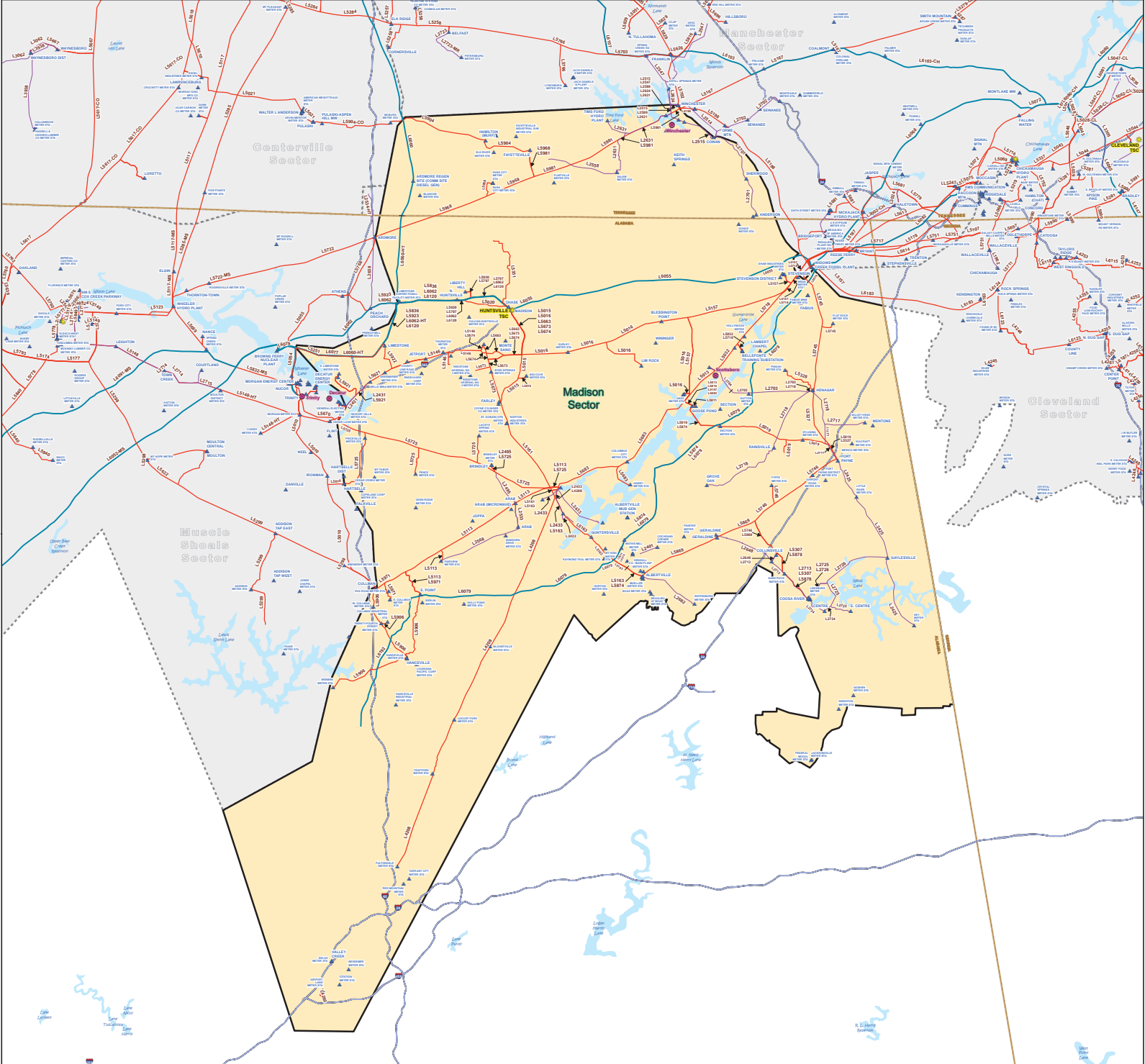
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|--------------------------|------------------------------|-----------------------|----------------|
| Hickory Valley | Crew Quarters | Legend | State Boundary |
| Other R.O.W. Sector Area | Transmission Service Centers | 13, 26, 46, 69 kV | Lakes |
| | Stations | 115, 138, 161, 230 kV | |
| | | 345, 500 kV | |
| | | Interstate Highways | |



- Legend**
- Hopkinsville
 - Other R.O.W. Sector Area
 - Crew Quarters
 - Transmission Service Centers
 - Stations
 - Transmission Lines
 - Interstate Highways
 - State Boundary
 - Lakes
- 13, 26, 46, 69 kV
— 115, 138, 161, 230 kV
— 345, 500 kV

Hopkinsville Sector

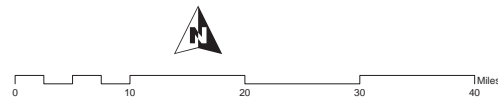
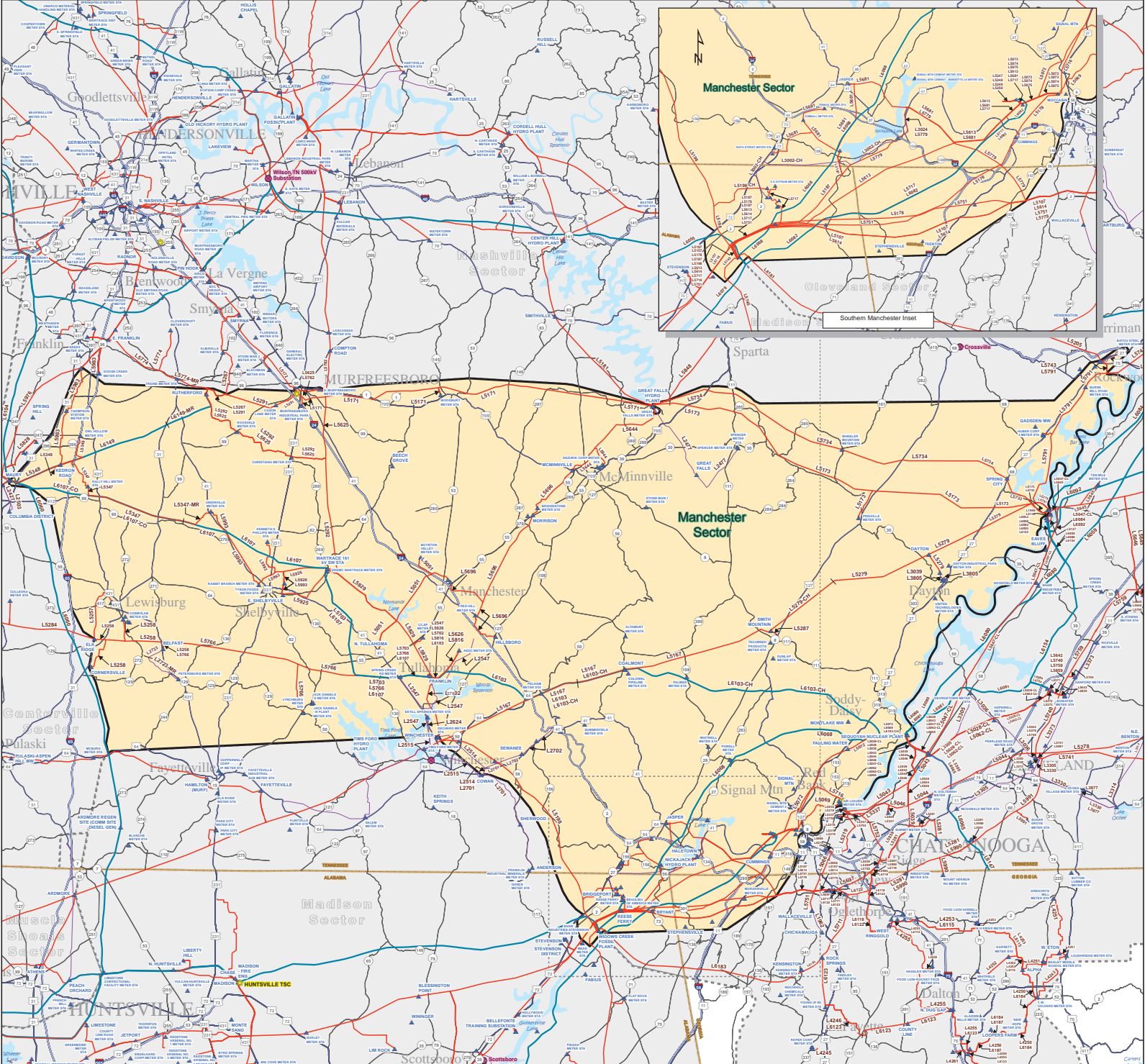




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|--------------------------|------------------------------|---------------------------|----------------|
| Madison Sector | Crew Quarters | Legend | State Boundary |
| Other R.O.W. Sector Area | Transmission Service Centers | Transmission Lines | Lakes |
| | Stations | 13, 26, 46, 69 kV | |
| | | 115, 138, 161, 230 kV | |
| | | 345, 500 kV | |
| | | Interstate Highways | |

