

**J. David Wade**  
**President & Chief Executive Officer**

**Contact Information**

**(b)(6)**

Chattanooga, TN

**Education**

University of Tennessee – Chattanooga  
Bachelor of Science in Engineering

**(b)(6)**

**Professional Experience**

**EPB, Chattanooga, TN**

2016 - Present

President & Chief Executive Officer

- Responsible for setting strategy, establishing goals, and overseeing operations of the EPB Energy and Fiber Optic Systems.

2009 – 2016

Executive Vice President & COO

- Responsible for operation of EPB's Smart Grid and community-wide fiber optic system.

2005 – 2009

Senior Vice President Electrical System Operations

- Responsible for the safe and reliable operation and delivery of electrical services to a customer base of approximately 170,000 accounts.
- Responsible for design and construction of EPB's Smart Grid.

2002 – 2005

Vice President Engineering & Construction

- Responsible for Field Engineering, Construction, and Metering.

2001 – 2002

Manager, Process Improvement

- Led EPB's first formal effort to document and improve processes.

2000 – 2001

Assistant Manager, Overhead Lines

- Responsible for the daily operation of the Overhead Line Department.

1994 – 2000

Job Schedule Coordinator

- Responsible for developing the process for scheduling all overhead line work.

1991 – 1994

Estimator and Senior Estimator

- Responsible to engineer overhead line projects.

1989 – 1991

Apprentice Lineman

1983 – 1989

Line Helper

### **Organizations**

- TVPPA Board of Directors
- Seven States Board of Directors
- TVA Valley Vision Team
- UTC Advisory Board College of Engineering & Computer Sciences
- Chattanooga Chamber Foundation Board of Directors
- Enterprise Center Board of Directors
- River City Company Board of Directors

**Ryan Keel**  
**Senior Vice President, Technical Operations**

**Contact Information**

**(b)(6)**

Chattanooga, TN

**Education**

- Bachelor of Science in Electrical Engineering  
Tennessee Technological University, **(b)(6)**
- Master of Business Administration  
The University of Tennessee – Chattanooga, **(b)(6)**

**Professional Experience**

**EPB, Chattanooga, TN**

2022 – Present

Senior Vice President, Technical Operations

- Responsible for operation of EPB's Smart Grid, fiber-optic communication system, and information technology.

2014 – 2022

Vice President, Technical Operations

- Responsible for operation of EPB's Smart Grid and fiber-optic communications system

2007 – 2014

Assistant Vice President, Technical Operations

- Responsible for engineering and operation of EPB's electric system
- Responsible for the design and deployment of EPB's distribution automation system and other smart grid initiatives

2004 – 2007

Manager, Preventive Maintenance

- Responsible for engineering and maintenance of EPB substations and major underground systems

2002 – 2004

Manager, System Analysis & Control

- Responsible for power system protection and automation

2000 – 2002

Engineer II, System Planning / Process Improvement

- Document and improve EPB processes across the organization.

1997 – 2000

Engineer I, System Planning Engineering

- Improve reliability by initiating improvements to infrastructure and operations based on power system analysis.

### **Organizations**

- TVA Regional Grid Transformation Team
- TVPPA Certified Power Executive, 2006
- Leadership Chattanooga Graduate, 2007
- Chattanooga Breakfast Rotary Club (Past President / Board Member)

**James B. Glass, Jr.**  
**Senior Manager, Smart Grid Development**

**Contact Information**

**(b)(6)**

Ooltewah, TN

**Education**

- Completed Wharton School for Executive Education on Strategic Alliances, (b)(6)
- Certified Reliability Engineer by American Society for Quality Control, (b)(6)
- Bachelor of Science in Industrial Engineering, Graduated with Highest Honors University of Tennessee, (b)(6)

**Professional Experience**

**EPB, Chattanooga, TN**

June 2010 – present

Senior Manager, Smart Grid Development

- Responsible for implementation and operation of EPB's Smart Grid which includes:
  - Approximately 1,500 automated switches on the Distribution and Sub-Transmission system. As a result of this initiative, EPB's reliability performance improved by over 50%.
  - Automated Metering Infrastructure and associated Meter Data Management System. Annual operational savings of over \$2 million.
  - Replacement of SCADA System to accommodate growth in end points. Currently polling over 150,000 end points every 2 seconds.
  - Distribution Management System including Voltage/VAR management, Distribution Voltage Reduction, Fault Locating, Feeder Reconfiguration and Geographic Facilities Model
  - Demand Management Technology that provides hourly load forecast, demand reduction availability assessment and performance measurement of demand reduction events.
- Responsible for EPB's System Planning Function which includes:
  - Perform capacity analysis of system for substation and distribution facilities.
  - Identify system improvement opportunities to improve reliability.
- Responsible for Controls Engineering Function which includes:
  - Design and operation of system protection for EPB's 46kv and 12kv breakers
  - Design and operation of controls for LTC's, voltage regulators and capacitor banks
- Responsible for Distributed Energy Resources implementation including 1.3 MW Solar PV, Four energy storage systems with total of 6.2 MW, 500 kW natural gas generator.

## **Florida Power & Light Company**

August 2009 – May 2010

Manager, Distribution Smart Grid

- Responsible for developing strategy, selecting components, and designing integration of technology for FPL's Distribution Smart Grid Program.
  - Prepared proposal for Distribution components of FPL's \$200 Million Department of Energy Stimulus Award.
  - Developed strategic plans for integrating Automated Metering data with Distribution Outage Management, Reliability Reporting and Load Analysis.

June 2006 – August 2009

Emergency Preparedness Manager

- Responsible for designing and managing FPL's emergency response plans, processes, and technology. Working closely with all business units to coordinate emergency response plans, business continuity and emergency communications.
  - Managed the development of restoration processes and technology including storm damage forecasting model, restoration prioritization, damage assessment, resource allocation and back-office administration.
  - Developed annual training material for all storm roles within Distribution Business Unit. Developed scenario and conducted FPL's annual Storm Dry Run exercise for approximately 3000 employees to prepare for hurricane season and test new processes and technology.
  - Successfully transitioned to Incident Command System for managing FPL's storm response plan.

March 2000 – June 2006

Technology Manager, Power Systems Technology

April 1997 – March 2000

Manager, South Florida Dispatch

### **Other Positions held at FLP:**

- Supervisor, South Florida Dispatch (10/1995 – 4/1997)
- Reliability Research Coordinator (10/1993 – 10/1995)
- Dispatch Office Operations Coordinator (7/1991 – 10/1993)
- Division Reliability Coordinator (2/1990 – 7/1991)
- Statistical and Reliability Analyst (3/1988 – 2/1990)
- Management Services Analyst (8/1986 – 3/1988)

**Marie Webb**  
**Senior VP Human Resources & Chief Talent & Inclusion Officer**

**Contact Information**

**(b)(6)**

Cleveland, TN

**Education**

- Master's degree (M.Ed.) Human Resource Development  
Xavier University, Cincinnati, OH **(b)(6)**
- BA – Liberal Arts  
Denison University, Granville, OH **(b)(6)**

**Training/Licenses & Certifications**

- MBTI (Myers-Briggs Type Indicator)  
CPP, Inc., Feb 2014
- DISC  
Inscape Publishing, May 2007
- Targeted Selection  
Development Dimensions International,  
Jan 1999

**Professional Experience**

**EPB, Chattanooga, TN**

July 2020 – Present

Senior VP Human Resources & Chief Talent & Inclusion Officer

- Leads Diversity & Inclusion and Community Workforce partnerships in addition to existing responsibilities in Human Resources.
- Engages with all departments and divisions to ensure EPB has a talented, diverse, and empowered workforce to prepare for success now in the future.
- Leads the implementation of new Diversity & Inclusion strategies that helps drive an inclusive culture focused on innovation and business success.
- Job Shadowing, Additional skills training, Opportunities to join Employee Resource Groups made available programs to help all employees feel welcome, supported, and valued.
- Ensures company initiatives maintain a consistent alignment to EPB's mission, policies, talent recruitment and training efforts.

May 2011 – July 2020

VP Human Resources

May 2009 – May 2011

Organizational Development Specialist

**Chattanooga Housing Authority, Chattanooga, TN**

September 2006 – July 2007

**Training Specialist**

- Responsible for training and development activities for all personnel.
- Obtained DISC certification.
- Maintained training calendar for both technical and professional training.
- Performed strategic planning and goal setting seminars for executive leadership.

**Social Security Administration, U.S. Government, Knoxville, TN**

September 2002 – January 2006

**Security Benefits Specialist (Promotion in October 2003)**

- Evaluate compensation and earnings records for individuals to determine the appropriate amount of Social Security Benefits to be paid to the recipient.
- Research federal, state, and local laws to properly coordinate federal disability and benefits.
- Work with attorneys, insurance companies and other agencies to provide timely administration of Federal Benefit programs.
- Interview and investigate client allegations to determine proper benefit entitlement.

**Premier Manufacturing Support Services Inc., Cincinnati, OH**

September 1999 – January 2002

**Corporate Employment Manager**

- Responsible for staffing corporate and field operations for 1,500+ employees.
- Administered 2-day Interview and employment skills training (DDI's Targeted Selection).
- Developed and implemented employee recognition program. Co-wrote monthly employee newsletter to more than 1,500 employees and 500 customers and suppliers.
- Produced a New Hire Orientation Program/CD-ROM for new employees.
- 30-50% travel. Managed \$100,000 Department Budget.

**Staples Corp (National Call Center), Florence, KY**

May 1998 – September 1999

**HR Generalist**

**Other Experience:**

- Human Resources Experience
- Project Management Experience
- Management and Development Skills



**William Plank**  
**Community Economist**

**Contact Information**

**(b)(6)**

Lookout Mountain, GA

**Training**

IMPLAN Certified Economist

March 2023 (Expires March 2025)

Credential ID: 202301600

NABE Certifications

- Applied Economics (August 2019)
- Writing Skills for Business Economists & Analysts (October 2019)
- Communication & Presentation Skills for Business Economists & Analysts (Feb 2020)
- Economic Measurement (Feb. 2020)
- Economics of Strategy & Managerial Decision Making (April 2020)
- Business Applications of Statistics & Data Analytics (April 2020)

**Education**

- B.S. Economics, Minor: Business Administration  
University of Tennessee – Chattanooga **(b)(6)**
- A.S. Business Administration & Management, General  
Chattanooga State Community College **(b)(6)**

**Professional Experience**

**EPB, Chattanooga, TN**

April 2022 - Present

Community Economist

- Responsible economic impact analysis of EPB programs and Energy/Communications Industries
- Responsible for analysis of Community Economic Trends including: Labor Force, Demographics, Household Health, Economic Output & Growth

July 2020 – April 2022

Research Analyst

- Responsible for economic impact studies of operational activities and the effects on the local economy, including comprehensive economic profiles for each area in EPB's service territory.

- Responsible for annual industry reports in Energy, Communications and Economy

August 2018 – July 2020

Research Associate

- Responsible for annual industry reports in Energy, Communications and Economy
- Responsible for the development of a regional Input-Output Economic model tailored for the energy industry
- Responsible for industry specific research & white paper development

October 2016 – August 2018

Strategic Research Fellow

- Responsible for daily research and analysis of trends and drivers in the local & national communications and electrical markets, including financial data visualizations
- Responsible for Economic and financial model creation with excel & Tableau software, using data from government sources (BEA, Census, BLS)

**Bargain Hunt, Hixson, TN**

January 2016 – October 2016

Assistant Store Manager

**Toys R' Us**

November 2011 – January 2016

Department Manager

## **Organizations**

- TVA Connected Communities Steering Committee Member
- IMPLAN Certified Economist Roundtable

## Other Attachment File(s)

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\* Mandatory Other Attachment Filename:

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To add more "Other Attachment" attachments, please use the attachment buttons below.

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### Project/Performance Site Location(s)

**Project/Performance Site Primary Location**  I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

**Project/Performance Site Location 1**  I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

**Project/Performance Site Location 2**  I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

## Project/Performance Site Location(s)

### Project/Performance Site Location 3

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Electric Power Board of Chattanooga

UEI: QC4YY1MNP1K5

\* Street1: 3833 Chattanooga Valley Road

Street2:

\* City: Flintstone

County: Walker

\* State: GA: Georgia

Province:

\* Country: USA: UNITED STATES

\* ZIP / Postal Code: 30725-2461

\* Project/ Performance Site Congressional District: GA-014

### Project/Performance Site Location 4

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Electric Power Board of Chattanooga

UEI: QC4YY1MNP1K5

\* Street1: 9754 Dayton Pike

Street2:

\* City: Soddy Daisy

County: Hamilton

\* State: TN: Tennessee

Province:

\* Country: USA: UNITED STATES

\* ZIP / Postal Code: 37379-4728

\* Project/ Performance Site Congressional District: TN-003

### Project/Performance Site Location 5

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Electric Power Board of Chattanooga

UEI: QC4YY1MNP1K5

\* Street1: 1238 Taft Highway

Street2:

\* City: Signal Mountain

County: Hamilton

\* State: TN: Tennessee

Province:

\* Country: USA: UNITED STATES

\* ZIP / Postal Code: 37377-3294

\* Project/ Performance Site Congressional District: TN-003

## Project/Performance Site Location(s)

### Project/Performance Site Location 6

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

### Project/Performance Site Location 7

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

### Project/Performance Site Location 8

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

## Project/Performance Site Location(s)

### Project/Performance Site Location 9

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Electric Power Board of Chattanooga

UEI: QC4YY1MNP1K5

\* Street1: 1305 Patten Road

Street2:

\* City: Lookout Mountain

County: Walker

\* State: GA: Georgia

Province:

\* Country: USA: UNITED STATES

\* ZIP / Postal Code: 30750-2620

\* Project/ Performance Site Congressional District: GA-014

### Project/Performance Site Location 10

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Electric Power Board of Chattanooga

UEI: QC4YY1MNP1K5

\* Street1: 13344 Highway 41

Street2:

\* City: Guild

County: Marion

\* State: TN: Tennessee

Province:

\* Country: USA: UNITED STATES

\* ZIP / Postal Code: 37396-3000

\* Project/ Performance Site Congressional District: TN-003

### Project/Performance Site Location 11

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name: Electric Power Board of Chattanooga

UEI: QC4YY1MNP1K5

\* Street1: 4441 Highway 134

Street2:

\* City: Whiteside

County: Marion

\* State: TN: Tennessee

Province:

\* Country: USA: UNITED STATES

\* ZIP / Postal Code: 37396-3000

\* Project/ Performance Site Congressional District: TN-003

## Project/Performance Site Location(s)

### Project/Performance Site Location 12

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

### Project/Performance Site Location 13

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

### Project/Performance Site Location 14

I am submitting an application as an individual, and not on behalf of a company, state, local or tribal government, academia, or other type of organization.

Organization Name:

UEI:

\* Street1:

Street2:

\* City:  County:

\* State:

Province:

\* Country:

\* ZIP / Postal Code:  \* Project/ Performance Site Congressional District:

Additional Location(s)

Add Attachment

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Application for Federal Assistance SF-424		
* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
* 3. Date Received: <input type="text" value="04/06/2023"/>	4. Applicant Identifier: <input type="text" value="EPB of Chattanooga"/>	
5a. Federal Entity Identifier: <input type="text" value="QC4YY1MNP1K5"/>	5b. Federal Award Identifier: <input type="text"/>	
<b>State Use Only:</b>		
6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>	
<b>8. APPLICANT INFORMATION:</b>		
* a. Legal Name: <input type="text" value="Electric Power Board of Chattanooga"/>		
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="62-6000258"/>	* c. UEI: <input type="text" value="QC4YY1MNP1K5"/>	
<b>d. Address:</b>		
* Street1: <input type="text" value="10 W MLK Blvd"/>	Street2: <input type="text"/>	
* City: <input type="text" value="Chattanooga"/>	County/Parish: <input type="text" value="Hamilton"/>	
* State: <input type="text" value="TN: Tennessee"/>	Province: <input type="text"/>	
* Country: <input type="text" value="USA: UNITED STATES"/>	* Zip / Postal Code: <input type="text" value="37422-1832"/>	
<b>e. Organizational Unit:</b>		
Department Name: <input type="text" value="Legal Services"/>	Division Name: <input type="text" value="Legal Services"/>	
<b>f. Name and contact information of person to be contacted on matters involving this application:</b>		
Prefix: <input type="text" value="Mrs."/>	* First Name: <input type="text" value="Kelli"/>	
Middle Name: <input type="text"/>	* Last Name: <input type="text" value="Grimes-Ballard"/>	
Suffix: <input type="text"/>	Title: <input type="text" value="Director of Privacy"/>	
Organizational Affiliation: <input type="text" value="EPB of Chattanooga"/>		
* Telephone Number: <input type="text" value="423-648-1218"/>	Fax Number: <input type="text" value="423-648-1248"/>	
* Email: <input type="text" value="ballardkl@epb.net"/>		

**Application for Federal Assistance SF-424**

**\* 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

**\* 10. Name of Federal Agency:**

National Energy Technology Laboratory

**11. Catalog of Federal Domestic Assistance Number:**

81.254

CFDA Title:

Grid Infrastructure Deployment and Resilience

**\* 12. Funding Opportunity Number:**

DE-FOA-0002740

\* Title:

BIL Grid Resilience and Innovation Partnerships ( GRIP)

**13. Competition Identification Number:**

Title:

**14. Areas Affected by Project (Cities, Counties, States, etc.):**

Add Attachment

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**\* 15. Descriptive Title of Applicant's Project:**

EPB Chattanooga Grid Resiliency Upgrades: Network Conversions & Microgrids

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424**

**16. Congressional Districts Of:**

\* a. Applicant

\* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

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**17. Proposed Project:**

\* a. Start Date:

\* b. End Date:

**18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="32,375,691.00"/>
* b. Applicant	<input type="text" value="32,375,691.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="64,751,382.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes  No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 18, Section 1001)**

\*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title:

\* Telephone Number:  Fax Number:

\* Email:

\* Signature of Authorized Representative:  \* Date Signed:

**BUDGET INFORMATION - Non-Construction Programs**

OMB Number: 4040-0006  
Expiration Date: 02/28/2025

**SECTION A - BUDGET SUMMARY**

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Budget Period 1		\$	\$	\$ 5,089,770.27	\$ 5,089,770.50	\$ 10,179,540.77
2. Budget Period 2				7,240,666.44	7,240,666.50	14,481,332.94
3. Budget Period 3				10,107,457.80	10,107,458.00	20,214,915.80
4. Budget Period 4 & 5				9,837,796.13	9,837,796.00	19,675,592.13
<b>5. Totals</b>		\$	\$	\$ 32,275,690.64	\$ 32,275,691.00	\$ 64,551,381.64

**SECTION B - BUDGET CATEGORIES**

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Budget Period 1	(2) Budget Period 2	(3) Budget Period 3	(4) Budget Period 4 & 5	
<b>a. Personnel</b>	\$ 832,068.85	\$ 793,761.58	\$ 680,873.06	\$ 894,786.50	\$ 3,201,489.99
<b>b. Fringe Benefits</b>	0.00	0.00	0.00	0.00	0.00
<b>c. Travel</b>	0.00	0.00	0.00	0.00	0.00
<b>d. Equipment</b>	5,585,569.28	10,972,768.14	17,716,768.14	16,383,387.22	50,658,492.78
<b>e. Supplies</b>	0.00	0.00	0.00	0.00	0.00
<b>f. Contractual</b>	3,761,902.65	2,714,803.22	1,817,274.60	2,397,418.40	10,691,398.87
<b>g. Construction</b>	0.00	0.00	0.00	0.00	0.00
<b>h. Other</b>	0.00	0.00	0.00	0.00	0.00
<b>i. Total Direct Charges (sum of 6a-6h)</b>	10,179,540.78	14,481,332.94	20,214,915.80	19,675,592.12	\$ 64,551,381.64
<b>j. Indirect Charges</b>	0.00	0.00	0.00	0.00	\$ 0.00
<b>k. TOTALS (sum of 6i and 6j)</b>	\$ 10,179,540.78	\$ 14,481,332.94	\$ 20,214,915.80	\$ 19,675,592.12	\$ 64,551,381.64
<b>7. Program Income</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

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**SECTION C - NON-FEDERAL RESOURCES**

(a) Grant Program		(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8.	Budget Period 1	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
9.	Budget Period 2	0.00	0.00	0.00	0.00
10.	Budget Period 3	0.00	0.00	0.00	0.00
11.	Budget Period 4 & 5	0.00	0.00	0.00	0.00
<b>12. TOTAL (sum of lines 8-11)</b>		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**SECTION D - FORECASTED CASH NEEDS**

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
14. Non-Federal	\$ 0.00	0.00	0.00	0.00	0.00
<b>15. TOTAL (sum of lines 13 and 14)</b>	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT**

(a) Grant Program		FUTURE FUNDING PERIODS (YEARS)			
		(b)First	(c) Second	(d) Third	(e) Fourth
16.	Budget Period 1	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
17.	Budget Period 2	0.00	0.00	0.00	0.00
18.	Budget Period 3	0.00	0.00	0.00	0.00
19.	Budget Period 4 & 5	0.00	0.00	0.00	0.00
<b>20. TOTAL (sum of lines 16 - 19)</b>		\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

**SECTION F - OTHER BUDGET INFORMATION**

21. Direct Charges: 0	22. Indirect Charges: 0
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23. Remarks: For the purposes of the SF-424A mandatory form, we combined Budget Periods 4 and 5 from our Budget Justification Workbook attached to this application to meet the required fields. SF-424A Form did not allow the addition of a 5th row.

# DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013  
Expiration Date: 02/28/2025

<b>1. * Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. * Status of Federal Action:</b> <input type="checkbox"/> a. bid/offer/application <input checked="" type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. * Report Type:</b> <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
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**4. Name and Address of Reporting Entity:**

Prime     SubAwardee

\* Name:

\* Street 1:     Street 2:

\* City:     State:     Zip:

Congressional District, if known:

**5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:**

<b>6. * Federal Department/Agency:</b> <input type="text" value="Department of Energy"/>	<b>7. * Federal Program Name/Description:</b> <input type="text" value="Grid Infrastructure Deployment and Resilience"/> CFDA Number, if applicable: <input type="text" value="81.254"/>
---	--

<b>8. Federal Action Number, if known:</b> <input type="text"/>	<b>9. Award Amount, if known:</b> \$ <input type="text"/>
--	--

**10. a. Name and Address of Lobbying Registrant:**

Prefix  \* First Name  Middle Name

\* Last Name  Suffix

\* Street 1:     Street 2:

\* City:     State:     Zip:

**b. Individual Performing Services** (including address if different from No. 10a)

Prefix  \* First Name  Middle Name

\* Last Name  Suffix

\* Street 1:     Street 2:

\* City:     State:     Zip:

**11.** Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

\* Signature:

\* Name: Prefix  \* First Name  Middle Name   
\* Last Name  Suffix

Title:     Telephone No.:     Date:

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Standard Form - LLL (Rev. 7-97)

# EPB Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids

Topic Area 1: Grid Resilience Grants

**Electric Power Board of Chattanooga (Chattanooga, TN)**  
Distribution Provider

**Business Point of Contact:**

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**Technical Point of Contact:**

Jim Glass

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**Project Team Member Organizations:**

Electric Power Board of Chattanooga (Lead)

Estimated Total Project Cost: \$64,551,382

Project Duration: 60 Months

**Project Locations:**

Hamilton County, TN

**Department of Energy (DOE)**

**Grid Development Office (GDO)**

**BIL – Grid Resilience and Innovation Partnerships (GRIP)**

**Funding Opportunity Announcement (FOA) Number: DE-FOA-0002740**

**Assistance Listing Number: 81.254**



## **Project Overview**

Electric Power Board of Chattanooga (EPB) proposes to match the DOE GRIP Grid Resilience Grant program to form a \$64.6 million investment in an effort to upgrade and demonstrate continuous improvement in resiliency and reliability, while also improving our ability to better monitor and operate the electric system. DOE's GRIP funds would complement the current 10-year, \$70 million smart grid modernization investment plan (2023 – 2032), while also accelerating a number of grid resiliency investments EPB has included in their long-term capital budget. This would include acceleration of deployment in three resiliency efforts: 1) six microgrids (Task 2.0), 2) 268 fused lateral circuits converted from overhead-to-underground (Task 3.0), and 3) replacement of 1,338 poles (Task 4.0). These activities are intended to reduce the likelihood and impact of extreme weather and natural disasters and will match several broad activities DOE is seeking including monitoring and control technologies, undergrounding of electric equipment, pole management, use and construction of microgrids, and grid hardening with overdue pole replacements. EPB's distribution automation system, which became operational in 2012, has resulted in an approximately 55% reduction in customer outage minutes across the system. We still have areas that are vulnerable and susceptible to risks of outages from extreme weather, natural disasters, animal disturbances, falling trees, and downed power lines. This project is expected to reduce EPB's System Average Interruption Duration Index (SAIDI) by an additional 8 minutes, which would result in an overall reduction in customer outage minutes to 61% from the previous 55%.

EPB and the Chattanooga community are well-positioned and committed to building Chattanooga to become a more sustainable, resilient city. EPB's proposed project directly relates to, or impacts, all six goals/milestones identified in the City of Chattanooga's Climate Action Plan and One Chattanooga Strategic Plan. Both initiatives were set forth and adopted by Chattanooga Mayor, Tim Kelly. This project is expected to reduce a minimum of 12 metric tons of carbon emissions as it will result in a reduction in truck rolls annually. This helps support the City's Climate Action Plan milestone of becoming a net zero-carbon community by 2050. EPB's effort does not stop on a local level. EPB is committed and proposes with this project to address and support several goals set forth by Tennessee Valley Authority (TVA) in their most recent Integrated Resource Plan (IRP), which would have specific implications on a regional level for the entire Tennessee Valley. Our project also aligns and supports both the State of Tennessee's Hazard Mitigation Plan and Hamilton County's Multijurisdictional Natural Hazards Mitigation Plan.

One of the largest hurdles EPB expects to face to achieve success with this project is directly related to supply chain constraints and longer than usual lead times on materials needed. While the period of performance is 60 months, some materials have 18 – 24-month lead times. EPB is confident in its ability to find adequate vendors with capabilities to receive materials when needed; however, the instability in the market since COVID has the potential for several unforeseen delays and price increases that could result in budgetary adjustments. Another risk EPB has identified relates to the underground conversions. In several instances, the circuits being

converted will require work near customer premises, primarily in customer backlots as these are some of the most vulnerable areas on our electric grid. Response from customers is always a risk and could result in project delays if they are unsatisfied. Finally, the increase in major weather events is recognized by all in the utility industry. Depending on the magnitude and damage dealt by any severe storms, tornadoes, winter storms, or high gusts of wind, these could result in project work being placed on hold or delayed as EPB is committed to performing all restoration work needed to ensure its customers are taken care of effectively and efficiently.

DOE and EPB are uniquely positioned to invest in and build a national model that defines a resilient smart grid service on an electric distribution system for the nation. These smart grid services are consistent with DOE GRIP goals. EPB's technical staff has proven its ability to transform modern technology into applied applications that create measured improvement in smart grid electric service. Our nationally recognized workforce culture based on excellence in customer service for everyone we serve combined with EPB financial strength, and 10-year successful partnership with DOE is leading us to the future. We believe that the energy market is undergoing a generational transformation. Energy and internet service will converge. Their combined importance to how all Americans live and work is growing in our daily lives. Without greater electric service resilience, the cost of power and internet outages will only grow. As digital transformation trends continue and more work is done remotely, the importance of avoiding electric and internet outages will continue to grow and interrupt daily life. DOE's GRIP Resilience investment will help mitigate that risk.

## **Background**

EPB is a municipal electric distribution and broadband utility serving 190,000 electric customers in a 600-square mile service territory covering seven counties in East Tennessee and North Georgia, including the City of Chattanooga. In 2010, the DOE, under the American Recovery Act's DOE Smart Grid Investment Program, partnered with EPB to invest \$220 million to accelerate construction of its first-generation smart grid and fiber-to-the-home (FTTH) communications network from 10 years to three years. The investment provided every EPB customer with an automated meter, automated switching on all electric circuits, advanced SCADA control, and completed construction of the 6,000-mile fiber optic communications network that also provides internet, video, and phone services to all 340,000 service area residents.

Since 2012, EPB's smart grid has dramatically improved grid reliability by successfully eliminating 55% of outage minutes, which reduced the customer cost of electric system outages by \$250 million. In July 2012 and April 2020, the EPB service area was severely damaged by storms. EPB's grid resiliency saved the community an additional \$50 million in avoided storm outage cost and improved repair times. The DOE Office of Electricity, led by Oak Ridge National Laboratory (ORNL), designated EPB a testbed under a 2014 Memorandum of Understanding (MOU), and has conducted over 70 technology research projects on the smart grid valued at over \$125 million. These research projects have been focused on distributed energy resource technology, microgrid

networks and control systems, optical sensors, and quantum protected cyber security technology for electric infrastructure.

After the 2012 storm that struck and damaged EPB's smart grid in various locations throughout its service territory, we determined that 70% of electric service customers should have experienced power interruptions. Researchers at ORNL, in cooperation with EPB Engineers and data from EPB's smart grid, determined only 30% of customers lost power. This reduction was due to the smart grid automation. All customers had their power restored within 48 hours. The resulting case study, based on EPB system data, calculated \$24 million in customer savings from avoided outage costs due to the storm. Overall, the 2010 DOE-EPB smart grid investment has resulted in measured improvement in electric service (providing an average of \$26.6 million in savings each year by helping them avoid spoilage, lost productivity, and other negative impacts), decreased environmental damage (reduction of approximately 7,900 tons of CO<sub>2</sub> emissions through demand management and reduced truck miles), contributed to the creation of \$2.69 billion in economic benefits, and over 9,500 new jobs in the community.<sup>1</sup>

When the COVID-19 pandemic struck in March 2020, EPB's smart grid and fiber optic reliability played a key role in helping the community adapt to a community shift from in-office to remote work. EPB initiated a no-cut-off policy on electric and internet service to support families whose lives were disrupted. Immediately following the beginning of the COVID-19 pandemic, in April 2020, a tornado struck the EPB service area. EPB's smart grid resiliency saved the community an additional \$25 million in avoided outage costs and improved repair times.

Since 2016, JD Power and Consumer reports has consistently rated EPB's electric distribution and fiber optic customer service quality among America's best. The EPB-DOE partnership to build a state-of-the-art smart grid infrastructure managed for customer service excellence has made a positive difference in the quality of life of the people we serve. At this point, EPB's smart grid performance, electric system resilience and reliability, in cooperation with DOE, is an academic fact, and we are already moving forward, investing, and building the next generation smart grid 2.0 network service to create a new generation of measured improvements in electric grid resilience and reliability.

## **Project Goal**

EPB proposes to match \$32.4 million with DOE's GRIP Grid Resilience Grant program for a total project cost of \$64.6 million. This places EPB within the boundaries of the \$45 million in resilience investments over the last three years. This proposed investment and partnership with DOE will accelerate EPB's current efforts in enhancing its current smart grid to build a more reliable, resilient, hardened, affordable, scalable, and controllable distribution network. EPB is also intending for the proposed work to mitigate the impacts of extreme weather and natural disasters, such as severe storms, high winds, snow, freezing rain, and ice, on the electric grid,

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<sup>1</sup> Bento J. Lobo, Ph.D., CFA: [Ten Years of Fiber Optic and smart Grid Infrastructure in Hamilton County, Tennessee](#)

while also reducing the amount spent on vegetation management. To accomplish this goal, EPB is proposing to deploy six new microgrids that will be constructed to improve reliability and resiliency in remote areas near the edge of EPB's service territory, convert 268 fused lateral circuits from overhead to underground to reduce customer outages, restoration time, and their associated costs, and allow EPB to complete a backlog of 1,388 poles that need to be replaced based upon recent inspections.

The goals and efforts proposed by EPB help the City of Chattanooga, Hamilton County, and the State of Tennessee meet existing milestones set within their respective hazard mitigation plan. In addition, EPB's proposal reduces the likelihood and consequences of disruptive events by implementing the following activities, technologies, equipment, and hardening measures: monitoring/control technologies, grid conversions from overhead to underground, pole management, use and construction of microgrids, relocation of power lines, and grid hardening with long overdue pole replacements.

### **DOE Impact**

An EPB-DOE partnership in the Grid Resilience Grant program will accelerate the current 10-year \$70 million smart grid modernization investment plan and current capital underground conversion capital plan of approximately \$2 million per year dedicated to such activities. For underground conversions specifically, the partnership would accelerate the current 20-year plan to five years. We believe this investment will also accelerate measured progress toward DOE's Modern Grid, Build Back Better, and Grid Resilience and Innovation Partnership (GRIP) goals for electric system resilience and reliability improvement, and provide a scalable model with reliable, tangible data generated from EPB's smart grid to prove the benefits to EPB, EPB's customers, DOE, TVA, and FEMA.

### **Community Benefits Plan**

EPB's Community Benefits Plan (CBP) is directed toward the benefit of disadvantaged communities (DACs) in our service territory, development of the local workforce, support of minority and women owned business, and an expansion of EPB's efforts in diversity, equity, inclusion, and accessibility internally for employees and externally for customers and the community. Utilizing IMPLAN and the DOE ICE calculator, EPB has estimated the total five-year benefit flow for the community will be \$20.4 million, with 50% (\$10.2 million) flowing directly to DAC areas. EPB plans to exploit these benefits through a variety of strategies. The first strategy, in relation to workforce and community agreements, is to expand the American Association of Blacks in Energy (AABE) New Heights Scholarship Program by adding 30 new electrical or communication lineman scholarships. The second strategy includes developing an IT focused apprenticeship program at Chattanooga State Community College with a pilot of 8 – 15 students. The third strategy relates directly to diversity, equity, inclusion, and accessibility (DEI+A) as it includes EPB making a commitment to maintaining at least 25% of suppliers, contractors, and vendors for this proposal are Minority and Women Owned Businesses.

To enhance community stakeholder engagement, EPB is committed to upgrading the process of how we engage with our community stakeholders in regard to work being conducted on the electric system when it interrupts their day-to-day life. EPB's mission is to enhance the quality of life in our community providing energy, communications, and related services reliably, efficiently, and courteously at the best possible value. EPB plans to emphasize this mission statement with improvements to its current process of community stakeholder engagement when overhead-to-underground conversions will take place. When communicating project work with customers, it's always a top priority for us to engage directly with each customer. In previous efforts, EPB would send out letters to all customers in or around the construction zone. Community meetings would be held when possible, but the most important aspect is going door-to-door to explain what construction would be taking place, the benefits the customer and community would see from the project, and most importantly, how it would affect the customer's home and property and provide assurance that their assets would be left in better shape than when the work began.

EPB is committed to continue breaking the traditional model utilities tend to have with their customers, which is more of a relationship from a distance. In Chattanooga, EPB strives to become the community's greatest asset which starts with the most important members of the community, the people living within it. Historically, utilities have engaged with their customers while maintaining an arm's reach. With the emergence of distributed energy resources (DER), energy efficiency, and more focus on energy burden, this is fundamentally changing the way utilities will engage with customers in the future. This will create a much closer relationship than before. As this shift in customer engagement continues, EPB remains committed in efforts to diversify its workforce; however, unexpected challenges have risen in that customer relationship EPB will apply GRIP to change the EPB customer relationship and improve service.

To improve our process, several internal members (including executive leadership, management team members, and employees from various departments) have dedicated significant time and effort to improve the community engagement process for underground conversions. The goal of these improvements is to: 1) raise visibility within the community of EPB's successful and ongoing efforts of diversity in the workforce, 2) provide additional opportunities for field workers to show EPB's diversity efforts, and 3) provide as much information as possible to customers in relation to both technical and societal benefits. To accomplish these goals, EPB plans to begin the process with a mass email distribution to all identified customers within the area of construction. Distribution of the information could be in letter form as well, but the official message would be introducing the team, which would include photos of our field services group, and create a point of contact that all customers have access to. This individual would be identified as the Field Services Project Manager, and EPB is committed to utilizing this role as a development opportunity for employees, while also demonstrating diverse efforts to the community. DOE's GRIP Resilience investment will help accelerate this process.

EPB is also committed to supporting all climate resiliency strategies in place on a national, regional, state, and local level. In March 2023, the City of Chattanooga adopted the Climate

Action Plan that outlines six specific milestones that will enhance the quality of life in Chattanooga, TN. EPB is committed to supporting this plan and has arranged a commitment from Chattanooga Mayor, Tim Kelly, to utilize all resiliency, reliability, environmental, and community results generated from this project and reported to DOE.

For more details related to EPB's CBP, please refer to the 12-page Community Benefits Plan attached to our application.

## **Technical Description, Innovation, & Impact**

EPB's proposal includes three components, each of which is described below:

- 1) EPB plans to construct six new microgrids (MG) in areas near the edge of our service territory. These MG's will utilize energy storage as the power source for the MG and will leverage the existing automated switches to form the boundaries of each MG. The customers in these locations have experienced higher frequency of outages and extended restoration times due to their remote nature and the MG's will enable approximately 3,600 customers to see improved reliability and resilience.
- 2) EPB plans to convert 268 overhead circuits to underground (101 miles) across the service area. Our experience with previous UG conversion projects has resulted in an improvement of 90% in annual customer outage minutes. We expect this larger project to have similar results. These locations were selected based upon their history of poor reliability so the impact would be dramatic for these customers.
- 3) EPB plans to replace 1,338 poles that were recently inspected. This is the result of increased inspections in recent years. These poles will be upgraded to our current standards for pole strength and framing of equipment. This will result in customers in these locations are served by updated equipment to provide more reliable service.

EPB's prior experience with each of these three components is described below in the Workplan. Our workforce has demonstrated the necessary capability in the areas of executive support, engineering, project management and availability of skilled field labor. The best example of this capability was our 2010 smart grid construction project. All of these projects would be contained within EPB's distribution system and not require additional transmission infrastructure.

EPB currently has 1.3 MW of Community Solar system and are in the process of installing 120 kW of solar PV at a site identified as the Construction Trade School. Along with existing solar deployments, EPB has 6 MW of battery storage capacity deployed in various locations across its electric system. It is worth noting that one of the unique features of EPB's MG project involves the application of flexible boundaries. This approach has been applied in one of EPB's previous projects at the Chattanooga Airport. This design leverages EPB's existing infrastructure of automated switches. When a wide-area outage occurs and the MG is needed to form an island, the MG controller utilizes historical load data and the available distributed energy resources to determine the appropriate switch to open to isolate the MG from the traditional utility grid. We

have demonstrated this capability at the Chattanooga Airport MG and plan to apply this to each of the MG's proposed with this project. We believe this design can be utilized across the EPB service territory and become a model for other utilities who have deployed automated switches across their distribution system.

This project directly relates to, impacts, and supports several energy goals, strategies, and plans on a national, regional, state, and local level. On the national level, EPB and DOE's investment supports the White House's goal of achieving pollution free electricity by 2035 (with the deployment of microgrids) and placing the U.S. on a path to achieve net-zero emissions economy-wide by 2050 (by reducing annual truck rolls). For DOE, EPB's project directly supports the GRIP program's purpose to build a more resilient grid to enhance reliability to advance community benefits. EPB's efforts have implications on a regional level as well as supporting several goals and challenges identified in TVA's 2019 Integrated Resource Plan (IRP). TVA has a goal of 2,400 MW of storage by 2028 with additions being from a combination of utility and distributed-scale.<sup>2</sup> As one of TVA's 150+ local power companies (LPC), EPB's project would add 15 MW of utility-scale storage to TVA's system. In addition, TVA references in their IRP to continue working with LPCs to collaborate on Distributed Energy Resources (DER) and distribution planning to build greater visibility into customer needs, along with the standardization of cost-effective DER smart technologies that enable the system to efficiently utilize distributed resources. The 15 MW of storage helps TVA reach this collaboration goal as it will require collaboration between both TVA and EPB to ensure batteries are dispatched at optimal times, which will result in a reduction in the risks related to future conditions. Ultimately, this storage solution would help demonstrate how electric distribution utilities could help provide a least-cost solution to future demands for electricity from its power system regardless of how that future plays out. The 268 underground conversions play a crucial role due to its ability to attract economic development and growth around the community. This successful collaboration could become a commercially viable solution that all LPCs around the country could adopt in the future, putting less strain on the transmission system during peak consumption times.<sup>3</sup>

The State of Tennessee has not adopted any decarbonization or energy resiliency strategies to date; however, EPB is committed to ensure its project aligns with both the state and local hazard mitigation plans. Tennessee's mitigation plan references five missions of the National Preparedness Goal and EPB's project aligns with three of the five missions: 1) Mitigation, 2) Response, and 3) Recovery.<sup>4</sup> With successful underground conversions, pole replacements, and microgrid deployments, EPB will be well-positioned to mitigate the impacts of future natural disasters and respond quicker to restore power and communications infrastructure to better protect critical infrastructure and basic human needs. The support of these two missions will

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<sup>2</sup> [TVA: 2019 Integrated Resource Plan Volume 1 – Final Resource Plan](#)

<sup>3</sup> [TVA: 2019 Integrated Resource Plan Volume 1 – Final Resource Plan](#)

<sup>4</sup> [Tennessee Hazard Mitigation Plan 2018 FINAL.pdf \(tn.gov\)](#)

result in quicker and more cost-efficient restoration times after any extreme weather events occur, improving the quality of life across the entire Chattanooga community. Also, these results have the potential to reduce the vulnerability index for Hamilton County from its current score of four (high), according to TEMA. This also aligns very well with Hamilton County's *Multijurisdictional Natural Hazards Mitigation Plan 2019*, which reference EPB specifically and plans for mitigation of any severe weather or winter storms that effect property and lives within the county.<sup>5</sup>

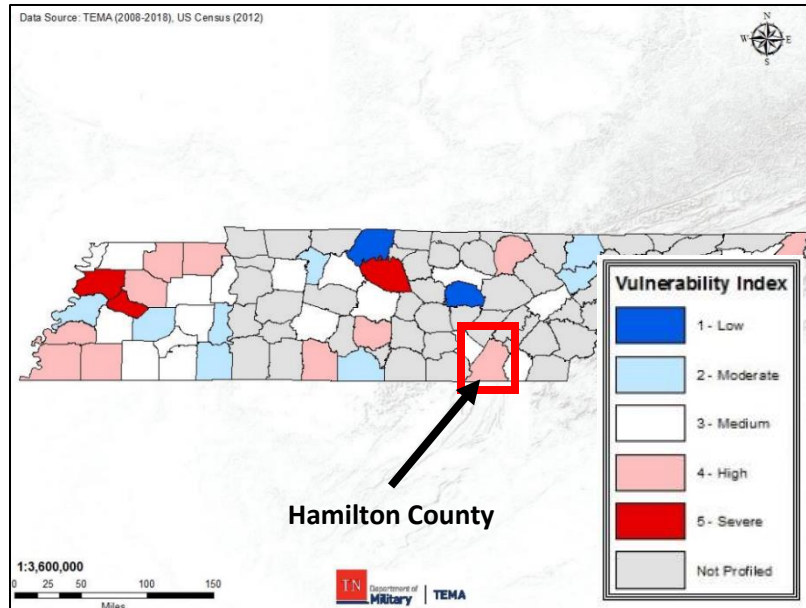


Figure 1: State of Tennessee Hazard Mitigation Plan Vulnerability Index

EPB and the Chattanooga community are well-positioned and committed to building Chattanooga to become a more sustainable, resilient city. EPB's proposed project directly relates to, or impacts, all six goals/milestones identified in the City of Chattanooga's Climate Action Plan:

- 1) Reduce disparities among socially and economically vulnerable communities
- 2) Become a net zero-carbon community
- 3) Become a zero-waste community
- 4) Build a more sustainable city
- 5) Preserve and improve natural resources integrity
- 6) Be a leader in the green economy

The project also supports several initiatives identified in the One Chattanooga Strategic Plan. Both initiatives were set forth and adopted by Chattanooga Mayor, Tim Kelly. This project is expected to reduce a minimum of 12 metric tons of carbon emissions as it will result in a reduction in truck rolls annually, which helps support the City's Climate Action Plan milestone of becoming a net zero-carbon community by 2050. In the effort milestone 1, reducing disparity, EPB's focus on disadvantaged communities and Justice40 will help the city with their goal of identifying sites and designing more affordable housing developments within resilient, interconnected communities. With over 40% of the underground conversions taking place in disadvantaged communities, this will help broaden the scope resilient communities the city is

<sup>5</sup> [Hamilton County, TN Multijurisdictional Natural Hazards Mitigation Plan 2019](#)



looking for, along with building a more sustainable city that is less susceptible to outage risks for two important utilities: energy and communications.

There are several areas of potential risk to completing this project. The primary risk is material availability due to supply chain shortages. EPB has reached out to its potential suppliers for the UG cable, conduit and transformers associated with the UG conversion project. We provided estimated quantities of each item required for the next five years to support the project. We received proposals from multiple suppliers indicating their willingness to be a partner in the project and provide the necessary material. If awarded, we will finalize a partnership with the supplier that best meets the needs of the project in terms of pricing, quality and commitment to deliver the material. Finalizing the partnerships would take place during the contract phase of the award. We have included letters of support with the vendor's current pricing.

Other potential risks include labor availability impacting our schedule, price increases impacting our budget and major storms (i.e. tornados) that would cause EPB to pause these projects while restoration work takes place. EPB is addressing labor availability in several ways. The most promising is through our partnership with the American Association of Blacks in Energy (AABE) to provide scholarships for recent high school graduates to attend the Southeast Lineman Training Center (see community benefits for more information). In addition, EPB has agreements with electrical contractors to provide qualified personnel for time-bound projects such as this.

EPB's proposed project will generate both community and resiliency benefits. These benefits generated will play a vital role in reducing the likelihood and consequences of disruptive events to our electric and communications infrastructure and provide a more resilient and reliable distribution network to community stakeholders in our service territory, with greater than 40% of those benefits flowing to disadvantaged communities. Since 2010, EPB has successfully reduced 55% of customer outage minutes. The underground conversions and pole replacements combined is estimated to increase that 55% to 61%. The regional resiliency benefits are generated from the 15 MW of storage associated with the six microgrid deployments. These microgrids will be utilized for both reliability in rural and underserved areas with the highest frequency of outages and for dispatching during times when EPB and TVA's grids are under the most stress. 15 MW of storage, coupled with EPB's existing 6 MW would provide 21 MW of storage capacity (2% of system load) and accelerate our efforts to have 5% (65 MW) of our system load in storage capacity. Reaching this milestone would position EPB well to help TVA when peak load reductions are needed in the Tennessee Valley but would do so in a way that prevents any customer interruptions.

## **Workplan**

### **Project Objectives**

EPB proposes to accomplish the following three objectives:

- Six new Microgrids will be constructed to improve reliability and resiliency in remote/rural areas near the edge of EPB's service territory
- Convert 268 fused lateral circuits (101 miles) from overhead to underground to reduce customer outages, restoration time and their associated costs
- Complete a backlog of 1,338 poles that need to be replaced based upon recent inspections

### **Technical Scope Summary**

#### **Microgrids (Task 2.0)**

Chattanooga is a community heavily focused on reliability and resilience. For the past decade, EPB has made significant investment in its electric system to improve resiliency and reliability as well as improve our ability to better monitor and operate the system. This investment has been in Smart Grid technology that included an all-fiber communications network, automated switches, AMI infrastructure, a new SCADA system, and a new Distribution Management System (DMS).

The most significant improvement in reliability was in the deployment of distribution automation at a density level that is not matched on any power system in the country. EPB installed 1,200 intelligent switches across its two hundred 12kv distribution circuits. These switches communicate via the fiber network and are controlled by a peer-to-peer automation platform.

The strategy was to heavily automate all three-phase electric main lines so that system damage that impacts the highest numbers of customers could be isolated to a smaller area with the remainder of customers to be automatically restored. EPB's distribution automation system, which became operational in 2012, has resulted in an approximately 55% reduction in customer outage minutes across the system.

For a circuit to be automatically restored after an outage, there must be an alternate circuit adjacent to the affected circuit. In some of the more remote areas of EPB's service territory there is no alternate circuit – either due to natural barriers such as the Tennessee River or locations at the edge of our service territory. These locations have not been able to benefit as greatly from distribution automation as areas more centrally located. For these locations, EPB has begun to develop capabilities for creating microgrids. By installing energy storage systems near the end of a radial circuit, a fault can be isolated using automated switches and power beyond the faulted section of the circuit can be restored using the energy storage system as the alternate source.

As described in our *Report on Resilience*, EPB has already implemented 6 MW of energy storage systems in four locations in our service territory with three of these supporting microgrids. We

have two additional microgrids in progress. We would like to address more locations in our service territory with this microgrid capability to provide more reliable and resilient service to the customers at the edge of our service territory in addition to the 120 kW of solar capacity planned in future capital plans. We are proposing six new locations at which to install energy storage to create microgrid capability. In addition to the resiliency benefits, these energy storage systems can also be used to reduce EPB's peak demand thereby reducing the generation requirements for TVA during times of peak load.

In 2019, the City of Chattanooga's Mayor recognized the ongoing value realized by EPB's Smart Grid and announced the beginning of work towards a Regional Resilience Plan. In partnership with leaders covering the southeast, the Regional Resilience planning team would begin by identifying the local community's most critical infrastructure. One of the first locations that quickly became a focus was the City of Chattanooga and Hamilton County public safety and emergency response campus where power and communications continuity was a focus. A partnership between EPB and the City of Chattanooga emerged to build a jointly owned microgrid. This microgrid was commissioned in 2022. Based on the success of this location EPB would like to replicate this example to additional areas of

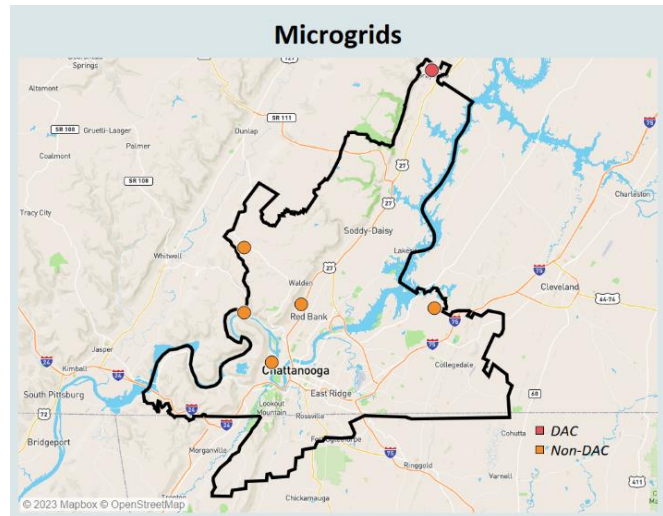


Figure 2: Microgrids (Task 2.0)

our service territory. The six microgrids proposed would all be in areas that have experienced poor reliability due to their remote location and the microgrid capability would benefit these customers greatly.

EPB's three previous microgrid projects have been in locations that already have alternate circuits available for restoration. These locations were selected because of their critical nature – Chattanooga Airport, Chattanooga Police Service Center and EPB's Control Center Campus. These projects provided valuable learning experience for EPB engineers and technicians in the design, construction, and operation of energy storage and microgrids. The focus is now on the remote locations of our service territory for which there is no alternate circuit available for restoration. A review of the last three years' outages in these areas shows these customers have experienced nearly 1 million customer minutes of outages that could be eliminated by the microgrid implementation. In addition, the total installation of approximately 15 MW of energy storage would be used to reduce EPB's peak demand by roughly this amount each month.

EPB is ready to begin the microgrid projects immediately. We have identified the six circuit locations for microgrids and have spoken with two property owners about possible property

acquisition. The other four sites will require site determination and property acquisition. The property purchase/leases would not utilize grant funding. EPB has developed specifications to submit to battery vendors requesting proposals for each site. The most recent proposals received by EPB indicate that battery lead times are approximately one year. This will be incorporated into the schedule.

### **UG Conversion (Task 3.0)**

In recent years, EPB has experienced increases in vegetation related outages caused by an increase in many types of weather-related events and natural disasters. Tornadoes struck EPB's power system in February 2011, April 2011, March 2012, and most recently in April of 2020. Other than these events, the only other tornado impact on EPB's electric system in the past 30 years was in 1997, which demonstrates the recent increase in extreme weather. Each of these tornadoes caused tremendous damage and required restoration efforts for multiple days. The longest restoration efforts were April 2011 and April 2020 at 11 days and 10 days respectively and those represent the two largest efforts in EPB's history.

While the Smart Grid's automation focuses on restoration and reduction of customer outage minutes, it does not eliminate actual causes of damage to the power system facilities. However, underground conversions do mitigate the recurring damage to electric facilities. Therefore, underground conversions have an impact on operational expenses related to outage restoration. Between 2001 and 2020, EPB has incurred a total outage restoration cost of approximately \$130M. Of that total, the estimated reimbursement cost to FEMA is expected to total approximately \$51M. Underground conversion will have a significant impact in reducing these future costs. The amount of reduction will be limited only by the extent to which the system can be converted to underground.

EPB's standard for construction of new facilities has been to place them underground for about 20 years. Over the past few years, we began a program to convert existing overhead to underground in specific areas that have experienced the most frequent outages. EPB has completed the underground conversion of overhead distribution on 19 different fused circuits for a total capital cost of \$3.6M. This work has resulted in a 75% improvement in SAIFI (frequency of outages) and 91% improvement in SAIDI (annual customer outage minutes) for the customers affected.

As described in our *Report on Resilience*, this underground conversion process started with a pilot program to convert overhead distribution facilities to underground in 2015. EPB's specific project location selection and prioritization decisions stem from the same guiding principles applied to storm restoration and the deployment of the fiber optic network; the order of work is based on providing the most significant impact to the community. To select underground projects, EPB assessed the performance of each fused circuit on its system and identified single-phase sections with the highest frequency of outages. These locations were analyzed to determine their

suitability for UG conversion. Candidate locations were then prioritized based upon projected improvement vs. the estimated cost of the conversion to select the conversion projects.

The underground conversion strategy described above would be utilized on fused circuits that have historically experienced a high frequency of outages. These facilities are often located in utility easements at the rear of customer homes which are typically plagued by thick vegetation and are difficult to access when an outage occurs – extending the length of restoration time. By converting the OH primary facilities to UG, we can reduce the frequency of interruptions for these customers.

We have identified 268 fused circuits serving 9,938 customers that would be converted with this project. These are locations with poor reliability history so the 9,938 customers directly served by these circuits will see the greatest benefit.

However, by eliminating these outages during severe weather events, we will be able to respond more quickly to smaller outages across the EPB electric system.

These 268 locations have been prioritized and the cost of each location has been estimated based upon current labor and material costs. EPB’s current spending level for the overhead to underground conversion is approximately \$2M per year. The proposed project would convert the 268 worst performing fused circuits over a five-year period at a cost of \$35.2M. This would

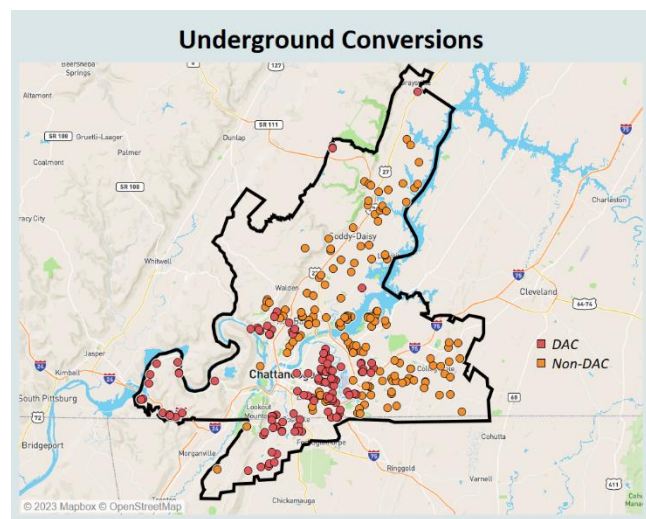


Figure 3: Underground Conversions (Task 3.0)

allow us to complete our worst performing locations in a five-year period rather than 20+ years. Converting these worst performing fused sections would result in fewer outages for the customers directly affected and would mean that EPB can address smaller outage sections more quickly. Based upon the results of the completed UG conversion projects, converting these 268 circuits would result in an annual avoidance in customer outage minutes of 1.8 million and an annual reduction of customer outages of 8,500.

### Pole Replacement (Task 4.0)

In addition to the strategies described above, EPB has become more aggressive in its inspection of wood poles and their associated replacement as described in our *Report on Resilience*. Ageing infrastructure is a challenge for all electric utilities and EPB is no exception. We have increased our level of inspection and the result has been a larger number of poles designated for replacement to ensure the continued reliable operation of the electric system. This hardening strategy has identified the need for additional resources to “catch-up” on the backlog of poles to be replaced and ensure that ongoing efforts can maintain a regular schedule of inspection and

replacement. At the time of the concept paper submission, EPB currently had a backlog of 1,338 poles needing to be replaced. This number is very dynamic as we continue to inspect poles and replace poles.

The acceleration of pole replacements would ensure that our electric system facilities are up to current construction standards based on the use of stronger poles which will provide more reliable service for our customers. There have been over 2,600 poles replaced during outage restoration in the past five years. We would expect this number to be reduced because of this project.

Replacing poles identified by inspection would eliminate over 1,300 possible points of failure during severe weather events. Replacing these poles with facilities that meet current standards would mean more reliable service for our customers.

The pole replacement project is already in progress albeit at a relatively slow pace. EPB has replaced 1,089 poles in the last three fiscal years. Accelerated design work can begin immediately upon award receipt. EPB has existing agreements in place with pole suppliers and has not seen any significant increase in recent lead times for poles. We would increase the number of our pole replacement contractors to meet the increased replacement rate. Our existing designer staff would be able to support the project to completion. We expect to be able to complete the backlog of 1338 poles in approximately 2 years but can be somewhat flexible in this schedule.

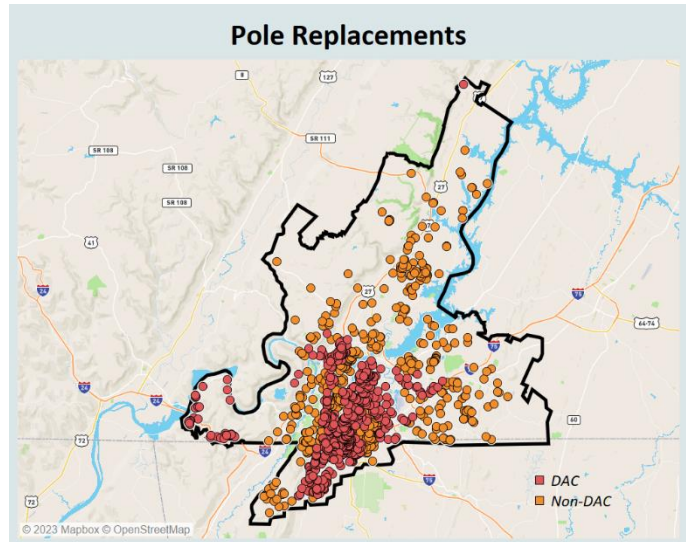


Figure 4: Pole Replacements (Task 4.0)

## WBS & Task Description Summary Microgrids (Task 2.0)

The tasks associated with implementing the six microgrids are the following:

- Prepare preliminary design: This task will include the determination of the optimum point of interconnection (POI) for each MG. These POI's will utilize existing automated switches that can be opened to isolate the radial section of the feeder from the EPB grid when needed. The peak load will be determined to properly select the energy storage system size. The number of customers and their reliability history will be reviewed to estimate the benefits of each new MG.
- Acquire battery site: This will involve a review of the area near the end of the feeder to identify candidate locations (some of which have already been determined). Then

discussions with property owners will take place to determine their willingness to sell or lease property for the battery system. Discussion with customers in the vicinity of the site will also take place to ensure their support. We will utilize a civil engineering firm to assess each candidate site for environmental impact and prepare a site plan. Once a site has been selected, EPB will negotiate with the property owner to purchase or lease the property, obtain EPB board approval and execute the purchase agreement. No grant funding will be utilized for the property purchase or lease.

- **Battery Purchase:** In parallel with the site acquisition process, EPB will initiate the battery purchase process – either through a new “Request for Proposals” (RFP) process or an evaluation of batteries previously bid on. We will select the battery vendor to provide the battery systems for each site.
- **Site Preparation:** EPB will utilize a civil engineering contractor to provide the site clearing and grading plan. The outcome of this effort will be the bid documents for a general contractor to prepare the site for construction. In addition, EPB will select a contractor to install the necessary conduits and pour concrete pads for each site.
- **Battery Installation:** The batteries will be delivered to each site and installed on concrete pads. Secondary cables will be installed from each battery to a disconnect switch and then to step-up transformers. Primary cable will be installed from the transformers to the point of interconnection for each site.
- **Battery Commissioning:** Once the electrical interconnect is complete, EPB will install communication and control equipment for each site. This will include protective relays, SCADA communications and a battery site controller. All of this equipment will be tested to ensure that the battery can be monitored and controlled remotely.
- **Microgrid Testing Complete:** When the communication and controls are complete, EPB will install and test the MG Controller for each site and ensure integration with our SCADA system.

### **UG Conversion (Task 3.0)**

The tasks associated with the UG conversion work are the following:

- **Work Order Design:** For each location, a designer will visit the site and conduct an assessment to determine the work to be performed at each location including any tree trimming work required. Next a work order will be created, and a design will be prepared to include the labor and materials necessary to complete the job. Affected customers will be notified of the plans to convert the area. At this time the customers will also be offered the opportunity to pay for the service conductor to their house to be converted to UG. If the customer chooses to have their service conductor converted, this will be incorporated into the work order, but the costs for the service conversion will not be included in the funding reimbursement of the grant. When each work order/design is completed, it will be reviewed/approved by the manager of distribution design. Then the job will be released to Construction.

- **Excavation & Construction:** For each job site, a construction supervisor will review the design, visit the site and determine whether or not any tree trimming is required, or special equipment or material is needed for the work. The construction supervisor will then assign the job to an excavation crew to begin. The contract excavation crew will dig the trench from the fuse location to each of the new transformer locations. Conduit and transformer pads will be installed as required. When this work is complete, the EPB crew will install a riser at the fuse pole, then pull cable between the transformer pads and install the transformers. Secondary cable will be installed from the transformer to the existing OH service but left disconnected. When all the transformers and cable installations are complete, the primary cable will be energized.
- **Transition from OH to UG at site:** EPB will contact the customers to notify them of the schedule for their conversion. On the day of the conversion, EPB crews will de-energize the “old” OH facilities and the “new” UG facilities and connect each service conductor to the new UG secondary cable. Finally, the UG primary cable will be energized, and all customers will be served by the new UG primary cable. When this work is complete, the de-energized OH facilities (conductor and transformers) will be removed. Updates to all maps and records will be completed and the accounting for the new facilities will be completed.

### **Pole Replacement (Task 4.0)**

The tasks associated with the pole replacement are the following:

- **Work Order Design:** For each location, a designer will visit the site and conduct an assessment to determine the work to be performed at each location. Next a work order will be created, and a design will be prepared to include the labor and materials. When each work order/design is completed, it will be reviewed/approved by the manager of distribution design. Then the job will be released to Construction to complete the job.
- **Construction:** For each location, a supervisor will review the design and possibly visit the site to plan for construction. The supervisor will determine whether or not a traffic control contractor is required for the job and then assign the job to a crew member. The crew will load the appropriate pole for replacement, travel to the site and complete the pole replacement. The crew will then transfer facilities from the old pole to the new pole. The old pole will be transported to EPB’s recycle bin for disposal.
- **Job Completion:** The crew will note any modifications to the design based on field conditions and submit the “as-built” drawings to our Maps & Records department. Maps & Records CAD technician will update material inventory records and make any changes to maps that are necessary. Finally, the work order closeout process will update accounting records to reflect the asset replacement.

### **Milestone Summary**



**MG:** For each of the six MG locations the following milestones would signify project status:

Milestone Summary Table							
Recipient Name:		EPB of Chattanooga					
Project Title:		Grid Resiliency Upgrades - Microgrids					
Task Number	Task or Subtask (if applicable) Title	Milestone Type (Milestone, Go/No-Go Decision Point, End of Project Goal)	Milestone Number* (Go/No-Go Decision Point Number)	Milestone Description (Go/No-Go Decision Criteria)	Milestone Verification Process (What, How, Who, Where)	Anticipated Date (Months from Start of the Project)	Anticipated Quarter (Quarters from Start of the Project)
1.1	Design	Milestone	1.1.1	Identify POI, Analyze Loading, Determine Battery Size, Review Reliability History, Interconnect Design	EPB to provide report of Interconnect Location, Loading, Battery Size, Reliability History. EPB to provide 1-line of Interconnect Design.	4	2
1.2	Battery Purchase	Milestone	1.2.1	Issue RFP, Evaluate Bids, Select Vendor, Negotiate Contract	EPB to provide copy of RFP, bid evaluation summary, copy of contract for batteries	28	10
1.3	Acquire Battery Site	Go/No-Go Decision Point	1.3.1	Identify battery candidate locations, confer with property owners, meet with customers, evaluate site for environmental impact, prepare site plan purchase property	EPB to provide list of battery sites, provide contracts for property purchase/lease	18	6
1.4	Site Preparation	Milestone	1.4.1	Prepare final site plan, site grading, install conduits and concrete pads, set transformers on pads	EPB to provide copy of site plan, photos of site preparation completion, provide tours of sites to DOE representatives	39	13
1.5	Battery Delivered	Milestone	1.5.1	Coordinate logistics, ship battery system, set battery on pads	Provide photos of batteries at each site, provide tours of sites to DOE representatives	43	15
1.6	Battery Commissioning	Milestone	1.6.1	Install secondary cables from batteries to disconnect switch, install secondary cables from disconnect switch to transformer, final design of communication & control equipment, install communication & control equipment, install interconnect facilities, install fiber optic cable to site, Prepare SCADA-Battery point map, Complete SCADA testing of battery, commission battery with vendor	Provide commissioning certificate from battery vendor	48	16
1.7	MG Testing & Commissioning	Milestone	1.7.1	Prepare MG Controller integration with SCADA and battery, test communication and control of MG controller with SCADA and battery, Plan/schedule island test with customers, execute island test	Provide copy of MG islanding test documents, Provide site demo for DOE representatives.	53	18

Figure 5: Milestone Summary Table - Microgrids

**UG Conversion:** The three major phases for each location of the UG conversion project are:

Milestone Summary Table							
Recipient Name:		EPB of Chattanooga					
Project Title:		Grid Resiliency Upgrades - OH to UG Conversion					
Task Number	Task or Subtask (if applicable) Title	Milestone Type (Milestone, Go/No-Go Decision Point, End of Project Goal)	Milestone Number* (Go/No-Go Decision Point Number)	Milestone Description (Go/No-Go Decision Criteria)	Milestone Verification Process (What, How, Who, Where)	Anticipated Date (Months from Start of the Project)	Anticipated Quarter (Quarters from Start of the Project)
2.1	UG Conversion Design	Milestone	2.1.1	25% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	8	3
2.1	UG Conversion Design	Milestone	2.1.2	50% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	17	6
2.1	UG Conversion Design	Milestone	2.1.3	75% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	24	8
2.1	UG Conversion Design	Milestone	2.1.4	100% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	30	10
2.2	Excavation & Construction	Milestone	2.2.1	25% of WO's Excavation & Construction complete	EPB to provide report of WO excavation complete from our Work Management System	14	5
2.2	Excavation & Construction	Milestone	2.2.2	50% of WO's Excavation & Construction complete	EPB to provide report of WO excavation complete from our Work Management System	28	10
2.2	Excavation & Construction	Milestone	2.2.3	75% of WO's Excavation & Construction complete	EPB to provide report of WO excavation complete from our Work Management System	42	14
2.2	Excavation & Construction	Milestone	2.2.4	100% of WO's Excavation & Construction complete	EPB to provide report of WO excavation complete from our Work Management System	56	19
2.3	Transition from OH to UG	Milestone	2.3.1	25% of WO's Transition from OH to UG complete	EPB to provide report of WO Transition complete from our Work Management System	15	5
2.3	Transition from OH to UG	Milestone	2.3.2	50% of WO's Transition from OH to UG complete	EPB to provide report of WO Transition complete from our Work Management System	30	10
2.3	Transition from OH to UG	Milestone	2.3.3	75% of WO's Transition from OH to UG complete	EPB to provide report of WO Transition complete from our Work Management System	45	15
2.3	Transition from OH to UG	Milestone	2.3.4	100% of WO's Transition from OH to UG complete	EPB to provide report of WO Transition complete from our Work Management System	60	20

Figure 6: Milestone Summary Table - Underground Conversions

**Pole Replacement:** The two major phases for each location of the pole replacement project are:

Milestone Summary Table							
Recipient Name:		EPB of Chattanooga					
Project Title:		Grid Resiliency Upgrades - Pole Replacement					
Task Number	Task or Subtask (if applicable) Title	Milestone Type (Milestone, Go/No-Go Decision Point, End of Project Goal)	Milestone Number* (Go/No-Go Decision Point Number)	Milestone Description (Go/No-Go Decision Criteria)	Milestone Verification Process (What, How, Who, Where)	Anticipated Date (Months from Start of the Project)	Anticipated Quarter (Quarters from Start of the Project)
3.1	Pole Replacement Design	Milestone	3.1.1	25% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	4	2
3.1	Pole Replacement Design	Milestone	3.1.2	50% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	6	2
3.1	Pole Replacement Design	Milestone	3.1.3	75% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	10	4
3.1	Pole Replacement Design	Milestone	3.1.4	100% of WO Designs complete	EPB to provide report of WO designs complete from our Work Management System	13	5
3.2	Pole Replacement Construction	Milestone	3.2.1	25% of WO's Construction Complete	EPB to provide report of WO construction complete from our Work Management System	6	2
3.2	Pole Replacement Construction	Milestone	3.2.2	50% of WO's Construction Complete	EPB to provide report of WO construction complete from our Work Management System	10	4
3.2	Pole Replacement Construction	Milestone	3.2.3	75% of WO's Construction Complete	EPB to provide report of WO construction complete from our Work Management System	13	5
3.2	Pole Replacement Construction	Milestone	3.2.4	100% of WO's Construction Complete	EPB to provide report of WO construction complete from our Work Management System	17	6

Figure 7: Milestone Summary Table - Pole Replacements

## Go/No Go Decision Points

### MG

- For each of the six microgrid locations, we will have a go/no decision point at the property purchase milestone. If property cannot be secured for the battery installation, we will need to eliminate the site and consider another candidate.

### UG Conversion

- For the UG conversion project, there may be individual sites that cannot be completed to due physical barriers. EPB will communicate any changes to the original list of sites periodically as part of our reporting process.
- The UG conversion project can be paused at any point prior to beginning excavation of a site if needed.

### Pole Replacement

- The pole replacement project can be paused at any point if needed.

## End of Project

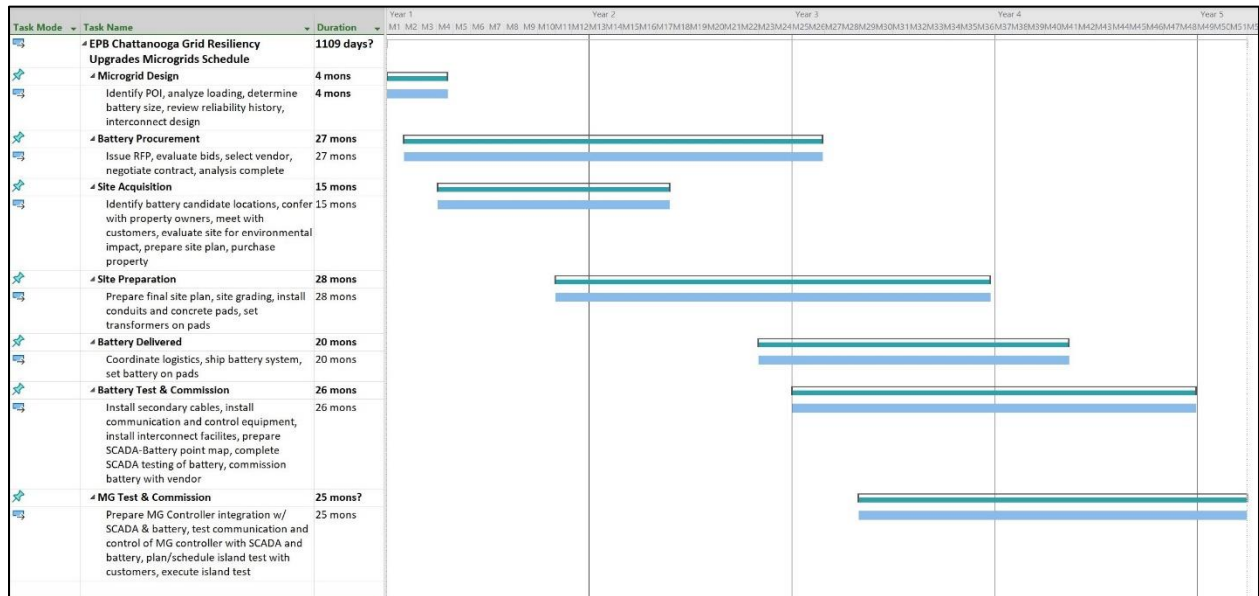
When this project is complete, the following objectives would be achieved:

- Six new microgrids would be commissioned across the EPB service territory
- 268 fused circuit locations would be converted from OH to UG
- 1,338 poles would have been replaced by new poles using current construction standards

## Project Schedule

A schedule has been created for each of the three major components of the project. Each schedule is provided below.