Madison Sector

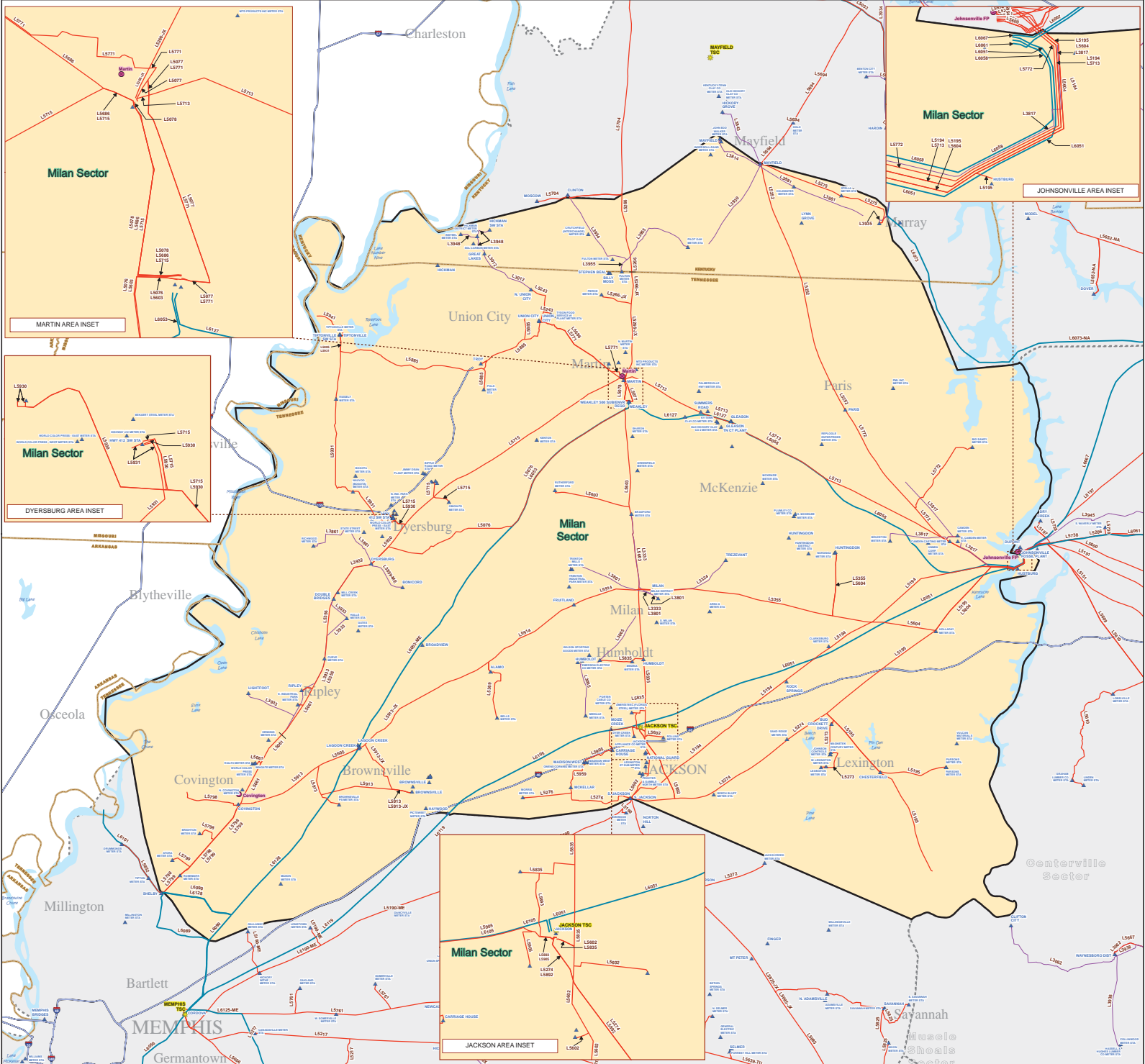




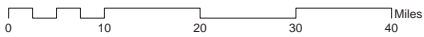
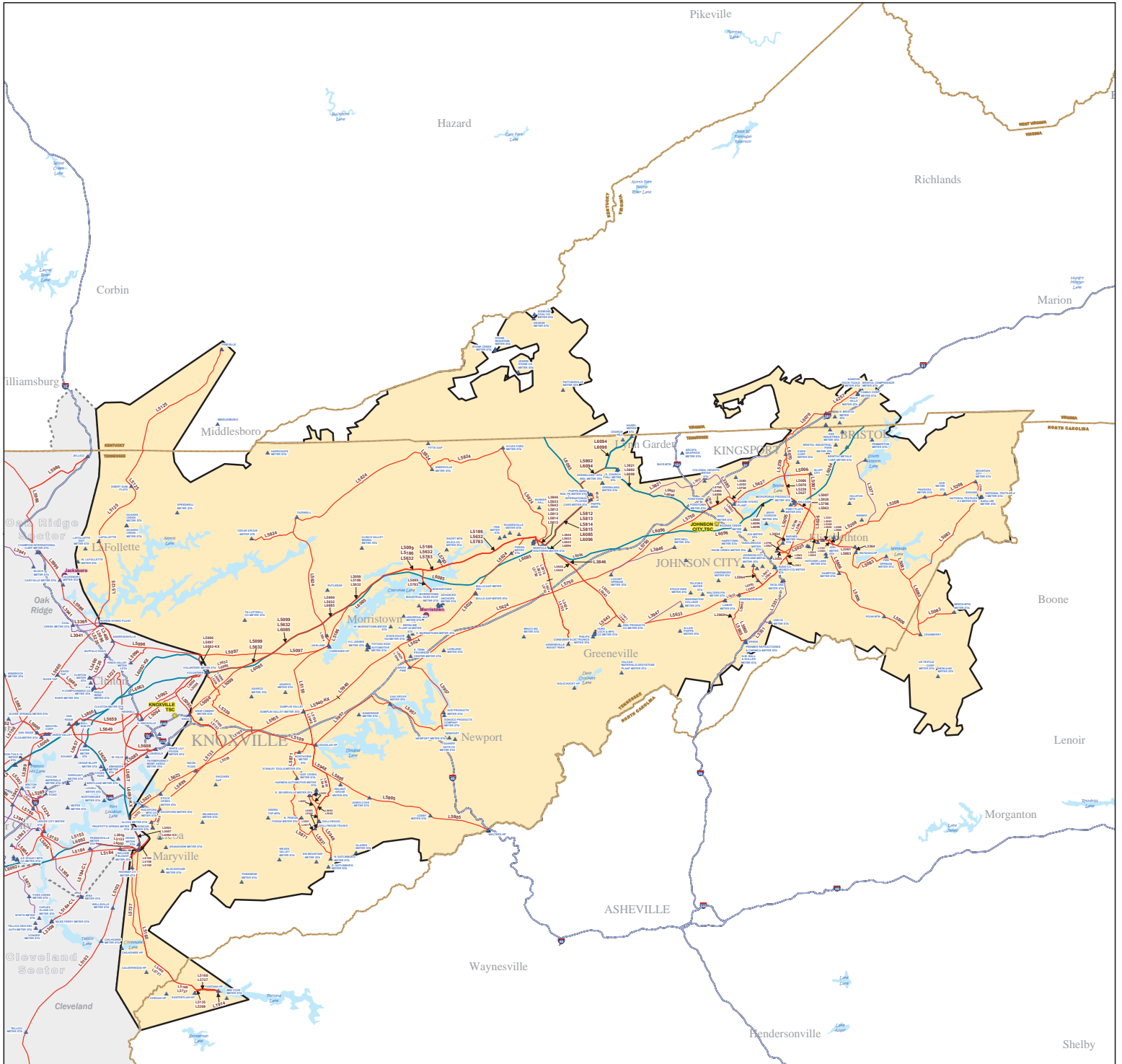
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|---|---|--|---|---|--|--|---|
| Manchester | Other R.O.W. Sector Area | Crew Quarters | Transmission Service Centers | Stations | Transmission Lines | Interstate Highways | State Boundary |
| | | | | | 13, 26, 46, 69 kV | US Highways | Lakes |
| | | | | | 115, 138, 161, 230 kV | State Highways | |
| | | | | | 345, 500 kV | | |

Manchester Sector





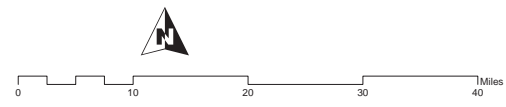
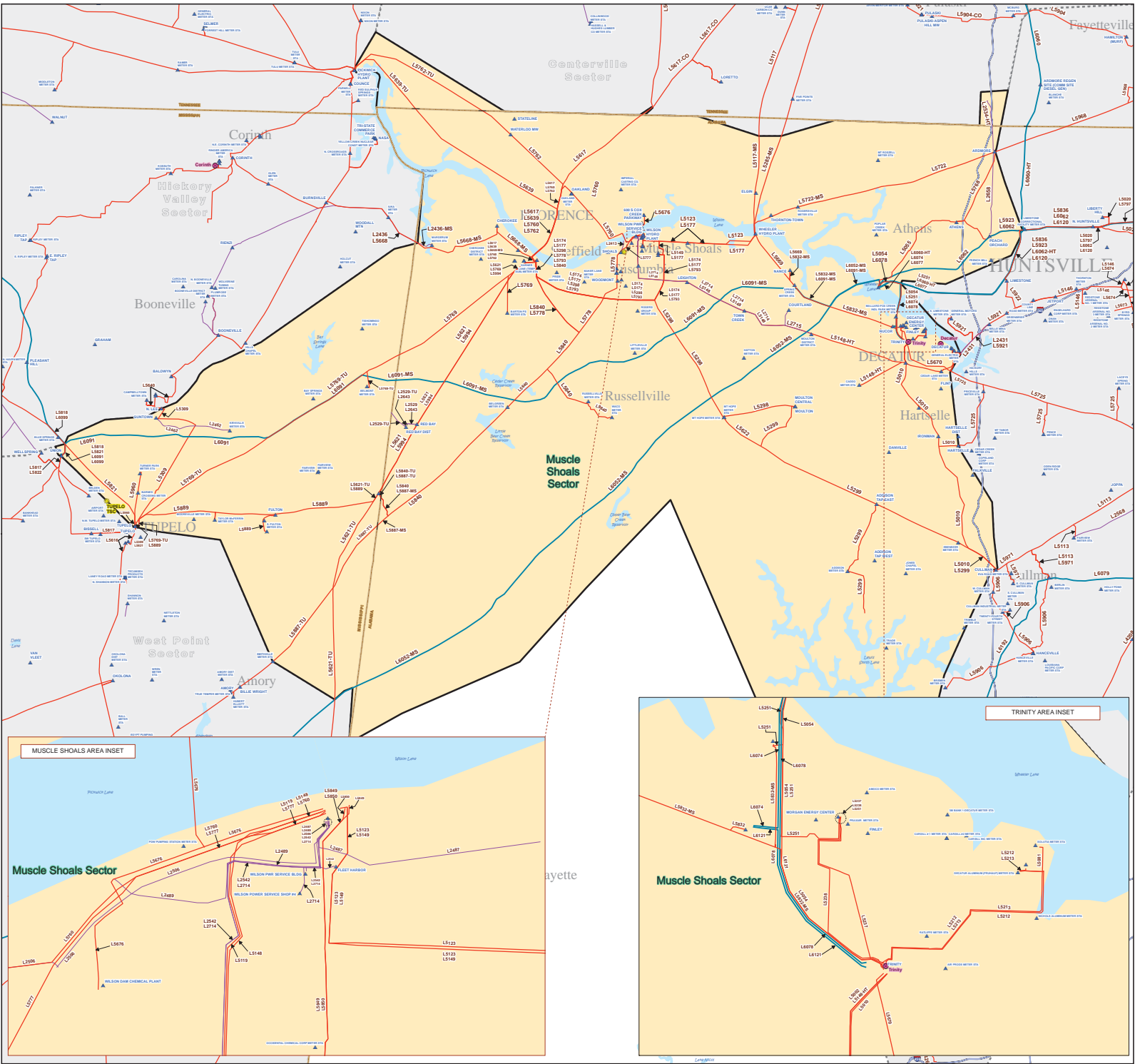
Milan Sector