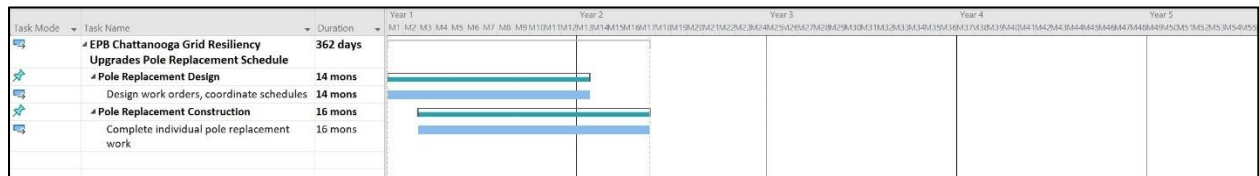
### Microgrid Schedule:



### UG Conversion Schedule:



### Pole Replacement Schedule:



## **Buy America Requirements for Infrastructure**

EPB has solicited proposals for supplying energy storage systems for the microgrid projects and received proposals for the cable, conduit and transformers associated with the UG conversion project. Based upon our current price information, the lowest price material for all of these projects are all manufactured in the United States.

## **Project Management**

The overall project management will be led by Ryan Keel, Senior VP of Technical Operations. Each of the three components will have a separate project management approach. Jim Glass, Senior Manager of Smart Grid Development, will lead the MG projects. David Nordy, Manager of Distribution Standards & Design, will lead the UG Conversion project. The pole replacement project will be managed within our existing Construction organization.

Each of the three components will have a project manager assigned to coordinate schedules, material, and field resources. This individual will be responsible for developing the detailed schedule and work closely with the project leads mentioned above to manage the projects. Weekly or bi-weekly status meetings will be conducted to assess adherence to schedule, material availability, workforce assignment and financial accountability.

For the MG project, the design of each MG as well as the communication and control aspects of the project will all be conducted within EPB's Smart Grid Development department. The design will be conducted by a Planning Engineer to include an evaluation of circuit loading and DER sizing. The SCADA/DMS integration of the MG Controller and DER will be performed by our SCADA Engineer, the installation of the controls at each DER site will be conducted by our Control Engineers. All these employees work within the same department and same building and will participate in the project status meetings. This will ensure the required communication between the functions.

For the UG Conversion project, the design work will be performed by EPB's experienced distribution designers. They will utilize our existing design and work management software applications to complete the design for each UG conversion location. This includes the compatible units (labor and material) required for each work location. The labor units determined by the design will establish the crew resources and material required for each job. Crews will then be assigned by a scheduler within the Construction department to complete the field work. The material will be prepared by EPB's Inventory Services department for the crew to take to the work location.

The pole replacement project will be conducted very similarly to the UG conversion project. Design work will be performed by EPB's distribution designers to include the determination of the required material and labor hours for each pole location. Construction crews will be assigned, and the required material provided to them to complete each job.

EPB's work management system includes the necessary interfaces to our financial reporting application such that expenses can be recorded and monitored by individual work order, by expense type and by date incurred. This enables EPB management to review progress on projects as well as to make comparisons of actual expenses vs. budget for financial accountability. This data can be incorporated into periodic reporting to DOE in project status reports.

Regarding EPB's ability to secure a qualified workforce, we have developed plans with our local community to create a long-term pipeline of skilled workers needed for our industry. As described in the Community Benefits, EPB has partnered with several local organizations to help fund scholarships for students to attend the Southeast Lineman Training Center. In addition, EPB has a good working relationship with our local IBEW which provides local electrical workers with the training necessary to begin employment with EPB as an apprentice lineman.

EPB will follow procedures requested by DOE during project negotiations for any project changes. These would apply for any schedule or budget impacts, but also any changes to work locations. In addition, EPB commits to revising and resubmitting the Project Management Plan, SOPO, and Milestone Summary Tables if any changes occur throughout the life of the project. This includes any changes to personnel or collaborating organizations as well. If a detailed budget needs to be revised and resubmitted, EPB understands DOE's approval will be required upon resubmission.

In addition to managing the project's schedule and budget, we will also ensure the quality of the work. EPB utilizes two primary processes for ensuring the quality of the field work and the accuracy of facilities data associated with field work.

- 1) Field Work: For the UG Conversion work, EPB has a supervisor dedicated to excavation work who will validate the length, depth and conditions (i.e. rock) associated with each trench prior to the excavation contractor completing their work. Construction supervisors also visit crews to ensure facility installations are performed according to current construction standards. In addition, EPB utilizes a periodic inspection process of field facilities to identify non-standard construction.
- 2) Data Accuracy: When new facilities are constructed, it is critical that maps and asset databases get updated accurately. This is accomplished by the crew updating job prints with "as-built" changes. These "as-builts" are then submitted to our System Modeling and Records Department who updates facility maps and asset data in our GIS database. If there is any question about how the facilities were installed, a field check will be conducted.

The project managers for each of the three components of EPB's project will schedule status meetings with their respective teams on a weekly or bi-weekly basis to review project activities completed including adherence to schedule and budget as well as reviewing any risks to upcoming activities. This provides the forum for communication between project team members to coordinate activities.

## **Technical Qualifications and Resources**

EPB's project team has demonstrated their ability to manage large projects in several ways. Most notably, in the execution of the DOE Smart Grid Grant awarded in 2010. EPB completed the project on schedule and delivered the targeted improvements. David Wade who oversaw the execution of this grant is now EPB's President & CEO. Ryan Keel and Jim Glass were involved in the day-to-day implementation of the Smart Grid Technology. Ryan will now be the overall project manager for this activity and Jim Glass will be the project leader of the MG projects. David Nordy has been involved in EPB's recent UG conversion projects and will be the project leader for this phase of the project. A review of planned project activity indicates that Mr. Keel's time requirements to oversee the project would be approximately 4-6 hours per month for project status reviews and issue resolution. Mr. Glass' time requirement would be approximately 20-30 hours per month for the MG project direction for the first year and then dropping to about 10-15 hours per month for the duration of the MG project. Mr. Nordy's time requirement would be approximately 30 hours per month during the first 2-3 years of the UG conversion project and the pole replacement project to review/approve designs for the projects. Following that, Mr. Nordy's time for the UG conversion project would continue to be approximately 10 hours per month into the fourth year of the project.

EPB does not expect to require any new specialized equipment to complete the project. Our existing systems and equipment and that of our contract partners has been utilized in similar projects recently and we don't foresee any new equipment to be required to successfully complete the project.

EPB's recent experience with MG's, UG Conversion and Pole replacement projects have prepared us well to scale-up to the level of activity required to successfully complete this project.

**DISCLOSURE OF LOBBYING ACTIVITIES** OMB Control Number: 4040-0013

Expiration Date: 2/28/2025

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

<b>1. * Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. * Status of Federal Action:</b> <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. * Report Type:</b> <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
--	--	--

**4. Name and Address of Reporting Entity:**

Prime  SubAwardee Tier if known

\* Name: Electric Power Board of Chattanooga

\* Street 1: 10 ML King Blvd Street 2: \_\_\_\_\_

\* City: Chattanooga State: TN: Tennessee Zip: 37402

Congressional District, if known: 3 TN

**5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:**

\* Name: \_\_\_\_\_

\* Street 1: \_\_\_\_\_ Street 2: \_\_\_\_\_

\* City: \_\_\_\_\_ State: TN: Tennessee Zip: \_\_\_\_\_

Congressional District, if known: \_\_\_\_\_

<b>6. * Federal Department/Agency:</b> Department of Energy	<b>7. * Federal Program Name/Description:</b> DOE GRIP Program CFDA Number, if applicable: _____
--	--

<b>8. Federal Action Number, if known:</b> _____	<b>9. Award Amount, if known:</b> \$ _____
---	---

**10. a. Name and Address of Lobbying Registrant:**

Prefix: Mr. \* First Name: Todd Middle Name: \_\_\_\_\_

\* Last Name: Womack Suffix: \_\_\_\_\_

\* Street 1: 832 Georgia Ave Street 2: \_\_\_\_\_

\* City: Chattanooga State: TN: Tennessee Zip: 37402

**b. Individual Performing Services** (including address if different from No. 10a)

Prefix: \_\_\_\_\_ \* First Name: Todd Middle Name: \_\_\_\_\_

\* Last Name: Womack Suffix: \_\_\_\_\_

\* Street 1: 832 Georgia Ave Street 2: \_\_\_\_\_

\* City: Chattanooga State: TN: Tennessee Zip: 37402

**11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.**

\* Signature: Evann Freeman

\* Name: Prefix: \_\_\_\_\_ \* First Name: Evann Middle Name: \_\_\_\_\_

\* Last Name: Freeman Suffix: \_\_\_\_\_

Title: Director of Government Relations Telephone No.: 433-704-8726 Date: 03/27/2023



**DISCLOSURE OF LOBBYING ACTIVITIES** OMB Control Number: 4040-0013

Expiration Date: 2/28/2025

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

<b>1. * Type of Federal Action:</b> <input type="checkbox"/> a. contract <input checked="" type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<b>2. * Status of Federal Action:</b> <input checked="" type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award	<b>3. * Report Type:</b> <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
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**4. Name and Address of Reporting Entity:**

Prime  SubAwardee Tier if known

\* Name: Electric Power Board of Chattanooga

\* Street 1: 10 ML King Blvd Street 2: \_\_\_\_\_

\* City: Chattanooga State: TN: Tennessee Zip: 37402

Congressional District, if known: 3 TN

**5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:**

\* Name: \_\_\_\_\_

\* Street 1: \_\_\_\_\_ Street 2: \_\_\_\_\_

\* City: \_\_\_\_\_ State: TN: Tennessee Zip: \_\_\_\_\_

Congressional District, if known: \_\_\_\_\_

<b>6. * Federal Department/Agency:</b> Department of Energy	<b>7. * Federal Program Name/Description:</b> DOE GRIP Program CFDA Number, if applicable: _____
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<b>8. Federal Action Number, if known:</b> _____	<b>9. Award Amount, if known:</b> \$ _____
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**10. a. Name and Address of Lobbying Registrant:**

Prefix: Mr. \* First Name: Robert Middle Name: \_\_\_\_\_

\* Last Name: Hickmott Suffix: \_\_\_\_\_

\* Street 1: 1401 K Street NW #1200 Street 2: \_\_\_\_\_

\* City: Washington State: DC: District of Columbia Zip: 20005

**b. Individual Performing Services** (including address if different from No. 10a)

Prefix: \_\_\_\_\_ \* First Name: Robert Middle Name: \_\_\_\_\_

\* Last Name: Hickmott Suffix: \_\_\_\_\_

\* Street 1: 1401 K Street NW #1200 Street 2: \_\_\_\_\_

\* City: Washington State: DC: District of Columbia Zip: 20005

**11. Information requested through this form is authorized by title 31 U.S.C section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.**

\* Signature: Evann Freeman

\* Name: Prefix: \_\_\_\_\_ \* First Name: Evann Middle Name: \_\_\_\_\_

\* Last Name: Freeman Suffix: \_\_\_\_\_

Title: Director of Government Relations Telephone No.: 423-704-8726 Date: 03/27/2023

**Locations of Work (DE-FOA-0002740)**

<b>Prime or Sub</b>	<b>Name</b>	<b>City</b>	<b>State</b>	<b>Zip Code + 4</b>
Prime	Pole Replacement A1337	Signal Mountain	TN	37377-1320
Prime	Pole Replacement A8047	Signal Mountain	TN	37377-2747
Prime	Pole Replacement A9020T	Signal Mountain	TN	37377-3435
Prime	Pole Replacement A9049T	Signal Mountain	TN	37377-3432
Prime	Pole Replacement B1176	Signal Mountain	TN	37377-3318
Prime	Pole Replacement B2015	Signal Mountain	TN	37377-2630
Prime	Pole Replacement B2036	Signal Mountain	TN	37377-3235
Prime	Pole Replacement B2386	Signal Mountain	TN	37377-2610
Prime	Pole Replacement B2520	Signal Mountain	TN	37377-3256
Prime	Pole Replacement B3516	Signal Mountain	TN	37377-3201
Prime	Pole Replacement B3620	Signal Mountain	TN	37377-3294
Prime	Pole Replacement B4174T	Signal Mountain	TN	37377-2225
Prime	Pole Replacement B4176T	Signal Mountain	TN	37377-2225
Prime	Pole Replacement B4346	Signal Mountain	TN	37377-1272
Prime	Pole Replacement B4440T	Signal Mountain	TN	37377-3045
Prime	Pole Replacement B5227	Signal Mountain	TN	37377-2406
Prime	Pole Replacement B6459	Chattanooga	TN	37419-1142
Prime	Pole Replacement B6466	Chattanooga	TN	37419-3003
Prime	Pole Replacement B6481	Chattanooga	TN	37419-1140
Prime	Pole Replacement B6487	Chattanooga	TN	37419-1141
Prime	Pole Replacement B6546	Signal Mountain	TN	37377-2919
Prime	Pole Replacement B8017	Chattanooga	TN	37405-9713
Prime	Pole Replacement C1629	Hixson	TN	37343-3054
Prime	Pole Replacement C2470	Hixson	TN	37343-2739
Prime	Pole Replacement C2562	Chattanooga	TN	37415-1229
Prime	Pole Replacement C2923	Hixson	TN	37343-2602
Prime	Pole Replacement C9131	Hixson	TN	37343-3320
Prime	Pole Replacement C9225	Hixson	TN	37343-2533
Prime	Pole Replacement C9291	Hixson	TN	37343-2533
Prime	Pole Replacement C9780	Hixson	TN	37343-5722
Prime	Pole Replacement C9784	Hixson	TN	37343-2503

Prime	Pole Replacement C9785	Hixson	TN	37343-2502
Prime	Pole Replacement C9794	Hixson	TN	37343-3401
Prime	Pole Replacement D1177	Hixson	TN	37343-3708
Prime	Pole Replacement D4502	Hixson	TN	37343-3754
Prime	Pole Replacement D7026	Hixson	TN	37343-4416
Prime	Pole Replacement D7436	Hixson	TN	37343-4912
Prime	Pole Replacement D8022	Hixson	TN	37343-4028
Prime	Pole Replacement D8025	Hixson	TN	37343-4064
Prime	Pole Replacement DA2208	Soddy Daisy	TN	37379-4728
Prime	Pole Replacement DA2482	Soddy Daisy	TN	37379-4709
Prime	Pole Replacement DA2483	Soddy Daisy	TN	37379-5004
Prime	Pole Replacement DA2554	Soddy Daisy	TN	37379-4729
Prime	Pole Replacement DA2644	Soddy Daisy	TN	37379-3930
Prime	Pole Replacement DA4096	Soddy Daisy	TN	37379-4430
Prime	Pole Replacement DA5071	Soddy Daisy	TN	37379-4106
Prime	Pole Replacement DA5087	Soddy Daisy	TN	37379-4128
Prime	Pole Replacement DA5151	Hixson	TN	37343-1374
Prime	Pole Replacement DA5155	Soddy Daisy	TN	37379-4152
Prime	Pole Replacement DA5275	Soddy Daisy	TN	37379-4150
Prime	Pole Replacement DA5284	Soddy Daisy	TN	37379-4134
Prime	Pole Replacement DA5316	Soddy Daisy	TN	37379-4106
Prime	Pole Replacement DA5389	Hixson	TN	37343-1306
Prime	Pole Replacement DA5423	Hixson	TN	37343-1218
Prime	Pole Replacement DA5516	Soddy Daisy	TN	37379-4152
Prime	Pole Replacement DA5527	Hixson	TN	37343-1309
Prime	Pole Replacement DA5538	Hixson	TN	37343-1369
Prime	Pole Replacement DA5554	Hixson	TN	37343-1244
Prime	Pole Replacement DA5561	Hixson	TN	37343-5345
Prime	Pole Replacement DA6007	Hixson	TN	37343-1304
Prime	Pole Replacement DA61178	Hixson	TN	37343-1475
Prime	Pole Replacement DA61182	Hixson	TN	37343-1306
Prime	Pole Replacement DA61183	Hixson	TN	37343-1315
Prime	Pole Replacement DA61368	Soddy Daisy	TN	37379-3284
Prime	Pole Replacement DA61410	Hixson	TN	37343-1474

Prime	Pole Replacement DA61436	Soddy Daisy	TN	37379-8942
Prime	Pole Replacement DA61450	Soddy Daisy	TN	37379-8982
Prime	Pole Replacement DA61485	Hixson	TN	37343-1403
Prime	Pole Replacement DA6177	Hixson	TN	37343-1409
Prime	Pole Replacement DA6234	Hixson	TN	37343-1400
Prime	Pole Replacement DA6408	Hixson	TN	37343-1452
Prime	Pole Replacement DA6459	Hixson	TN	37343-1465
Prime	Pole Replacement DA6552	Hixson	TN	37343-1405
Prime	Pole Replacement DA6756	Hixson	TN	37343-1571
Prime	Pole Replacement DA6758	Hixson	TN	37343-1417
Prime	Pole Replacement DA6772	Soddy Daisy	TN	37379-8806
Prime	Pole Replacement DA6846	Hixson	TN	37343-1474
Prime	Pole Replacement DA6851	Soddy Daisy	TN	37379-8983
Prime	Pole Replacement DA6955	Soddy Daisy	TN	37379-8980
Prime	Pole Replacement DA7053	Hixson	TN	37343-1206
Prime	Pole Replacement DA8085	Soddy Daisy	TN	37379-4156
Prime	Pole Replacement DA8456	Hixson	TN	37343-1346
Prime	Pole Replacement DA8536	Hixson	TN	37343-1652
Prime	Pole Replacement DA8559	Soddy Daisy	TN	37379-4118
Prime	Pole Replacement DA8624	Hixson	TN	37343-1346
Prime	Pole Replacement DA8865	Soddy Daisy	TN	37379-4121
Prime	Pole Replacement DA9106	Hixson	TN	37343-1469
Prime	Pole Replacement DA9124	Hixson	TN	37343-1755
Prime	Pole Replacement DA9520	Hixson	TN	37343-1741
Prime	Pole Replacement DA9667	Hixson	TN	37343-1451
Prime	Pole Replacement DA9741	Hixson	TN	37343-1763
Prime	Pole Replacement E2235	Chattanooga	TN	37415-2104
Prime	Pole Replacement E3054T	Chattanooga	TN	37415-2624
Prime	Pole Replacement E3446	Hixson	TN	37343-4224
Prime	Pole Replacement E4264	Chattanooga	TN	37415-3499
Prime	Pole Replacement E5420	Chattanooga	TN	37415-7122
Prime	Pole Replacement E7136	Chattanooga	TN	37415-6702
Prime	Pole Replacement E8019T	Chattanooga	TN	37415-5043
Prime	Pole Replacement E8058T	Chattanooga	TN	37415-4608
Prime	Pole Replacement E8108	Chattanooga	TN	37415-5017

Prime	Pole Replacement E8230	Chattanooga	TN	37415-4532
Prime	Pole Replacement E8262T	Chattanooga	TN	37415-4109
Prime	Pole Replacement E8276T	Chattanooga	TN	37415-4004
Prime	Pole Replacement E8278	Chattanooga	TN	37415-5019
Prime	Pole Replacement E8499	Chattanooga	TN	37415-5036
Prime	Pole Replacement E8614	Chattanooga	TN	37415-4600
Prime	Pole Replacement E8622	Chattanooga	TN	37415-4536
Prime	Pole Replacement E9170	Chattanooga	TN	37415-5406
Prime	Pole Replacement E9445	Chattanooga	TN	37415-5306
Prime	Pole Replacement E9456	Chattanooga	TN	37415-3516
Prime	Pole Replacement E9499	Chattanooga	TN	37415-5413
Prime	Pole Replacement E9500	Chattanooga	TN	37415-3134
Prime	Pole Replacement E9504	Chattanooga	TN	37415-5427
Prime	Pole Replacement E9511	Chattanooga	TN	37415-5419
Prime	Pole Replacement F1259	Hixson	TN	37343-4306
Prime	Pole Replacement F1428	Hixson	TN	37343-4802
Prime	Pole Replacement F1534	Hixson	TN	37343-5035
Prime	Pole Replacement F2146	Chattanooga	TN	37415-3816
Prime	Pole Replacement F2167	Chattanooga	TN	37415-3815
Prime	Pole Replacement F2224	Chattanooga	TN	37415-3811
Prime	Pole Replacement F2247	Hixson	TN	37343-4523
Prime	Pole Replacement F4604	Chattanooga	TN	37415-3819
Prime	Pole Replacement F4619	Chattanooga	TN	37415-3816
Prime	Pole Replacement F7109	Chattanooga	TN	37415-5604
Prime	Pole Replacement G2015	Chattanooga	TN	37415-6343
Prime	Pole Replacement G2020	Chattanooga	TN	37415-5750
Prime	Pole Replacement G2100	Chattanooga	TN	37415-5810
Prime	Pole Replacement G2102	Chattanooga	TN	37415-5813
Prime	Pole Replacement G2114	Chattanooga	TN	37415-5815
Prime	Pole Replacement G2119	Chattanooga	TN	37415-5816
Prime	Pole Replacement G2122	Chattanooga	TN	37415-5829
Prime	Pole Replacement G2127	Chattanooga	TN	37415-5821
Prime	Pole Replacement G2143	Chattanooga	TN	37415-5824
Prime	Pole Replacement G2151	Chattanooga	TN	37415-5823
Prime	Pole Replacement G2187	Chattanooga	TN	37415-5813

Prime	Pole Replacement G2188	Chattanooga	TN	37415-5011
Prime	Pole Replacement G2237	Chattanooga	TN	37415-5724
Prime	Pole Replacement G2241	Chattanooga	TN	37415-5839
Prime	Pole Replacement G2250	Chattanooga	TN	37415-5801
Prime	Pole Replacement G2264	Chattanooga	TN	37415-5722
Prime	Pole Replacement G2311	Chattanooga	TN	37415-5706
Prime	Pole Replacement G2323	Chattanooga	TN	37415-5808
Prime	Pole Replacement G2559	Chattanooga	TN	37415-5812
Prime	Pole Replacement G2571	Chattanooga	TN	37415-6205
Prime	Pole Replacement G3007	Chattanooga	TN	37405-1816
Prime	Pole Replacement G3012	Chattanooga	TN	37405-1603
Prime	Pole Replacement G3100	Chattanooga	TN	37405-1822
Prime	Pole Replacement G3260	Chattanooga	TN	37405-2085
Prime	Pole Replacement G4043	Chattanooga	TN	37405-4710
Prime	Pole Replacement G4083	Chattanooga	TN	37415-6436
Prime	Pole Replacement G4085	Chattanooga	TN	37415-6436
Prime	Pole Replacement G4108T	Chattanooga	TN	37415-6512
Prime	Pole Replacement G4152	Chattanooga	TN	37415-6518
Prime	Pole Replacement G4295	Chattanooga	TN	37415-6334
Prime	Pole Replacement G4449	Chattanooga	TN	37415-6402
Prime	Pole Replacement G4453	Chattanooga	TN	37415-6201
Prime	Pole Replacement G4475	Chattanooga	TN	37405-4619
Prime	Pole Replacement G4524	Chattanooga	TN	37415-6339
Prime	Pole Replacement G4562	Chattanooga	TN	37415-6506
Prime	Pole Replacement G4602	Chattanooga	TN	37415-6431
Prime	Pole Replacement G4612	Chattanooga	TN	37415-6426
Prime	Pole Replacement G6078	Chattanooga	TN	37405-1326
Prime	Pole Replacement G6180	Chattanooga	TN	37415-6605
Prime	Pole Replacement G6184	Chattanooga	TN	37405-4703
Prime	Pole Replacement G6227	Chattanooga	TN	37405-1306
Prime	Pole Replacement G6256	Chattanooga	TN	37405-1322
Prime	Pole Replacement G6275	Chattanooga	TN	37415-6453
Prime	Pole Replacement G6292	Chattanooga	TN	37415-6453
Prime	Pole Replacement G6342	Chattanooga	TN	37415-6606
Prime	Pole Replacement G6516	Chattanooga	TN	37415-6516

Prime	Pole Replacement G6517	Chattanooga	TN	37415-6628
Prime	Pole Replacement G6533	Chattanooga	TN	37415-6600
Prime	Pole Replacement G8244	Chattanooga	TN	37405-2638
Prime	Pole Replacement G8502	Chattanooga	TN	37405-3307
Prime	Pole Replacement G8541	Chattanooga	TN	37405-3244
Prime	Pole Replacement G8553	Chattanooga	TN	37405-3753
Prime	Pole Replacement G9295	Chattanooga	TN	37405-3704
Prime	Pole Replacement G9296	Chattanooga	TN	37405-3216
Prime	Pole Replacement G9385	Chattanooga	TN	37405-3746
Prime	Pole Replacement G9460	Chattanooga	TN	37405-2681
Prime	Pole Replacement G9466	Chattanooga	TN	37405-3739
Prime	Pole Replacement G9481	Chattanooga	TN	37405-3731
Prime	Pole Replacement G9484	Chattanooga	TN	37405-3704
Prime	Pole Replacement G9542	Chattanooga	TN	37405-2622
Prime	Pole Replacement H1006	Chattanooga	TN	37415-5935
Prime	Pole Replacement H1013	Chattanooga	TN	37415-5953
Prime	Pole Replacement H1020	Chattanooga	TN	37415-5615
Prime	Pole Replacement H1024	Chattanooga	TN	37415-5907
Prime	Pole Replacement H1030	Chattanooga	TN	37415-5941
Prime	Pole Replacement H1045	Chattanooga	TN	37415-5935
Prime	Pole Replacement H1054T	Chattanooga	TN	37415-5941
Prime	Pole Replacement H1116	Chattanooga	TN	37415-5424
Prime	Pole Replacement H1144	Chattanooga	TN	37415-5117
Prime	Pole Replacement H1259	Chattanooga	TN	37415-5117
Prime	Pole Replacement H1261	Chattanooga	TN	37415-5805
Prime	Pole Replacement H1343	Chattanooga	TN	37415-5627
Prime	Pole Replacement H1398	Chattanooga	TN	37415-5804
Prime	Pole Replacement H1414	Chattanooga	TN	37415-5951
Prime	Pole Replacement H1431	Chattanooga	TN	37415-5909
Prime	Pole Replacement H1433	Chattanooga	TN	37415-5909
Prime	Pole Replacement H1438	Chattanooga	TN	37415-5616
Prime	Pole Replacement H1444	Chattanooga	TN	37415-5628
Prime	Pole Replacement H1466	Chattanooga	TN	37415-6100
Prime	Pole Replacement H1472	Chattanooga	TN	37415-5906
Prime	Pole Replacement H3008	Chattanooga	TN	37415-6132

Prime	Pole Replacement H3057	Chattanooga	TN	37415-5949
Prime	Pole Replacement H3059	Chattanooga	TN	37405-1403
Prime	Pole Replacement H3083	Chattanooga	TN	37405-1405
Prime	Pole Replacement H3145	Chattanooga	TN	37415-5955
Prime	Pole Replacement H3151	Chattanooga	TN	37415-5955
Prime	Pole Replacement H3161	Chattanooga	TN	37405-1505
Prime	Pole Replacement H3187	Chattanooga	TN	37415-6306
Prime	Pole Replacement H3191	Chattanooga	TN	37415-6376
Prime	Pole Replacement H3217	Chattanooga	TN	37405-1514
Prime	Pole Replacement H3316	Chattanooga	TN	37415-6321
Prime	Pole Replacement H3339	Chattanooga	TN	37405-1406
Prime	Pole Replacement H3340	Chattanooga	TN	37415-6317
Prime	Pole Replacement H3367	Chattanooga	TN	37415-5624
Prime	Pole Replacement H3411	Chattanooga	TN	37415-5949
Prime	Pole Replacement H3519	Chattanooga	TN	37405-1404
Prime	Pole Replacement H5144	Chattanooga	TN	37405-2231
Prime	Pole Replacement H5324	Chattanooga	TN	37405-1413
Prime	Pole Replacement H5673	Chattanooga	TN	37405-2248
Prime	Pole Replacement H5675	Chattanooga	TN	37405-2244
Prime	Pole Replacement H6322	Chattanooga	TN	37405-2428
Prime	Pole Replacement H71146	Chattanooga	TN	37405-3847
Prime	Pole Replacement H7216T	Chattanooga	TN	37405-4108
Prime	Pole Replacement H7327T	Chattanooga	TN	37405-4025
Prime	Pole Replacement H7430	Chattanooga	TN	37405-3980
Prime	Pole Replacement H7614T	Chattanooga	TN	37405-3528
Prime	Pole Replacement H7652T	Chattanooga	TN	37405-3422
Prime	Pole Replacement H8053T	Chattanooga	TN	37405-4240
Prime	Pole Replacement H8244T	Chattanooga	TN	37405-3620
Prime	Pole Replacement H9015	Chattanooga	TN	37405-3812
Prime	Pole Replacement H9118	Chattanooga	TN	37405-3202
Prime	Pole Replacement H9302	Chattanooga	TN	37405-3981
Prime	Pole Replacement HB1078	Guild	TN	37340-3002
Prime	Pole Replacement HB1129	Chattanooga	TN	37419-2620
Prime	Pole Replacement HB1170	Chattanooga	TN	37419-2657
Prime	Pole Replacement HB2169	Guild	TN	37340-5030



Prime	Pole Replacement HB2182	Guild	TN	37340-5030
Prime	Pole Replacement HB2202	Guild	TN	37340-5030
Prime	Pole Replacement HB2210	Guild	TN	37340-5034
Prime	Pole Replacement HB2213	Guild	TN	37340-5034
Prime	Pole Replacement HB2214	Guild	TN	37340-5027
Prime	Pole Replacement HB3019	Guild	TN	37340-5027
Prime	Pole Replacement HB3026	Guild	TN	37340-3005
Prime	Pole Replacement HB3113	Guild	TN	37340-5036
Prime	Pole Replacement HB3167	Guild	TN	37340-3026
Prime	Pole Replacement HB3219	Guild	TN	37340-3027
Prime	Pole Replacement HB4002	Guild	TN	37340-3028
Prime	Pole Replacement HB4022	Guild	TN	37340-3049
Prime	Pole Replacement HB4028	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4045	Guild	TN	37340-3038
Prime	Pole Replacement HB4055	Guild	TN	37340-3039
Prime	Pole Replacement HB4084	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4180	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4260	Guild	TN	37340-3029
Prime	Pole Replacement HB4367	Chattanooga	TN	37419-1141
Prime	Pole Replacement HB4384PB	Guild	TN	37340-3011
Prime	Pole Replacement HB4402	Guild	TN	37340-3011
Prime	Pole Replacement HB4443	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4480	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4481	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4483	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4485	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4492	Whiteside	TN	37396-3020
Prime	Pole Replacement HB4498	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4499	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4501	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4508	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4511	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4528	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4531	Chattanooga	TN	37419-1141
Prime	Pole Replacement HB4533	Whiteside	TN	37396-3000

Prime	Pole Replacement HB4559	Whiteside	TN	37396-3000
Prime	Pole Replacement HB4562	Chattanooga	TN	37396-3000
Prime	Pole Replacement HB4565	Guild	TN	37340-3026
Prime	Pole Replacement HB5023	Whiteside	TN	37396-3017
Prime	Pole Replacement HB6060	Chattanooga	TN	37419-2626
Prime	Pole Replacement HN1307	Hixson	TN	37343-2360
Prime	Pole Replacement HN3008	Hixson	TN	37343-1747
Prime	Pole Replacement HN3176	Hixson	TN	37343-2237
Prime	Pole Replacement HN4060	Signal Mountain	TN	37377-1732
Prime	Pole Replacement I1075	Chattanooga	TN	37419-1130
Prime	Pole Replacement I1111	Chattanooga	TN	37419-1042
Prime	Pole Replacement I2008	Chattanooga	TN	37419-1170
Prime	Pole Replacement I2120	Chattanooga	TN	37419-1123
Prime	Pole Replacement I3071	Chattanooga	TN	37405-4418
Prime	Pole Replacement I4051	Chattanooga	TN	37419-1109
Prime	Pole Replacement I4065	Chattanooga	TN	37419-1001
Prime	Pole Replacement I7044	Chattanooga	TN	37419-1040
Prime	Pole Replacement I7067	Chattanooga	TN	37419-1216
Prime	Pole Replacement I7094	Chattanooga	TN	37419-1216
Prime	Pole Replacement I8122	Chattanooga	TN	37419-1306
Prime	Pole Replacement I8162	Chattanooga	TN	37419-1535
Prime	Pole Replacement J1061	Chattanooga	TN	37419-1611
Prime	Pole Replacement J1062	Chattanooga	TN	37419-1614
Prime	Pole Replacement J1397	Chattanooga	TN	37419-1499
Prime	Pole Replacement J2048	Chattanooga	TN	37419-1499
Prime	Pole Replacement J2068	Chattanooga	TN	37409-1022
Prime	Pole Replacement J3047	Chattanooga	TN	37419-2211
Prime	Pole Replacement J4052	Chattanooga	TN	37419-1629
Prime	Pole Replacement J4079	Chattanooga	TN	37419-2020
Prime	Pole Replacement J4457	Chattanooga	TN	37419-2390
Prime	Pole Replacement J7202	Chattanooga	TN	37419-2312
Prime	Pole Replacement J8016	Chattanooga	TN	37419-2427
Prime	Pole Replacement J8065	Chattanooga	TN	37419-2341
Prime	Pole Replacement J9074	Chattanooga	TN	37419-2341
Prime	Pole Replacement J9120	Chattanooga	TN	37419-2432

Prime	Pole Replacement J9121	Chattanooga	TN	37419-2432
Prime	Pole Replacement JA1023	Chattanooga	TN	37419-2432
Prime	Pole Replacement JR4059	Chattanooga	TN	37416-1009
Prime	Pole Replacement JR4152	Chattanooga	TN	37416-1038
Prime	Pole Replacement JR4258	Chattanooga	TN	37416-1229
Prime	Pole Replacement JR4546	Chattanooga	TN	37416-1009
Prime	Pole Replacement JR51272	Harrison	TN	37341-9527
Prime	Pole Replacement JR51275	Harrison	TN	37341-9527
Prime	Pole Replacement JR51278	Harrison	TN	37341-9527
Prime	Pole Replacement JR51282	Harrison	TN	37341-9527
Prime	Pole Replacement JR51284	Harrison	TN	37341-9527
Prime	Pole Replacement JR51287	Harrison	TN	37341-9527
Prime	Pole Replacement JR51288	Harrison	TN	37341-9527
Prime	Pole Replacement JR51294	Chattanooga	TN	37416-1909
Prime	Pole Replacement JR51298	Harrison	TN	37341-9527
Prime	Pole Replacement JR5177	Chattanooga	TN	37416-1477
Prime	Pole Replacement JR5524	Harrison	TN	37341-5939
Prime	Pole Replacement JR5889	Chattanooga	TN	37416-1447
Prime	Pole Replacement JR6072	Chattanooga	TN	37416-2368
Prime	Pole Replacement JR6303	Chattanooga	TN	37416-2416
Prime	Pole Replacement JR6613	Chattanooga	TN	37416-1812
Prime	Pole Replacement JR6642	Chattanooga	TN	37416-1826
Prime	Pole Replacement JR6667	Chattanooga	TN	37416-1890
Prime	Pole Replacement JR6678	Chattanooga	TN	37416-1870
Prime	Pole Replacement JR6680	Chattanooga	TN	37416-1870
Prime	Pole Replacement JR6691	Chattanooga	TN	37416-1825
Prime	Pole Replacement JR6694	Chattanooga	TN	37416-1828
Prime	Pole Replacement JR7137	Harrison	TN	37341-4943
Prime	Pole Replacement JR7519	Harrison	TN	37341-9438
Prime	Pole Replacement JR7723	Harrison	TN	37341-4400
Prime	Pole Replacement JR8114	Harrison	TN	37341-9541
Prime	Pole Replacement JR8157	Harrison	TN	37341-9463
Prime	Pole Replacement K1125	Chattanooga	TN	37409-1036
Prime	Pole Replacement K1155	Chattanooga	TN	37409-1063
Prime	Pole Replacement K2169	Chattanooga	TN	37409-1139

Prime	Pole Replacement K2255	Chattanooga	TN	37409-1245
Prime	Pole Replacement K2354	Chattanooga	TN	37409-1237
Prime	Pole Replacement K2356	Chattanooga	TN	37409-1239
Prime	Pole Replacement K2431	Chattanooga	TN	37409-1227
Prime	Pole Replacement K2518	Chattanooga	TN	37409-1237
Prime	Pole Replacement K3012T	Lookout Mountain	TN	37350-1263
Prime	Pole Replacement K3234T	Lookout Mountain	TN	37350-1214
Prime	Pole Replacement K4078T	Lookout Mountain	TN	37350-1373
Prime	Pole Replacement K4081T	Lookout Mountain	TN	37350-1310
Prime	Pole Replacement K4274	Lookout Mountain	TN	37350-1448
Prime	Pole Replacement K5080	Lookout Mountain	TN	37350-1604
Prime	Pole Replacement K5109	Lookout Mountain	TN	37350-1629
Prime	Pole Replacement K5182	Lookout Mountain	TN	37350-1522
Prime	Pole Replacement K5218	Lookout Mountain	TN	37350-1501
Prime	Pole Replacement K5220	Lookout Mountain	TN	37350-1355
Prime	Pole Replacement K6179	Lookout Mountain	GA	30750-3153
Prime	Pole Replacement K6218	Lookout Mountain	GA	30750-2620
Prime	Pole Replacement K6313	Lookout Mountain	GA	30750-2820
Prime	Pole Replacement K6341	Lookout Mountain	GA	30750-3133
Prime	Pole Replacement K6374	Lookout Mountain	GA	30750-2818
Prime	Pole Replacement K6500	Lookout Mountain	GA	30750-2620
Prime	Pole Replacement K6510	Lookout Mountain	GA	30750-2575
Prime	Pole Replacement K6512	Lookout Mountain	GA	30750-2812
Prime	Pole Replacement K7046	Lookout Mountain	GA	30750-2611
Prime	Pole Replacement K7055	Lookout Mountain	GA	30750-2627
Prime	Pole Replacement K7078	Lookout Mountain	GA	30750-2627
Prime	Pole Replacement K7086	Lookout Mountain	GA	30750-2622
Prime	Pole Replacement K7146	Lookout Mountain	GA	30750-2627
Prime	Pole Replacement K91229	Lookout Mountain	GA	30750-4614
Prime	Pole Replacement K91275	Lookout Mountain	GA	30750-4713
Prime	Pole Replacement K9139	Lookout Mountain	GA	30750-4600
Prime	Pole Replacement K91431	Lookout Mountain	GA	30750-4713
Prime	Pole Replacement K91489	Flintstone	GA	30725-2459
Prime	Pole Replacement K91512	Flintstone	GA	30725-2538
Prime	Pole Replacement K9154	Lookout Mountain	GA	30750-4603

Prime	Pole Replacement K91542	Flintstone	GA	30725-2534
Prime	Pole Replacement K91543	Lookout Mountain	GA	30750-2926
Prime	Pole Replacement K91563	Flintstone	GA	30725-2537
Prime	Pole Replacement K91601	Lookout Mountain	GA	30750-2928
Prime	Pole Replacement K91626	Lookout Mountain	GA	30750-4700
Prime	Pole Replacement K91628	Rising Fawn	GA	30738-2008
Prime	Pole Replacement K91632	Lookout Mountain	GA	30750-4747
Prime	Pole Replacement K9245	Lookout Mountain	GA	30750-2917
Prime	Pole Replacement K9287	Lookout Mountain	GA	30750-2953
Prime	Pole Replacement K9346	Rising Fawn	GA	30738-2003
Prime	Pole Replacement K9408	Lookout Mountain	GA	30750-2946
Prime	Pole Replacement K9458	Flintstone	GA	30725-2538
Prime	Pole Replacement K9501	Lookout Mountain	GA	30750-2725
Prime	Pole Replacement K9609	Lookout Mountain	GA	30750-4701
Prime	Pole Replacement K9662	Rising Fawn	GA	30738-2003
Prime	Pole Replacement K9922	Lookout Mountain	GA	30750-4716
Prime	Pole Replacement L10032	Flintstone	GA	30725-2309
Prime	Pole Replacement L10045	Flintstone	GA	30725-2323
Prime	Pole Replacement L10048	Flintstone	GA	30725-2323
Prime	Pole Replacement L10053	Flintstone	GA	30725-2321
Prime	Pole Replacement L10061	Flintstone	GA	30725-2347
Prime	Pole Replacement L10104	Flintstone	GA	30725-2347
Prime	Pole Replacement L10123	Flintstone	GA	30725-2358
Prime	Pole Replacement L10249	Flintstone	GA	30725-2414
Prime	Pole Replacement L10254	Flintstone	GA	30725-2384
Prime	Pole Replacement L10255	Flintstone	GA	30725-2386
Prime	Pole Replacement L10290	Flintstone	GA	30725-2388
Prime	Pole Replacement L10323	Flintstone	GA	30725-2317
Prime	Pole Replacement L10341	Flintstone	GA	30725-2317
Prime	Pole Replacement L10344	Flintstone	GA	30725-2311
Prime	Pole Replacement L10380	Flintstone	GA	30725-2247
Prime	Pole Replacement L10403	Rossville	GA	30741-6102
Prime	Pole Replacement L10447	Flintstone	GA	30725-2251
Prime	Pole Replacement L1076	Chattanooga	TN	37409-1047
Prime	Pole Replacement L11018	Rossville	GA	30741-6190

Prime	Pole Replacement L11066	Rossville	GA	30741-6282
Prime	Pole Replacement L1114	Chattanooga	TN	37408-3061
Prime	Pole Replacement L1118	Chattanooga	TN	37408-3058
Prime	Pole Replacement L11207	Rossville	GA	30741-6116
Prime	Pole Replacement L11208	Rossville	GA	30741-6190
Prime	Pole Replacement L11329	Rossville	GA	30741-6174
Prime	Pole Replacement L11401	Rossville	GA	30741-6191
Prime	Pole Replacement L11414	Rossville	GA	30741-6188
Prime	Pole Replacement L11436	Flintstone	GA	30725-2461
Prime	Pole Replacement L11445	Flintstone	GA	30725-2461
Prime	Pole Replacement L11446	Flintstone	GA	30725-2461
Prime	Pole Replacement L11451	Flintstone	GA	30725-2461
Prime	Pole Replacement L11462	Rossville	GA	30741-6285
Prime	Pole Replacement L1180	Chattanooga	TN	37409-1047
Prime	Pole Replacement L12002	Rossville	GA	30741-6290
Prime	Pole Replacement L12010	Rossville	GA	30741-6289
Prime	Pole Replacement L12014	Rossville	GA	30741-2823
Prime	Pole Replacement L12092	Rossville	GA	30741-6288
Prime	Pole Replacement L12105	Rossville	GA	30741-6288
Prime	Pole Replacement L12114	Rossville	GA	30741-6243
Prime	Pole Replacement L12136	Flintstone	GA	30725-2635
Prime	Pole Replacement L12137	Flintstone	GA	30725-2636
Prime	Pole Replacement L12151	Flintstone	GA	30725-2636
Prime	Pole Replacement L12174	Flintstone	GA	30725-2636
Prime	Pole Replacement L12203	Flintstone	GA	30725-2512
Prime	Pole Replacement L12219	Flintstone	GA	30725-6201
Prime	Pole Replacement L12231	Rossville	GA	30741-6289
Prime	Pole Replacement L1235	Chattanooga	TN	37410-1657
Prime	Pole Replacement L14014	Rossville	GA	30741-6147
Prime	Pole Replacement L14023	Rossville	GA	30741-6160
Prime	Pole Replacement L14055	Rossville	GA	30741-6308
Prime	Pole Replacement L14077	Rossville	GA	30741-6161
Prime	Pole Replacement L14094	Rossville	GA	30741-6139
Prime	Pole Replacement L14120	Rossville	GA	30741-6323
Prime	Pole Replacement L1417	Chattanooga	TN	37410-1013

Prime	Pole Replacement L1450	Chattanooga	TN	37410-1039
Prime	Pole Replacement L15030	Rossville	GA	30741-2146
Prime	Pole Replacement L15042	Rossville	GA	30741-2143
Prime	Pole Replacement L15045	Rossville	GA	30741-2141
Prime	Pole Replacement L1506	Chattanooga	TN	37410-1124
Prime	Pole Replacement L15079	Rossville	GA	30741-2143
Prime	Pole Replacement L15117	Rossville	GA	30741-2147
Prime	Pole Replacement L15136	Rossville	GA	30741-2148
Prime	Pole Replacement L15137	Rossville	GA	30741-2102
Prime	Pole Replacement L1531	Chattanooga	TN	37410-1039
Prime	Pole Replacement L1572	Chattanooga	TN	37409-1028
Prime	Pole Replacement L16050	Rossville	GA	30741-2140
Prime	Pole Replacement L16069	Flintstone	GA	30725-2120
Prime	Pole Replacement L1623	Chattanooga	TN	37410-1036
Prime	Pole Replacement L1678	Chattanooga	TN	37410-1036
Prime	Pole Replacement L17095	Rossville	GA	30741-2162
Prime	Pole Replacement L17143	Rossville	GA	30741-2265
Prime	Pole Replacement L17155	Rossville	GA	30741-2265
Prime	Pole Replacement L17170	Rossville	GA	30741-2162
Prime	Pole Replacement L17175	Rossville	GA	30741-2163
Prime	Pole Replacement L1794	Chattanooga	TN	37409-1006
Prime	Pole Replacement L2023	Chattanooga	TN	37409-1373
Prime	Pole Replacement L2027	Chattanooga	TN	37410-1600
Prime	Pole Replacement L2074	Chattanooga	TN	37410-1613
Prime	Pole Replacement L2102	Chattanooga	TN	37410-1620
Prime	Pole Replacement L2216	Chattanooga	TN	37410-1800
Prime	Pole Replacement L2257	Chattanooga	TN	37410-1824
Prime	Pole Replacement L2280	Chattanooga	TN	37410-1542
Prime	Pole Replacement L2286	Chattanooga	TN	37410-1556
Prime	Pole Replacement L2350	Chattanooga	TN	37410-1532
Prime	Pole Replacement L2414	Chattanooga	TN	37409-1373
Prime	Pole Replacement L2849	Chattanooga	TN	37410-1603
Prime	Pole Replacement L2854	Chattanooga	TN	37410-1915
Prime	Pole Replacement L2858	Chattanooga	TN	37410-1501
Prime	Pole Replacement L2863	Chattanooga	TN	37410-1918

Prime	Pole Replacement L3021	Chattanooga	TN	37409-1697
Prime	Pole Replacement L3080	Chattanooga	TN	37409-2015
Prime	Pole Replacement L3125	Chattanooga	TN	37409-2107
Prime	Pole Replacement L3130	Chattanooga	TN	37409-2103
Prime	Pole Replacement L3144	Chattanooga	TN	37409-2114
Prime	Pole Replacement L3149	Chattanooga	TN	37409-1726
Prime	Pole Replacement L3153	Chattanooga	TN	37409-1726
Prime	Pole Replacement L3265	Chattanooga	TN	37409-1627
Prime	Pole Replacement L3362	Chattanooga	TN	37409-2129
Prime	Pole Replacement L3374	Chattanooga	TN	37409-1641
Prime	Pole Replacement L3384	Chattanooga	TN	37410-2220
Prime	Pole Replacement L3460	Chattanooga	TN	37410-2224
Prime	Pole Replacement L3477	Chattanooga	TN	37410-1906
Prime	Pole Replacement L3488	Chattanooga	TN	37409-2105
Prime	Pole Replacement L3602	Chattanooga	TN	37409-1636
Prime	Pole Replacement L3610	Chattanooga	TN	37409-2102
Prime	Pole Replacement L3638	Chattanooga	TN	37410-2207
Prime	Pole Replacement L3650	Chattanooga	TN	37409-1829
Prime	Pole Replacement L3693	Chattanooga	TN	37409-2148
Prime	Pole Replacement L3724	Chattanooga	TN	37409-1502
Prime	Pole Replacement L4063	Chattanooga	TN	37409-2215
Prime	Pole Replacement L4065	Chattanooga	TN	37409-2213
Prime	Pole Replacement L4096	Chattanooga	TN	37409-2311
Prime	Pole Replacement L4104	Chattanooga	TN	37409-2320
Prime	Pole Replacement L4120	Chattanooga	TN	37409-2132
Prime	Pole Replacement L4133	Chattanooga	TN	37409-1736
Prime	Pole Replacement L4203	Chattanooga	TN	37410-2234
Prime	Pole Replacement L4246	Chattanooga	TN	37409-2131
Prime	Pole Replacement L4247	Chattanooga	TN	37409-2322
Prime	Pole Replacement L5036	Flintstone	GA	30725-2046
Prime	Pole Replacement L5048	Flintstone	GA	30725-2005
Prime	Pole Replacement L5077	Flintstone	GA	30725-2003
Prime	Pole Replacement L6027	Flintstone	GA	30725-2012
Prime	Pole Replacement L6036	Flintstone	GA	30725-2015
Prime	Pole Replacement L6038PB	Flintstone	GA	30725-2015



Prime	Pole Replacement L6065	Flintstone	GA	30725-2012
Prime	Pole Replacement L6078	Flintstone	GA	30725-2012
Prime	Pole Replacement L7031	Flintstone	GA	30725-2023
Prime	Pole Replacement L7035	Flintstone	GA	30725-2022
Prime	Pole Replacement L7068	Flintstone	GA	30725-2122
Prime	Pole Replacement L7078	Flintstone	GA	30725-2126
Prime	Pole Replacement L7088	Flintstone	GA	30725-2024
Prime	Pole Replacement L7119	Flintstone	GA	30725-2132
Prime	Pole Replacement L7146	Flintstone	GA	30725-2022
Prime	Pole Replacement L7147	Flintstone	GA	30725-2022
Prime	Pole Replacement L7148	Flintstone	GA	30725-2021
Prime	Pole Replacement L7149	Flintstone	GA	30725-2020
Prime	Pole Replacement L7171	Flintstone	GA	30725-2024
Prime	Pole Replacement L7174	Flintstone	GA	30725-2024
Prime	Pole Replacement L7182PB	Flintstone	GA	30725-2020
Prime	Pole Replacement L8020	Flintstone	GA	30725-2036
Prime	Pole Replacement L8061	Flintstone	GA	30725-2333
Prime	Pole Replacement L8076	Flintstone	GA	30725-2335
Prime	Pole Replacement L8089	Flintstone	GA	30725-2041
Prime	Pole Replacement L8114	Flintstone	GA	30725-2333
Prime	Pole Replacement L8147	Flintstone	GA	30725-2085
Prime	Pole Replacement L8156	Flintstone	GA	30725-2085
Prime	Pole Replacement L8226	Flintstone	GA	30725-2063
Prime	Pole Replacement L8230	Flintstone	GA	30725-2099
Prime	Pole Replacement L8294	Flintstone	GA	30725-2382
Prime	Pole Replacement L8314	Flintstone	GA	30725-2303
Prime	Pole Replacement L9009	Rossville	GA	30741-6050
Prime	Pole Replacement L9011	Rossville	GA	30741-6039
Prime	Pole Replacement L9035	Rossville	GA	30741-6017
Prime	Pole Replacement L9101	Rossville	GA	30741-6016
Prime	Pole Replacement L9125	Rossville	GA	30741-6071
Prime	Pole Replacement L9211	Rossville	GA	30741-6068
Prime	Pole Replacement L9212	Rossville	GA	30741-6073
Prime	Pole Replacement L9236	Flintstone	GA	30725-2382
Prime	Pole Replacement M1013	Chattanooga	TN	37403-1710

Prime	Pole Replacement M2055	Chattanooga	TN	37403-1210
Prime	Pole Replacement M2187	Chattanooga	TN	37403-1210
Prime	Pole Replacement M2230	Chattanooga	TN	37403-1303
Prime	Pole Replacement M2285T	Chattanooga	TN	37403-2124
Prime	Pole Replacement M2359	Chattanooga	TN	37403-1401
Prime	Pole Replacement M2488	Chattanooga	TN	37403-1401
Prime	Pole Replacement M2754	Chattanooga	TN	37403-1303
Prime	Pole Replacement M2767	Chattanooga	TN	37403-2109
Prime	Pole Replacement M2826	Chattanooga	TN	37403-2170
Prime	Pole Replacement M3333	Chattanooga	TN	37402-2192
Prime	Pole Replacement M4043	Chattanooga	TN	37403-3014
Prime	Pole Replacement M4068	Chattanooga	TN	37403-2332
Prime	Pole Replacement M41142	Chattanooga	TN	37403-2324
Prime	Pole Replacement M41210	Chattanooga	TN	37403-2332
Prime	Pole Replacement M4123	Chattanooga	TN	37403-3103
Prime	Pole Replacement M41437	Chattanooga	TN	37403-2596
Prime	Pole Replacement M41440	Chattanooga	TN	37403-4206
Prime	Pole Replacement M4147	Chattanooga	TN	37403-3214
Prime	Pole Replacement M4153	Chattanooga	TN	37403-1401
Prime	Pole Replacement M41751	Chattanooga	TN	37403-4120
Prime	Pole Replacement M41759	Chattanooga	TN	37403-2324
Prime	Pole Replacement M41868	Chattanooga	TN	37403-3026
Prime	Pole Replacement M41905	Chattanooga	TN	37403-4312
Prime	Pole Replacement M41910	Chattanooga	TN	37403-4206
Prime	Pole Replacement M4202	Chattanooga	TN	37402-4225
Prime	Pole Replacement M42045	Chattanooga	TN	37403-3406
Prime	Pole Replacement M42079	Chattanooga	TN	37403-3106
Prime	Pole Replacement M42161	Chattanooga	TN	37403-4062
Prime	Pole Replacement M4226	Chattanooga	TN	37403-3008
Prime	Pole Replacement M4341	Chattanooga	TN	37403-4107
Prime	Pole Replacement M4361	Chattanooga	TN	37403-2645
Prime	Pole Replacement M4394	Chattanooga	TN	37403-2710
Prime	Pole Replacement M4500	Chattanooga	TN	37403-1401
Prime	Pole Replacement M4579	Chattanooga	TN	37403-2705
Prime	Pole Replacement M4583	Chattanooga	TN	37403-2014

Prime	Pole Replacement M4631	Chattanooga	TN	37403-2730
Prime	Pole Replacement M4646	Chattanooga	TN	37403-2320
Prime	Pole Replacement M4735	Chattanooga	TN	37403-4011
Prime	Pole Replacement M4755	Chattanooga	TN	37403-3106
Prime	Pole Replacement M5153	Chattanooga	TN	37408-1004
Prime	Pole Replacement M5188	Chattanooga	TN	37402-4418
Prime	Pole Replacement M5301	Chattanooga	TN	37408-1004
Prime	Pole Replacement M5491	Chattanooga	TN	37408-1013
Prime	Pole Replacement M5505	Chattanooga	TN	37408-2413
Prime	Pole Replacement M5720	Chattanooga	TN	37402-2113
Prime	Pole Replacement M5752	Chattanooga	TN	37402-2108
Prime	Pole Replacement M5998	Chattanooga	TN	37408-1016
Prime	Pole Replacement M5999	Chattanooga	TN	37408-2434
Prime	Pole Replacement M6019	Chattanooga	TN	37408-1742
Prime	Pole Replacement M6094	Chattanooga	TN	37408-2511
Prime	Pole Replacement M61226	Chattanooga	TN	37408-1421
Prime	Pole Replacement M61454	Chattanooga	TN	37408-2700
Prime	Pole Replacement M6235	Chattanooga	TN	37408-1742
Prime	Pole Replacement M6238	Chattanooga	TN	37408-1742
Prime	Pole Replacement M6343T	Chattanooga	TN	37408-2525
Prime	Pole Replacement M6619	Chattanooga	TN	37408-2721
Prime	Pole Replacement M6828T	Chattanooga	TN	37408-2128
Prime	Pole Replacement M6953	Chattanooga	TN	37408-1405
Prime	Pole Replacement M6993	Chattanooga	TN	37408-1742
Prime	Pole Replacement M7240	Chattanooga	TN	37408-2525
Prime	Pole Replacement M7241	Chattanooga	TN	37408-2721
Prime	Pole Replacement M7244	Chattanooga	TN	37408-2128
Prime	Pole Replacement M7260	Chattanooga	TN	37408-1405
Prime	Pole Replacement M7263	Chattanooga	TN	37408-1742
Prime	Pole Replacement M7266	Chattanooga	TN	37408-1742
Prime	Pole Replacement M8003	Chattanooga	TN	37408-2602
Prime	Pole Replacement M8011	Chattanooga	TN	37408-2910
Prime	Pole Replacement M8073	Chattanooga	TN	37408-3023
Prime	Pole Replacement M8177	Chattanooga	TN	37408-3046
Prime	Pole Replacement M8279	Chattanooga	TN	37410-1014

Prime	Pole Replacement M8323	Chattanooga	TN	37410-1197
Prime	Pole Replacement M8325	Chattanooga	TN	37408-2922
Prime	Pole Replacement M8398	Chattanooga	TN	37408-2924
Prime	Pole Replacement M8421	Chattanooga	TN	37410-1006
Prime	Pole Replacement M8472	Chattanooga	TN	37408-3049
Prime	Pole Replacement M8518	Chattanooga	TN	37408-3045
Prime	Pole Replacement M8530	Chattanooga	TN	37408-2805
Prime	Pole Replacement M8536	Chattanooga	TN	37410-1038
Prime	Pole Replacement M8549	Chattanooga	TN	37408-2924
Prime	Pole Replacement M8828	Chattanooga	TN	37408-3020
Prime	Pole Replacement M8832	Chattanooga	TN	37408-3016
Prime	Pole Replacement M8838	Chattanooga	TN	37408-3087
Prime	Pole Replacement M8906	Chattanooga	TN	37408-2608
Prime	Pole Replacement M8908	Chattanooga	TN	37410-1012
Prime	Pole Replacement M8909	Chattanooga	TN	37410-1012
Prime	Pole Replacement N1258	Chattanooga	TN	37406-1021
Prime	Pole Replacement N2124	Chattanooga	TN	37406-1300
Prime	Pole Replacement N2126	Chattanooga	TN	37406-1314
Prime	Pole Replacement N2288	Chattanooga	TN	37406-4705
Prime	Pole Replacement N2305	Chattanooga	TN	37406-1397
Prime	Pole Replacement N3075T	Chattanooga	TN	37406-1424
Prime	Pole Replacement N4077T	Chattanooga	TN	37406-3730
Prime	Pole Replacement N4117	Chattanooga	TN	37406-4037
Prime	Pole Replacement N4158	Chattanooga	TN	37406-3631
Prime	Pole Replacement N4165	Chattanooga	TN	37406-4058
Prime	Pole Replacement N4204	Chattanooga	TN	37406-4026
Prime	Pole Replacement N4238	Chattanooga	TN	37406-4017
Prime	Pole Replacement N4242	Chattanooga	TN	37406-3601
Prime	Pole Replacement N4255	Chattanooga	TN	37406-3629
Prime	Pole Replacement N4262	Chattanooga	TN	37406-3068
Prime	Pole Replacement N4471T	Chattanooga	TN	37406-1765
Prime	Pole Replacement N4474	Chattanooga	TN	37406-3631
Prime	Pole Replacement N4476	Chattanooga	TN	37406-4019
Prime	Pole Replacement N5044	Chattanooga	TN	37406-1851
Prime	Pole Replacement N5051	Chattanooga	TN	37406-1825

Prime	Pole Replacement N5056	Chattanooga	TN	37406-1801
Prime	Pole Replacement N5104T	Chattanooga	TN	37406-1808
Prime	Pole Replacement N5233	Chattanooga	TN	37406-1859
Prime	Pole Replacement N5288T	Chattanooga	TN	37406-1930
Prime	Pole Replacement N5320	Chattanooga	TN	37406-2056
Prime	Pole Replacement N5400T	Chattanooga	TN	37406-1933
Prime	Pole Replacement N5527	Chattanooga	TN	37406-3947
Prime	Pole Replacement N5829	Chattanooga	TN	37406-1913
Prime	Pole Replacement N6007	Chattanooga	TN	37406-2333
Prime	Pole Replacement N6011	Chattanooga	TN	37406-5101
Prime	Pole Replacement N6022	Chattanooga	TN	37406-5101
Prime	Pole Replacement N6030	Chattanooga	TN	37406-2343
Prime	Pole Replacement N6034	Chattanooga	TN	37406-2343
Prime	Pole Replacement N6193	Chattanooga	TN	37406-3708
Prime	Pole Replacement N6417	Chattanooga	TN	37406-5101
Prime	Pole Replacement N6454T	Chattanooga	TN	37406-2311
Prime	Pole Replacement N6467	Chattanooga	TN	37406-2348
Prime	Pole Replacement N7027	Chattanooga	TN	37406-2405
Prime	Pole Replacement N7032	Chattanooga	TN	37406-2412
Prime	Pole Replacement N7115T	Chattanooga	TN	37406-3808
Prime	Pole Replacement N7328	Chattanooga	TN	37406-2938
Prime	Pole Replacement N7403T	Chattanooga	TN	37406-2052
Prime	Pole Replacement N7538	Chattanooga	TN	37406-4518
Prime	Pole Replacement N7719	Chattanooga	TN	37406-2444
Prime	Pole Replacement N7781	Chattanooga	TN	37406-3850
Prime	Pole Replacement N8145	Chattanooga	TN	37406-3061
Prime	Pole Replacement N8242	Chattanooga	TN	37406-3063
Prime	Pole Replacement N8243	Chattanooga	TN	37406-4313
Prime	Pole Replacement N8290	Chattanooga	TN	37406-2803
Prime	Pole Replacement N8291	Chattanooga	TN	37406-2817
Prime	Pole Replacement N8342	Chattanooga	TN	37406-4313
Prime	Pole Replacement N8494	Chattanooga	TN	37406-4313
Prime	Pole Replacement N8499	Chattanooga	TN	37406-2803
Prime	Pole Replacement N8500	Chattanooga	TN	37406-4313
Prime	Pole Replacement N8550	Chattanooga	TN	37406-4309

Prime	Pole Replacement N9065	Chattanooga	TN	37406-3212
Prime	Pole Replacement N9107	Chattanooga	TN	37406-4208
Prime	Pole Replacement N9240	Chattanooga	TN	37406-3542
Prime	Pole Replacement N9252	Chattanooga	TN	37406-2944
Prime	Pole Replacement N9620	Chattanooga	TN	37406-3555
Prime	Pole Replacement N9649T	Chattanooga	TN	37406-3249
Prime	Pole Replacement N9651T	Chattanooga	TN	37406-3247
Prime	Pole Replacement N9659	Chattanooga	TN	37406-3023
Prime	Pole Replacement O1062	Chattanooga	TN	37403-1506
Prime	Pole Replacement O1127	Chattanooga	TN	37403-2205
Prime	Pole Replacement O1181	Chattanooga	TN	37404-1908
Prime	Pole Replacement O1323	Chattanooga	TN	37404-2432
Prime	Pole Replacement O1426	Chattanooga	TN	37404-2503
Prime	Pole Replacement O1742	Chattanooga	TN	37404-1908
Prime	Pole Replacement O1744	Chattanooga	TN	37404-1908
Prime	Pole Replacement O1752	Chattanooga	TN	37404-2504
Prime	Pole Replacement O1869	Chattanooga	TN	37403-2208
Prime	Pole Replacement O1939	Chattanooga	TN	37404-1909
Prime	Pole Replacement O2025	Chattanooga	TN	37404-2609
Prime	Pole Replacement O21011	Chattanooga	TN	37404-1108
Prime	Pole Replacement O21038	Chattanooga	TN	37404-1438
Prime	Pole Replacement O21130	Chattanooga	TN	37404-2799
Prime	Pole Replacement O21183	Chattanooga	TN	37404-1718
Prime	Pole Replacement O21204	Chattanooga	TN	37406-4115
Prime	Pole Replacement O2254	Chattanooga	TN	37404-1601
Prime	Pole Replacement O2321	Chattanooga	TN	37404-2744
Prime	Pole Replacement O2360	Chattanooga	TN	37404-2744
Prime	Pole Replacement O2400	Chattanooga	TN	37404-1605
Prime	Pole Replacement O2602	Chattanooga	TN	37406-3444
Prime	Pole Replacement O2768	Chattanooga	TN	37406-4143
Prime	Pole Replacement O2914	Chattanooga	TN	37404-2717
Prime	Pole Replacement O2993	Chattanooga	TN	37404-1017
Prime	Pole Replacement O3089	Chattanooga	TN	37403-2213
Prime	Pole Replacement O31038	Chattanooga	TN	37404-2934
Prime	Pole Replacement O31141	Chattanooga	TN	37404-2507

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Prime	Pole Replacement 031179	Chattanooga	TN	37404-2403
Prime	Pole Replacement 03131	Chattanooga	TN	37403-2811
Prime	Pole Replacement 03206	Chattanooga	TN	37404-2530
Prime	Pole Replacement 03292	Chattanooga	TN	37404-4110
Prime	Pole Replacement 03364	Chattanooga	TN	37403-2220
Prime	Pole Replacement 041281	Chattanooga	TN	37404-2660
Prime	Pole Replacement 041328	Chattanooga	TN	37404-4610
Prime	Pole Replacement 041442	Chattanooga	TN	37404-4609
Prime	Pole Replacement 04292	Chattanooga	TN	37404-2636
Prime	Pole Replacement 04691	Chattanooga	TN	37404-3625
Prime	Pole Replacement 051180	Chattanooga	TN	37404-4921
Prime	Pole Replacement 05739	Chattanooga	TN	37404-6115
Prime	Pole Replacement 06056	Chattanooga	TN	37407-1108
Prime	Pole Replacement 06090T	Chattanooga	TN	37404-4733
Prime	Pole Replacement 061253	Chattanooga	TN	37404-6229
Prime	Pole Replacement 061260	Chattanooga	TN	37407-1110
Prime	Pole Replacement 06183T	Chattanooga	TN	37404-5409
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Prime	Pole Replacement 06320T	Chattanooga	TN	37404-5416
Prime	Pole Replacement 06327T	Chattanooga	TN	37404-5413
Prime	Pole Replacement 06343	Chattanooga	TN	37404-5441
Prime	Pole Replacement 06843	Chattanooga	TN	37404-5809
Prime	Pole Replacement 06930T	Chattanooga	TN	37404-5127
Prime	Pole Replacement 06998	Chattanooga	TN	37404-5428
Prime	Pole Replacement 07110	Chattanooga	TN	37404-5733
Prime	Pole Replacement 07119	Chattanooga	TN	37404-5735
Prime	Pole Replacement 07132T	Chattanooga	TN	37407-1072
Prime	Pole Replacement 07140T	Chattanooga	TN	37404-5719
Prime	Pole Replacement 07162T	Chattanooga	TN	37407-1025
Prime	Pole Replacement 07165T	Chattanooga	TN	37407-1025
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Prime	Pole Replacement 07250	Chattanooga	TN	37407-1346
Prime	Pole Replacement 07267T	Chattanooga	TN	37407-1332
Prime	Pole Replacement 07337T	Chattanooga	TN	37407-1338

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Prime	Pole Replacement O7767	Chattanooga	TN	37407-1332
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Prime	Pole Replacement O8051T	Chattanooga	TN	37407-1027
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Prime	Pole Replacement O8080T	Chattanooga	TN	37407-1613
Prime	Pole Replacement O8082T	Chattanooga	TN	37407-1037
Prime	Pole Replacement O81096	Chattanooga	TN	37404-5804
Prime	Pole Replacement O81097	Chattanooga	TN	37404-5804
Prime	Pole Replacement O81128	Chattanooga	TN	37407-1107
Prime	Pole Replacement O81134	Chattanooga	TN	37404-5985
Prime	Pole Replacement O8155T	Chattanooga	TN	37407-1037
Prime	Pole Replacement O8177T	Chattanooga	TN	37407-1008
Prime	Pole Replacement O8474T	Chattanooga	TN	37404-5817
Prime	Pole Replacement O8689	Chattanooga	TN	37407-1421
Prime	Pole Replacement O8818	Chattanooga	TN	37407-1133
Prime	Pole Replacement OA1083	Ooltewah	TN	37363-7839
Prime	Pole Replacement OA1167	Ooltewah	TN	37363-6676
Prime	Pole Replacement OW1044	Ooltewah	TN	37363-6838
Prime	Pole Replacement OW2086	Ooltewah	TN	37363-8714
Prime	Pole Replacement OW2701	Ooltewah	TN	37363-6550
Prime	Pole Replacement OW3254	Ooltewah	TN	37363-7056
Prime	Pole Replacement OW3449T	Ooltewah	TN	37363-8417
Prime	Pole Replacement OW3476T	Ooltewah	TN	37363-9035
Prime	Pole Replacement OW4309	Ooltewah	TN	37363-9845
Prime	Pole Replacement OW5068	Ooltewah	TN	37363-8532
Prime	Pole Replacement OW51663	Apison	TN	37302-9594
Prime	Pole Replacement OW51839	Ooltewah	TN	37363-8508
Prime	Pole Replacement OW51842	Ooltewah	TN	37363-8893
Prime	Pole Replacement OW5275	Ooltewah	TN	37363-8508
Prime	Pole Replacement OW61047	Ooltewah	TN	37363-8893
Prime	Pole Replacement OW7552	Apison	TN	37302-2236



Prime	Pole Replacement OW7649	Apison	TN	37302-7537
Prime	Pole Replacement P1005T	Chattanooga	TN	37407-1323
Prime	Pole Replacement P1013T	Chattanooga	TN	37407-1356
Prime	Pole Replacement P1021T	Chattanooga	TN	37407-2451
Prime	Pole Replacement P1031T	Chattanooga	TN	37407-1324
Prime	Pole Replacement P1050T	Chattanooga	TN	37407-1920
Prime	Pole Replacement P11021	Rossville	GA	30741-2119
Prime	Pole Replacement P11055	Rossville	GA	30741-2136
Prime	Pole Replacement P11093	Rossville	GA	30741-2187
Prime	Pole Replacement P11110	Rossville	GA	30741-2229
Prime	Pole Replacement P11130	Rossville	GA	30741-2198
Prime	Pole Replacement P11146	Rossville	GA	30741-2165
Prime	Pole Replacement P11388	Rossville	GA	30741-2197
Prime	Pole Replacement P11404	Rossville	GA	30741-2132
Prime	Pole Replacement P11421	Rossville	GA	30741-1738
Prime	Pole Replacement P1161T	Chattanooga	TN	37407-1922
Prime	Pole Replacement P1174T	Chattanooga	TN	37407-2437
Prime	Pole Replacement P1176T	Chattanooga	TN	37407-2419
Prime	Pole Replacement P1185T	Chattanooga	TN	37407-1323
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Prime	Pole Replacement P12020	Rossville	GA	30741-1115
Prime	Pole Replacement P12069	Rossville	GA	30741-1735
Prime	Pole Replacement P12087	Rossville	GA	30741-1733
Prime	Pole Replacement P12122	Rossville	GA	30741-1733
Prime	Pole Replacement P12124	Rossville	GA	30741-1138
Prime	Pole Replacement P12199	Rossville	GA	30741-1733
Prime	Pole Replacement P1245T	Chattanooga	TN	37407-1905
Prime	Pole Replacement P1252	Chattanooga	TN	37407-1334
Prime	Pole Replacement P1255	Chattanooga	TN	37407-1334
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Prime	Pole Replacement P1413T	Chattanooga	TN	37407-1323
Prime	Pole Replacement P1416T	Chattanooga	TN	37407-1323

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Prime	Pole Replacement P1664	Chattanooga	TN	37407-1747
Prime	Pole Replacement P1693	Chattanooga	TN	37410-1432
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Prime	Pole Replacement P2044T	Chattanooga	TN	37407-2007
Prime	Pole Replacement P2046T	Chattanooga	TN	37407-2005
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Prime	Pole Replacement P2088T	Chattanooga	TN	37407-1725
Prime	Pole Replacement P2094T	Chattanooga	TN	37407-1520
Prime	Pole Replacement P2096T	Chattanooga	TN	37407-1519
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Prime	Pole Replacement P2102T	Chattanooga	TN	37407-1521
Prime	Pole Replacement P21047	Chattanooga	TN	37407-2038
Prime	Pole Replacement P21239	Chattanooga	TN	37407-2531
Prime	Pole Replacement P21288T	Chattanooga	TN	37407-2453
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Prime	Pole Replacement P2229T	Chattanooga	TN	37407-2135
Prime	Pole Replacement P2255T	Chattanooga	TN	37407-2129
Prime	Pole Replacement P2268	Chattanooga	TN	37407-1532
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Prime	Pole Replacement P2287T	Chattanooga	TN	37407-1530
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Prime	Pole Replacement P2441T	Chattanooga	TN	37407-1510
Prime	Pole Replacement P2473	Chattanooga	TN	37407-2115
Prime	Pole Replacement P2474T	Chattanooga	TN	37407-2115
Prime	Pole Replacement P2509T	Chattanooga	TN	37407-2121
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Prime	Pole Replacement P2722T	Chattanooga	TN	37407-1808
Prime	Pole Replacement P2723T	Chattanooga	TN	37407-1808
Prime	Pole Replacement P2780T	Chattanooga	TN	37407-2302
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Prime	Pole Replacement P3165T	Chattanooga	TN	37407-2427
Prime	Pole Replacement P3190	Chattanooga	TN	37410-2130
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Prime	Pole Replacement P3377	Chattanooga	TN	37410-1741
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Prime	Pole Replacement P3530	Chattanooga	TN	37410-2184
Prime	Pole Replacement P4005T	Chattanooga	TN	37407-3018
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Prime	Pole Replacement P4074T	Chattanooga	TN	37407-2917
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Prime	Pole Replacement P4353T	Chattanooga	TN	37407-3026
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Prime	Pole Replacement P4513T	Chattanooga	TN	37407-3219