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|----------------------------|--------------------------------|-------------------------|------------------|
| ▲ Stations | ● Crew Quarters | Legend | □ State Boundary |
| ■ Morristown Sector | ★ Transmission Service Centers | Transmission Lines | ■ Lakes |
| ■ Other R.O.W. Sector Area | ▲ Stations Meter Site ONLY | — 13; 26; 46; 69 kV | |
| | | — 115; 138; 161; 230 kV | |
| | | — 345; 500 kV | |
| | | — Interstate Highways | |

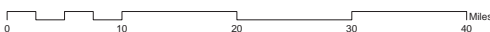
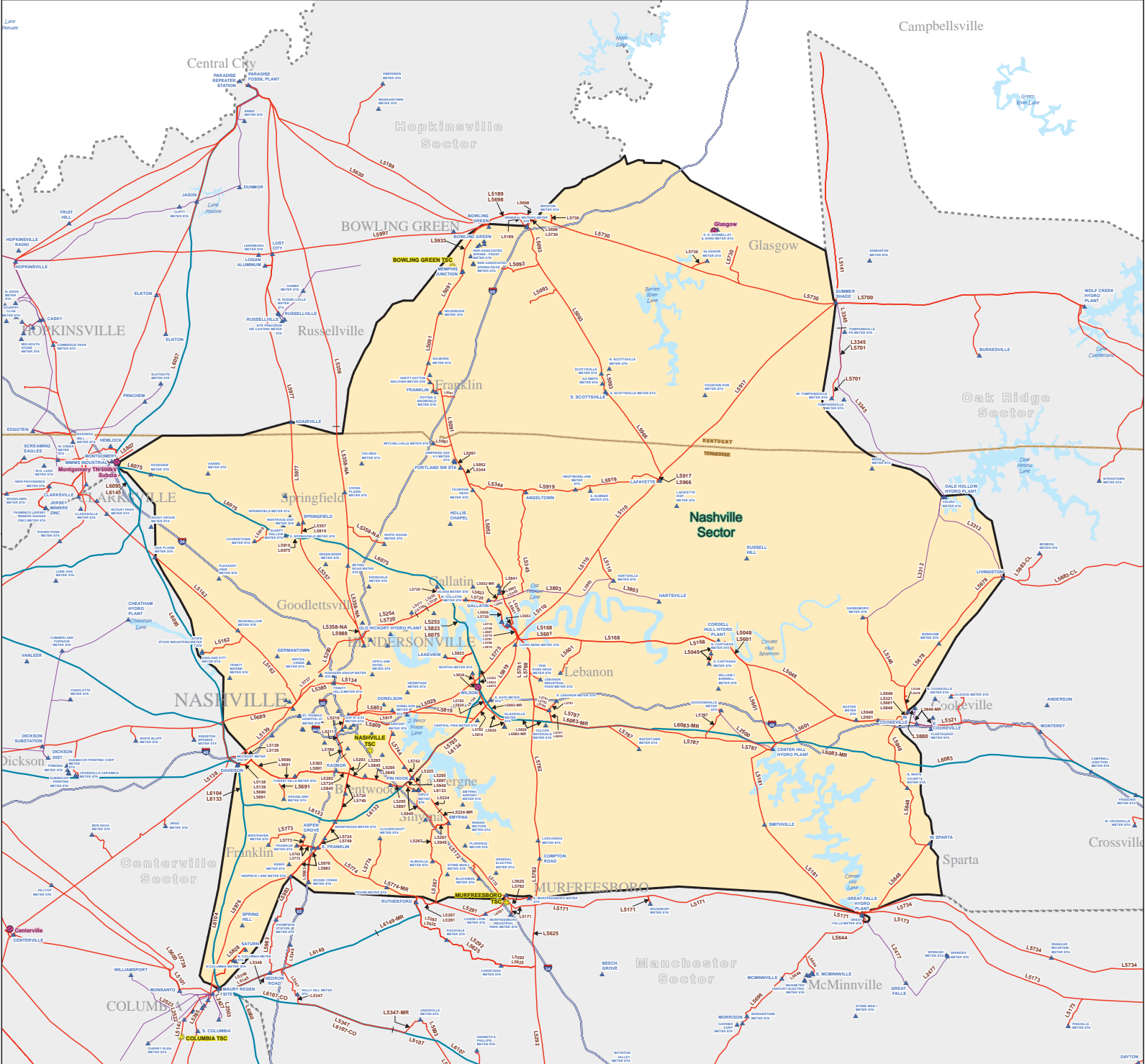
Morristown Sector





Muscle Shoals Sector

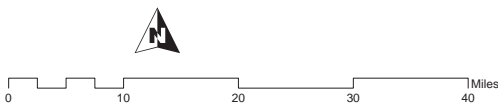
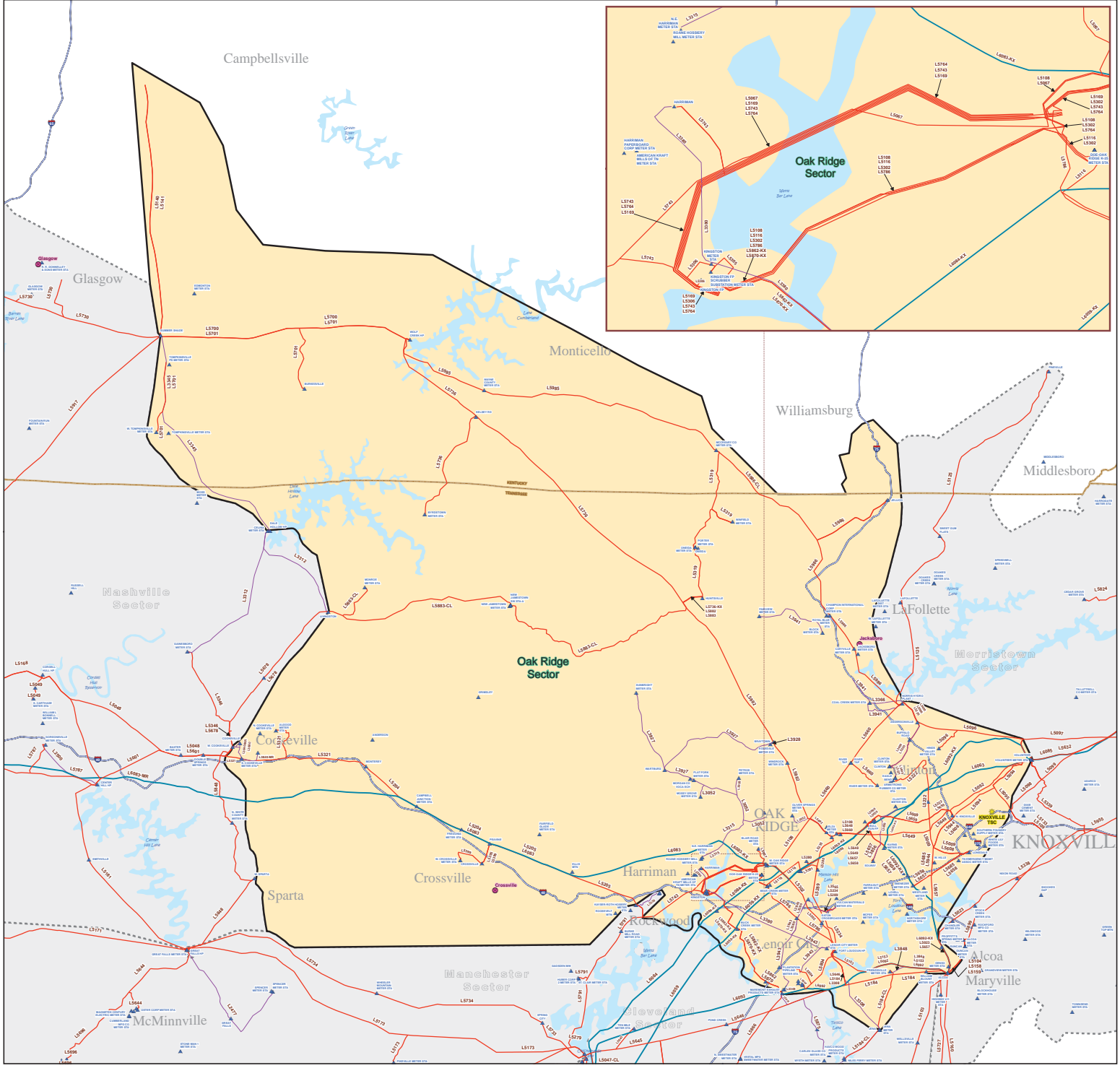