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Prime	Pole Replacement P4628	Chattanooga	TN	37407-3399
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Prime	Pole Replacement P4729	Chattanooga	TN	37407-3224
Prime	Pole Replacement P4786	Chattanooga	TN	37407-2618
Prime	Pole Replacement P4799	Chattanooga	TN	37407-3407
Prime	Pole Replacement P4922	Chattanooga	TN	37407-3137
Prime	Pole Replacement P5010	Chattanooga	TN	37410-2025
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Prime	Pole Replacement P6108	Chattanooga	TN	37407-3247
Prime	Pole Replacement P6112	Chattanooga	TN	37407-3247
Prime	Pole Replacement P6119	Chattanooga	TN	37407-3249
Prime	Pole Replacement P7004	Rossville	GA	30741-1228
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Prime	Pole Replacement P7045	Rossville	GA	30741-1281
Prime	Pole Replacement P7049	Rossville	GA	30741-1826
Prime	Pole Replacement P7057	Rossville	GA	30741-1318
Prime	Pole Replacement P7082	Rossville	GA	30741-1205

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Prime	Pole Replacement P71001	Rossville	GA	30741-1239
Prime	Pole Replacement P71002	Rossville	GA	30741-1283
Prime	Pole Replacement P71004	Rossville	GA	30741-1232
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Prime	Pole Replacement P71019	Rossville	GA	30741-1621
Prime	Pole Replacement P71022	Rossville	GA	30741-1633
Prime	Pole Replacement P7107	Rossville	GA	30741-1332
Prime	Pole Replacement P7139	Rossville	GA	30741-1354
Prime	Pole Replacement P7186	Rossville	GA	30741-1607
Prime	Pole Replacement P7189	Rossville	GA	30741-1608
Prime	Pole Replacement P7199T	Rossville	GA	30741-1613
Prime	Pole Replacement P7213	Rossville	GA	30741-1271
Prime	Pole Replacement P7247	Rossville	GA	30741-1906
Prime	Pole Replacement P7249	Rossville	GA	30741-1907
Prime	Pole Replacement P7263	Rossville	GA	30741-1952
Prime	Pole Replacement P7304	Rossville	GA	30741-1865
Prime	Pole Replacement P7319	Rossville	GA	30741-1876
Prime	Pole Replacement P7363	Rossville	GA	30741-1750
Prime	Pole Replacement P7390	Rossville	GA	30741-2310
Prime	Pole Replacement P7398	Rossville	GA	30741-1631
Prime	Pole Replacement P7443	Rossville	GA	30741-1226
Prime	Pole Replacement P7479T	Rossville	GA	30741-1268
Prime	Pole Replacement P7481	Rossville	GA	30741-1263
Prime	Pole Replacement P7488	Rossville	GA	30741-1263
Prime	Pole Replacement P7492	Rossville	GA	30741-1351
Prime	Pole Replacement P7505	Rossville	GA	30741-9998
Prime	Pole Replacement P7524	Rossville	GA	30741-1232
Prime	Pole Replacement P7527T	Rossville	GA	30741-1263
Prime	Pole Replacement P7549	Rossville	GA	30741-1611
Prime	Pole Replacement P7564	Rossville	GA	30741-1239
Prime	Pole Replacement P7567T	Rossville	GA	30741-1260
Prime	Pole Replacement P7578	Rossville	GA	30741-1205
Prime	Pole Replacement P7608	Rossville	GA	30741-1844
Prime	Pole Replacement P7627	Rossville	GA	30741-1951

Prime	Pole Replacement P7659	Rossville	GA	30741-1236
Prime	Pole Replacement P7663	Rossville	GA	30741-1218
Prime	Pole Replacement P7664	Rossville	GA	30741-1220
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Prime	Pole Replacement P7666	Rossville	GA	30741-1864
Prime	Pole Replacement P7694	Rossville	GA	30741-1635
Prime	Pole Replacement P7696	Rossville	GA	30741-1226
Prime	Pole Replacement P7710	Rossville	GA	30741-1238
Prime	Pole Replacement P7722	Rossville	GA	30741-1833
Prime	Pole Replacement P7750	Chattanooga	TN	37407-3427
Prime	Pole Replacement P7753	Rossville	GA	30741-1251
Prime	Pole Replacement P7783	Rossville	GA	30741-1287
Prime	Pole Replacement P7804	Rossville	GA	30741-1255
Prime	Pole Replacement P7848	Rossville	GA	30741-1228
Prime	Pole Replacement P7856	Rossville	GA	30741-1205
Prime	Pole Replacement P7878	Rossville	GA	30741-1233
Prime	Pole Replacement P7887	Rossville	GA	30741-1821
Prime	Pole Replacement P7892	Rossville	GA	30741-1876
Prime	Pole Replacement P7904	Rossville	GA	30741-1239
Prime	Pole Replacement P7927	Rossville	GA	30741-1852
Prime	Pole Replacement P7932	Rossville	GA	30741-1313
Prime	Pole Replacement P7938	Rossville	GA	30741-1205
Prime	Pole Replacement P7943	Rossville	GA	30741-1243
Prime	Pole Replacement P7944	Rossville	GA	30741-1882
Prime	Pole Replacement P7999	Rossville	GA	30741-1239
Prime	Pole Replacement P8011	Rossville	GA	30741-2310
Prime	Pole Replacement P8012	Rossville	GA	30741-2310
Prime	Pole Replacement P8028	Rossville	GA	30741-2313
Prime	Pole Replacement P8052	Rossville	GA	30741-2216
Prime	Pole Replacement P8072	Rossville	GA	30741-2216
Prime	Pole Replacement P8149	Rossville	GA	30741-1819
Prime	Pole Replacement P8161	Rossville	GA	30741-1819
Prime	Pole Replacement P8170	Rossville	GA	30741-1814
Prime	Pole Replacement P8171	Rossville	GA	30741-1916
Prime	Pole Replacement P8203	Rossville	GA	30741-1913

Prime	Pole Replacement P8222	Rossville	GA	30741-1730
Prime	Pole Replacement P8229	Rossville	GA	30741-2231
Prime	Pole Replacement P8235	Rossville	GA	30741-2348
Prime	Pole Replacement P8252	Rossville	GA	30741-2352
Prime	Pole Replacement P8256	Rossville	GA	30741-2327
Prime	Pole Replacement P8273	Rossville	GA	30741-2226
Prime	Pole Replacement P8278	Rossville	GA	30741-2334
Prime	Pole Replacement P8303	Rossville	GA	30741-2231
Prime	Pole Replacement P8309	Rossville	GA	30741-1955
Prime	Pole Replacement P8312	Rossville	GA	30741-2220
Prime	Pole Replacement P8367	Rossville	GA	30741-2405
Prime	Pole Replacement P8422	Rossville	GA	30741-2203
Prime	Pole Replacement P8466	Rossville	GA	30741-1914
Prime	Pole Replacement P8477	Rossville	GA	30741-1914
Prime	Pole Replacement P9133	Rossville	GA	30741-6305
Prime	Pole Replacement P9176	Rossville	GA	30741-2640
Prime	Pole Replacement P9190	Rossville	GA	30741-2268
Prime	Pole Replacement Q2655	Chattanooga	TN	37416-2114
Prime	Pole Replacement Q2722	Chattanooga	TN	37416-1715
Prime	Pole Replacement Q3020	Chattanooga	TN	37416-3130
Prime	Pole Replacement Q3606	Chattanooga	TN	37416-3242
Prime	Pole Replacement Q5126	Chattanooga	TN	37416-2928
Prime	Pole Replacement Q5253	Chattanooga	TN	37416-3339
Prime	Pole Replacement Q6149	Chattanooga	TN	37416-3106
Prime	Pole Replacement Q6264	Chattanooga	TN	37416-3633
Prime	Pole Replacement Q8207	Chattanooga	TN	37416-3870
Prime	Pole Replacement Q9130	Chattanooga	TN	37421-1600
Prime	Pole Replacement Q9159	Chattanooga	TN	37421-1617
Prime	Pole Replacement Q9204	Chattanooga	TN	37421-2121
Prime	Pole Replacement R2107T	Chattanooga	TN	37406-2214
Prime	Pole Replacement R3078	Chattanooga	TN	37421-2210
Prime	Pole Replacement R4329T	Chattanooga	TN	37411-1057
Prime	Pole Replacement R7007	Chattanooga	TN	37411-1378
Prime	Pole Replacement R7193T	Chattanooga	TN	37411-1518
Prime	Pole Replacement R7226	Chattanooga	TN	37404-6345

Prime	Pole Replacement R8322T	Chattanooga	TN	37411-2306
Prime	Pole Replacement R8559	Chattanooga	TN	37411-1115
Prime	Pole Replacement R9001T	Chattanooga	TN	37411-1227
Prime	Pole Replacement S1026T	Chattanooga	TN	37404-1828
Prime	Pole Replacement S1058	Chattanooga	TN	37411-2643
Prime	Pole Replacement S1152	Chattanooga	TN	37411-1818
Prime	Pole Replacement S1190	Chattanooga	TN	37411-1499
Prime	Pole Replacement S1265	Chattanooga	TN	37411-6900
Prime	Pole Replacement S1354	Chattanooga	TN	37404-1851
Prime	Pole Replacement S1367	Chattanooga	TN	37411-2651
Prime	Pole Replacement S1467	Chattanooga	TN	37404-6323
Prime	Pole Replacement S2226	Chattanooga	TN	37411-3115
Prime	Pole Replacement S2446	Chattanooga	TN	37411-3249
Prime	Pole Replacement S2778	Chattanooga	TN	37411-2815
Prime	Pole Replacement S2784	Chattanooga	TN	37411-1901
Prime	Pole Replacement S3277	Chattanooga	TN	37411-2554
Prime	Pole Replacement S3403	Chattanooga	TN	37411-5513
Prime	Pole Replacement S4104T	Chattanooga	TN	37411-4218
Prime	Pole Replacement S4121	Chattanooga	TN	37411-4126
Prime	Pole Replacement S4158	Chattanooga	TN	37411-4219
Prime	Pole Replacement S4290	Chattanooga	TN	37411-3505
Prime	Pole Replacement S5048T	Chattanooga	TN	37411-4318
Prime	Pole Replacement S51041	Chattanooga	TN	37411-3631
Prime	Pole Replacement S5114	Chattanooga	TN	37411-3603
Prime	Pole Replacement S5131	Chattanooga	TN	37411-3729
Prime	Pole Replacement S5247	Chattanooga	TN	37411-3702
Prime	Pole Replacement S5352	Chattanooga	TN	37411-3704
Prime	Pole Replacement S5397	Chattanooga	TN	37411-5423
Prime	Pole Replacement S5556	Chattanooga	TN	37411-2707
Prime	Pole Replacement S5606	Chattanooga	TN	37411-2754
Prime	Pole Replacement S5618T	Chattanooga	TN	37411-4606
Prime	Pole Replacement S5695	Chattanooga	TN	37411-3601
Prime	Pole Replacement S6143	Chattanooga	TN	37411-3903
Prime	Pole Replacement S6180T	Chattanooga	TN	37411-4905
Prime	Pole Replacement S6388T	Chattanooga	TN	37411-3422



Prime	Pole Replacement S6431T	Chattanooga	TN	37411-3928
Prime	Pole Replacement S6440T	Chattanooga	TN	37411-3309
Prime	Pole Replacement S6452T	Chattanooga	TN	37411-4904
Prime	Pole Replacement S6826	Chattanooga	TN	37411-4704
Prime	Pole Replacement S7081T	Chattanooga	TN	37404-4004
Prime	Pole Replacement S7131T	Chattanooga	TN	37404-4004
Prime	Pole Replacement S7173T	Chattanooga	TN	37412-1710
Prime	Pole Replacement S7200	Chattanooga	TN	37411-5008
Prime	Pole Replacement S7242	Chattanooga	TN	37411-4154
Prime	Pole Replacement S7295	Chattanooga	TN	37412-1379
Prime	Pole Replacement S8061	Chattanooga	TN	37412-2062
Prime	Pole Replacement S8091	Chattanooga	TN	37412-2878
Prime	Pole Replacement S8244	Chattanooga	TN	37411-5248
Prime	Pole Replacement S8260	Chattanooga	TN	37411-5227
Prime	Pole Replacement S8294	Chattanooga	TN	37411-5241
Prime	Pole Replacement S8349T	Chattanooga	TN	37411-5103
Prime	Pole Replacement S8491T	Chattanooga	TN	37412-2916
Prime	Pole Replacement S8524T	Chattanooga	TN	37412-2934
Prime	Pole Replacement S8546T	Chattanooga	TN	37412-2930
Prime	Pole Replacement S8620	Chattanooga	TN	37411-5253
Prime	Pole Replacement S8856	Chattanooga	TN	37412-2599
Prime	Pole Replacement S9206T	Chattanooga	TN	37412-2983
Prime	Pole Replacement S9208T	Chattanooga	TN	37412-2933
Prime	Pole Replacement S9265	Chattanooga	TN	37411-4725
Prime	Pole Replacement S9343T	Chattanooga	TN	37412-3203
Prime	Pole Replacement S9597T	Chattanooga	TN	37411-4856
Prime	Pole Replacement SD10187	Sale Creek	TN	37373-9728
Prime	Pole Replacement SD15470	Dayton	TN	37321-7337
Prime	Pole Replacement SD1778T	Soddy Daisy	TN	37379-7002
Prime	Pole Replacement SD1780T	Soddy Daisy	TN	37379-7004
Prime	Pole Replacement SD1781T	Soddy Daisy	TN	37379-7004
Prime	Pole Replacement SD18002	Soddy Daisy	TN	37379-7001
Prime	Pole Replacement SD18011	Soddy Daisy	TN	37379-5349
Prime	Pole Replacement SD18013	Soddy Daisy	TN	37379-7001
Prime	Pole Replacement SD18018	Soddy Daisy	TN	37379-5410

Prime	Pole Replacement SD18027	Soddy Daisy	TN	37379-5115
Prime	Pole Replacement SD18040	Soddy Daisy	TN	37379-5456
Prime	Pole Replacement SD21120T	Soddy Daisy	TN	37379-3790
Prime	Pole Replacement SD21140T	Soddy Daisy	TN	37379-3792
Prime	Pole Replacement SD2675	Soddy-Daisy	TN	37379-3792
Prime	Pole Replacement SD2928	Soddy Daisy	TN	37379-7131
Prime	Pole Replacement SD31179	Soddy Daisy	TN	37379-5330
Prime	Pole Replacement SD4072	Soddy-Daisy	TN	37379-3792
Prime	Pole Replacement SD4073	Soddy-Daisy	TN	37379-3792
Prime	Pole Replacement SD4447	Soddy Daisy	TN	37379-6102
Prime	Pole Replacement SD4738	Soddy Daisy	TN	37379-5948
Prime	Pole Replacement SD5328	Soddy Daisy	TN	37379-7423
Prime	Pole Replacement SD5552T	Soddy Daisy	TN	37379-5932
Prime	Pole Replacement SD5553T	Soddy Daisy	TN	37379-5932
Prime	Pole Replacement SD6328	Soddy Daisy	TN	37379-8505
Prime	Pole Replacement SD7405T	Soddy Daisy	TN	37379-7825
Prime	Pole Replacement SD7619T	Soddy Daisy	TN	37379-7858
Prime	Pole Replacement SD7654T	Soddy Daisy	TN	37379-7902
Prime	Pole Replacement SD8243	Soddy Daisy	TN	37379-1701
Prime	Pole Replacement SD8393T	Sale Creek	TN	37373-8700
Prime	Pole Replacement SD8413T	Sale Creek	TN	37373-9796
Prime	Pole Replacement SM4016	Signal Mountain	TN	37377-3103
Prime	Pole Replacement T1119T	Chattanooga	TN	37412-1248
Prime	Pole Replacement T1418	Chattanooga	TN	37412-1208
Prime	Pole Replacement T2042T	Chattanooga	TN	37412-2317
Prime	Pole Replacement T2144T	Chattanooga	TN	37412-1647
Prime	Pole Replacement T2294	Chattanooga	TN	37412-1817
Prime	Pole Replacement T2348	Chattanooga	TN	37412-2020
Prime	Pole Replacement T2385	Chattanooga	TN	37412-2436
Prime	Pole Replacement T2446	Chattanooga	TN	37412-2018
Prime	Pole Replacement T2488	Chattanooga	TN	37412-1647
Prime	Pole Replacement T2544	Chattanooga	TN	37412-2022
Prime	Pole Replacement T2822	Chattanooga	TN	37412-2420
Prime	Pole Replacement T2829	Chattanooga	TN	37412-2441
Prime	Pole Replacement T3093	Chattanooga	TN	37412-3188

Prime	Pole Replacement T3172	Chattanooga	TN	37412-3156
Prime	Pole Replacement T3546	Chattanooga	TN	37412-2422
Prime	Pole Replacement T3549	Chattanooga	TN	37412-3048
Prime	Pole Replacement T3554	Chattanooga	TN	37412-2706
Prime	Pole Replacement T3640	Chattanooga	TN	37412-3156
Prime	Pole Replacement T3735	Chattanooga	TN	37412-2714
Prime	Pole Replacement T3747	Chattanooga	TN	37412-2713
Prime	Pole Replacement T3774	Chattanooga	TN	37412-2757
Prime	Pole Replacement T3784	Chattanooga	TN	37412-3251
Prime	Pole Replacement T3822	Chattanooga	TN	37412-3124
Prime	Pole Replacement T3825	Chattanooga	TN	37412-3139
Prime	Pole Replacement T4120T	Chattanooga	TN	37412-4202
Prime	Pole Replacement T4553	Chattanooga	TN	37412-3531
Prime	Pole Replacement T5154	Chattanooga	TN	37412-1171
Prime	Pole Replacement T5411	Chattanooga	TN	37412-1134
Prime	Pole Replacement T5426	Chattanooga	TN	37412-1219
Prime	Pole Replacement T6089T	Chattanooga	TN	37412-1908
Prime	Pole Replacement T6216	Chattanooga	TN	37412-2232
Prime	Pole Replacement T6328	Chattanooga	TN	37412-2242
Prime	Pole Replacement T6421	Chattanooga	TN	37412-1921
Prime	Pole Replacement T6475	Chattanooga	TN	37412-2259
Prime	Pole Replacement T6493	Chattanooga	TN	37412-1452
Prime	Pole Replacement T6501	Chattanooga	TN	37412-2239
Prime	Pole Replacement T6517	Chattanooga	TN	37412-2230
Prime	Pole Replacement T6543	Chattanooga	TN	37412-2231
Prime	Pole Replacement T7161	Chattanooga	TN	37412-2734
Prime	Pole Replacement T7169	Chattanooga	TN	37412-2208
Prime	Pole Replacement T7172	Chattanooga	TN	37412-2299
Prime	Pole Replacement T8027	Chattanooga	TN	37407-3433
Prime	Pole Replacement T8158	Chattanooga	TN	37404-5923
Prime	Pole Replacement U1008	Rossville	GA	30741-1310
Prime	Pole Replacement U1137	Rossville	GA	30741-1532
Prime	Pole Replacement U1138	Rossville	GA	30741-2071
Prime	Pole Replacement U1146	Rossville	GA	30741-2003
Prime	Pole Replacement U1166	Rossville	GA	30741-2019

Prime	Pole Replacement U1288	Rossville	GA	30741-7400
Prime	Pole Replacement U1338	Rossville	GA	30741-7404
Prime	Pole Replacement U1369	Rossville	GA	30741-2064
Prime	Pole Replacement U1419	Rossville	GA	30741-1546
Prime	Pole Replacement U1425	Rossville	GA	30741-1533
Prime	Pole Replacement U1431	Rossville	GA	30741-1670
Prime	Pole Replacement U1453	Rossville	GA	30741-1503
Prime	Pole Replacement U1512	Rossville	GA	30741-1539
Prime	Pole Replacement U1587	Rossville	GA	30741-1507
Prime	Pole Replacement U1645	Rossville	GA	30741-7400
Prime	Pole Replacement U1673	Rossville	GA	30741-1448
Prime	Pole Replacement U1692	Rossville	GA	30741-1331
Prime	Pole Replacement U1723	Rossville	GA	30741-2071
Prime	Pole Replacement U2011	Rossville	GA	30741-5702
Prime	Pole Replacement U2028	Rossville	GA	30741-2973
Prime	Pole Replacement U2169	Rossville	GA	30741-5609
Prime	Pole Replacement U2232	Rossville	GA	30741-3083
Prime	Pole Replacement U2253	Rossville	GA	30741-3174
Prime	Pole Replacement U2260	Rossville	GA	30741-3060
Prime	Pole Replacement U2303	Rossville	GA	30741-3196
Prime	Pole Replacement U2384	Rossville	GA	30741-8153
Prime	Pole Replacement U2409	Rossville	GA	30741-3088
Prime	Pole Replacement U2419	Rossville	GA	30741-3174
Prime	Pole Replacement U2429	Rossville	GA	30741-8126
Prime	Pole Replacement U2462	Rossville	GA	30741-5620
Prime	Pole Replacement U2464	Rossville	GA	30741-8154
Prime	Pole Replacement U2501	Rossville	GA	30741-5523
Prime	Pole Replacement U2506	Rossville	GA	30741-3194
Prime	Pole Replacement U2582	Rossville	GA	30741-8160
Prime	Pole Replacement U2617	Rossville	GA	30741-8136
Prime	Pole Replacement U2662	Rossville	GA	30741-3083
Prime	Pole Replacement U2674	Rossville	GA	30741-5639
Prime	Pole Replacement U3029	Rossville	GA	30741-3285
Prime	Pole Replacement U3057	Rossville	GA	30741-3109
Prime	Pole Replacement U4038	Rossville	GA	30741-2426

Prime	Pole Replacement U4056	Rossville	GA	30741-2012
Prime	Pole Replacement U4112	Rossville	GA	30741-2521
Prime	Pole Replacement U4144	Rossville	GA	30741-2539
Prime	Pole Replacement U4148	Rossville	GA	30741-2580
Prime	Pole Replacement U4150	Rossville	GA	30741-2535
Prime	Pole Replacement U4155	Rossville	GA	30741-2503
Prime	Pole Replacement U4181	Rossville	GA	30741-2458
Prime	Pole Replacement U4188	Rossville	GA	30741-2436
Prime	Pole Replacement U4200	Rossville	GA	30741-2601
Prime	Pole Replacement U4202	Rossville	GA	30741-2620
Prime	Pole Replacement U4222	Rossville	GA	30741-2529
Prime	Pole Replacement U4223	Rossville	GA	30741-2618
Prime	Pole Replacement U4301	Rossville	GA	30741-2436
Prime	Pole Replacement U4337	Rossville	GA	30741-2623
Prime	Pole Replacement U4353	Rossville	GA	30741-2555
Prime	Pole Replacement U4412	Rossville	GA	30741-2623
Prime	Pole Replacement U4414	Rossville	GA	30741-2014
Prime	Pole Replacement U4463	Rossville	GA	30741-2009
Prime	Pole Replacement U4483	Rossville	GA	30741-2650
Prime	Pole Replacement U4531	Rossville	GA	30741-2529
Prime	Pole Replacement U4564	Rossville	GA	30741-2458
Prime	Pole Replacement U4578	Rossville	GA	30741-1432
Prime	Pole Replacement U4584	Rossville	GA	30741-1430
Prime	Pole Replacement U4589	Rossville	GA	30741-2539
Prime	Pole Replacement U5002	Rossville	GA	30741-6608
Prime	Pole Replacement U5128	Rossville	GA	30741-6611
Prime	Pole Replacement U5172	Rossville	GA	30741-5500
Prime	Pole Replacement U5178	Rossville	GA	30741-5684
Prime	Pole Replacement U5343	Rossville	GA	30741-5502
Prime	Pole Replacement U5387	Rossville	GA	30741-2902
Prime	Pole Replacement U5392	Rossville	GA	30741-2034
Prime	Pole Replacement U7051	Rossville	GA	30741-2629
Prime	Pole Replacement U7052	Rossville	GA	30741-3911
Prime	Pole Replacement U7087	Rossville	GA	30741-2663
Prime	Pole Replacement U7088	Rossville	GA	30741-2638

Prime	Pole Replacement U7111	Rossville	GA	30741-2637
Prime	Pole Replacement U8009	Rossville	GA	30741-3620
Prime	Pole Replacement W1124	Chattanooga	TN	37416-3559
Prime	Pole Replacement W1410	Chattanooga	TN	37416-2705
Prime	Pole Replacement W1453	Chattanooga	TN	37416-3203
Prime	Pole Replacement W2251	Chattanooga	TN	37416-1527
Prime	Pole Replacement W2253	Chattanooga	TN	37416-1527
Prime	Pole Replacement W3001	Chattanooga	TN	37421-1085
Prime	Pole Replacement W6080	Chattanooga	TN	37421-1025
Prime	Pole Replacement W6301	Chattanooga	TN	37421-1478
Prime	Pole Replacement W6359	Chattanooga	TN	37421-1056
Prime	Pole Replacement w6416	Chattanooga	TN	37421-1436
Prime	Pole Replacement W6490	Chattanooga	TN	37421-1404
Prime	Pole Replacement W7294	Chattanooga	TN	37421-1643
Prime	Pole Replacement W7337	Chattanooga	TN	37421-1641
Prime	Pole Replacement W8032	Chattanooga	TN	37421-1755
Prime	Pole Replacement W8284	Chattanooga	TN	37421-1738
Prime	Pole Replacement W8295	Chattanooga	TN	37421-6701
Prime	Pole Replacement W9222	Chattanooga	TN	37421-1732
Prime	Pole Replacement x0013x7	Chattanooga	TN	37421-1732
Prime	Pole Replacement X1204	Chattanooga	TN	37421-2310
Prime	Pole Replacement X2032	Chattanooga	TN	37421-2505
Prime	Pole Replacement X2411	Chattanooga	TN	37421-2507
Prime	Pole Replacement X5206	Chattanooga	TN	37421-5740
Prime	Pole Replacement X6304	Chattanooga	TN	37421-3134
Prime	Pole Replacement X8448	Chattanooga	TN	37421-5604
Prime	Pole Replacement X9039	Chattanooga	TN	37421-3167
Prime	Pole Replacement X9258	Chattanooga	TN	37421-5221
Prime	Pole Replacement X9387	Chattanooga	TN	37421-4091
Prime	Pole Replacement Y1117	Chattanooga	TN	37421-3917
Prime	Pole Replacement Y1272	Chattanooga	TN	37421-3920
Prime	Pole Replacement Y2149	Chattanooga	TN	37421-3916
Prime	Pole Replacement Y2158	Chattanooga	TN	37412-4013
Prime	Pole Replacement Y2189	Chattanooga	TN	37421-3916
Prime	Pole Replacement Y6079	Chattanooga	TN	37421-7313

Prime	Pole Replacement Y6092	Chattanooga	TN	37421-4058
Prime	Pole Replacement Y6096	Chattanooga	TN	37421-4100
Prime	Pole Replacement Y7313	Chattanooga	TN	37412-3948
Prime	Pole Replacement Z1109	Chattanooga	TN	37421-3334
Prime	Pole Replacement Z11179T	Chattanooga	TN	37421-2725
Prime	Pole Replacement Z1677	Chattanooga	TN	37421-3208
Prime	Pole Replacement Z1681	Chattanooga	TN	37421-4422
Prime	Pole Replacement Z3001	Chattanooga	TN	37421-4491
Prime	Pole Replacement Z3057T	Chattanooga	TN	37421-4321
Prime	Pole Replacement Z3896	Chattanooga	TN	37421-4336
Prime	Pole Replacement Z3901T	Chattanooga	TN	37421-4563
Prime	Pole Replacement Z3907T	Chattanooga	TN	37421-4578
Prime	Pole Replacement Z3908T	Chattanooga	TN	37421-4528
Prime	Pole Replacement Z3918T	Chattanooga	TN	37421-4580
Prime	Pole Replacement Z3920T	Chattanooga	TN	37421-4580
Prime	Pole Replacement Z3926T	Chattanooga	TN	37421-4583
Prime	Pole Replacement Z3939T	Chattanooga	TN	37421-4586
Prime	Pole Replacement Z6005T	Chattanooga	TN	37421-2748
Prime	Pole Replacement Z6033	Chattanooga	TN	37421-5030
Prime	Pole Replacement Z61148	Chattanooga	TN	37421-2637
Prime	Pole Replacement Z6152	Chattanooga	TN	37421-1216
Prime	Pole Replacement Z7117T	Ooltewah	TN	37363-8317
Prime	Pole Replacement Z7154	Ooltewah	TN	37363-1752
Prime	Pole Replacement Z7468T	Chattanooga	TN	37421-1348
Prime	Pole Replacement Z7482T	Chattanooga	TN	37421-1351
Prime	Pole Replacement Z7506T	Chattanooga	TN	37421-1353
Prime	Pole Replacement Z7512T	Ooltewah	TN	37363-8317
Prime	Pole Replacement Z7518T	Chattanooga	TN	37421-2055
Prime	Pole Replacement Z7519T	Chattanooga	TN	37421-2055
Prime	Pole Replacement Z7520T	Chattanooga	TN	37421-2060
Prime	Pole Replacement Z7549T	Chattanooga	TN	37421-1367
Prime	Pole Replacement Z7552T	Chattanooga	TN	37421-1364
Prime	Pole Replacement Z7558T	Chattanooga	TN	37421-1359
Prime	Pole Replacement Z7573T	Chattanooga	TN	37421-1358
Prime	Pole Replacement Z7589T	Ooltewah	TN	37363-8942

Prime	Pole Replacement Z8041T	Chattanooga	TN	37421-1179
Prime	Pole Replacement Z8043T	Chattanooga	TN	37421-1103
Prime	Pole Replacement Z8064	Ooltewah	TN	37363-9086
Prime	Pole Replacement Z8180	Ooltewah	TN	37363-9086
Prime	Pole Replacement Z8189	Chattanooga	TN	37421-1143
Prime	Pole Replacement Z8363	Ooltewah	TN	37363-7078
Prime	Pole Replacement Z8786	Ooltewah	TN	37363-7078
Prime	Pole Replacement Z8954	Chattanooga	TN	37421-1147
Prime	Pole Replacement Z9062	Ooltewah	TN	37363-9031
Prime	Pole Replacement Z9174	Ooltewah	TN	37363-4877
Prime	Pole Replacement Z9677	Ooltewah	TN	37363-6948
Prime	Pole Replacement Z9683	Ooltewah	TN	37363-6963
Prime	Pole Replacement Z9835T	Chattanooga	TN	37421-5040
Prime	Underground Conversion Y7165	Chattanooga	TN	37412-3940
Prime	Underground Conversion L15002	Flintstone	GA	30725-2105
Prime	Underground Conversion OW6169	Ooltewah	TN	37363-8247
Prime	Underground Conversion T3368	Chattanooga	TN	37412-3140
Prime	Underground Conversion E7117	Chattanooga	TN	37415-6702
Prime	Underground Conversion H1149	Chattanooga	TN	37415-5935
Prime	Underground Conversion OW5707	Ooltewah	TN	37363-8124
Prime	Underground Conversion JR4043	Chattanooga	TN	37416-1061
Prime	Underground Conversion Y1063	Chattanooga	TN	37421-3956
Prime	Underground Conversion DA8246	Hixson	TN	37343-1326
Prime	Underground Conversion L3364	Chattanooga	TN	37409-1911
Prime	Underground Conversion G3063	Chattanooga	TN	37405-1810
Prime	Underground Conversion X8008	Chattanooga	TN	37421-3760
Prime	Underground Conversion Z9061	Ooltewah	TN	37363-9031
Prime	Underground Conversion Z6028	Chattanooga	TN	37421-5054
Prime	Underground Conversion D3678	Hixson	TN	37343-4124
Prime	Underground Conversion C1238	Hixson	TN	37343-3060
Prime	Underground Conversion G3092	Chattanooga	TN	37405-1822
Prime	Underground Conversion S5090	Chattanooga	TN	37411-4535
Prime	Underground Conversion Z8019	Chattanooga	TN	37421-1220
Prime	Underground Conversion O6297	Chattanooga	TN	37404-5461
Prime	Underground Conversion H3230	Chattanooga	TN	37415-6320



Prime	Underground Conversion R5141	Chattanooga	TN	37406-2749
Prime	Underground Conversion R8377	Chattanooga	TN	37411-1623
Prime	Underground Conversion X5127	Chattanooga	TN	37421-5747
Prime	Underground Conversion E3053	Chattanooga	TN	37415-2414
Prime	Underground Conversion SD9053	Sale Creek	TN	37373-9769
Prime	Underground Conversion SD3980	Soddy Daisy	TN	37379-5722
Prime	Underground Conversion B3045	Signal Mountain	TN	37377-2624
Prime	Underground Conversion H5548	Chattanooga	TN	37405-2849
Prime	Underground Conversion F4372	Chattanooga	TN	37415-3510
Prime	Underground Conversion H1084	Chattanooga	TN	37415-5983
Prime	Underground Conversion P11023	Rossville	GA	30741-2161
Prime	Underground Conversion H1118	Chattanooga	TN	37415-5418
Prime	Underground Conversion OW51438	Apison	TN	37302-9592
Prime	Underground Conversion L6110	Flintstone	GA	30725-1125
Prime	Underground Conversion R4187	Chattanooga	TN	37406-2610
Prime	Underground Conversion L9025	Rossville	GA	30741-6101
Prime	Underground Conversion JR5334	Chattanooga	TN	37416-1419
Prime	Underground Conversion K8025	Lookout Mountain	GA	30750-2731
Prime	Underground Conversion D7166	Hixson	TN	37343-5861
Prime	Underground Conversion U1058	Rossville	GA	30741-6101
Prime	Underground Conversion S5275	Chattanooga	TN	37411-4537
Prime	Underground Conversion S6038	Chattanooga	TN	37411-3830
Prime	Underground Conversion Z9473	Ooltewah	TN	37363-8323
Prime	Underground Conversion S51009	Chattanooga	TN	37411-4315
Prime	Underground Conversion E9013	Chattanooga	TN	37415-4718
Prime	Underground Conversion P12023	Rossville	GA	30741-1125
Prime	Underground Conversion Y6070	Chattanooga	TN	37412-4112
Prime	Underground Conversion OW4168	Ooltewah	TN	37363-8817
Prime	Underground Conversion T4446	Chattanooga	TN	37412-3776
Prime	Underground Conversion Z61313	Chattanooga	TN	37421-2603
Prime	Underground Conversion F1442	Chattanooga	TN	37415-3117
Prime	Underground Conversion SD2110	Soddy Daisy	TN	37379-5321
Prime	Underground Conversion C2610	Hixson	TN	37343-2855
Prime	Underground Conversion P8370	Rossville	GA	30741-2405
Prime	Underground Conversion L16003	Flintstone	GA	30725-2115

Prime	Underground Conversion W8185	Chattanooga	TN	37421-1601
Prime	Underground Conversion R5104	Chattanooga	TN	37406-2739
Prime	Underground Conversion JR4044	Chattanooga	TN	37416-1063
Prime	Underground Conversion HB4247	Guild	TN	37340-3036
Prime	Underground Conversion S7452	Chattanooga	TN	37412-1730
Prime	Underground Conversion U4196	Rossville	GA	30741-2436
Prime	Underground Conversion B6136	Chattanooga	TN	37405-9725
Prime	Underground Conversion S1440	Chattanooga	TN	37404-6322
Prime	Underground Conversion Q6182	Chattanooga	TN	37416-3102
Prime	Underground Conversion X8027	Chattanooga	TN	37421-3738
Prime	Underground Conversion L3372	Chattanooga	TN	37410-2223
Prime	Underground Conversion Z9538	Chattanooga	TN	37421-1344
Prime	Underground Conversion D3356	Hixson	TN	37343-4618
Prime	Underground Conversion Q2086	Chattanooga	TN	37416-2014
Prime	Underground Conversion HB2001	Guild	TN	37340-3005
Prime	Underground Conversion HB4138	Whiteside	TN	37396-1400
Prime	Underground Conversion B7286	Signal Mountain	TN	37377-2942
Prime	Underground Conversion OW3382	Chattanooga	TN	37421-1132
Prime	Underground Conversion W5133	Chattanooga	TN	37421-1494
Prime	Underground Conversion O2701	Chattanooga	TN	37406-4236
Prime	Underground Conversion R5083	Chattanooga	TN	37406-2760
Prime	Underground Conversion JR5542	Chattanooga	TN	37416-1552
Prime	Underground Conversion B3560	Signal Mountain	TN	37377-2125
Prime	Underground Conversion JR5752	Chattanooga	TN	37416-1441
Prime	Underground Conversion K9987	Lookout Mountain	GA	30750-4707
Prime	Underground Conversion JR4327	Chattanooga	TN	37416-1018
Prime	Underground Conversion Q3008	Chattanooga	TN	37416-2331
Prime	Underground Conversion W7221	Chattanooga	TN	37421-1604
Prime	Underground Conversion D3071	Hixson	TN	37343-4119
Prime	Underground Conversion S6833	Chattanooga	TN	37411-4713
Prime	Underground Conversion S5500	Chattanooga	TN	37411-5495
Prime	Underground Conversion R8095	Chattanooga	TN	37411-1722
Prime	Underground Conversion T2019	Chattanooga	TN	37412-1602
Prime	Underground Conversion SD3656	Soddy Daisy	TN	37379-5700
Prime	Underground Conversion Q3181	Chattanooga	TN	37416-2312