Nashville	Crew Quarters	Transmission Lines	Interstate Highways	State Boundary
Other R.O.W. Sector Area	Transmission Service Centers	13; 26; 46; 69 kV	Lakes	
	Stations	115; 138; 161; 230 kV		
		345; 500 kV		

Nashville Sector





- | | | | |
|------------------------------|-----------------------|-------------------|---------------------|
| Oak Ridge Sector | Crew Quarters | Legend | State Boundary |
| Transmission Service Centers | Transmission Lines | 13, 26, 46, 69 kV | Lakes |
| Stations | 115, 138, 161, 230 kV | 345, 500 kV | Interstate Highways |
| Other R.O.W. Sector Area | | | |

Oak Ridge Sector



Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Cleveland	MURPHY-MARBLE	L3010	115.9069053	9.59853412
Cleveland	E CLEVELAND-MCDONALD	L3036	374.7049539	28.93864777
Cleveland	ENGLEWOOD-MADISONVILLE	L3056	295.4347162	24.46972524
Cleveland	OCOEE HP 1-ETOWAH SW STA	L3314	195.4692016	21.77933867
Cleveland	OCOEE HP 2-OCOEE 3	L3322	150.1373674	12.4506814
Cleveland	OCOEE HP 1-E CLEVELAND	L3330	153.7647046	12.62361468
Cleveland	E CLEVELAND-RICEVILLE	L3373	202.2977917	16.74533135
Cleveland	MURPHY-HAYESVILLE	L3810	121.1584142	13.02962423
Cleveland	ROPER - MEAG	L4245	7.93649133	0.91706474
Cleveland	ALPHA - COLVARD	L4251	257.4311115	23.28673321
Cleveland	W RINGGOLD - CENTER POINT	L4255	321.8316879	19.38311375
Cleveland	SEQUOYAH NP - CHARLESTON 1	L5028	348.1930025	18.49026569
Cleveland	SEQUOYAH NP - CONCORD	L5039	565.8661701	22.19619739
Cleveland	SEQUOYAH-CHICKAMAUGA 1	L5043	203.0525567	11.4193389
Cleveland	SEQUOYAH NP-E CLEVELAND	L5044	336.1256695	18.77733317
Cleveland	SEQUOYAH - CHICKAMAUGA 2	L5046	231.8997368	10.23625956
Cleveland	SEQUOYAH-WATTS BAR HP	L5047	504.7100666	27.78006515
Cleveland	HIWASSEE - ALCOA SW STA	L5103	1211.905191	62.87124786
Cleveland	WATTS BAR HP - WATTS BAR 1	L5127	46.01075208	3.47405303
Cleveland	APALACHIA -E CLEVELAND1	L5179	443.2105781	24.43903809
Cleveland	HAWTHORNE - RIDGEDALE	L5219	180.3995951	15.02892422
Cleveland	WIDOWS CREEK-OGLETHORPE 2	L5614	303.3883385	11.97282398
Cleveland	WATTS BAR HP - ATHENS	L5645	448.0337004	25.05218183
Cleveland	FT LOUDOUN - ATHENS	L5646	348.033513	19.22830604
Cleveland	HIWASSEE - MURPHY	L5684	321.6962506	18.40667639
Cleveland	OGLETHORPE-CONCORD	L5697	83.12085691	4.61641663
Cleveland	OGLETHORPE - ROCK SPRING	L5711	102.519769	8.50029737
Cleveland	E CLEVELAND - CHARLESTON	L5740	140.4399883	7.75763255
Cleveland	APALACHIA -E CLEVELAND2	L5741	410.7550603	22.62996818
Cleveland	CHICKAMAUGA -CONCORD	L5752	145.859184	7.63813731
Cleveland	CHARLESTON - ATHENS	L5759	384.7138986	20.23583327
Cleveland	ATHENS-LOUDON	L5866	305.6276103	30.35986332
Cleveland	LOUDON - TRDA	L5875	147.9672161	11.37040337
Cleveland	MURPHY - TOCCOA RIVER	L5881	608.206111	46.00481959
Cleveland	BASIN -TOCCOA	L5929	188.5748328	10.968279
Cleveland	APALACHIA - BASIN	L5942	360.9254951	20.34464995
Cleveland	ATHENS-ETOWAH SW STA	L5961	172.5294646	14.50693887
Cleveland	E CLEVELAND - CATOOSA	L5991	565.1860387	31.90282244
Cleveland	BULL RUN- WATTS BAR NP 500 KV	L6059	806.8786071	28.60173419
Cleveland	SEQUOYAH-GEORGIA STATE LINE	L6065	620.2632273	20.36086698
Cleveland	WATTS BAR NP - SEQUOYAH 1	L6080	726.0889227	27.40538843
Cleveland	WATTS BAR NP - SEQUOYAH NP 2	L6081	745.3357976	33.61899009
Cleveland	WATTS BAR-ROANE	L6084	453.5304438	23.47182665
Cleveland	WATTS BAR-VOLUNTEER	L6092	645.7827928	29.06888707
Cleveland	FULLER - MOSS LAKE	L6111	164.060635	8.8760058
Cleveland	W RINGGOLD - ALPHA	L6115	498.539352	28.75842927
Cleveland	CONCORD - W RINGGOLD	L6118	308.6591864	17.31810265
Cleveland	ROCK SPRING - CENTER POINT	L6123	503.1652201	32.72879415

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Cleveland	CENTER POINT - MOSS LAKE	L6146	294.621368	16.48532313
Cleveland	WIDOWS CREEK-ROCK SPRINGS	L6183	543.8864414	29.8629871
Cleveland	LOOPERS FARM - ALPHA	L6184	384.3572652	21.86443374
Centerville	COLUMBIA-COLUMBIA DST	L2427	71.77319259	4.24653353
Centerville	COLUMBIA-W COLUMBIA	L2522	128.9316274	11.08876688
Centerville	COLUMBIA-MT PLEASANT	L2523	211.9577409	19.19858806
Centerville	MONSANTO-NAT CARBON	L2556	80.57470683	5.63535291
Centerville	COLUMBIA-HOOKER SHEA	L2561	19.32140668	1.53395745
Centerville	WAYNESBORO-WAYNESBORO DST2	L3062	77.89552443	5.19106359
Centerville	CHEATHAM-DICKSON	L3835	243.1309232	23.49351205
Centerville	WAYNESBORO DST-CLIFTON CITY	L3938	367.4899238	31.65645602
Centerville	JOHNSONVILLE-MCEWEN	L3945	242.7619554	20.05570443
Centerville	DICKSON-MCEWEN	L3946	144.5774034	15.17769732
Centerville	CUMBERLAND-CLARKSVILLE	L5017	410.6565126	22.66353396
Centerville	LAWRENCEBURG-PULASKI	L5021	233.4476545	20.40204676
Centerville	CENTERVILLE-MONSANTO	L5101	342.0764892	22.50764759
Centerville	WHEELER-Mt PLEASANT#1	L5117	743.8049646	41.40824711
Centerville	DAVIDSON-CENTERVILLE	L5138	495.1451123	42.2550686
Centerville	MAURY-MT PLEASANT	L5143	404.949208	22.29316076
Centerville	JOHNSONVILLE-MT PLEASANT1	L5151	1500.682739	66.27376214
Centerville	CLARKSVILLE-W NASHVILLE	L5162	219.9	12.15
Centerville	JOHNSONVILLE-CENTERVILLE	L5191	613.6095685	33.86568505
Centerville	JOHNSONVILLE-CUMBERLAND	L5197	524.7977034	30.17133592
Centerville	JOHNSONVILLE-DICKSON	L5206	229.2095496	12.63526077
Centerville	DICKSON-DAVIDSON	L5207	569.0265725	31.43187644
Centerville	MT PLEASANT-ELK RIDGE	L5284	403.328933	23.18230585
Centerville	WHEELER-MAURY	L5285	969.2733793	53.20694162
Centerville	JOHNSONVILLE-MONSANTO2	L5600	888.8285788	48.92751357
Centerville	JOHNSONVILLE-MT PLEASANT2	L5609	1201.43735	73.18582779
Centerville	JOHNSONVILLE-LAWRENCEBURG	L5610	335.0898408	16.08171346
Centerville	COLBERT-LAWRENCEBURG	L5617	896.4406786	58.25509405
Centerville	MT PLEASANT-LAWRENCEBURG	L5618	363.641936	18.90200755
Centerville	CENTERVILLE-WAYNESBORO	L5667	402.3163539	33.5765913
Centerville	JOHNSONVILLE-MONSANTO1	L5738	729.7123668	40.17967523
Centerville	MAURY-MONSANTO	L5739	79.8658982	5.05508497
Centerville	PULASKI-FAYETTEVILLE	L5904	171.9795903	13.87642206
Centerville	BROWNS FERRY-MAURY	L6060	824.0800189	34.03251882
Centerville	JOHNSONVILLE-DAVIDSON	L6061	1675.352167	60.24077622
Centerville	JOHNSONVILLE-CUMBERLAND	L6067	814.5222869	31.2593197
Centerville	CUMBERLAND-DAVIDSON	L6069	1418.955093	49.46265488
Centerville	DAVIDSON-MONTGOMERY	L6095	936.5511633	36.04066834
Centerville	CUMBERLAND-MONTGOMERY	L6145	696.4891525	33.38959265
Hopkinsville	OHIO CO-STEPHENSBURG	L3013	12.98114219	1.44460055
Hopkinsville	CADIZ-PEEDEE	L3337	137.7913062	11.38642028
Hopkinsville	RUSSELLVILLE-RUSSELLVILLE DST	L3341	164.5083307	13.34400972
Hopkinsville	KENTUCKY DAM-EARLINGTON	L3387	18.27109692	0.76294034
Hopkinsville	HOPKINSVILLE DST-EDGOTEN	L3388	473.8522656	37.08487933
Hopkinsville	MAYFIELD-HICKORY GROVE	L3843	102.7763753	8.6298938

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Hopkinsville	PARADISE-HOPKINSVILLE 3	L3926	332.9727197	36.63293486
Hopkinsville	KENTUCKY DAM-BENTON	L3934	146.4652608	10.79037623
Hopkinsville	KENTUCKY DAM-ROCKCASTLE	L3957	261.4459261	21.63262917
Hopkinsville	ROCKCASTLE-CADIZ	L3958	86.9046516	7.18784644
Hopkinsville	MARSHALL-CALVERT 1	L5034	68.08005848	2.91964012
Hopkinsville	MARSHALL-CALVERT 2	L5035	113.2251543	5.60759982
Hopkinsville	MARSHALL-C33(DOE)	L5079	197.547434	10.89385495
Hopkinsville	SHAWNEE-PEDUCAH	L5136	124.3563707	6.86409143
Hopkinsville	SHAWNEE-C-37(DOE)	L5145	196.2116193	3.74679395
Hopkinsville	PARADISE-E BOWLING GREEN	L5189	913.4241864	51.07506761
Hopkinsville	MONTGOMERY-OAKWOOD	L5264	177.8545544	13.03216105
Hopkinsville	PARADISE-HOPKINSVILLE 1	L5619	508.7234362	27.96346349
Hopkinsville	PARADISE-HOPKINSVILLE 2	L5620	511.8387173	28.35742913
Hopkinsville	PARADISE-BOWLING GREEN	L5630	497.7411374	27.52797165
Hopkinsville	PARADISE-CLARKSVILLE	L5631	728.1192403	41.34102505
Hopkinsville	KENTUCKY DAM-S CALVERT	L5634	133.3081964	8.76108523
Hopkinsville	BARKLEY-OAKWOOD SW ST	L5652	1521.999522	86.8006881
Hopkinsville	KENTUCKY DAM-BARKLEY1	L5653	35.40955104	2.02737454
Hopkinsville	KENTUCKY DAM-BARKLEY2	L5654	70.8494492	4.65715537
Hopkinsville	BARKLEY-HOPKINSVILLE	L5655	1178.333902	66.60386174
Hopkinsville	MARSHALL-MAYFIELD 1	L5694	405.4552919	22.32864448
Hopkinsville	SHAWNEE-CLINTON	L5704	741.014294	44.21464639
Hopkinsville	SHAWNEE-C-33(DOE)	L5707	310.1756599	8.03905182
Hopkinsville	KENTUCKY DAM-CALVERT	L5710	164.5121068	6.86274629
Hopkinsville	MONTGOMERY-CLARKSVILLE	L5807	258.493322	15.96913423
Hopkinsville	HOPKINSVILLE-CLARKSVILLE	L5974	803.9036987	43.68088833
Hopkinsville	PARADISE-GOODLETTSVILLE	L5987	746.5005832	41.08560608
Hopkinsville	PARADISE-N NASHVILLE	L5995	806.4	44
Hopkinsville	BOWLING GREEN-HOPKINSVILLE	L5997	1048.194209	56.7856367
Hopkinsville	PARADISE-MONTGOMERY	L6057	1877.170178	53.95291907
Hopkinsville	SHAWNEE-LUTESVILLE	L6070	12.77051327	0.63069027
Hopkinsville	SHAWNEE-MARSHALL	L6072	1072.857712	36.59915338
Hopkinsville	CUMBERLAND-MARSHALL	L6073	2364.677438	80.03059161
Hickory Valley	HICKORY VALLEY-WALNUT	L2501	223.3102469	18.47619552
Hickory Valley	HICKORY VALLEY-WHITESVILLE	L2511	134.6292044	13.86072953
Hickory Valley	BOONEVILLE-BOONEVILLE DST	L2595	47.48619202	5.2509873
Hickory Valley	NEW ALBANY-BELDEN	L2608	127.3323209	13.51232637
Hickory Valley	BOLIVAR-WHITESVILLE	L2676	75.94586606	8.36918294
Hickory Valley	MARTINTOWN-ENTERPRISE	L2712	104.9579281	11.55771746
Hickory Valley	HOLLY SPRINGS-OXFORD	L5003	547.7640281	30.61840683
Hickory Valley	ALLEN-HORN LAKE	L5063	94.5204132	7.81626003
Hickory Valley	PICKWICK-STR 190(S JACKSON)	L5085	269.3218346	14.86148034
Hickory Valley	CORDOVA-S JACKSON	L5190	1222.130629	70.54567555
Hickory Valley	OLIVE BRANCH-DESOTO RD	L5209	43.24716032	4.86385983
Hickory Valley	COUNCE-HICKORY VALLEY	L5216	1022.899298	57.61384635
Hickory Valley	CORDOVA-HICKORY VALLEY 1	L5217	645.5925518	37.57995018
Hickory Valley	HENDERSON-JACKSON	L5271	269.9288624	15.16249066
Hickory Valley	HENDERSON-JACKS CR	L5272	107.854861	8.89807207

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Hickory Valley	CORINTH-BIGGERSVILLE	L5335	105.6673122	8.74538258
Hickory Valley	CORDOVA-OLIVE BRANCH	L5606	744.5412883	35.96288688
Hickory Valley	COLBERT-SELMER	L5639	478.3885479	21.38669833
Hickory Valley	BOONEVILLE-N LEE	L5640	178.2664472	18.05209438
Hickory Valley	COLBERT-BURNSVILLE	L5668	209.9924607	14.66677371
Hickory Valley	BURNSVILLE-CORINTH	L5677	197.6527784	12.85623427
Hickory Valley	PICKWICK-TRI STATE	L5680	242.1963433	17.7875851
Hickory Valley	CORDOVA-HICKORY VALLEY 2	L5761	641.1988807	37.81368713
Hickory Valley	UNION-NEW ALBANY	L5818	124.7073258	6.89479467
Hickory Valley	PICKWICK-SAVANNAH	L5825	803.8584748	47.4127525
Hickory Valley	HOLLY SPRINGS-MILLER	L5861	555.4657806	38.27224875
Hickory Valley	BURNSVILLE-TRI STATE	L5873	62.68550569	5.19037501
Hickory Valley	PICKWICK-CORINTH	L5877	223.0793564	18.58609302
Hickory Valley	NEW ALBANY-HOLLY SPRINGS	L5890	767.0094505	39.54216747
Hickory Valley	NEW ALBANY-CORINTH	L5891	576.9883813	52.45715863
Hickory Valley	BURNSVILLE-BOONEVILLE	L5928	511.0667106	30.24947445
Hickory Valley	FREE PORT-MILLER	L5934	338.2583338	31.66650598
Hickory Valley	MILLER-OLIVE BRANCH	L5937	81.76542206	4.02635485
Hickory Valley	BOLIVAR-TOONE	L5958	1151.980993	83.86762507
Hickory Valley	PICKWICK-COUNCE	L5989	61.22500332	2.99556299
Hickory Valley	CORDOVA-FREEPORT	L6056	1026.96136	42.55979028
Hickory Valley	CORDOVA-SHELBY	L6089	741.4763229	21.53440611
Hickory Valley	PLEASANT HILL-UNION	L6099	279.9257124	11.40441323
Hickory Valley	SHELBY-DELL	L6101	262.0536106	12.4655897
Hickory Valley	HAYWOOD-CORDOVA	L6119	903.7612801	37.3293799
Hickory Valley	BENTON-CORDOVA	L6125	996.2360538	43.15626429
Hickory Valley	PLEASANT HILL-BENTON	L6137	576.8144719	27.22173722
Manchester	BELFAST-CORNERSVILLE	L2408	152.8787973	13.81080937
Manchester	GREAT FALLS-SPENCER	L2477	191.1003337	17.35258867
Manchester	WINCHESTER-HILLSBORO	L2547	283.4213694	27.27302476
Manchester	WINCHESTER-MONTEAGLE	L2702	178.8705436	19.51910891
Manchester	JASPER-S PITTSBURG	L3002	156.8126324	14.10705327
Manchester	WARTRACE-MANCHESTER	L5051	190.0780165	12.49890953
Manchester	CHICKAMAUGA -MOCCASIN2	L5069	100.1113429	7.49864997
Manchester	SEQUOYAH-MOCCASIN	L5072	390.2786191	15.48856387
Manchester	RACCOON MTN PS - MOCCASIN 1	L5073	99.50052597	2.58012006
Manchester	WIDOWS CR-GOOSE POND	L5157	680.167621	19.57368875
Manchester	WINCHESTER-WATTS BAR FP	L5167	1280.702266	71.86910916
Manchester	GREAT FALLS-MURFREESBORO	L5171	892.8080185	50.58472723
Manchester	WATTS BAR HP-GREAT FALLS	L5173	1017.733193	56.14294951
Manchester	WIDOWS CREEK- MOCCASIN	L5178	431.5398455	23.83158737
Manchester	WIDOWS CREEK - NICKAJACK	L5187	121.5630458	6.71975038
Manchester	WIDOWS CR-WINCHESTER	L5198	1000.298467	34.37473988
Manchester	RACCOON MTN PS-RACCOON MTN1	L5247	28.74304391	1.28714007
Manchester	ELK RIDGE-N LEWISBURG	L5257	78.53265588	8.08662559
Manchester	BELFAST-ELK RIDGE	L5258	231.6282737	15.62097178
Manchester	RUTHERFORD-MURFREESBORO	L5291	158.0927047	9.75727246
Manchester	WIDOWS CREEK-RACCOON MTN	L5613	262.6333804	14.47481469