Prime	Underground Conversion F4290	Chattanooga	TN	37415-3510
Prime	Underground Conversion Q6165	Chattanooga	TN	37416-3164
Prime	Underground Conversion B5265	Signal Mountain	TN	37377-3104
Prime	Underground Conversion D3076	Hixson	TN	37343-4126
Prime	Underground Conversion C2458	Hixson	TN	37343-2856
Prime	Underground Conversion DA6312	Soddy Daisy	TN	37379-8832
Prime	Underground Conversion Z6698	Chattanooga	TN	37421-3359
Prime	Underground Conversion HB1073	Chattanooga	TN	37419-1532
Prime	Underground Conversion S2319	Chattanooga	TN	37411-2813
Prime	Underground Conversion I2002	Chattanooga	TN	37419-1532
Prime	Underground Conversion T9123	Rossville	GA	30741-7642
Prime	Underground Conversion L14046	Rossville	GA	30741-6322
Prime	Underground Conversion X8226	Chattanooga	TN	37421-4041
Prime	Underground Conversion HB4497	Whiteside	TN	37396-3022
Prime	Underground Conversion OW51487	Apison	TN	37302-9539
Prime	Underground Conversion L12019	Flintstone	GA	30725-6201
Prime	Underground Conversion X9127	Chattanooga	TN	37421-5197
Prime	Underground Conversion Y6010	Chattanooga	TN	37421-4058
Prime	Underground Conversion N5068	Chattanooga	TN	37406-4446
Prime	Underground Conversion JR5755	Chattanooga	TN	37416-1453
Prime	Underground Conversion Y6112	Chattanooga	TN	37412-4181
Prime	Underground Conversion S1247	Chattanooga	TN	37411-1822
Prime	Underground Conversion Y1002	Chattanooga	TN	37421-3544
Prime	Underground Conversion L6084	Flintstone	GA	30725-2050
Prime	Underground Conversion DA7055	Soddy Daisy	TN	37379-4252
Prime	Underground Conversion W9627	Chattanooga	TN	37421-3544
Prime	Underground Conversion DA6290	Hixson	TN	37343-1521
Prime	Underground Conversion S3291	Chattanooga	TN	37411-2447
Prime	Underground Conversion G3003	Chattanooga	TN	37405-1606
Prime	Underground Conversion Z1058	Chattanooga	TN	37421-3345
Prime	Underground Conversion T4361	Rossville	GA	30741-7666
Prime	Underground Conversion Z9040	Ooltewah	TN	37363-8050
Prime	Underground Conversion B2448	Signal Mountain	TN	37377-2128
Prime	Underground Conversion OW6838	Mc Donald	TN	37353-4028
Prime	Underground Conversion SD4614	Soddy Daisy	TN	37379-5949

Prime	Underground Conversion W7503	Chattanooga	TN	37421-1702
Prime	Underground Conversion SD6028	Soddy Daisy	TN	37379-8134
Prime	Underground Conversion U1656	Rossville	GA	30741-2427
Prime	Underground Conversion D3638	Hixson	TN	37343-4114
Prime	Underground Conversion P11022	Rossville	GA	30741-2198
Prime	Underground Conversion HB4529	Whiteside	TN	37396-3022
Prime	Underground Conversion T6205	Chattanooga	TN	37412-1511
Prime	Underground Conversion JR5096	Chattanooga	TN	37416-1478
Prime	Underground Conversion SD4094	Soddy Daisy	TN	37379-7506
Prime	Underground Conversion X6109	Chattanooga	TN	37421-3055
Prime	Underground Conversion U4231	Rossville	GA	30741-2605
Prime	Underground Conversion E3222	Chattanooga	TN	37415-2352
Prime	Underground Conversion R1278	Chattanooga	TN	37406-2644
Prime	Underground Conversion HB4241	Guild	TN	37340-3038
Prime	Underground Conversion Z9138	Ooltewah	TN	37363-8046
Prime	Underground Conversion JR5268	Chattanooga	TN	37416-1206
Prime	Underground Conversion SD3018	Soddy Daisy	TN	37379-6516
Prime	Underground Conversion L9130	Rossville	GA	30741-6051
Prime	Underground Conversion E3149	Chattanooga	TN	37415-3305
Prime	Underground Conversion JR5974	Chattanooga	TN	37416-1217
Prime	Underground Conversion S7252	Chattanooga	TN	37404-5521
Prime	Underground Conversion Q3249	Chattanooga	TN	37416-3107
Prime	Underground Conversion D8019	Hixson	TN	37343-4029
Prime	Underground Conversion SD6389	Soddy Daisy	TN	37379-8605
Prime	Underground Conversion C2648	Hixson	TN	37343-5800
Prime	Underground Conversion B3256	Signal Mountain	TN	37377-2505
Prime	Underground Conversion S9389	Chattanooga	TN	37411-4810
Prime	Underground Conversion JR6322	Chattanooga	TN	37416-2442
Prime	Underground Conversion S9508	Chattanooga	TN	37412-2917
Prime	Underground Conversion OW4142	Ooltewah	TN	37363-8798
Prime	Underground Conversion D3988	Hixson	TN	37343-3519
Prime	Underground Conversion R4270	Chattanooga	TN	37406-2705
Prime	Underground Conversion W1086	Chattanooga	TN	37416-3233
Prime	Underground Conversion P7031	Rossville	GA	30741-1487
Prime	Underground Conversion DA5193	Hixson	TN	37343-2067

Prime	Underground Conversion L11183	Rossville	GA	30741-1487
Prime	Underground Conversion DA2111	Soddy Daisy	TN	37379-5005
Prime	Underground Conversion D3825	Chattanooga	TN	37415-7024
Prime	Underground Conversion Z8670	Ooltewah	TN	37363-8424
Prime	Underground Conversion R4158	Chattanooga	TN	37411-1045
Prime	Underground Conversion SD8089	Soddy Daisy	TN	37379-7920
Prime	Underground Conversion P4074	Chattanooga	TN	37407-2917
Prime	Underground Conversion R7195	Chattanooga	TN	37411-1015
Prime	Underground Conversion Z91379	Chattanooga	TN	37421-1144
Prime	Underground Conversion O5849	Chattanooga	TN	37404-5017
Prime	Underground Conversion C4067	Hixson	TN	37343-3670
Prime	Underground Conversion B8077	Signal Mountain	TN	37377-2915
Prime	Underground Conversion SD3436	Soddy Daisy	TN	37379-5700
Prime	Underground Conversion DA7032	Soddy Daisy	TN	37379-4253
Prime	Underground Conversion Y3010	Chattanooga	TN	37421-4141
Prime	Underground Conversion SD6529	Soddy Daisy	TN	37379-8137
Prime	Underground Conversion SD5214	Soddy Daisy	TN	37379-6230
Prime	Underground Conversion W6311	Chattanooga	TN	37421-3044
Prime	Underground Conversion S2731	Chattanooga	TN	37411-2310
Prime	Underground Conversion R9107	Chattanooga	TN	37411-1227
Prime	Underground Conversion OW52308	Apison	TN	37302-9582
Prime	Underground Conversion H1163	Chattanooga	TN	37415-6128
Prime	Underground Conversion R5042	Chattanooga	TN	37406-2771
Prime	Underground Conversion HN2013	Hixson	TN	37343-2110
Prime	Underground Conversion R7004	Chattanooga	TN	37411-1006
Prime	Underground Conversion F1233	Hixson	TN	37343-4335
Prime	Underground Conversion Z9061	Ooltewah	TN	37363-9031
Prime	Underground Conversion SD10343	Sale Creek	TN	37373-7720
Prime	Underground Conversion Q3158	Chattanooga	TN	37416-3229
Prime	Underground Conversion B3070	Signal Mountain	TN	37377-3203
Prime	Underground Conversion DA31034	Soddy Daisy	TN	37379-9022
Prime	Underground Conversion HB4060	Whiteside	TN	37396-1400
Prime	Underground Conversion S1415	Chattanooga	TN	37411-1916
Prime	Underground Conversion Z9423	Ooltewah	TN	37363-8046
Prime	Underground Conversion SD6436	Soddy Daisy	TN	37379-8003

Prime	Underground Conversion D3337	Chattanooga	TN	37415-7026
Prime	Underground Conversion SD3001	Soddy Daisy	TN	37379-5649
Prime	Underground Conversion W7107	Chattanooga	TN	37421-1610
Prime	Underground Conversion OW7240	Apison	TN	37302-9789
Prime	Underground Conversion OW5249	Apison	TN	37302-9520
Prime	Underground Conversion D3076	Hixson	TN	37343-4126
Prime	Underground Conversion HB1004	Chattanooga	TN	37419-2645
Prime	Underground Conversion SD3942	Soddy Daisy	TN	37379-5330
Prime	Underground Conversion E4274	Chattanooga	TN	37415-6879
Prime	Underground Conversion X6035	Chattanooga	TN	37421-3064
Prime	Underground Conversion L15051	Rossville	GA	30741-2142
Prime	Underground Conversion Z1884	Chattanooga	TN	37421-4522
Prime	Underground Conversion SD4107	Soddy-Daisy	TN	37379-8874
Prime	Underground Conversion Z6925	Chattanooga	TN	37421-1519
Prime	Underground Conversion Q2649	Chattanooga	TN	37416-2205
Prime	Underground Conversion H3080	Chattanooga	TN	37405-1405
Prime	Underground Conversion W5092	Chattanooga	TN	37421-1483
Prime	Underground Conversion DA6438	Soddy Daisy	TN	37379-8874
Prime	Underground Conversion B6548	Signal Mountain	TN	37377-2915
Prime	Underground Conversion C3003	Chattanooga	TN	37415-1225
Prime	Underground Conversion R4253	Chattanooga	TN	37406-2628
Prime	Underground Conversion T4393	Chattanooga	TN	37412-3831
Prime	Underground Conversion E4021	Chattanooga	TN	37415-2014
Prime	Underground Conversion E8235	Chattanooga	TN	37415-4526
Prime	Underground Conversion S6459	Chattanooga	TN	37411-5302
Prime	Underground Conversion SD4422	Soddy Daisy	TN	37379-6245
Prime	Underground Conversion Z6391	Chattanooga	TN	37421-1942
Prime	Underground Conversion Q2224	Chattanooga	TN	37416-3135
Prime	Underground Conversion Z9333	Ooltewah	TN	37363-1504
Prime	Underground Conversion E3221	Chattanooga	TN	37415-2928
Prime	Underground Conversion SD4589	Soddy Daisy	TN	37379-7400
Prime	Underground Conversion SD2019	Soddy Daisy	TN	37379-5357
Prime	Underground Conversion Z6561	Chattanooga	TN	37421-1912
Prime	Underground Conversion H1142	Chattanooga	TN	37415-5114
Prime	Underground Conversion DA8784	Hixson	TN	37343-2117

Prime	Underground Conversion OW6248	Ooltewah	TN	37363-8876
Prime	Underground Conversion N3180	Chattanooga	TN	37406-1446
Prime	Underground Conversion HN2059	Hixson	TN	37343-2282
Prime	Underground Conversion HB1027	Chattanooga	TN	37419-2617
Prime	Underground Conversion S3041	Chattanooga	TN	37411-3426
Prime	Underground Conversion DA6526	Soddy Daisy	TN	37379-3119
Prime	Underground Conversion S7160	Chattanooga	TN	37412-1334
Prime	Underground Conversion JR51033	Harrison	TN	37341-9523
Prime	Underground Conversion S6158	Chattanooga	TN	37411-4813
Prime	Underground Conversion Z9141	Ooltewah	TN	37363-1504
Prime	Underground Conversion DA4176	Soddy Daisy	TN	37379-4239
Prime	Underground Conversion N5358	Chattanooga	TN	37406-4601
Prime	Underground Conversion X4036	Chattanooga	TN	37421-2165
Prime	Underground Conversion OW6205	Mc Donald	TN	37353-4065
Prime	Underground Conversion DA7458	Signal Mountain	TN	37377-1719
Prime	Underground Conversion U4210	Rossville	GA	30741-2431
Prime	Underground Conversion N3114	Chattanooga	TN	37406-1530
Prime	Underground Conversion JR8053	Harrison	TN	37341-9591
Prime	Underground Conversion OW6304	Mc Donald	TN	37353-4011
Prime	Underground Conversion S6647	Chattanooga	TN	37411-4919
Prime	Underground Conversion HB1006	Chattanooga	TN	37419-2645
Prime	Underground Conversion L11350	Rossville	GA	30741-6297
Prime	Underground Conversion L3422	Chattanooga	TN	37410-2016
Prime	Underground Conversion W7074	Chattanooga	TN	37421-1610
Prime	Underground Conversion HB2044	Guild	TN	37340-3001
Prime	Underground Conversion B8160	Signal Mountain	TN	37377-2348
Prime	Underground Conversion HB7017	Chattanooga	TN	37419-2617
Prime	Underground Conversion SD14088	Dayton	TN	37321-6739
Prime	Underground Conversion K91256	Flintstone	GA	30725-2537
Prime	Underground Conversion HN3106	Hixson	TN	37343-1887
Prime	Underground Conversion R2074	Chattanooga	TN	37421-2165
Prime	Underground Conversion HB4430	Guild	TN	37340-3020
Prime	Underground Conversion SD6387	Soddy Daisy	TN	37379-8605
Prime	Underground Conversion HB4442	Whiteside	TN	37396-3022
Prime	Underground Conversion O1408	Chattanooga	TN	37403-1524

Prime	Underground Conversion B5122	Signal Mountain	TN	37377-3103
Prime	Microgrid SD13336	Dayton	TN	37321-7512
Prime	Microgrid E4128	Chattanooga	TN	37415-2078
Prime	Microgrid B8123	Chattanooga	TN	37405-7436
Prime	Microgrid JR3069	Harrison	TN	37341-9493
Prime	Microgrid I8244	Chattanooga	TN	37419-1531
Prime	Microgrid A1334	Signal Mountain	TN	37377-3103



Address	City	State	Zip	ZIP 9 Range Start
2930 Corral Rd	Signal Mountain	TN	37377	37377-1320
1007 Olsen Ave	Signal Mountain	TN	37377	37377-2747
4305 Wilson Ave	Signal Mountain	TN	37377	37377-3435
4102 Wilson Ave	Signal Mountain	TN	37377	37377-3432
306 Clegg St	Signal Mountain	TN	37377	37377-3318
1404 James Blvd	Signal Mountain	TN	37377	37377-2630
201 Miles Rd	Signal Mountain	TN	37377	37377-3235
1004 Timesville Rd	Signal Mountain	TN	37377	37377-2610
1439 Gardenhire St	Signal Mountain	TN	37377	37377-3256
4021 W Rd	Signal Mountain	TN	37377	37377-3201
1238 Taft Hwy	Signal Mountain	TN	37377	37377-3294
715 Kentucky Ave	Signal Mountain	TN	37377	37377-2225
709 Kentucky Ave	Signal Mountain	TN	37377	37377-2225
4250 Ponders Way	Signal Mountain	TN	37377	37377-1272
106 Palisades Dr	Signal Mountain	TN	37377	37377-3045
912 Fairmount Ave	Signal Mountain	TN	37377	37377-2406
2400 Cash Canyon Rd	Chattanooga	TN	37419	37419-1142
3115 River Forest Trl	Chattanooga	TN	37419	37419-3003
<b>2314 Cash Canyon Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419</b>	<b>37419-1140</b>
2357 Cash Canyon Rd	Chattanooga	TN	37419	37419-1141
1548 Signal Mountain Blvd	Signal Mountain	TN	37377	37377-2919
1201 Suck Creek Rd	Chattanooga	TN	37405	37405-9713
1627 Shelby Cir	Hixson	TN	37343	37343-3054
6241 Pine Marr Dr	Hixson	TN	37343	37343-2739
5981 Old Dayton Pike	Chattanooga	TN	37415	37415-1229
843 Pickett Gulf Rd	Hixson	TN	37343	37343-2602
6018 Ridgeview Cir	Hixson	TN	37343	37343-3320
1740 Eagle Dr	Hixson	TN	37343	37343-2533
1702 Eagle Dr	Hixson	TN	37343	37343-2533
6308 Hixson Pike	Hixson	TN	37343	37343-5722
6601 Hixson Pike	Hixson	TN	37343	37343-2503
6518 Hixson Pike	Hixson	TN	37343	37343-2502
1720 Big Lake Ln	Hixson	TN	37343	37343-3401
5704 Grubb Rd	Hixson	TN	37343	37343-3708
5519 Highway 153	Hixson	TN	37343	37343-3754
4844 Hixson Pike	Hixson	TN	37343	37343-4416
5317 Highway 153	Hixson	TN	37343	37343-4912
2145 Hamill Rd	Hixson	TN	37343	37343-4028
2201 Hamill Rd	Hixson	TN	37343	37343-4064
9754 Dayton Pike	Soddy Daisy	TN	37379	37379-4728
9632 Cemetery St	Soddy Daisy	TN	37379	37379-4709
10019 Dayton Pike	Soddy Daisy	TN	37379	37379-5004
9743 Dayton Pike	Soddy Daisy	TN	37379	37379-4729
9620 Lovell Rd	Soddy Daisy	TN	37379	37379-3930
131 Swafford Rd	Soddy Daisy	TN	37379	37379-4430
9188 Daisy Dallas Rd	Soddy Daisy	TN	37379	37379-4106

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8834 Gann Rd	Soddy Daisy	TN	37379 37379-4128
1017 Hickory Ave	Hixson	TN	37343 37343-1374
400 Benton Ln	Soddy Daisy	TN	37379 37379-4152
464 Copeland Cemetery Rc	Soddy Daisy	TN	37379 37379-4150
332 Meadowlark Trl	Soddy Daisy	TN	37379 37379-4134
9186 Daisy Dallas Rd	Soddy Daisy	TN	37379 37379-4106
8618 Daisy Dallas Rd	Hixson	TN	37343 37343-1306
8943 Daisy Dallas Rd	Hixson	TN	37343 37343-1218
422 Benton Ln	Soddy Daisy	TN	37379 37379-4152
910 Hickory Ave	Hixson	TN	37343 37343-1309
812 E Old Lovelady Rd	Hixson	TN	37343 37343-1369
8957 Daisy Dallas Rd	Hixson	TN	37343 37343-1244
8516 Hartwell Ln	Hixson	TN	37343 37343-5345
8532 Daisy Dallas Rd	Hixson	TN	37343 37343-1304
1509 Roberts Ave	Hixson	TN	37343 37343-1475
8604 Daisy Dallas Rd	Hixson	TN	37343 37343-1306
8877 Sedman Rd	Hixson	TN	37343 37343-1315
1228 Big Dog Pl	Soddy Daisy	TN	37379 37379-3284
1503 Matherly St	Hixson	TN	37343 37343-1474
1343 Woodsage Dr	Soddy Daisy	TN	37379 37379-8942
1468 Yogi Ln	Soddy Daisy	TN	37379 37379-8982
8419 Daisy Dallas Rd	Hixson	TN	37343 37343-1403
8407 Hale Rd	Hixson	TN	37343 37343-1409
1606 Roberts Ave	Hixson	TN	37343 37343-1400
8987 Hale Rd	Hixson	TN	37343 37343-1452
8204 Daisy Dallas Rd	Hixson	TN	37343 37343-1465
1527 Dallas Lake Rd	Hixson	TN	37343 37343-1405
8979 Hensley Rd	Hixson	TN	37343 37343-1571
1635 Dallas Lake Rd	Hixson	TN	37343 37343-1417
2120 Dallas Lake Rd	Soddy Daisy	TN	37379 37379-8806
1507 Matherly St	Hixson	TN	37343 37343-1474
9068 Polan Ln	Soddy Daisy	TN	37379 37379-8983
1412 Alex Ln	Soddy Daisy	TN	37379 37379-8980
1224 Thrasher Pike	Hixson	TN	37343 37343-1206
8310 Gann Rd	Soddy Daisy	TN	37379 37379-4156
8321 Middle Valley Rd	Hixson	TN	37343 37343-1346
453 Sevier St	Hixson	TN	37343 37343-1652
8332 Gann Rd	Soddy Daisy	TN	37379 37379-4118
8319 Middle Valley Rd	Hixson	TN	37343 37343-1346
8427 Gann Rd	Soddy Daisy	TN	37379 37379-4121
1772 Crabtree Rd	Hixson	TN	37343 37343-1469
7814 Hale Rd	Hixson	TN	37343 37343-1755
1748 Varner Rd	Hixson	TN	37343 37343-1741
8202 Hale Rd	Hixson	TN	37343 37343-1451
1725 Varner Rd	Hixson	TN	37343 37343-1763
4714 Dayton Blvd	Chattanooga	TN	37415 37415-2104
4617 Crestview Cir	Chattanooga	TN	37415 37415-2624

4606 Eldridge Rd	Hixson	TN	37343 37343-4224
640 Morrison Springs Rd	Chattanooga	TN	37415 37415-3499
4016 Dayton Blvd	Chattanooga	TN	37415 37415-7122
3512 Mountain Creek Rd	Chattanooga	TN	37415 37415-6702
206 Greenleaf St	Chattanooga	TN	37415 37415-5043
218 W Euclid Ave	Chattanooga	TN	37415 37415-4608
103 Fair St	Chattanooga	TN	37415 37415-5017
3519 Martin Rd	Chattanooga	TN	37415 37415-4532
3605 Pickering Ave	Chattanooga	TN	37415 37415-4109
3704 Lamar Ave	Chattanooga	TN	37415 37415-4004
105 Greenleaf St	Chattanooga	TN	37415 37415-5019
220 Pippin St	Chattanooga	TN	37415 37415-5036
3402 Dayton Blvd	Chattanooga	TN	37415 37415-4600
506 Overton Dr	Chattanooga	TN	37415 37415-4536
824 Lawson St	Chattanooga	TN	37415 37415-5406
3230 Social Cir	Chattanooga	TN	37415 37415-5306
3513 Hixson Pike	Chattanooga	TN	37415 37415-3516
3435 Oak Knoll Dr	Chattanooga	TN	37415 37415-5413
3428 Kimkaren Way	Chattanooga	TN	37415 37415-3134
3315 Hixson Pike	Chattanooga	TN	37415 37415-5427
3333 Van Buren St	Chattanooga	TN	37415 37415-5419
1330 Ely Rd	Hixson	TN	37343 37343-4306
1110 Cranbrook Dr	Hixson	TN	37343 37343-4802
4503 Hixson Pike	Hixson	TN	37343 37343-5035
4531 N Access Rd	Chattanooga	TN	37415 37415-3816
4471 N Access Rd	Chattanooga	TN	37415 37415-3815
4575 Pinnacle Ln	Chattanooga	TN	37415 37415-3811
4808 Sarasota Dr	Hixson	TN	37343 37343-4523
4500 N Access Rd	Chattanooga	TN	37415 37415-3819
4551 N Access Rd	Chattanooga	TN	37415 37415-3816
1116 Carter Dr	Chattanooga	TN	37415 37415-5604
2612 Lyndon Ave	Chattanooga	TN	37415 37415-6343
2601 Dayton Blvd	Chattanooga	TN	37415 37415-5750
175 Culver St	Chattanooga	TN	37415 37415-5810
208 Culver St	Chattanooga	TN	37415 37415-5813
2812 Easton Ave	Chattanooga	TN	37415 37415-5815
2909 Easton Ave	Chattanooga	TN	37415 37415-5816
217 Harding Rd	Chattanooga	TN	37415 37415-5829
3106 Easton Ave	Chattanooga	TN	37415 37415-5821
3115 Greenwich Ave	Chattanooga	TN	37415 37415-5824
3006 Greenwich Ave	Chattanooga	TN	37415 37415-5823
206 Culver St	Chattanooga	TN	37415 37415-5813
3127 Dayton Blvd	Chattanooga	TN	37415 37415-5011
225 P Poole Ave	Chattanooga	TN	37415 37415-5724
101 Baxter St	Chattanooga	TN	37415 37415-5839
2908 Williamsburg Ln	Chattanooga	TN	37415 37415-5801
123 P Poole Ave	Chattanooga	TN	37415 37415-5722

2802 Berkley Dr	Chattanooga	TN	37415 37415-5706
210 Baxter St	Chattanooga	TN	37415 37415-5808
209 Culver St	Chattanooga	TN	37415 37415-5812
529 Bruning Ln	Chattanooga	TN	37415 37415-6205
136 Dal Brown Rd	Chattanooga	TN	37405 37405-1816
231 Glendale Dr	Chattanooga	TN	37405 37405-1603
128 Signal Hills Dr	Chattanooga	TN	37405 37405-1822
900 Mountain Creek Rd	Chattanooga	TN	37405 37405-2085
320 W Midvale Ave	Chattanooga	TN	37405 37405-4710
270 Vreeland St	Chattanooga	TN	37415 37415-6436
226 Vreeland St	Chattanooga	TN	37415 37415-6436
2226 James Ave	Chattanooga	TN	37415 37415-6512
2110 Lyndon Ave	Chattanooga	TN	37415 37415-6518
2510 Ashmore Ave	Chattanooga	TN	37415 37415-6334
194 Sims Dr	Chattanooga	TN	37415 37415-6402
2401 Briggs Ave	Chattanooga	TN	37415 37415-6201
619 Lullwater Rd	Chattanooga	TN	37405 37405-4619
2401 Lyndon Ave	Chattanooga	TN	37415 37415-6339
2228 Ashmore Ave	Chattanooga	TN	37415 37415-6506
343 Sweetland Dr	Chattanooga	TN	37415 37415-6431
320 W Ridgewood Ave	Chattanooga	TN	37415 37415-6426
194 Strawberry Ln	Chattanooga	TN	37405 37405-1326
1818 Ashmore Ave	Chattanooga	TN	37415 37415-6605
147 Goodson Ave	Chattanooga	TN	37405 37405-4703
114 Hedgewood Dr	Chattanooga	TN	37405 37405-1306
444 Lullwater Rd	Chattanooga	TN	37405 37405-1322
1920 Dayton Blvd	Chattanooga	TN	37415 37415-6453
1912 Dayton Blvd	Chattanooga	TN	37415 37415-6453
1937 Ashmore Ave	Chattanooga	TN	37415 37415-6606
2000 Lyndon Ave	Chattanooga	TN	37415 37415-6516
203 Merriman Ave	Chattanooga	TN	37415 37415-6628
20 Mason Dr	Chattanooga	TN	37415 37415-6600
1024 Beason Dr	Chattanooga	TN	37405 37405-2638
621 W Bell Ave	Chattanooga	TN	37405 37405-3307
605 Nye Cir	Chattanooga	TN	37405 37405-3244
815 Whitehall Rd	Chattanooga	TN	37405 37405-3753
702 Manufacturers Rd	Chattanooga	TN	37405 37405-3704
610 W Manning St	Chattanooga	TN	37405 37405-3216
410 Whitehall Rd	Chattanooga	TN	37405 37405-3746
901 Pineville Rd	Chattanooga	TN	37405 37405-2681
131 Whitehall Rd	Chattanooga	TN	37405 37405-3739
305 Walsh Rd	Chattanooga	TN	37405 37405-3731
700 Manufacturers Rd	Chattanooga	TN	37405 37405-3704
751 Pineville Rd	Chattanooga	TN	37405 37405-2622
3012 Hixson Pike	Chattanooga	TN	37415 37415-5935
2920 Braly Pl	Chattanooga	TN	37415 37415-5953
1021 River Hills Dr	Chattanooga	TN	37415 37415-5615

2801 Ozark Rd	Chattanooga	TN	37415 37415-5907
2712 Haywood Ave	Chattanooga	TN	37415 37415-5941
3002 Hixson Pike	Chattanooga	TN	37415 37415-5935
2716 Haywood Ave	Chattanooga	TN	37415 37415-5941
3208 Hixson Pike	Chattanooga	TN	37415 37415-5424
584 Tiktin Dr	Chattanooga	TN	37415 37415-5117
550 Tiktin Dr	Chattanooga	TN	37415 37415-5117
402 McClure Ter	Chattanooga	TN	37415 37415-5805
1109 E River Hills Dr	Chattanooga	TN	37415 37415-5627
407 McClure Ter	Chattanooga	TN	37415 37415-5804
3011 Rivermont Rd	Chattanooga	TN	37415 37415-5951
2911 Ozark Rd	Chattanooga	TN	37415 37415-5909
2933 Ozark Rd	Chattanooga	TN	37415 37415-5909
1026 River Hills Dr	Chattanooga	TN	37415 37415-5616
1104 W River Hills Dr	Chattanooga	TN	37415 37415-5628
2730 Folts Dr	Chattanooga	TN	37415 37415-6100
16 Ozark Pl	Chattanooga	TN	37415 37415-5906
2623 Crestwood Ave	Chattanooga	TN	37415 37415-6132
2627 Hixson Pike	Chattanooga	TN	37415 37415-5949
1895 Auburndale Ave	Chattanooga	TN	37405 37405-1403
1733 Crestwood Dr	Chattanooga	TN	37405 37405-1405
2001 Hixson Pike	Chattanooga	TN	37415 37415-5955
2029 Hixson Pike	Chattanooga	TN	37415 37415-5955
1917 Hixson Pike	Chattanooga	TN	37405 37405-1505
1213 Altamont Rd	Chattanooga	TN	37415 37415-6306
2569 Highpoint Dr	Chattanooga	TN	37415 37415-6376
1816 Hixson Pike	Chattanooga	TN	37405 37405-1514
2603 Crestwood Dr	Chattanooga	TN	37415 37415-6321
1744 Crestwood Dr	Chattanooga	TN	37405 37405-1406
1804 Crestwood Dr	Chattanooga	TN	37415 37415-6317
1008 River Hills Cir	Chattanooga	TN	37415 37415-5624
2627 Hixson Pike	Chattanooga	TN	37415 37415-5949
1840 Auburndale Ave	Chattanooga	TN	37405 37405-1404
1317 Sharon Cir	Chattanooga	TN	37405 37405-2231
1012 Fernway Rd	Chattanooga	TN	37405 37405-1413
705 Mansion Cir	Chattanooga	TN	37405 37405-2248
719 Mansion Cir	Chattanooga	TN	37405 37405-2244
1605 Woodland Rd	Chattanooga	TN	37405 37405-2428
506 Spears Ave	Chattanooga	TN	37405 37405-3847
416 Beck Ave	Chattanooga	TN	37405 37405-4108
423 Rosewood Ave	Chattanooga	TN	37405 37405-4025
16 E Kent St	Chattanooga	TN	37405 37405-3980
629 Snow St	Chattanooga	TN	37405 37405-3528
306 Chambliss St	Chattanooga	TN	37405 37405-3422
514 Young Ave	Chattanooga	TN	37405 37405-4240
1200 Dugdale St	Chattanooga	TN	37405 37405-3620
439 Cherokee Blvd	Chattanooga	TN	37405 37405-3812

424 Manufacturers Rd	Chattanooga	TN	37405 37405-3202
147 N Market St	Chattanooga	TN	37405 37405-3981
13344 Hwy 41	Guild	TN	37340 37340-3002
16129 Hwy 41	Chattanooga	TN	37419 37419-2620
17115 Hwy 41	Chattanooga	TN	37419 37419-2657
<b>162 McFalls Rd</b>	<b>Guild</b>	<b>TN</b>	<b>37340 37340-</b>
1265 Hales Bar Rd	Guild	TN	37340 37340-5030
1265 Hales Bar Rd	Guild	TN	37340 37340-5030
1000 Hales Bar Rd	Guild	TN	37340 37340-5034
1000 Hales Bar Rd	Guild	TN	37340 37340-5034
950 Hales Bar Rd	Guild	TN	37340 37340-5027
<b>174 Brown Ln</b>	<b>Guild</b>	<b>TN</b>	<b>37340 37340-</b>
11117 Hwy 41	Guild	TN	37340 37340-3005
11318 Hwy 41	Guild	TN	37340 37340-5036
<b>229 Tuder Ln</b>	<b>Guild</b>	<b>TN</b>	<b>37340 37340-</b>
<b>229 Tuder Ln</b>	<b>Guild</b>	<b>TN</b>	<b>37340 37340-</b>
520 Ladds Switch Rd	Guild	TN	37340 37340-3028
139 Dagnan Ln	Guild	TN	37340 37340-3049
4441 Hwy 134	Whiteside	TN	37396 37396-3000
283 Ladds Switch Rd	Guild	TN	37340 37340-3038
183 Ladds Switch Rd	Guild	TN	37340 37340-3039
<b>627 Egypt Hollow Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>260 Aetna Hill Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
662 Ladds Switch Rd	Guild	TN	37340 37340-3029
<b>211 Watertank Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
345 Whiteside Loop	Guild	TN	37340 37340-3011
<b>I-24</b>	<b>Guild</b>	<b>TN</b>	<b>37340 37340-</b>
205 Inez Rd	Whiteside	TN	37396 37396-3020
<b>I-24</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>517 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>465 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>411 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>419 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>197 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>168 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>4717 Hwy 134</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
4465 Hwy 134	Whiteside	TN	37396 37396-3000
<b>4389 Hwy 134</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>4633 Hwy 134</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>211 Watertank Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
<b>134 Hwy</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>414 Aetna Mtn Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
<b>227 Gouger Ln</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
350 Ladds Switch Rd	Guild	TN	37340 37340-3026
426 Scratch Ankle Rd	Whiteside	TN	37396 37396-3017
18039 Hwy 41	Chattanooga	TN	37419 37419-2626
1121 Coffelt Rd	Hixson	TN	37343 37343-2360

1834 Thrasher Pike	Hixson	TN	37343 37343-1747
7618 Middle Valley Rd	Hixson	TN	37343 37343-2237
1410 Sawyer Cemetery Rd	Signal Mountain	TN	37377 37377-1732
1892 Cash Canyon Rd	Chattanooga	TN	37419 37419-1130
<b>1148 Healing Spgs Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-1042</b>
3049 River Canyon Trl	Chattanooga	TN	37419 37419-1170
1341 Burgess Rd	Chattanooga	TN	37419 37419-1123
159 Hamm Rd	Chattanooga	TN	37405 37405-4418
<b>1107 O Grady Dr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-1109</b>
903 Cumberland Rd	Chattanooga	TN	37419 37419-1001
<b>3427 Elder Mtn Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-1040</b>
3449 Cagle Rd	Chattanooga	TN	37419 37419-1216
3449 Cagle Rd	Chattanooga	TN	37419 37419-1216
<b>612 O Grady Dr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-1306</b>
<b>3152 Waterfront Dr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-1535</b>
203 Isbill Rd	Chattanooga	TN	37419 37419-1611
3420 Massengale Rd	Chattanooga	TN	37419 37419-1614
350 Lookout High St	Chattanooga	TN	37419 37419-1499
<b>17620 I-24 Eb</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
2159 Old Wauhatchie Pike	Chattanooga	TN	37409 37409-1022
4025 Cummings Rd	Chattanooga	TN	37419 37419-2211
154 Isbill Rd	Chattanooga	TN	37419 37419-1629
18 Lilac Ave	Chattanooga	TN	37419 37419-2020
3211 Cummings Hwy	Chattanooga	TN	37419 37419-2390
3655 Cummings Hwy	Chattanooga	TN	37419 37419-2312
600 Wauhatchie Pike	Chattanooga	TN	37419 37419-2427
3300 Cummings Rd	Chattanooga	TN	37419 37419-2341
<b>I-24</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
950 Wauhatchie Pike	Chattanooga	TN	37419 37419-2432
950 Wauhatchie Pike	Chattanooga	TN	37419 37419-2432
<b>1100 Willmonte Dr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
7031 Glover Rd	Chattanooga	TN	37416 37416-1009
<b>6819 Bluff View Cir</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37416 37416-1038</b>
4844 Hillsdale Cir	Chattanooga	TN	37416 37416-1229
7025 Glover Rd	Chattanooga	TN	37416 37416-1009
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
<b>5672 Delaine Ln</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37416 37416-1909</b>
<b>6498 Stallion Ln</b>	<b>Harrison</b>	<b>TN</b>	<b>37341 37341-9527</b>
9051 Upchurch Ln	Chattanooga	TN	37416 37416-1477
6505 Easter Dr	Harrison	TN	37341 37341-5939
6129 Champion Rd	Chattanooga	TN	37416 37416-1447