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Manchester	WIDOWS CREEK-OGLETHORPE 2	L5614	356.4	18.6
Manchester	MURFREESBORO-WARTRACE	L5625	730.8718144	45.13515334
Manchester	FRANKLIN-AEDC	L5626	270.8419426	5.56610797
Manchester	GREAT FALLS-MCMINNVILLE	L5644	256.9693788	16.19628463
Manchester	NICKAJACK-RACCOON MOUNTAIN	L5681	610.7982077	29.88936246
Manchester	MCMINNVILLE-MANCHESTER	L5696	380.0226769	33.00488444
Manchester	FRANKLIN-WINCHESTER	L5702	142.3963462	7.89518282
Manchester	CHICKAMAUGA -MOCCASIN 1	L5716	203.6444547	10.88391145
Manchester	WIDOWS CREEK-RACCOON MTN 1	L5717	40.90835047	4.03161566
Manchester	WATTS BAR HP - SPRING CITY	L5733	83.42155243	4.63439494
Manchester	GREAT FALLS - SPRING CITY	L5734	840.3854011	46.29936872
Manchester	WIDOWS CREEK-OGLETHORPE 1	L5751	307.4507706	16.99312118
Manchester	FRANKLIN-BELFAST	L5766	567.8074075	33.49007372
Manchester	NICKAJACK - OGLETHORPE	L5779	269.685794	15.16271748
Manchester	WATTS BAR HP - ROCKWOOD	L5791	457.5792478	26.52037191
Manchester	FRANKLIN-WARTRACE 1	L5829	501.6137777	24.37704849
Manchester	GREAT FALLS-W COOKEVILLE	L5848	24.53440554	1.83335861
Manchester	WARTRACE-E SHELBYVILLE 1	L5925	86.45694809	7.30194766
Manchester	WARTRACE-E SHELBYVILLE 2	L5926	86.91919284	7.21209335
Manchester	E SHELBYVILLE-UNIONVILLE	L5993	240.920202	19.93628357
Manchester	WIDOWS CR-MADISON	L6055	78.52910656	3.30484525
Manchester	WIDOWS CREEK-SEQUOYAH	L6068	1498.01515	52.25924233
Manchester	WIDOWS CR-MILLER	L6079	9.39742729	0.43311561
Manchester	WIDOWS CREEK-RACCOON MTN	L6082	856.8767676	27.71515875
Manchester	SEQUOYAH-FRANKLIN	L6103	1678.326559	59.67665353
Manchester	MAURY-FRANKLIN	L6107	1755.47273	66.72183268
Manchester	MAURY-RUTHERFORD	L6149	906.9198531	50.2964109
Manchester	WIDOWS CREEK-ROCK SPRINGS	L6183	16.6244276	0.97985947
Madison	ALBERTVILLE-ALBERTVILLE DST	L2401	24.7298677	2.7344775
Madison	FORT PAYNE-GAYLESVILLE	L2425	455.7349096	37.83941046
Madison	ARAB-BRINDLYE	L2495	87.70234528	6.88488856
Madison	FAYETTEVILLE-SALEM	L2558	94.20510756	10.3826778
Madison	ARAB-FAIRVIEW	L2568	158.1297419	16.25184707
Madison	TIMS FORD-WINCHESTER	L2631	94.37444037	10.42752518
Madison	COLLINSVILLE-GERALDINE	L2648	84.19827879	9.27293183
Madison	ALBERTVILLE-WHITESBORO	L2682	110.45347	9.13077804
Madison	WINCHESTER-ANDERSON	L2701	228.1118773	23.72533975
Madison	SCOTTSBORO-HENAGAR	L2704	197.5612188	16.04360896
Madison	COLLINSVILLE-CENTRE	L2713	360.3301184	30.80409379
Madison	FT PAYNE-GROVE OAK	L2717	448.1165929	40.20870801
Madison	GUNTERSVILLE-FULTON DALE	L4208	1084.009155	59.72781958
Madison	BESSEMER(APCO)-S BESSEMER	L4260	28.90112622	2.41041855
Madison	GOOSE POND-SCOTTSBORO	L5013	207.2784138	10.11684815
Madison	MADISON-FARLEY2	L5015	171.1020896	9.69410152
Madison	MADISON-GOOSE POND	L5016	1064.206163	52.36591683
Madison	GOOSE POND-FT PAYNE	L5019	439.998701	27.62812283
Madison	BELLEFONT-SCOTTSBORO	L5032	89.81172378	5.02102748
Madison	EAST POINT-GUNTERSVILLE	L5113	675.5825992	40.3923518

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Madison	HUNTSVILLE-DECATUR	L5146	607.4536491	36.51719399
Madison	WIDOWS CR-GOOSE POND	L5157	376.3	19.99
Madison	GUNTERSVILLE-FARLEY	L5161	251.4252718	15.10514573
Madison	GUNTERSVILLE-ALBERTVILLE	L5163	592.0219957	34.95508618
Madison	MADISON-FARLEY1	L5673	323.1879982	19.46950158
Madison	GUNTERSVILLE-GOOSE POND	L5683	436.4258919	24.12979182
Madison	WIDOWS CR-BELLEFONTE	L5718	279.3700581	13.75554684
Madison	GUNTERSVILLE-DECATUR	L5725	873.1475811	51.4377412
Madison	WIDOWS CR-FT PAYNE	L5745	589.193938	33.95044351
Madison	ALBERTVILLE-FT PAYNE	L5869	758.9884342	42.27973868
Madison	PULASKI-FAYETTEVILLE	L5904	250.0122983	20.54195454
Madison	CULLMAN-HANCEVILLE	L5906	445.3761618	36.67254334
Madison	ARDMORE - FAYETTEVILLE	L5968	481.6573526	27.64518634
Madison	WINCHESTER-FAYETTEVILLE	L5981	535.8094963	28.14335513
Madison	WIDOWS CR-MADISON	L6055	1029.567	
Madison	BROWNS FERRY-MAURY	L6060	1703.676331	47.85157195
Madison	BROWNS FERRY-MADISON #1	L6062	1240.764503	37.33649698
Madison	WIDOWS CR-MILLER	L6079	2474.274706	108.63474
Milan	UNION CITY-GREAT LAKES	L3012	91.50451761	7.57044406
Milan	MILAN-MIDDALE	L3065	196.2443683	16.22973389
Milan	MILAN-TREZEVANT	L3324	145.1427066	10.27846596
Milan	MILAN-MILAN DST	L3801	113.3433585	12.49317865
Milan	MAYFIELD-WEST MURRAY	L3814	253.562534	20.95009911
Milan	JOHNSONVILLE-PARIS	L3817	201.3962554	16.65865609
Milan	DYERSBURG-BONICORD	L3859	47.5	5.2
Milan	DYERSBURG-RICHWOOD	L3861	127.7487335	12.12650462
Milan	MAYFIELD-PILOT OAK	L3930	210.5170205	11.60614479
Milan	CLINTON-GREAT LAKES	L3948	93.10039459	6.87740392
Milan	CLINTON-FULTON	L3954	124.6605176	10.93846888
Milan	FULTON-PILOT OAK	L3955	145.5631923	12.10655078
Milan	COVINGTON-DYERSBURG	L5061	1026.212559	56.42017804
Milan	WEAKLEY-DYERSBURG1	L5076	143.1495088	16.18992886
Milan	JOHNSONVILLE-S JACKSON	L5194	878.9683726	48.46823949
Milan	JOHNSONVILLE-BUD CROCKETT	L5195	463.0690632	25.5006547
Milan	UNION CITY-N UNION CITY	L5243	74.38615308	6.15261545
Milan	PARIS-MAYFIELD	L5252	577.5504469	31.76146326
Milan	CLINTON-MARTIN	L5266	461.070778	26.73120979
Milan	BUD CROCKETT--W LEXINGTON	L5273	97.07489499	8.04345849
Milan	JACKSON-BUD CROCKETT	L5274	847.4678214	54.25393158
Milan	MURRAY-MAYFIELD	L5275	357.2825353	19.25250403
Milan	MCKELLAR-S JACKSON	L5276	186.6948851	15.47460187
Milan	JACKSON-S JACKSON	L5602	214.4997961	12.39902861
Milan	WEAKLEY-MILAN	L5603	580.6508297	35.24039316
Milan	JOHNSONVILLE-MILAN	L5604	771.8032844	42.47194488
Milan	COVINGTON-ALAMO	L5605	99.81988261	5.52535654
Milan	JOHNSONVILLE-MARTIN	L5713	574.7208966	25.55891512
Milan	WEAKLEY-HWAY 412	L5715	686.4839623	38.8374572
Milan	WEAKLEY-UNION CITY1	L5771	382.1307148	18.97049075

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Milan	JOHNSONVILLE-PARIS	L5772	490.8668823	30.78070074
Milan	SHELBY-COVINGTON	L5798	548.3228841	27.47099957
Milan	JACKSON-MILAN	L5835	442.0311571	26.64906149
Milan	UNION CITY-TIPTONVILLE	L5885	434.4241947	36.63707078
Milan	JACKSON-S JACKSON 2	L5892	271.2796003	14.9507918
Milan	JACKSON-AMERISTEEL	L5893	21.24237336	2.37185802
Milan	JACKSON-MADISON	L5905	147.2435972	9.15918042
Milan	COVINGTON-BROWNSVILLE	L5913	955.5388814	63.26090573
Milan	MILAN-ALAMO	L5914	377.2139212	20.77962565
Milan	DYERSBURG-HWAY 412	L5930	211.2501016	9.23302148
Milan	HWAY 412-NEW TIPTONVILLE	L5931	320.8005711	26.55949327
Milan	TIPTONVILLE-NEW MADRID	L5941	62.99297573	5.2655564
Milan	MADISON WEST-McKELLAR	L5959	53.58272217	4.45016513
Milan	JOHNSONVILLE-JACKSON	L6051	1823.355619	65.87311586
Milan	LAGOON CR-WEAKLEY	L6053	1426.175109	53.60075028
Milan	JOHNSONVILLE-GLEASON	L6058	1158.661045	37.45039526
Milan	JACKSON-HAYWOOD	L6105	648.4875325	26.35251642
Milan	GLEASON-WEAKLEY	L6127	607.4737613	24.61805707
Milan	SHELBY-LAGOON	L6128	1126.755969	39.4357412
Muscle Shoals	SHOALS-FLORENCE	L2413	10.77048959	1.24895771
Muscle Shoals	MARGERUM-BURNSVILLE	L2436	23.64973525	1.997736
Muscle Shoals	GUNTOWN-KIRKVILLE	L2462	88.45752997	9.76526386
Muscle Shoals	WILSON HP-UNION CARBIDE	L2487	15.54538217	1.38824789
Muscle Shoals	WILSON HP-FLORENCE	L2489	32.3593746	1.89986499
Muscle Shoals	BELMONT-RED BAY	L2529	37.45041835	4.24646661
Muscle Shoals	ARDMORE-ELKTON	L2534	58.57719714	6.53654618
Muscle Shoals	ARDMORE-PEACH ORCHARD	L2658	87.63761228	9.95126675
Muscle Shoals	TRINITY-DECATUR#2	L5002	189.4541955	9.04741635
Muscle Shoals	TRINITY-CULLMAN	L5010	779.445187	35.43368577
Muscle Shoals	ATHENS-BROWNS FERRY	L5055	144.5061345	11.94604956
Muscle Shoals	WHEELER-Mt PLEASANT#1	L5117	199.4982741	11.09023728
Muscle Shoals	WILSON-WHEELER	L5123	864.315438	32.11725685
Muscle Shoals	WILSON-TRINITY	L5148	854.5423372	48.57479579
Muscle Shoals	COLBERT-REYNOLDS 1	L5174	808.4463848	23.77215651
Muscle Shoals	TRINITY-DECATUR E.C.	L5212	77.73394531	3.8651632
Muscle Shoals	MEC-TRINITY#1	L5237	87.58242363	5.08899714
Muscle Shoals	WHEELER-MAURY	L5285	204.0728772	11.26239791
Muscle Shoals	TUPELO-N LEE	L5309	324.0226584	20.93826816
Muscle Shoals	COLBERT-LAWRENCEBURG	L5617	264.1639385	14.55893049
Muscle Shoals	COLBERT-LOWNDES	L5621	481.6598112	26.57344548
Muscle Shoals	COLBERT-CULLMAN	L5622	1302.549533	82.07258138
Muscle Shoals	COLBERT-SELMER	L5639	579.2301453	32.05168367
Muscle Shoals	COLBERT-BURNSVILLE	L5668	312.6768306	19.1798074
Muscle Shoals	WHEELER-TRINITY	L5669	163.4515755	9.47808931
Muscle Shoals	TRINITY-DECATUR#1	L5670	179.3246215	9.91256944
Muscle Shoals	WILSON HP-FLORENCE	L5676	63.00398374	3.39624893
Muscle Shoals	WHEELER-ARDMORE	L5722	560.8938674	30.93128092
Muscle Shoals	WILSON-COLBERT	L5760	514.1143338	20.98785849

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Muscle Shoals	COLBERT-PICKWICK	L5762	573.4807952	31.5887618
Muscle Shoals	ARDMORE-ATHENS	L5768	169.0205523	9.32504794
Muscle Shoals	COLBERT-TUPELO	L5769	994.256129	51.92206203
Muscle Shoals	WILSON HP-SHOALS	L5777	189.3269781	5.71232467
Muscle Shoals	COLBERT-SHOALS	L5778	373.2261496	20.58294306
Muscle Shoals	UNION-TUPELO 2	L5821	246.6363495	13.59979533
Muscle Shoals	COLBERT-ST LINE1	L5840	1177.243863	69.606056
Muscle Shoals	WILSON HP-OCCIDENTAL	L5849	28.40769739	1.59405933
Muscle Shoals	ST LINE-TUPELO	L5889	611.7290046	34.66795734
Muscle Shoals	LIMESTONE-ATHENS	L5923	63.0898714	4.65540256
Muscle Shoals	TUPELO-TURNER PARK	L5960	61.44252689	7.02283787
Muscle Shoals	COLBERT-ST LINE2	L5994	575.684936	31.72297073
Muscle Shoals	BROWNS FERRY-WEST POINT	L6052	2034.753399	80.38787035
Muscle Shoals	BROWNS FERRY-MADISON #1	L6062	646.3555934	23.46362982
Muscle Shoals	BROWNS FERRY-TRINITY	L6074	609.8112684	10.91356559
Muscle Shoals	BROWNS FERRY-UNION	L6091	2426.166353	103.8308102
Morristown	FONTANA HP-PEPPERTREE	L1914	11.53571177	1.77846445
Morristown	NE JOHNSON CITY-ELIZABETHTON	L3034	64.89146048	5.38335602
Morristown	NE JOHNSON CITY-ERWIN	L3351	144.2233404	12.14707332
Morristown	WATUGA-WILBUR	L3364	10.55125385	0.95293209
Morristown	WATUGA-S HOLSTON	L3377	133.4144839	11.02713962
Morristown	BOONE-FT PATRICK HENRY	L3385	71.70774082	5.93634209
Morristown	JOHN SEVIER-FT PATRICK HENRY	L3821	111.9462185	9.25554165
Morristown	TUSCULUM-WASHINGTON COLLEGE	L3947	118.8912713	9.82202228
Morristown	SULLIVAN-NE JOHNSON CITY 1	L5005	96.70933719	8.01727383
Morristown	SULLIVAN-BLUFF CITY 1	L5006	67.55025458	3.74515111
Morristown	SULLIVAN-BLUFF CITY 2	L5007	95.85220174	5.29854977
Morristown	ALCOA SW STA - NIXON ROAD 2	L5023	229.3537182	12.73595507
Morristown	JOHN SEVIER-WHITE PINE 1	L5024	422.2918467	23.695232
Morristown	ELIZABETHTON-NE JOHNSON CITY	L5025	67.64388911	5.71729303
Morristown	SULLIVAN-ELIZABETHTON	L5026	146.79264	8.64323268
Morristown	SULLIVAN-N BRISTOL	L5070	374.9979864	26.48307131
Morristown	ELIZABETHTON-CRANBERRY 2	L5083	598.69475	49.46157537
Morristown	CHEROKEE-VOLUNTEER	L5097	328.2210524	18.30018437
Morristown	KNOX-VOLUNTEER 1	L5098	291.7166118	19.27375958
Morristown	VOLUNTEER-MORRISTOWN	L5099	89.29835938	4.9515075
Morristown	DOUGLAS-KNOXVILLE	L5109	492.5040462	26.7552699
Morristown	NORRIS-PINEVILLE	L5125	887.7604081	48.91847846
Morristown	FONTANA - SANTEEHLAH	L5135	76.69730985	4.21907339
Morristown	CHEROKEE-DOUGLAS	L5150	329.1587701	18.1522409
Morristown	FONTANA - ALCOA SW STA 1	L5160	762.4378429	27.80635759
Morristown	JOHN SEVIER-CHEROKEE 1	L5186	118.2273229	6.54331829
Morristown	ELIZABETHTON-SHOUNDS	L5208	381.6879718	27.02408252
Morristown	JOHN SEVIER-WHITE PINE 2	L5624	676.1013065	32.88385419
Morristown	BOONE-SULLIVAN	L5627	154.0848908	8.50295926
Morristown	JOHN SEVIER-VOLUNTEER	L5632	1328.941521	28.1117297
Morristown	JOHN SEVIER-JONESBOROUGH SW STA	L5633	692.8612298	38.20098857
Morristown	DOUGLAS-PIGEON FORGE 1	L5693	385.3743349	20.39047009

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Morristown	FONTANA - ALCOA SW STA 2	L5727	228.5012741	15.06027588
Morristown	PHIPPS BEND-PHIPPS BEND IND PK	L5728	17.04826711	1.38852561
Morristown	JOHN SEVIER-BOONE	L5750	734.538359	43.6846102
Morristown	DOUGLAS-WALTERS	L5805	308.0914219	25.45530912
Morristown	ELIZABETHTON-CRANBERRY 1	L5806	380.4782153	23.15300302
Morristown	JOHN SEVIER-CHEROKEE 2	L5824	994.9626199	81.75557599
Morristown	PIGEON FORGE-GATLINBURG	L5831	128.4640247	10.1004469
Morristown	DOUGLAS-PIGEON FORGE 2	L5871	179.476585	19.523624
Morristown	ALCOA - NIXON ROAD	L5899	207.8410398	11.92788915
Morristown	WHITE PINE-DUMPLIN VALLEY	L5940	347.8938001	20.32106275
Morristown	DUMPLIN VALLEY-NIXON RD	L5955	341.0321476	19.1361027
Morristown	DOUGLAS-WHITE PINE	L5957	469.3372067	35.70377648
Morristown	SULLIVAN-JONESBOROUGH	L5963	397.6639	23.58455224
Morristown	JONESBOROUGH-ERWIN	L5965	112.4980897	8.85127043
Morristown	SULLIVAN-BROADFORD	L6064	382.6170784	15.89467725
Morristown	VOLUNTEER-PHIPPS BEND	L6085	2795.588173	74.80162858
Morristown	PHIPPS BEND-POCKET	L6093	186.0915081	8.80861307
Morristown	PHIPPS BEND-NAGEL	L6094	441.6672187	13.9363602
Morristown	PHIPPS BEND-SULLIVAN	L6096	1183.880862	42.79529695
Morristown	SULLIVAN-NAGEL	L6098	544.356677	26.38063838
Nashville	CENTER HILL-GORDONSVILLE	L2500	54.99912767	6.09540686
Nashville	DALE HOLLOW-BYRDS TOWN	L3312	502.2942614	30.60352599
Nashville	WILSON-MARTHA	L5038	42.636719	1.90928859
Nashville	CORDELL HULL-S CARTHAGE	L5049	46.485582	3.53378015
Nashville	E BOWLING GREEN-PORTLAND	L5093	833.1409805	70.39367085
Nashville	GALATIN FP-SUMMERSHADE	L5110	1077.936385	60.2403281
Nashville	S NASHVILLE-W NASHVILLE	L5134	168.7319144	14.04643676
Nashville	DAVIDSON RD-DAVIDSON	L5139	139.7860699	6.80586175
Nashville	CLARKSVILLE-W NASHVILLE	L5162	538.9498073	32.06272396
Nashville	MURFREESBORO-SMYRNA 1	L5172	248.118319	14.2204036
Nashville	GREAT FALLS-CENTER HILL	L5181	538.5112228	29.74105997
Nashville	S NASHVILLE-CRAIGHEAD	L5210	23.64749987	1.97778199
Nashville	RADNOR-CRAIGHEAD	L5211	106.8475082	6.14390583
Nashville	SMYRNA-PIN HOOK	L5224	93.78849665	7.62877471
Nashville	W NASHVILLE-DAVIDSON RD	L5246	49.37085982	4.10052547
Nashville	RUTHERFORD-SMYRNA	L5267	129.3241327	10.75334561
Nashville	GALATIN-HARTSVILLE	L5345	395.3732721	36.70167788
Nashville	GALLATIN FP-W COOKEVILLE	L5601	1753.751468	79.00927893
Nashville	W COOKEVILLE-LIVINGSTON	L5678	543.8045784	32.6367776
Nashville	DAVIDSON-W NASHVILLE1	L5689	161.5459453	8.7140506
Nashville	DAVIDSON-RADNOR1	L5690	380.8457751	14.22739429
Nashville	GALATIN-W NASHVILLE	L5720	774.0675085	32.30673546
Nashville	RADNOR-E FRANKLIN1	L5724	239.1008094	9.96495439
Nashville	SUMMER SHADE- E BOWLING GREEN	L5730	801.7976498	46.947409
Nashville	PIN HOOK-MURFREESBORO RD	L5742	19.88613808	1.57476774
Nashville	MURFREESBORO RD-AIR PORT	L5744	59.29682252	4.94606827
Nashville	E FRANKLIN-FRANKLIN1	L5763	157.6502858	9.17627399
Nashville	RUTHERFORD-E FRANKLIN	L5774	231.5139051	19.14271628