4433 Oakwood Dr	Chattanooga	TN	37416 37416-2368
5502 Kenyon Rd	Chattanooga	TN	37416 37416-2416
3957 Teakwood Dr	Chattanooga	TN	37416 37416-1812
4815 Highway 58	Chattanooga	TN	37416 37416-1826
4817 Highway 58	Chattanooga	TN	37416 37416-1890
4963 Gold Wing Way	Chattanooga	TN	37416 37416-1870
4952 Gold Wing Way	Chattanooga	TN	37416 37416-1870
4856 Highway 58	Chattanooga	TN	37416 37416-1825
4911 Highway 58	Chattanooga	TN	37416 37416-1828
6621 Hunter Rd	Harrison	TN	37341 37341-4943
7118 Garfield Rd	Harrison	TN	37341 37341-9438
6820 Flamingo Ln	Harrison	TN	37341 37341-4400
6022 Porter Dr	Harrison	TN	37341 37341-9541
7012 Sentinel Ln	Harrison	TN	37341 37341-9463
1521 Mountain View Ct	Chattanooga	TN	37409 37409-1036
<b>3766 Cravens Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37409 37409-</b>
1106 S Scenic Hwy	Chattanooga	TN	37409 37409-1139
3818 Longview Ave	Chattanooga	TN	37409 37409-1245
3821 St Elmo Ave	Chattanooga	TN	37409 37409-1237
3905 St Elmo Ave	Chattanooga	TN	37409 37409-1239
315 Old Mountain Rd	Chattanooga	TN	37409 37409-1227
3801 St Elmo Ave	Chattanooga	TN	37409 37409-1237
206 Oak St	Lookout Mountain	TN	37350 37350-1263
420 E Brow Rd	Lookout Mountain	TN	37350 37350-1214
211 W Brow Rd	Lookout Mountain	TN	37350 37350-1373
222 W Brow Rd	Lookout Mountain	TN	37350 37350-1310
324 Irving Pl	Lookout Mountain	TN	37350 37350-1448
216 Fairy Trl	Lookout Mountain	TN	37350 37350-1604
207 Sylvan Dr	Lookout Mountain	TN	37350 37350-1629
1014 Scenic Hwy	Lookout Mountain	TN	37350 37350-1522
81 Bartram Rd	Lookout Mountain	TN	37350 37350-1501
281 Stephenson Ave	Lookout Mountain	TN	37350 37350-1355
8 Kington Ct	Lookout Mountain	GA	30750 30750-3153
1305 Patten Rd	Lookout Mountain	GA	30750 30750-2620
100 Robin Hood Trl	Lookout Mountain	GA	30750 30750-2820
1015 Scenic Hwy	Lookout Mountain	GA	30750 30750-3133
206 Princess Trl	Lookout Mountain	GA	30750 30750-2818
1305 Patten Rd	Lookout Mountain	GA	30750 30750-2620
1201 Fleetwood Dr	Lookout Mountain	GA	30750 30750-2575
102 Hardy Rd	Lookout Mountain	GA	30750 30750-2812
1508 Cinderella Rd	Lookout Mountain	GA	30750 30750-2611
212 Rainbow Dr	Lookout Mountain	GA	30750 30750-2627
214 Rainbow Dr	Lookout Mountain	GA	30750 30750-2627
1401 Patten Rd	Lookout Mountain	GA	30750 30750-2622
206.5 Rainbow Dr	Lookout Mountain	GA	30750 30750-2627
522 Moore Rd	Lookout Mountain	GA	30750 30750-4614
301 Phillips Ln	Lookout Mountain	GA	30750 30750-4713



43 Pleasant Hill Rd	Lookout Mountain	GA	30750 30750-4600
301 Phillips Ln	Lookout Mountain	GA	30750 30750-4713
671 Eagle Cliff Dr	Flintstone	GA	30725 30725-2459
26 Yarbrough Dr	Flintstone	GA	30725 30725-2538
114 Phillips Rd	Lookout Mountain	GA	30750 30750-4603
<b>2333 Nickajack Rd</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-2534</b>
527 MT Olive Rd	Lookout Mountain	GA	30750 30750-2926
64 Sarah Dr	Flintstone	GA	30725 30725-2537
1025 MT Olive Rd	Lookout Mountain	GA	30750 30750-2928
48 Dogwood Rd	Lookout Mountain	GA	30750 30750-4700
393 Vulcan Dr	Rising Fawn	GA	30738 30738-2008
1935 MT Olive Rd	Lookout Mountain	GA	30750 30750-4747
262 Middle Rd	Lookout Mountain	GA	30750 30750-2917
<b>1340 157 Hwy</b>	<b>Lookout Mountain</b>	<b>GA</b>	<b>30750 30750-2953</b>
<b>779 157 Hwy</b>	<b>Rising Fawn</b>	<b>GA</b>	<b>30738 30738-</b>
<b>1107 157 Hwy</b>	<b>Lookout Mountain</b>	<b>GA</b>	<b>30750 30750-2946</b>
26 Yarbrough Dr	Flintstone	GA	30725 30725-2538
1819 Lula Lake Rd	Lookout Mountain	GA	30750 30750-2725
33 Dogwood Rd	Lookout Mountain	GA	30750 30750-4701
<b>3646 Nickajack Rd</b>	<b>Rising Fawn</b>	<b>GA</b>	<b>30738 30738-2003</b>
268 Griffin Rd	Lookout Mountain	GA	30750 30750-4716
18 North Ave	Flintstone	GA	30725 30725-2309
240 South Ave	Flintstone	GA	30725 30725-2323
<b>265 South Ave</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
126 South Ave	Flintstone	GA	30725 30725-2321
<b>265 South Ave</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
781 Mountain View Cir	Flintstone	GA	30725 30725-2347
476 Allgood Rd	Flintstone	GA	30725 30725-2358
135 Williams Ave	Flintstone	GA	30725 30725-2414
3202 Chattanooga Valley R	Flintstone	GA	30725 30725-2384
3248 Chattanooga Valley R	Flintstone	GA	30725 30725-2386
3270 Chattanooga Valley R	Flintstone	GA	30725 30725-2388
<b>313 A&amp;b Mountain View Ci</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-2317</b>
<b>313 A&amp;b Mountain View Ci</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-2317</b>
199 North Ave	Flintstone	GA	30725 30725-2311
246 Woodland Rd	Flintstone	GA	30725 30725-2247
349 Ridgeland Rd	Rossville	GA	30741 30741-6102
617 Woodland Rd	Flintstone	GA	30725 30725-2251
3352 Broad St	Chattanooga	TN	37409 37409-1047
2414 Dry Valley Rd	Rossville	GA	30741 30741-6190
297 W Schmitt Rd	Rossville	GA	30741 30741-6282
3326 Broad St	Chattanooga	TN	37408 37408-3061
3127 Broad St	Chattanooga	TN	37408 37408-3058
1212 Ridgeland Rd	Rossville	GA	30741 30741-6116
2414 Dry Valley Rd	Rossville	GA	30741 30741-6190
39 Burlington Dr	Rossville	GA	30741 30741-6174
57 Stone Ave	Rossville	GA	30741 30741-6191

2280 Dry Valley Rd	Rossville	GA	30741 30741-6188
3833 Chattanooga Valley R	Flintstone	GA	30725 30725-2461
3833 Chattanooga Valley R	Flintstone	GA	30725 30725-2461
3833 Chattanooga Valley R	Flintstone	GA	30725 30725-2461
3833 Chattanooga Valley R	Flintstone	GA	30725 30725-2461
351 W Schmitt Rd	Rossville	GA	30741 30741-6285
3350 Broad St	Chattanooga	TN	37409 37409-1047
895 W Schmitt Rd	Rossville	GA	30741 30741-6290
660 W Schmitt Rd	Rossville	GA	30741 30741-6289
616 Schmitt Rd	Rossville	GA	30741 30741-2823
663 W Schmitt Rd	Rossville	GA	30741 30741-6288
635 W Schmitt Rd	Rossville	GA	30741 30741-6288
215 Berry Rd	Rossville	GA	30741 30741-6243
186 Mark Dr	Flintstone	GA	30725 30725-2635
23 Edward Ln	Flintstone	GA	30725 30725-2636
<b>3757 N 341 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
<b>341 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
<b>5210 193 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-2512</b>
<b>4401 N 341 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-6201</b>
692 W Schmitt Rd	Rossville	GA	30741 30741-6289
3642 Hughes Ave	Chattanooga	TN	37410 37410-1657
1049 Dry Valley Rd	Rossville	GA	30741 30741-6147
1554 Dry Valley Rd	Rossville	GA	30741 30741-6160
75 Pine Hill St	Rossville	GA	30741 30741-6308
1628 Dry Valley Rd	Rossville	GA	30741 30741-6161
45 Cedar Ave	Rossville	GA	30741 30741-6139
61 Scealf Dr	Rossville	GA	30741 30741-6323
3132 Alton Park Blvd	Chattanooga	TN	37410 37410-1013
403 W 33rd St	Chattanooga	TN	37410 37410-1039
1215 Salem Rd	Rossville	GA	30741 30741-2146
1020 Salem Rd	Rossville	GA	30741 30741-2143
960 Salem Rd	Rossville	GA	30741 30741-2141
164 W 31st St	Chattanooga	TN	37410 37410-1124
1028 Salem Rd	Rossville	GA	30741 30741-2143
1224.5 Salem Rd	Rossville	GA	30741 30741-2147
957 Seymour Ave	Rossville	GA	30741 30741-2148
1106 Lafayette Dr	Rossville	GA	30741 30741-2102
400 W 33rd St	Chattanooga	TN	37410 37410-1039
3525 Broad St	Chattanooga	TN	37409 37409-1028
943 Salem Rd	Rossville	GA	30741 30741-2140
1331 Burnt Mill Rd	Flintstone	GA	30725 30725-2120
3008 Alton Park Blvd	Chattanooga	TN	37410 37410-1036
3008 Alton Park Blvd	Chattanooga	TN	37410 37410-1036
1633 Wilson Rd	Rossville	GA	30741 30741-2162
<b>1737 McFarland Ave</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-2265</b>
1751 McFarland Ave	Rossville	GA	30741 30741-2265
1633 Wilson Rd	Rossville	GA	30741 30741-2162

1612 Wilson Rd	Rossville	GA	30741 30741-2163
3401 Broad St	Chattanooga	TN	37409 37409-1006
1161 W 40th St	Chattanooga	TN	37409 37409-1373
4001 Hughes Ave	Chattanooga	TN	37410 37410-1600
4100 Highland Ave	Chattanooga	TN	37410 37410-1613
4126 Hooker Rd	Chattanooga	TN	37410 37410-1620
308 W 47th St	Chattanooga	TN	37410 37410-1800
4513 Oakland Ave	Chattanooga	TN	37410 37410-1824
4217 Oakland Ave	Chattanooga	TN	37410 37410-1542
403 W 42nd St	Chattanooga	TN	37410 37410-1556
4309 Cain Ave	Chattanooga	TN	37410 37410-1532
1161 W 40th St	Chattanooga	TN	37409 37409-1373
204 W 45th St	Chattanooga	TN	37410 37410-1603
4621 Kirkland Ave	Chattanooga	TN	37410 37410-1915
917 W 39th St	Chattanooga	TN	37410 37410-1501
210 W 47th St	Chattanooga	TN	37410 37410-1918
4600 Alabama Ave	Chattanooga	TN	37409 37409-1697
5207 Alabama Ave	Chattanooga	TN	37409 37409-2015
1410 W 53rd St	Chattanooga	TN	37409 37409-2107
1406 W 52nd St	Chattanooga	TN	37409 37409-2103
5103 Beulah Ave	Chattanooga	TN	37409 37409-2114
4924 St Elmo Ave	Chattanooga	TN	37409 37409-1726
4912 St Elmo Ave	Chattanooga	TN	37409 37409-1726
4506 Tennessee Ave	Chattanooga	TN	37409 37409-1627
5410 Tennessee Ave	Chattanooga	TN	37409 37409-2129
4601 St Elmo Ave	Chattanooga	TN	37409 37409-1641
5407 Lee Ave	Chattanooga	TN	37410 37410-2220
<b>5522 O Leary St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37410 37410-2224</b>
4913 Kirkland Ave	Chattanooga	TN	37410 37410-1906
1306 W 53rd St	Chattanooga	TN	37409 37409-2105
4418 St Elmo Ave	Chattanooga	TN	37409 37409-1636
5101 Florida Ave	Chattanooga	TN	37409 37409-2102
100 Arlington Ter	Chattanooga	TN	37410 37410-2207
1209 W 50th St	Chattanooga	TN	37409 37409-1829
1400 W 54th St	Chattanooga	TN	37409 37409-2148
1301 W 45th St	Chattanooga	TN	37409 37409-1502
5701 Alabama Ave	Chattanooga	TN	37409 37409-2215
5611 Alabama Ave	Chattanooga	TN	37409 37409-2213
5512 St Elmo Ave	Chattanooga	TN	37409 37409-2311
5405 Shauff Pl	Chattanooga	TN	37409 37409-2320
5515 Tennessee Ave	Chattanooga	TN	37409 37409-2132
5689 Lee Ave	Chattanooga	TN	37409 37409-1736
5818 Burnt Mill Rd	Chattanooga	TN	37410 37410-2234
5590 Tennessee Ave	Chattanooga	TN	37409 37409-2131
5617 Tennessee Ave	Chattanooga	TN	37409 37409-2322
14 Pipe Shop Rd	Flintstone	GA	30725 30725-2046
610 Chattanooga Valley Rd	Flintstone	GA	30725 30725-2005

576 Chattanooga Valley Rd	Flintstone	GA	30725 30725-2003
1123 Chattanooga Valley R	Flintstone	GA	30725 30725-2012
1224 Chattanooga Valley R	Flintstone	GA	30725 30725-2015
1250 Chattanooga Valley R	Flintstone	GA	30725 30725-2015
1123 Chattanooga Valley R	Flintstone	GA	30725 30725-2012
1049 Chattanooga Valley R	Flintstone	GA	30725 30725-2012
1800 Chattanooga Valley R	Flintstone	GA	30725 30725-2023
1885 Chattanooga Valley R	Flintstone	GA	30725 30725-2022
1669 Burnt Mill Rd	Flintstone	GA	30725 30725-2122
1823 Burnt Mill Rd	Flintstone	GA	30725 30725-2126
1971 Chattanooga Valley R	Flintstone	GA	30725 30725-2024
2191 Burnt Mill Rd	Flintstone	GA	30725 30725-2132
1835 Chattanooga Valley R	Flintstone	GA	30725 30725-2022
1835 Chattanooga Valley R	Flintstone	GA	30725 30725-2022
1636 Chattanooga Valley R	Flintstone	GA	30725 30725-2021
1637 Chattanooga Valley R	Flintstone	GA	30725 30725-2020
<b>193 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
1971 Chattanooga Valley R	Flintstone	GA	30725 30725-2024
1601 Chattanooga Valley R	Flintstone	GA	30725 30725-2020
2523 Chattanooga Valley R	Flintstone	GA	30725 30725-2036
149 Mountain View Cir	Flintstone	GA	30725 30725-2333
227 Mountain View Cir	Flintstone	GA	30725 30725-2335
2665 Chattanooga Valley R	Flintstone	GA	30725 30725-2041
149 Mountain View Cir	Flintstone	GA	30725 30725-2333
503 Flintstone Rd	Flintstone	GA	30725 30725-2085
503 Flintstone Rd	Flintstone	GA	30725 30725-2085
31 Rock Creek Rd	Flintstone	GA	30725 30725-2063
649 Rock Creek Rd	Flintstone	GA	30725 30725-2099
3058 Chattanooga Valley R	Flintstone	GA	30725 30725-2382
295 Woodlawn Cir	Flintstone	GA	30725 30725-2303
44 Angland Rd	Rossville	GA	30741 30741-6050
684 Dry Valley Rd	Rossville	GA	30741 30741-6039
3644 Happy Valley Rd	Rossville	GA	30741 30741-6017
3595 Happy Valley Rd	Rossville	GA	30741 30741-6016
43 Adams Ln	Rossville	GA	30741 30741-6071
506 Talley Ave	Rossville	GA	30741 30741-6068
42 Adams Ln	Rossville	GA	30741 30741-6073
<b>216 Hutcheson Rd</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
309 Lookout St	Chattanooga	TN	37403 37403-1710
521 Battery Pl	Chattanooga	TN	37403 37403-1210
<b>702 Mocs Alumni Dr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-</b>
865 E 3rd St	Chattanooga	TN	37403 37403-1303
414 Wiehl St	Chattanooga	TN	37403 37403-2124
1043 Blackford St	Chattanooga	TN	37403 37403-1401
<b>320 Palmetto St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-</b>
865 E 3rd St	Chattanooga	TN	37403 37403-1303
1010 E 3rd St	Chattanooga	TN	37403 37403-2109

365 Hampton St	Chattanooga	TN	37403 37403-2170
901 Riverfront Pkwy	Chattanooga	TN	37402 37402-2192
1002 Central Ave	Chattanooga	TN	37403 37403-3014
841 Ft Wood St	Chattanooga	TN	37403 37403-2332
514 Palmetto St	Chattanooga	TN	37403 37403-2324
841 Ft Wood St	Chattanooga	TN	37403 37403-2332
718 E 11th St	Chattanooga	TN	37403 37403-3103
650 McCallie Ave	Chattanooga	TN	37403 37403-2596
529 E 11th St	Chattanooga	TN	37403 37403-4206
1001 E 12th St	Chattanooga	TN	37403 37403-3214
<b>1004 E 12th St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-</b>
825 Douglas St	Chattanooga	TN	37403 37403-4120
514 Palmetto St	Chattanooga	TN	37403 37403-2324
906 E 10th St	Chattanooga	TN	37403 37403-3026
412 E 10th St	Chattanooga	TN	37403 37403-4312
515 E 11th St	Chattanooga	TN	37403 37403-4206
233 E 11th St	Chattanooga	TN	37402 37402-4225
605 Lindsay St	Chattanooga	TN	37403 37403-3406
710 E 12th St	Chattanooga	TN	37403 37403-3106
310 E 8th St	Chattanooga	TN	37403 37403-4062
1017 E 10th St	Chattanooga	TN	37403 37403-3008
<b>310 E Martin Luther King Jr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-4107</b>
863 Flynn St	Chattanooga	TN	37403 37403-2645
<b>1014 E Martin Luther King</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-2710</b>
<b>775 Houston St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-</b>
<b>820 E Martin Luther King Jr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-2705</b>
607 Douglas St	Chattanooga	TN	37403 37403-2014
722 Park Ave	Chattanooga	TN	37403 37403-2730
921 Vine St	Chattanooga	TN	37403 37403-2320
307 E 8th St	Chattanooga	TN	37403 37403-4011
740 E 12th St	Chattanooga	TN	37403 37403-3106
1815 Riverfront Pkwy	Chattanooga	TN	37408 37408-1004
1309 Chestnut St	Chattanooga	TN	37402 37402-4418
1815 Riverfront Pkwy	Chattanooga	TN	37408 37408-1004
980 W 19th St	Chattanooga	TN	37408 37408-1013
2106 Ft St	Chattanooga	TN	37408 37408-2413
1504 Riverfront Pkwy	Chattanooga	TN	37402 37402-2113
1247 Riverfront Pkwy	Chattanooga	TN	37402 37402-2108
1025 W 19th St	Chattanooga	TN	37408 37408-1016
2120 Chestnut St	Chattanooga	TN	37408 37408-2434
<b>276 W 21st St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37408 37408-</b>
2100 Broad St	Chattanooga	TN	37408 37408-2511
1406 Madison St	Chattanooga	TN	37408 37408-1421
2000 Washington St	Chattanooga	TN	37408 37408-2700
1225 Cowart St	Chattanooga	TN	37402 37402-2710
<b>276 W 21st St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37408 37408-</b>
125 W 20th St	Chattanooga	TN	37408 37408-2525

310 E 20th St	Chattanooga	TN	37408 37408-2721
1706 Jefferson St	Chattanooga	TN	37408 37408-2128
601 E Main St	Chattanooga	TN	37408 37408-1405
1904 Long St	Chattanooga	TN	37408 37408-1742
I-24	Chattanooga	TN	37408 37408-
I-24	Chattanooga	TN	37408 37408-
I-24	Chattanooga	TN	37408 37408-
I-24	Chattanooga	TN	37408 37408-
I-24	Chattanooga	TN	37408 37408-
2790 Chestnut St	Chattanooga	TN	37408 37408-
2501 Market St	Chattanooga	TN	37408 37408-2602
2451 Broad St	Chattanooga	TN	37408 37408-2910
2613 Broad St	Chattanooga	TN	37408 37408-3023
2603 Williams St	Chattanooga	TN	37408 37408-3046
3117 Alton Park Blvd	Chattanooga	TN	37410 37410-1014
200 E 28th St	Chattanooga	TN	37410 37410-1197
2401 Broad St	Chattanooga	TN	37408 37408-2922
2533 Long St	Chattanooga	TN	37408 37408-2924
3000 Alton Park Blvd	Chattanooga	TN	37410 37410-1006
2704 Williams St	Chattanooga	TN	37408 37408-3049
2640 Williams St	Chattanooga	TN	37408 37408-3045
2655 Sidney St	Chattanooga	TN	37408 37408-2805
2906 Market St	Chattanooga	TN	37410 37410-1038
2503 Long St	Chattanooga	TN	37408 37408-2924
300 W 28th St	Chattanooga	TN	37408 37408-3020
100 W 28th St	Chattanooga	TN	37408 37408-3016
24 W 28th St	Chattanooga	TN	37408 37408-3087
139 E 25th St	Chattanooga	TN	37408 37408-2608
3015 Alton Park Blvd	Chattanooga	TN	37410 37410-1012
3015 Alton Park Blvd	Chattanooga	TN	37410 37410-1012
4122 S Creek Rd	Chattanooga	TN	37406 37406-1021
4000 N Hawthorne St	Chattanooga	TN	37406 37406-1300
4001 N Hawthorne St	Chattanooga	TN	37406 37406-1314
3609 Amnicola Hwy	Chattanooga	TN	37406 37406-4705
1401 Mueller Ave	Chattanooga	TN	37406 37406-1397
2674 Harrison Pike	Chattanooga	TN	37406 37406-1424
1309 Appling St	Chattanooga	TN	37406 37406-3730
3204 Riverside Dr	Chattanooga	TN	37406 37406-4037
2805 Riverside Dr	Chattanooga	TN	37406 37406-3631
3013 Riverside Dr	Chattanooga	TN	37406 37406-4058
3003 N Hickory St	Chattanooga	TN	37406 37406-4026
3100 N Hawthorne St	Chattanooga	TN	37406 37406-4017
2610 Amnicola Hwy	Chattanooga	TN	37406 37406-3601
2709 Riverside Dr	Chattanooga	TN	37406 37406-3629
3111 Freeman Ave	Chattanooga	TN	37406 37406-3068
1050 Stuart St	Chattanooga	TN	37406 37406-1765
2805 Riverside Dr	Chattanooga	TN	37406 37406-3631

3200 N Hawthorne St	Chattanooga	TN	37406 37406-4019
3008 Roanoke Ave	Chattanooga	TN	37406 37406-1851
2001 Cushman St	Chattanooga	TN	37406 37406-1825
2008 Cushman St	Chattanooga	TN	37406 37406-1801
2818 Curtis St	Chattanooga	TN	37406 37406-1808
2114 Wilder St	Chattanooga	TN	37406 37406-1859
<b>3009 Noa St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37406 37406-1930</b>
2407 Bird St	Chattanooga	TN	37406 37406-2056
2508 Stuart St	Chattanooga	TN	37406 37406-1933
3118 Wheeler Ave	Chattanooga	TN	37406 37406-3947
3206 Campbell St	Chattanooga	TN	37406 37406-1913
2129 Delano Dr	Chattanooga	TN	37406 37406-2333
2509 N Orchard Knob Ave	Chattanooga	TN	37406 37406-5101
<b>1424 Latta St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37406 37406-</b>
2119 Riverside Dr	Chattanooga	TN	37406 37406-2343
2105 Riverside Dr	Chattanooga	TN	37406 37406-2343
826 Appling St	Chattanooga	TN	37406 37406-3708
<b>1704 Heaton St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37406 37406-</b>
2402 Amnicola Hwy	Chattanooga	TN	37406 37406-2311
2312 Belle Arbor Ave	Chattanooga	TN	37406 37406-2348
2420 Dodson Ave	Chattanooga	TN	37406 37406-2405
2300 Dodson Ave	Chattanooga	TN	37406 37406-2412
2001 N Chamberlain Ave	Chattanooga	TN	37406 37406-3808
2007 Pearl St	Chattanooga	TN	37406 37406-2938
2615 Arno St	Chattanooga	TN	37406 37406-2052
2001 Hardy St	Chattanooga	TN	37406 37406-4518
2508 Dodson Ave	Chattanooga	TN	37406 37406-2444
1904 Wheeler Ave	Chattanooga	TN	37406 37406-3850
1712 Wilcox Blvd	Chattanooga	TN	37406 37406-3061
1820 Wilcox Blvd	Chattanooga	TN	37406 37406-3063
1556 Riverside Dr	Chattanooga	TN	37406 37406-4313
1612 Camden St	Chattanooga	TN	37406 37406-2803
1788 Ocoee St	Chattanooga	TN	37406 37406-2817
1516 Riverside Dr	Chattanooga	TN	37406 37406-4313
1556 Riverside Dr	Chattanooga	TN	37406 37406-4313
1612 Camden St	Chattanooga	TN	37406 37406-2803
1556 Riverside Dr	Chattanooga	TN	37406 37406-4313
1501 Riverside Dr	Chattanooga	TN	37406 37406-4309
1058 Dodson Ave	Chattanooga	TN	37406 37406-3212
2001 Laura St	Chattanooga	TN	37406 37406-4208
1705 Taylor St	Chattanooga	TN	37406 37406-3542
1715 Wheeler Ave	Chattanooga	TN	37406 37406-2944
1420 Dodson Ave	Chattanooga	TN	37406 37406-3555
1207 N Chamberlain Ave	Chattanooga	TN	37406 37406-3249
1121 N Chamberlain Ave	Chattanooga	TN	37406 37406-3247
2011 Ocoee St	Chattanooga	TN	37406 37406-3023
200 Central Ave	Chattanooga	TN	37403 37403-1506

1116 E 5th St	Chattanooga	TN	37403 37403-2205
426 Cumberland St	Chattanooga	TN	37404 37404-1908
1330 E 3rd St	Chattanooga	TN	37404 37404-2432
1810 E 3rd St	Chattanooga	TN	37404 37404-2503
426 Cumberland St	Chattanooga	TN	37404 37404-1908
418 Cumberland St	Chattanooga	TN	37404 37404-1908
1817 E 3rd St	Chattanooga	TN	37404 37404-2504
309 Central Ave	Chattanooga	TN	37403 37403-2208
455 Cumberland St	Chattanooga	TN	37404 37404-1909
2020 E 3rd St	Chattanooga	TN	37404 37404-2609
605 Glenwood Dr	Chattanooga	TN	37404 37404-1108
1906 Sharp St	Chattanooga	TN	37404 37404-1438
2305 E 3rd St	Chattanooga	TN	37404 37404-2799
308 Rowden St	Chattanooga	TN	37404 37404-1718
809 N Chamberlain Ave	Chattanooga	TN	37406 37406-4115
2406 E 4th St	Chattanooga	TN	37404 37404-1601
2200 E 3rd St	Chattanooga	TN	37404 37404-2744
2200 E 3rd St	Chattanooga	TN	37404 37404-2744
2401 E 5th St	Chattanooga	TN	37404 37404-1605
638 Latimore St	Chattanooga	TN	37406 37406-3444
901 Wheeler Ave	Chattanooga	TN	37406 37406-4143
2201 E 3rd St	Chattanooga	TN	37404 37404-2717
212 N Crest Rd	Chattanooga	TN	37404 37404-1017
530 Central Ave	Chattanooga	TN	37403 37403-2213
1313 McCallie Ave	Chattanooga	TN	37404 37404-2934
161 N Hickory St	Chattanooga	TN	37404 37404-2507
241 N Highland Park Ave	Chattanooga	TN	37404 37404-2417
110 N Highland Park Ave	Chattanooga	TN	37404 37404-2403
1225 Flynn St	Chattanooga	TN	37403 37403-2811
200 N Holly St	Chattanooga	TN	37404 37404-2530
901 S Holtzclaw Ave	Chattanooga	TN	37404 37404-4110
<b>525 O Neal St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37403 37403-2220</b>
264 N Orchard Knob Ave	Chattanooga	TN	37404 37404-2660
1003 Peachtree St	Chattanooga	TN	37404 37404-4610
1012 Peachtree St	Chattanooga	TN	37404 37404-4609
2112 Oak St	Chattanooga	TN	37404 37404-2636
2100 Vance Ave	Chattanooga	TN	37404 37404-3625
1800 S Greenwood Ave	Chattanooga	TN	37404 37404-4921
2106 Huff Pl	Chattanooga	TN	37404 37404-6115
2201 E 23rd St	Chattanooga	TN	37407 37407-1108
2802 E 12th St	Chattanooga	TN	37404 37404-4733
1912 S Willow St	Chattanooga	TN	37404 37404-6229
2303 E 23rd St	Chattanooga	TN	37407 37407-1110
2616 E 16th St	Chattanooga	TN	37404 37404-5409
2624 E 18th St	Chattanooga	TN	37404 37404-5416
2616 E 18th St	Chattanooga	TN	37404 37404-5416
2609 E 17th St	Chattanooga	TN	37404 37404-5413



2602 E Main St	Chattanooga	TN	37404 37404-5441
2119 E 23rd St	Chattanooga	TN	37404 37404-5809
1707 S Kelley St	Chattanooga	TN	37404 37404-5127
1618 Dodds Ave	Chattanooga	TN	37404 37404-5428
1504 Foust St	Chattanooga	TN	37404 37404-5733
1610 Foust St	Chattanooga	TN	37404 37404-5735
2501 S Hickory St	Chattanooga	TN	37407 37407-1072
1522 E 27th St	Chattanooga	TN	37404 37404-5719
1814 E 26th St	Chattanooga	TN	37407 37407-1025
1800 E 26th St	Chattanooga	TN	37407 37407-1025
<b>US 27</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37407 37407-</b>
2801 Rossville Blvd	Chattanooga	TN	37407 37407-1346
2901 Rossville Blvd	Chattanooga	TN	37407 37407-1332
2811 Calhoun Ave	Chattanooga	TN	37407 37407-1338
2904 S Hickory St	Chattanooga	TN	37407 37407-1410
2810 S Hawthorne St	Chattanooga	TN	37404 37404-5737
2825 Rossville Blvd	Chattanooga	TN	37407 37407-1330
2905 Rossville Blvd	Chattanooga	TN	37407 37407-1332
2603 4th Ave	Chattanooga	TN	37407 37407-3601
1916 E 26th St	Chattanooga	TN	37407 37407-1027
1908 E 26th St	Chattanooga	TN	37407 37407-1027
2104 Foust St	Chattanooga	TN	37407 37407-1061
3006 14th Ave	Chattanooga	TN	37407 37407-1613
1904 E 27th St	Chattanooga	TN	37407 37407-1037
1998 E 23rd St	Chattanooga	TN	37404 37404-5804
1998 E 23rd St	Chattanooga	TN	37404 37404-5804
2298 E 23rd St	Chattanooga	TN	37407 37407-1107
2117 Elder St	Chattanooga	TN	37404 37404-5985
1900 E 27th St	Chattanooga	TN	37407 37407-1037
2709 S Orchard Knob Ave	Chattanooga	TN	37407 37407-1008
2503 S Orchard Knob Ave	Chattanooga	TN	37404 37404-5817
3003 2nd Ave	Chattanooga	TN	37407 37407-1421
2407 4th Ave	Chattanooga	TN	37407 37407-1133
7064 Rubin Trl	Ooltewah	TN	37363 37363-7839
6930 Lebron Sterchi Dr	Ooltewah	TN	37363 37363-6676
5226 Tracie Ln	Ooltewah	TN	37363 37363-6838
5827 Main St	Ooltewah	TN	37363 37363-8714
9515 Lee Hwy	Ooltewah	TN	37363 37363-6550
8014 Bork Memorial Dr	Ooltewah	TN	37363 37363-7056
8205 Rolling Stone Ln	Ooltewah	TN	37363 37363-8417
7952 Bork Memorial Dr	Ooltewah	TN	37363 37363-9035
5201 Ooltewah Ringgold Rd	Ooltewah	TN	37363 37363-9845
4300 Prospect Church Rd	Ooltewah	TN	37363 37363-8532
5141 Silver Ln	Apison	TN	37302 37302-9594
<b>10260 McKee Dr</b>	<b>Ooltewah</b>	<b>TN</b>	<b>37363 37363-</b>
<b>10348 Apison Pike</b>	<b>Ooltewah</b>	<b>TN</b>	<b>37363 37363-</b>
3910 University Dr	Ooltewah	TN	37363 37363-8508

5624 Landrum Dr	Ooltewah	TN	37363 37363-8893
301 Maple Grove Ln	Apison	TN	37302 37302-2236
10503 London Ln	Apison	TN	37302 37302-7537
2917 Crescent Cir	Chattanooga	TN	37407 37407-1323
2903 Clifton Ter	Chattanooga	TN	37407 37407-1356
3601 Calhoun Ave	Chattanooga	TN	37407 37407-2451
3010 Crescent Cir	Chattanooga	TN	37407 37407-1324
3206 Crescent Cir	Chattanooga	TN	37407 37407-1920
770 Salem Rd	Rossville	GA	30741 30741-2119
771 Salem Rd	Rossville	GA	30741 30741-2136
700 Roberta Dr	Rossville	GA	30741 30741-2187
1404 Ann St	Rossville	GA	30741 30741-2229
1439 Wilson Rd	Rossville	GA	30741 30741-2198
1415 Woody Ln	Rossville	GA	30741 30741-2165
701 W James St	Rossville	GA	30741 30741-2197
703 Roberta Dr	Rossville	GA	30741 30741-2132
1332 Wilson Rd	Rossville	GA	30741 30741-1738
3200 Rossville Blvd	Chattanooga	TN	37407 37407-1922
1017 E 38th St	Chattanooga	TN	37407 37407-2437
1314 E 36th St	Chattanooga	TN	37407 37407-2419
2903 Crescent Cir	Chattanooga	TN	37407 37407-1323
1010 Glentana St	Rossville	GA	30741 30741-1115
1000 Glentana St	Rossville	GA	30741 30741-1115
1205 Wilson Rd	Rossville	GA	30741 30741-1735
713 Walker Ave	Rossville	GA	30741 30741-1733
713 Walker Ave	Rossville	GA	30741 30741-1733
1008 Wilson Rd	Rossville	GA	30741 30741-1138
701 Walker Ave	Rossville	GA	30741 30741-1733
1208 E 32nd St	Chattanooga	TN	37407 37407-1905
3029 Rossville Blvd	Chattanooga	TN	37407 37407-1334
3007 Rossville Blvd	Chattanooga	TN	37407 37407-1334
2917 Calhoun Ave	Chattanooga	TN	37407 37407-1366
1333 E 30th St	Chattanooga	TN	37407 37407-1305
3103 Calhoun Ave	Chattanooga	TN	37407 37407-1315
2907 Crescent Cir	Chattanooga	TN	37407 37407-1323
2903 Crescent Cir	Chattanooga	TN	37407 37407-1323
2903 Crescent Cir	Chattanooga	TN	37407 37407-1323
3735 Fagan St	Chattanooga	TN	37410 37410-1418
3400 Rossville Blvd	Chattanooga	TN	37407 37407-1926
3317 Clio Ave	Chattanooga	TN	37407 37407-1747
3733 Seminary St	Chattanooga	TN	37410 37410-1432
1806 E 35th St	Chattanooga	TN	37407 37407-2017
3600 2nd Ave	Chattanooga	TN	37407 37407-2007
3514 2nd Ave	Chattanooga	TN	37407 37407-2005
1948 E 31 Street Pl	Chattanooga	TN	37407 37407-1711
2011 E 32nd St	Chattanooga	TN	37407 37407-1725
3201 4th Ave	Chattanooga	TN	37407 37407-1520