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Nashville	GALLATIN FP-WILSON	L5775	132.421653	7.31376175
Nashville	GALLATIN-MURFREESBORO	L5782	773.35619	37.11341102
Nashville	CENTER HILL-LEBANON	L5787	320.0202167	19.26861096
Nashville	S NASHVILLE-AIR PORT	L5809	67.2674431	5.42637736
Nashville	GALLATIN-S NASHVILLE	L5819	526.7677159	26.33712435
Nashville	WILSON-LEBANON	L5820	162.167457	7.18883001
Nashville	MAURY-SATURN1	L5827	68.17811553	5.62965097
Nashville	RADNOR-CAIN RIDGE	L5845	164.6578196	6.8946124
Nashville	GREAT FALLS-W COOKEVILLE	L5848	365.7	29.7
Nashville	S NASHVILLE-WILSON	L5853	283.2817538	14.78217001
Nashville	PIN HOOK-CAIN RIDGE	L5897	27.67658765	1.52432423
Nashville	BOWLING GREEN-GALLATIN FP	L5933	1102.608938	67.84789595
Nashville	PIN HOOK-SMYRNA 2	L5949	91.34620291	9.65112322
Nashville	MAURY-E FRANKLIN1	L5976	479.2877922	26.73843323
Nashville	PARADISE-GOODLETTSVILLE	L5987	614.8270083	32.09472862
Nashville	PARADISE-N NASHVILLE	L5995	505.7065709	26.98927965
Nashville	MONTGOMERY-WILSON	L6075	1524.424143	63.87332449
Nashville	ROANE-WILSON	L6083	1736.23376	62.21798207
Nashville	MAURY-DAVIDSON	L6104	585.8254579	23.03446554
Nashville	DAVIDSON-PINHOOK	L6133	789.0505729	27.67997395
Nashville	PINHOOK-WILSON	L6134	481.7017949	15.40371311
Oak Ridge	OAK RIDGE-FLAT FORK	L3052	204.8755214	17.99087277
Oak Ridge	FT LOUDOUN -JENA	L3308	91.81290807	7.59759479
Oak Ridge	HARRIMAN-ADCOCK	L3315	87.93744796	7.27998519
Oak Ridge	NORRIS -COAL CREEK 1	L3366	51.15556754	4.22324051
Oak Ridge	MELTON HILL-HARRIMAN	L3380	225.5901172	15.9731358
Oak Ridge	FARRAGUT - MELTON HILL	L3565	51.2632847	4.27226603
Oak Ridge	W COOKEVILLE-ALGOOD	L3840	58.55980213	4.72790099
Oak Ridge	CLINTON - SOLWAY	L3856	58.69872974	4.93536183
Oak Ridge	BRAYTOWN-WARTBURG	L3927	365.0579012	30.09870472
Oak Ridge	BRAYTOWN-PETROS	L3928	6.81257256	0.58194175
Oak Ridge	NORRIS -COAL CREEK 2	L3941	267.2169905	18.71711232
Oak Ridge	MELTON HILL -LENOIR CITY	L3943	242.9713675	21.74649206
Oak Ridge	BULL RUN - LONSDALE 2	L5009	269.4467421	11.03116935
Oak Ridge	VOLUNTEER - N KNOXVILLE 1	L5092	183.4966073	9.85244484
Oak Ridge	VOLUNTEER - N KNOXVILLE 2	L5094	184.2922828	11.47584317
Oak Ridge	VOLUNTEER - KNOXVILLE 2	L5095	59.90533895	3.33934973
Oak Ridge	NORRIS-VOLUNTEER	L5096	275.1732326	16.35659255
Oak Ridge	KINGSTON-BULL RUN	L5108	1345.426153	53.72781637
Oak Ridge	NORRIS-PINEVILLE	L5125	38.5	2.15
Oak Ridge	SUMMERSHADE-BULLITT CO	L5140	551.9744868	30.38695877
Oak Ridge	FT. LOUDOUN-ALCOA 2	L5153	93.44541567	5.19410113
Oak Ridge	ALCOA SW STA - ALCOA 2	L5158	47.14172339	2.3038623
Oak Ridge	FT. LOUDOUN-ALCOA 1	L5184	453.4067956	26.1356347
Oak Ridge	W COOKEVILLE - PEAVINE SW STA	L5204	676.9358449	28.40147135
Oak Ridge	ROCKWOOD - PEAVINE SW STA	L5205	158.0388735	8.71407514
Oak Ridge	NORRIS - CLINTON	L5220	189.1983997	12.41976135
Oak Ridge	CLINTON - EAGLE BEND	L5221	21.14977978	1.84233671

Sect	Plot Description	Plot	GIS_ACREAGE	GIS_MILEAGE
Oak Ridge	N KNOXVILLE - EAGLE BEND	L5222	244.7631783	15.65746345
Oak Ridge	FT LOUDOUN - SPALLATION NEUTRON SOURCE	L5234	137.8041352	9.04110039
Oak Ridge	KINGSTON-FT LOUDOUN 2	L5302	141.3622755	7.80455163
Oak Ridge	LONSDALE - N KNOXVILLE	L5608	182.1864109	10.15056521
Oak Ridge	BULL RUN-ELZA	L5648	30.34346048	1.70812154
Oak Ridge	BULL RUN - N KNOXVILLE 2	L5649	192.7490454	10.67992417
Oak Ridge	BULL RUN-ALCOA	L5657	58.08653132	3.38041201
Oak Ridge	BULL RUN-LONSDALE1	L5658	274.1176961	15.97772153
Oak Ridge	BULL RUN FP - NORRIS	L5660	581.1298664	29.38596127
Oak Ridge	LONSDALE - W HILLS	L5685	24.79923856	1.41800109
Oak Ridge	WOLF CR-SUMMER SHADE	L5700	1577.662914	71.73062646
Oak Ridge	WOLF CR-HUNTSVILLE	L5736	2881.21169	188.3134642
Oak Ridge	ROCKWOOD - ROANE1	L5743	874.582278	21.00483576
Oak Ridge	KINGSTON FP - FT LOUDOUN	L5786	176.5235912	9.74411529
Oak Ridge	FT LOUDOUN-LOUDON	L5804	143.2487938	9.68953338
Oak Ridge	KINGSTON FP-LOUDON 1	L5862	283.3302577	15.79145846
Oak Ridge	ELZA - HUNTSVILLE	L5882	545.06627	29.97587792
Oak Ridge	NORRIS -MCCREARY CO	L5986	870.6372656	51.46924474
Oak Ridge	BULL RUN- WATTS BAR NP 500 KV	L6059	834.5817094	25.99605005
Oak Ridge	BULL RUN-VOLUNTEER	L6063	467.2366777	17.51580314
Oak Ridge	ROANE - WILSON	L6083	2006.950267	74.13700566
Oak Ridge	WATTS BAR-ROANE	L6084	394.144	
Oak Ridge	WATTS BAR-VOLUNTEER	L6092	1678.1663	70.80399676

Attachment 11 – Delegation of Authority Form

I, James R. Dalrymple, hereby designate the person or specifically described position below to be a duly authorized representative for the purpose of overseeing compliance with environmental requirements, including the Pesticide General Permit, for Right Of Way And Meter Management, Right Of Way (ROW). The designee is authorized to sign any reports, other documents required by the permit.

<u>Senior Manager, ROW</u>	(name of person or position)
<u>TN Valley Authority</u>	(company)
<u>1101 Market Street</u>	(address)
<u>Chattanooga, TN 37402</u>	(city, state, zip)
<u>423-751-4081</u>	(phone)

By signing this authorization, I confirm that I meet the requirements to make such a designation as set forth in General NPDES Permit For Discharges From the Application of Pesticides Permit Number TNP100000, and that the designee above meets the definition of a “duly authorized representative” in Appendix B.11 of the permit.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the pest management area, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: James R.. Dalrymple

Company: TN Valley Authority

Title: Senior Vice President, Transmission

Signature: _____

Date: _____