3204 4th Ave	Chattanooga	TN	37407 37407-1519
3216 4th Ave	Chattanooga	TN	37407 37407-1519
3308 4th Ave	Chattanooga	TN	37407 37407-1521
3511 Clio Ave	Chattanooga	TN	37407 37407-2038
3810 Calhoun Ave	Chattanooga	TN	37407 37407-2531
3711 Calhoun Ave	Chattanooga	TN	37407 37407-2453
3409 1st Ave	Chattanooga	TN	37407 37407-2002
3709 4th Ave	Chattanooga	TN	37407 37407-2135
3411 4th Ave	Chattanooga	TN	37407 37407-2129
3229 5th Ave	Chattanooga	TN	37407 37407-1532
3108 4th Ave	Chattanooga	TN	37407 37407-1517
3109 5th Ave	Chattanooga	TN	37407 37407-1530
3201 6th Ave	Chattanooga	TN	37407 37407-1536
3508 5th Ave	Chattanooga	TN	37407 37407-2103
3910 10th Ave	Chattanooga	TN	37407 37407-2717
3606 5th Ave	Chattanooga	TN	37407 37407-2105
3912 5th Ave	Chattanooga	TN	37407 37407-2628
3601 6th Ave	Chattanooga	TN	37407 37407-2112
3515 6th Ave	Chattanooga	TN	37407 37407-2110
2600 E 32nd St	Chattanooga	TN	37407 37407-1510
3400 7th Ave	Chattanooga	TN	37407 37407-2115
3404 7th Ave	Chattanooga	TN	37407 37407-2115
3713 7th Ave	Chattanooga	TN	37407 37407-2121
3115 Dodds Ave	Chattanooga	TN	37407 37407-1832
4005 Dodds Ave	Chattanooga	TN	37407 37407-2713
3505 12th Ave	Chattanooga	TN	37407 37407-2204
3119 13th Ave	Chattanooga	TN	37407 37407-1808
3115 13th Ave	Chattanooga	TN	37407 37407-1808
3611 13th Ave	Chattanooga	TN	37407 37407-2302
4109 Dorris St	Chattanooga	TN	37410 37410-1768
1212 E 37th St	Chattanooga	TN	37407 37407-2427
1111 Workman Rd	Chattanooga	TN	37410 37410-2130
1224 E 39th St	Chattanooga	TN	37407 37407-2504
4101 Dorris St	Chattanooga	TN	37410 37410-1741
1018 E 38th St	Chattanooga	TN	37407 37407-2436
514 Workman Rd	Chattanooga	TN	37410 37410-2184
4207 10th Ave	Chattanooga	TN	37407 37407-3018
1605 E 40th St	Chattanooga	TN	37407 37407-2525
4415 Rossville Blvd	Chattanooga	TN	37407 37407-2917
4410 Rossville Blvd	Chattanooga	TN	37407 37407-2916
4307 6th Ave	Chattanooga	TN	37407 37407-2610
4600 English Ave	Chattanooga	TN	37407 37407-3227
2701 E 46th St	Chattanooga	TN	37407 37407-3322
4021 6th Ave	Chattanooga	TN	37407 37407-2604
2450 E 40th St	Chattanooga	TN	37407 37407-2607
2610 E 41st St	Chattanooga	TN	37407 37407-2743
4300 7th Ave	Chattanooga	TN	37407 37407-2614

4117 10th Ave	Chattanooga	TN	37407 37407-2720
4309 10th Ave	Chattanooga	TN	37407 37407-3020
4313 10th Ave	Chattanooga	TN	37407 37407-3020
2705 E 44th St	Chattanooga	TN	37407 37407-3042
2700 E 44th St	Chattanooga	TN	37407 37407-3022
4193 10th Ave	Chattanooga	TN	37407 37407-2720
4206 12th Ave	Chattanooga	TN	37407 37407-3001
4400 13th Ave	Chattanooga	TN	37407 37407-3105
2813 E 44th St	Chattanooga	TN	37407 37407-3009
2700 E 45th St	Chattanooga	TN	37407 37407-3026
1402 E 47th St	Chattanooga	TN	37407 37407-3210
1408 E 48th St	Chattanooga	TN	37407 37407-3217
1500 E 48th St	Chattanooga	TN	37407 37407-3219
1418 E 48th St	Chattanooga	TN	37407 37407-3217
1506 E 48th St	Chattanooga	TN	37407 37407-3219
1618 E 48th St	Chattanooga	TN	37407 37407-3221
1600 E 49th St	Chattanooga	TN	37407 37407-3505
1516 E 49th St	Chattanooga	TN	37407 37407-3503
2811 E 49th St	Chattanooga	TN	37407 37407-3335
4801 English Ave	Chattanooga	TN	37407 37407-3525
5001 English Ave	Chattanooga	TN	37407 37407-3500
2801 E 48th St	Chattanooga	TN	37407 37407-3399
4707 12th Ave	Chattanooga	TN	37407 37407-3302
4705 Dodds Ave	Chattanooga	TN	37407 37407-3331
<b>2700 E 47th St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37407 37407-</b>
4911 14th Ave	Chattanooga	TN	37407 37407-3417
1703 E 48th St	Chattanooga	TN	37407 37407-3224
2504 E 43rd St	Chattanooga	TN	37407 37407-2618
4803 13th Ave	Chattanooga	TN	37407 37407-3407
3214 E 46th St	Chattanooga	TN	37407 37407-3137
5238 Dorsey St	Chattanooga	TN	37410 37410-2025
5220 Wilson Rd	Chattanooga	TN	37410 37410-2149
5245 Lomnick Dr	Chattanooga	TN	37410 37410-2065
1122 Hooker Rd	Chattanooga	TN	37407 37407-3247
1401 E 49th St	Chattanooga	TN	37407 37407-3502
1273 Hooker Rd	Chattanooga	TN	37407 37407-3250
1400 E 48th St	Chattanooga	TN	37407 37407-3217
412 State Line Rd	Rossville	GA	30741 30741-1250
1320 E 49th St	Chattanooga	TN	37407 37407-3522
1122 Hooker Rd	Chattanooga	TN	37407 37407-3247
1194 Hooker Rd	Chattanooga	TN	37407 37407-3247
1236 Hooker Rd	Chattanooga	TN	37407 37407-3249
515 W Gordon Ave	Rossville	GA	30741 30741-1228
510 W Gordon Ave	Rossville	GA	30741 30741-1264
302 W Gordon Ave	Rossville	GA	30741 30741-1281
711 Carden Ave	Rossville	GA	30741 30741-1826
102 E Gordon Ave	Rossville	GA	30741 30741-1318

301 McFarland Ave	Rossville	GA	30741 30741-1205
109 Donnelly St	Rossville	GA	30741 30741-1283
418 W Lake Ave	Rossville	GA	30741 30741-1239
105 Donnelly St	Rossville	GA	30741 30741-1283
103 W Lake Ave	Rossville	GA	30741 30741-1232
310 Missionary Ave	Rossville	GA	30741 30741-1623
404 Missionary Ave	Rossville	GA	30741 30741-1621
305 Dempsey Ln	Rossville	GA	30741 30741-1633
100 McFarland Ave	Rossville	GA	30741 30741-1332
403 Chickamauga Ave	Rossville	GA	30741 30741-1354
100 Bailey Ave	Rossville	GA	30741 30741-1607
115 Beech St	Rossville	GA	30741 30741-1608
215 Bryan St	Rossville	GA	30741 30741-1613
305 Davis St	Rossville	GA	30741 30741-1271
801 McFarland Ave	Rossville	GA	30741 30741-1906
804 McFarland Ave	Rossville	GA	30741 30741-1907
101 Peachtree St	Rossville	GA	30741 30741-1952
200 Cherry St	Rossville	GA	30741 30741-1865
705 Crawford Ave	Rossville	GA	30741 30741-1876
812 Indian Ave	Rossville	GA	30741 30741-1750
1101 McFarland Ave	Rossville	GA	30741 30741-2310
214 Wilson St	Rossville	GA	30741 30741-1631
429 W Gordon Ave	Rossville	GA	30741 30741-1226
408 Center Dr	Rossville	GA	30741 30741-1268
201 W Gordon Ave	Rossville	GA	30741 30741-1263
<b>US 27</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-</b>
115 Chickamauga Ave	Rossville	GA	30741 30741-1351
301 Chickamauga Ave	Rossville	GA	30741 30741-9998
103 W Lake Ave	Rossville	GA	30741 30741-1232
201 W Gordon Ave	Rossville	GA	30741 30741-1263
214 Beech St	Rossville	GA	30741 30741-1611
418 W Lake Ave	Rossville	GA	30741 30741-1239
209 W Gordon St	Rossville	GA	30741 30741-1260
321 McFarland Ave	Rossville	GA	30741 30741-1205
107 W Oak St	Rossville	GA	30741 30741-1844
201 E Oak St	Rossville	GA	30741 30741-1951
307 W Lake Ave	Rossville	GA	30741 30741-1236
511 Flegal Ave	Rossville	GA	30741 30741-1218
609 Flegal Ave	Rossville	GA	30741 30741-1220
615 Flegal Ave	Rossville	GA	30741 30741-1220
100 Cherry St	Rossville	GA	30741 30741-1864
415 Andrews St	Rossville	GA	30741 30741-1635
421 W Gordon Ave	Rossville	GA	30741 30741-1226
405 W Lake Ave	Rossville	GA	30741 30741-1238
801 Lee Ave	Rossville	GA	30741 30741-1833
5009 15th Ave	Chattanooga	TN	37407 37407-3427
215 Ammons St	Rossville	GA	30741 30741-1251

105 Maple St	Rossville	GA	30741 30741-1287
504 McFarland Ave	Rossville	GA	30741 30741-1255
519 W Gordon Ave	Rossville	GA	30741 30741-1228
351 McFarland Ave	Rossville	GA	30741 30741-1205
110 W Lake Ave	Rossville	GA	30741 30741-1233
101 Spruce St	Rossville	GA	30741 30741-1821
701 Crawford Ave	Rossville	GA	30741 30741-1876
418 W Lake Ave	Rossville	GA	30741 30741-1239
201 W Peachtree St	Rossville	GA	30741 30741-1852
119 Howard St	Rossville	GA	30741 30741-1313
351 McFarland Ave	Rossville	GA	30741 30741-1205
124 Rowland Ave	Rossville	GA	30741 30741-1243
908 Brown Ave	Rossville	GA	30741 30741-1882
418 W Lake Ave	Rossville	GA	30741 30741-1239
1101 McFarland Ave	Rossville	GA	30741 30741-2310
1105 McFarland Ave	Rossville	GA	30741 30741-2310
1325 McFarland Ave	Rossville	GA	30741 30741-2313
1402 McFarland Ave	Rossville	GA	30741 30741-2216
1422 McFarland Ave	Rossville	GA	30741 30741-2216
1203 Logan Ave	Rossville	GA	30741 30741-1819
<b>207 Henderson Ave</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-</b>
1208 Henderson Ave	Rossville	GA	30741 30741-1814
231 E Peachtree St	Rossville	GA	30741 30741-1916
104 Mountain View Dr	Rossville	GA	30741 30741-1913
604 Washington St	Rossville	GA	30741 30741-1730
1412 Bethune St	Rossville	GA	30741 30741-2231
203 Ross St	Rossville	GA	30741 30741-2348
<b>409 A Ross St</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-2352</b>
212 E Wotring St	Rossville	GA	30741 30741-2327
3 W Wotring St	Rossville	GA	30741 30741-2226
201 Catlett St	Rossville	GA	30741 30741-2334
1408 Bethune St	Rossville	GA	30741 30741-2231
303 E Oak St	Rossville	GA	30741 30741-1955
26 Ellis Rd	Rossville	GA	30741 30741-2220
307 S Mission Ridge Dr	Rossville	GA	30741 30741-2405
109 Ellis Rd	Rossville	GA	30741 30741-2203
113 E Peachtree St	Rossville	GA	30741 30741-1914
<b>720 Clayton Ave</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-</b>
35 Meadowview Dr	Rossville	GA	30741 30741-6305
210 Cleveland Rd	Rossville	GA	30741 30741-2640
1838 McFarland Ave	Rossville	GA	30741 30741-2268
4601 Tarpon Trl	Chattanooga	TN	37416 37416-2114
4128 Harbor Hills Rd	Chattanooga	TN	37416 37416-1715
4703 Fairwood Ln	Chattanooga	TN	37416 37416-3130
4525 Hancock Rd	Chattanooga	TN	37416 37416-3242
4345 Highway 58	Chattanooga	TN	37416 37416-2928
4335 Bonny Oaks Dr	Chattanooga	TN	37416 37416-3339

4520 Lockington Ln	Chattanooga	TN	37416 37416-3106
1 Pelican Dr	Chattanooga	TN	37416 37416-3633
3794 Tag Dr	Chattanooga	TN	37416 37416-3870
2151 Chapman Rd	Chattanooga	TN	37421 37421-1600
6035 International Dr	Chattanooga	TN	37421 37421-1617
4243 Cromwell Rd	Chattanooga	TN	37421 37421-2121
2421 Leann Cir	Chattanooga	TN	37406 37406-2214
2205 Polymer Dr	Chattanooga	TN	37421 37421-2210
3444 Plumwood Rd	Chattanooga	TN	37411 37411-1057
3208 Hoyt St	Chattanooga	TN	37411 37411-1378
1205 Gillespie Rd	Chattanooga	TN	37411 37411-1518
1119 Richard Ave	Chattanooga	TN	37404 37404-6345
1203 Sanford Ave	Chattanooga	TN	37411 37411-2306
3883 Wilcox Blvd	Chattanooga	TN	37411 37411-1115
4600 Shawhan Rd	Chattanooga	TN	37411 37411-1227
62 N Crest Rd	Chattanooga	TN	37404 37404-1828
308 Rowe Rd	Chattanooga	TN	37411 37411-2643
403 Lynncrest Dr	Chattanooga	TN	37411 37411-1818
613 Shallowford Rd	Chattanooga	TN	37411 37411-1499
300 Shepherd Ave	Chattanooga	TN	37411 37411-6900
300 Buena Vista Dr	Chattanooga	TN	37404 37404-1851
400 N Seminole Dr	Chattanooga	TN	37411 37411-2651
806 Line St	Chattanooga	TN	37404 37404-6323
3606 Montview Dr	Chattanooga	TN	37411 37411-3115
406 Talley Rd	Chattanooga	TN	37411 37411-3249
500 Shannon Ave	Chattanooga	TN	37411 37411-2815
624 N Germantown Rd	Chattanooga	TN	37411 37411-1901
5013 N Moore Ln	Chattanooga	TN	37411 37411-2554
5861 Brainerd Rd	Chattanooga	TN	37411 37411-5513
3202 Rosemont Dr	Chattanooga	TN	37411 37411-4218
221 S Seminole Dr	Chattanooga	TN	37411 37411-4126
3209 Rosemont Dr	Chattanooga	TN	37411 37411-4219
3410 Brainerd Rd	Chattanooga	TN	37411 37411-3505
3616 Monte Vista Dr	Chattanooga	TN	37411 37411-4318
3602 Brainerd Rd	Chattanooga	TN	37411 37411-3631
3700 Brainerd Rd	Chattanooga	TN	37411 37411-3603
3826 Brainerd Rd	Chattanooga	TN	37411 37411-3729
3948 Brainerd Rd	Chattanooga	TN	37411 37411-3702
4026 Brainerd Rd	Chattanooga	TN	37411 37411-3704
4203 Brainerd Rd	Chattanooga	TN	37411 37411-5423
3598 Brainerd Rd	Chattanooga	TN	37411 37411-2707
21 N Germantown Rd	Chattanooga	TN	37411 37411-2754
201 Brookfield Ave	Chattanooga	TN	37411 37411-4606
3604 Brainerd Rd	Chattanooga	TN	37411 37411-3601
5032 Brainerd Rd	Chattanooga	TN	37411 37411-3903
20 Hunt Ave	Chattanooga	TN	37411 37411-4905
200 N Lovell Ave	Chattanooga	TN	37411 37411-3422

5001 Club Dr	Chattanooga	TN	37411 37411-3928
4608 Montview Dr	Chattanooga	TN	37411 37411-3309
<b>5461 N Ter</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37411 37411-4904</b>
101 Asbury Dr	Chattanooga	TN	37411 37411-4704
9 Brockhaven Rd	Chattanooga	TN	37404 37404-4004
1 Brockhaven Rd	Chattanooga	TN	37404 37404-4004
815 Darryl Ln	Chattanooga	TN	37412 37412-1710
420 Broughton St	Chattanooga	TN	37411 37411-5008
3498 Idlewild Cir	Chattanooga	TN	37411 37411-4154
601 Donaldson Rd	Chattanooga	TN	37412 37412-1379
3701 Fountain Ave	Chattanooga	TN	37412 37412-2062
731 Belvoir Ave	Chattanooga	TN	37412 37412-2878
<b>4115 N Ter</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37411 37411-5248</b>
4113 Mayfair Ave	Chattanooga	TN	37411 37411-5227
413 S Sweetbriar Ave	Chattanooga	TN	37411 37411-5241
302 Belvoir Ave	Chattanooga	TN	37411 37411-5103
4308 Fountain Ave	Chattanooga	TN	37412 37412-2916
4406 Louise Ave	Chattanooga	TN	37412 37412-2934
4404 Lanoir Cir	Chattanooga	TN	37412 37412-2930
413 Thornton Ave	Chattanooga	TN	37411 37411-5253
800 Belvoir Ave	Chattanooga	TN	37412 37412-2599
4321 Worsham Ave	Chattanooga	TN	37412 37412-2983
4409 Louise Ave	Chattanooga	TN	37412 37412-2933
406 Haney Dr	Chattanooga	TN	37411 37411-4725
903 Altamaha St	Chattanooga	TN	37412 37412-3203
5200 Mayfair Ave	Chattanooga	TN	37411 37411-4856
785 Mayflower Rd	Sale Creek	TN	37373 37373-9728
509 Lower Cove Loop	Dayton	TN	37321 37321-7337
10331 Arnat Dr	Soddy Daisy	TN	37379 37379-7002
10409 Arnat Dr	Soddy Daisy	TN	37379 37379-7004
10413 Arnat Dr	Soddy Daisy	TN	37379 37379-7004
10322 Arnat Dr	Soddy Daisy	TN	37379 37379-7001
10590 Lovell Rd	Soddy Daisy	TN	37379 37379-5349
10328 Arnat Dr	Soddy Daisy	TN	37379 37379-7001
10280 Dayton Pike	Soddy Daisy	TN	37379 37379-5410
10116 Card Rd	Soddy Daisy	TN	37379 37379-5115
245 Cox Ln	Soddy Daisy	TN	37379 37379-5456
11214 Canyon Cir	Soddy Daisy	TN	37379 37379-3790
1792 Casey Holw	Soddy Daisy	TN	37379 37379-3792
<b>10848 Dayton Pike</b>	<b>Soddy-Daisy</b>	<b>TN</b>	<b>37379 37379-</b>
2426 Welch Rd	Soddy Daisy	TN	37379 37379-7131
11109 Dallas Hollow Rd	Soddy Daisy	TN	37379 37379-5330
<b>11970 Posey Hollow Rd</b>	<b>Soddy-Daisy</b>	<b>TN</b>	<b>37379 37379-</b>
<b>11970 Posey Hollow Rd</b>	<b>Soddy-Daisy</b>	<b>TN</b>	<b>37379 37379-</b>
11817 Clift Mill Rd	Soddy Daisy	TN	37379 37379-6102
1837 Rivergate Ter	Soddy Daisy	TN	37379 37379-5948
11958 Back Valley Rd	Soddy Daisy	TN	37379 37379-7423



12237 Country Mill Ln	Soddy Daisy	TN	37379 37379-5932
12233 Country Mill Ln	Soddy Daisy	TN	37379 37379-5932
12807 Jones Gap Rd	Soddy Daisy	TN	37379 37379-8505
13751 Lillard Rd	Soddy Daisy	TN	37379 37379-7825
13747 Bretton Dr	Soddy Daisy	TN	37379 37379-7858
13415 Cindy Dr	Soddy Daisy	TN	37379 37379-7902
2181 Hobo Blf	Soddy Daisy	TN	37379 37379-1701
818 Hottentot Rd	Sale Creek	TN	37373 37373-8700
1408 Lea View Ln	Sale Creek	TN	37373 37373-9796
<b>127 U S</b>	<b>Signal Mountain</b>	<b>TN</b>	<b>37377 37377-</b>
3616 Ringgold Rd	Chattanooga	TN	37412 37412-1248
3506 Ringgold Rd	Chattanooga	TN	37412 37412-1208
<b>1103 Greens Lake Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37412 37412-2317</b>
1032 John Ross Rd	Chattanooga	TN	37412 37412-1647
3623 Weldon Dr	Chattanooga	TN	37412 37412-1817
4008 Belvoir Pines Dr	Chattanooga	TN	37412 37412-2020
4134 Ringgold Rd	Chattanooga	TN	37412 37412-2436
906 Belvoir Hills Dr	Chattanooga	TN	37412 37412-2018
1040 John Ross Rd	Chattanooga	TN	37412 37412-1647
4024 Dellway Cir	Chattanooga	TN	37412 37412-2022
4100 Ringgold Rd	Chattanooga	TN	37412 37412-2420
4145 Ringgold Rd	Chattanooga	TN	37412 37412-2441
5310 Ringgold Rd	Chattanooga	TN	37412 37412-3188
5300 Ringgold Rd	Chattanooga	TN	37412 37412-3156
4222 Ringgold Rd	Chattanooga	TN	37412 37412-2422
5352 Spriggs St	Chattanooga	TN	37412 37412-3048
4326 Esterbrook Dr	Chattanooga	TN	37412 37412-2706
5300 Ringgold Rd	Chattanooga	TN	37412 37412-3156
4312 Ringgold Rd	Chattanooga	TN	37412 37412-2714
4401 Ringgold Rd	Chattanooga	TN	37412 37412-2713
4350 Ringgold Rd	Chattanooga	TN	37412 37412-2757
1515 McBrien Rd	Chattanooga	TN	37412 37412-3251
1524 Rebecca Dr	Chattanooga	TN	37412 37412-3124
5326 Ringgold Rd	Chattanooga	TN	37412 37412-3139
6500 Burr St	Chattanooga	TN	37412 37412-4202
1641 Waterhouse St	Chattanooga	TN	37412 37412-3531
1222 S Seminole Dr	Chattanooga	TN	37412 37412-1171
1618 Rugby Pl	Chattanooga	TN	37412 37412-1134
3405 Gail Dr	Chattanooga	TN	37412 37412-1219
2 Edwards Ter	Chattanooga	TN	37412 37412-1908
1318 Orlando Ave	Chattanooga	TN	37412 37412-2232
1363 Ridgefield Cir	Chattanooga	TN	37412 37412-2242
3913 S Mission Oaks Dr	Chattanooga	TN	37412 37412-1921
1412 Mana Ln	Chattanooga	TN	37412 37412-2259
3650 Missionaire Ave	Chattanooga	TN	37412 37412-1452
100 Dorroh Ln	Chattanooga	TN	37412 37412-2239
126 Margareta Ln	Chattanooga	TN	37412 37412-2230

1327 Orlando Ave	Chattanooga	TN	37412 37412-2231
4318 Greenbriar Rd	Chattanooga	TN	37412 37412-2734
4412 Bennett Rd	Chattanooga	TN	37412 37412-2208
4320 Bennett Rd	Chattanooga	TN	37412 37412-2299
4905 17th Ave	Chattanooga	TN	37407 37407-3433
806 S Crest Rd	Chattanooga	TN	37404 37404-5923
520 Chickamauga Ave	Rossville	GA	30741 30741-1310
604 Orchard Ter	Rossville	GA	30741 30741-1532
916 Lafayette Rd	Rossville	GA	30741 30741-2071
213 Catoosa St	Rossville	GA	30741 30741-2003
907 Carline Rd	Rossville	GA	30741 30741-2019
814 Chickamauga Ave	Rossville	GA	30741 30741-7400
805 Chickamauga Ave	Rossville	GA	30741 30741-7404
311 Tennessee Ave	Rossville	GA	30741 30741-2064
811 Caldonia St	Rossville	GA	30741 30741-1546
715 Orchard Ter	Rossville	GA	30741 30741-1533
1312 S Crest Rd	Rossville	GA	30741 30741-1670
817 Asterwood St	Rossville	GA	30741 30741-1503
207 Washington Rd	Rossville	GA	30741 30741-1539
1119 S Crest Rd	Rossville	GA	30741 30741-1507
814 Chickamauga Ave	Rossville	GA	30741 30741-7400
121 Summitt St	Rossville	GA	30741 30741-1448
312 E Lake Ave	Rossville	GA	30741 30741-1331
916 Lafayette Rd	Rossville	GA	30741 30741-2071
204 Grove St	Rossville	GA	30741 30741-5702
419 Hickory St	Rossville	GA	30741 30741-2973
309 E Circle Dr	Rossville	GA	30741 30741-5609
34 Ranger Ln	Rossville	GA	30741 30741-3083
1368 Lakeview Dr	Rossville	GA	30741 30741-3174
276 S Lake Ter	Rossville	GA	30741 30741-3060
<b>429 Greenslake Rd</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-3196</b>
27 N Lake Ter	Rossville	GA	30741 30741-8153
22 Cross St	Rossville	GA	30741 30741-3088
1366 Lakeview Dr	Rossville	GA	30741 30741-3174
<b>200 Greenslake Cir</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-8126</b>
82 Nason St	Rossville	GA	30741 30741-5620
108 N Lake Ter	Rossville	GA	30741 30741-8154
114 Park St	Rossville	GA	30741 30741-5523
<b>217 Greenslake Rd</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-3194</b>
38 Wolf St	Rossville	GA	30741 30741-8160
110 Nituna Ave	Rossville	GA	30741 30741-8136
39 Ranger Ln	Rossville	GA	30741 30741-3083
56 Blanche St	Rossville	GA	30741 30741-5639
325 Page Rd	Rossville	GA	30741 30741-3285
1730 Lakeview Dr	Rossville	GA	30741 30741-3109
104 Haynes St	Rossville	GA	30741 30741-2426
1204 Lafayette Rd	Rossville	GA	30741 30741-2012

301 Fleetwood Dr	Rossville	GA	30741 30741-2521
302 Signal Dr	Rossville	GA	30741 30741-2539
225 Longview Dr	Rossville	GA	30741 30741-2580
220 Alpine Dr	Rossville	GA	30741 30741-2535
211 Alpine Dr	Rossville	GA	30741 30741-2503
327 Hogan Rd	Rossville	GA	30741 30741-2458
400 Hogan Rd	Rossville	GA	30741 30741-2436
435 Longview Dr	Rossville	GA	30741 30741-2601
418 Longview Dr	Rossville	GA	30741 30741-2620
200 Longview Dr	Rossville	GA	30741 30741-2529
316 Longview Dr	Rossville	GA	30741 30741-2618
426 Hogan Rd	Rossville	GA	30741 30741-2436
507 Montclair Dr	Rossville	GA	30741 30741-2623
101 White Oak St	Rossville	GA	30741 30741-2555
509 Montclair Dr	Rossville	GA	30741 30741-2623
1119 Lafayette Rd	Rossville	GA	30741 30741-2014
1111 Lafayette Rd	Rossville	GA	30741 30741-2009
109 Baker Ave	Rossville	GA	30741 30741-2650
222 Longview Dr	Rossville	GA	30741 30741-2529
321 Hogan Rd	Rossville	GA	30741 30741-2458
310 Chambers St	Rossville	GA	30741 30741-1432
200 Chambers St	Rossville	GA	30741 30741-1430
316 Signal Dr	Rossville	GA	30741 30741-2539
227 Chestnut St	Rossville	GA	30741 30741-6608
92 N Elmwood St	Rossville	GA	30741 30741-6611
19 Warren St	Rossville	GA	30741 30741-5500
<b>478 480 Hudson St</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-5684</b>
123 Lawrence Dr	Rossville	GA	30741 30741-5502
16 McAfee Rd	Rossville	GA	30741 30741-2902
304 Ivy St	Rossville	GA	30741 30741-2034
105 Anderson Rd	Rossville	GA	30741 30741-2629
21 Pat Dr	Rossville	GA	30741 30741-3911
109 Schmitt Ln	Rossville	GA	30741 30741-2663
110 Cleveland Rd	Rossville	GA	30741 30741-2638
101 Cleveland Rd	Rossville	GA	30741 30741-2637
144 Block Rd	Rossville	GA	30741 30741-3620
6312 Bonny Oaks Dr	Chattanooga	TN	37416 37416-3559
7728 Colemere Dr	Chattanooga	TN	37416 37416-2705
6210 Melton Dr	Chattanooga	TN	37416 37416-3203
3241 Hickory Valley Rd	Chattanooga	TN	37416 37416-1527
<b>4016 Hickory Valley Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37416 37416-</b>
7435 Old Cleveland Pike	Chattanooga	TN	37421 37421-1085
7505 Lee Hwy	Chattanooga	TN	37421 37421-1025
7300 Lee Hwy	Chattanooga	TN	37421 37421-1478
7208 Tyner Rd	Chattanooga	TN	37421 37421-1056
7300 Midfield Dr	Chattanooga	TN	37421 37421-1436
7363 Lee Hwy	Chattanooga	TN	37421 37421-1404

2314 Meadowbrook Trl	Chattanooga	TN	37421 37421-1643
2312 Marco Cir	Chattanooga	TN	37421 37421-1641
6801 Shallowford Rd	Chattanooga	TN	37421 37421-1755
2315 Brookhaven Cir	Chattanooga	TN	37421 37421-1738
6676 Willow Trace Dr	Chattanooga	TN	37421 37421-6701
7158 Lee Hwy	Chattanooga	TN	37421 37421-1732
7158 Lee Hwy	Chattanooga	TN	37421 37421-1732
6102 Emory Dr	Chattanooga	TN	37421 37421-2310
6800 Longview Rd	Chattanooga	TN	37421 37421-2505
6914 Park Dr	Chattanooga	TN	37421 37421-2507
7008 Pauline Cir	Chattanooga	TN	37421 37421-5740
7417 Igou Gap Rd	Chattanooga	TN	37421 37421-3134
1301 Hickory Valley Rd	Chattanooga	TN	37421 37421-5604
7630 E Brainerd Rd	Chattanooga	TN	37421 37421-3167
1506 Independence Ln	Chattanooga	TN	37421 37421-5221
1515 Gunbarrel Rd	Chattanooga	TN	37421 37421-4091
406 Frazier Dr	Chattanooga	TN	37421 37421-3917
303 Guild Dr	Chattanooga	TN	37421 37421-3920
523 Brown Rd	Chattanooga	TN	37421 37421-3916
5 Frawley Rd	Chattanooga	TN	37412 37412-4013
<b>I-75</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37421 37421-</b>
<b>598 Iron Wood Trl</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37421 37421-7313</b>
1010 N Sanctuary Rd	Chattanooga	TN	37421 37421-4058
1005 Audubon Trl	Chattanooga	TN	37421 37421-4100
1460 Mack Smith Rd	Chattanooga	TN	37412 37412-3948
1414 Morris Hill Rd	Chattanooga	TN	37421 37421-3334
7936 Long Dr	Chattanooga	TN	37421 37421-2725
1119 Greens Rd	Chattanooga	TN	37421 37421-3208
9017 E Brainerd Rd	Chattanooga	TN	37421 37421-4422
<b>8410 Flower Br</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37421 37421-4491</b>
743 Graysville Rd	Chattanooga	TN	37421 37421-4321
8334 E Mountain Ln	Chattanooga	TN	37421 37421-4336
9102 Tennga Ln	Chattanooga	TN	37421 37421-4563
8814 Hurricane Ridge Rd	Chattanooga	TN	37421 37421-4578
702 Hurricane Ridge Cir	Chattanooga	TN	37421 37421-4528
8918 Hurricane Ridge Rd	Chattanooga	TN	37421 37421-4580
8926 Hurricane Ridge Rd	Chattanooga	TN	37421 37421-4580
9030 Jenny Lynn Dr	Chattanooga	TN	37421 37421-4583
9014 Tennga Ln	Chattanooga	TN	37421 37421-4586
7859 Avalon Acres Ct	Chattanooga	TN	37421 37421-2748
8302 Standifer Gap Rd	Chattanooga	TN	37421 37421-5030
7811 Shallowford Rd	Chattanooga	TN	37421 37421-2637
7838 Standifer Gap Rd	Chattanooga	TN	37421 37421-1216
9409 Standifer Gap Rd	Ooltewah	TN	37363 37363-8317
<b>9514 Wolfcreek Trl</b>	<b>Ooltewah</b>	<b>TN</b>	<b>37363 37363-1752</b>
9121 Quail Run Dr	Chattanooga	TN	37421 37421-1348
9112 Quail Mountain Dr	Chattanooga	TN	37421 37421-1351

9226 Quail Mountain Dr	Chattanooga	TN	37421 37421-1353
9425 Standifer Gap Rd	Ooltewah	TN	37363 37363-8317
726 Morning Shadows Dr	Chattanooga	TN	37421 37421-2055
730 Morning Shadows Dr	Chattanooga	TN	37421 37421-2055
9501 Shady Cv	Chattanooga	TN	37421 37421-2060
2205 Quail Nest Cir	Chattanooga	TN	37421 37421-1367
2301 Quail Nest Cir	Chattanooga	TN	37421 37421-1364
2416 Quail Nest Cir	Chattanooga	TN	37421 37421-1359
9022 Warbler Ln	Chattanooga	TN	37421 37421-1358
9220 Cobblestone Hill Dr	Ooltewah	TN	37363 37363-8942
7604 Standifer Gap Rd	Chattanooga	TN	37421 37421-1179
7628 Standifer Gap Rd	Chattanooga	TN	37421 37421-1103
<b>4311 Crazy Horse Ln</b>	<b>Ooltewah</b>	<b>TN</b>	<b>37363 37363-</b>
4321 Green Shanty Rd	Ooltewah	TN	37363 37363-9086
7504 Old Lee Hwy	Chattanooga	TN	37421 37421-1143
4463 Palomino Dr	Ooltewah	TN	37363 37363-7078
4463 Palomino Dr	Ooltewah	TN	37363 37363-7078
7414 Old Lee Hwy	Chattanooga	TN	37421 37421-1147
4306 Woodland Dr	Ooltewah	TN	37363 37363-9031
9687 Collier Pl	Ooltewah	TN	37363 37363-4877
4019 Auburn Hills Dr	Ooltewah	TN	37363 37363-6948
8952 Dawnwood Ct	Ooltewah	TN	37363 37363-6963
2834 Hidden Trail Ln	Chattanooga	TN	37421 37421-5040
930 Hurst St	Chattanooga	TN	37412 37412-3940
168 Burnt Mill Rd	Flintstone	GA	30725 30725-2105
8605 Kindred Ln	Ooltewah	TN	37363 37363-8247
5342 Ringgold Rd	Chattanooga	TN	37412 37412-3140
3538 Mountain Creek Rd	Chattanooga	TN	37415 37415-6702
3002 Hixson Pike	Chattanooga	TN	37415 37415-5935
5329 Collegeview Dr	Ooltewah	TN	37363 37363-8124
6769 Harbor Ter	Chattanooga	TN	37416 37416-1061
6311 E Brainerd Rd	Chattanooga	TN	37421 37421-3956
8356 Randall Ct	Hixson	TN	37343 37343-1326
5500 Post Ave	Chattanooga	TN	37409 37409-1911
130 Bledsoe Ter	Chattanooga	TN	37405 37405-1810
109 Timber Knoll Dr	Chattanooga	TN	37421 37421-3760
4302 Woodland Dr	Ooltewah	TN	37363 37363-9031
2606 Hope Valley Trl	Chattanooga	TN	37421 37421-5054
1907 Preswood Dr	Hixson	TN	37343 37343-4124
102 Valleybrook Rd	Hixson	TN	37343 37343-3060
110 Signal Hills Dr	Chattanooga	TN	37405 37405-1822
<b>129 Hill Top Dr</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37411 37411-4535</b>
8020 Standifer Gap Rd	Chattanooga	TN	37421 37421-1220
2100 Dodds Ave	Chattanooga	TN	37404 37404-5461
2554 Crestwood Dr	Chattanooga	TN	37415 37415-6320
3827 Mark Twain Cir	Chattanooga	TN	37406 37406-2749
1114 Shallowford Rd	Chattanooga	TN	37411 37411-1623

7001 Genoa Dr	Chattanooga	TN	37421 37421-5747
117 E Daytona Dr	Chattanooga	TN	37415 37415-2414
1119 Mayflower Rd	Sale Creek	TN	37373 37373-9769
11229 Hixson Pike	Soddy Daisy	TN	37379 37379-5722
714 Danbury Dr	Signal Mountain	TN	37377 37377-2624
1151 Fairmount Ave	Chattanooga	TN	37405 37405-2849
3937 Forest Highland Dr	Chattanooga	TN	37415 37415-3510
3103 Camber Hl	Chattanooga	TN	37415 37415-5983
1500 Wilson Rd	Rossville	GA	30741 30741-2161
3202 Van Buren St	Chattanooga	TN	37415 37415-5418
5030 Silver Ln	Apison	TN	37302 37302-9592
<b>193 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-</b>
2318 Green Forest Ln	Chattanooga	TN	37406 37406-2610
23 Ridgeland Rd	Rossville	GA	30741 30741-6101
4860 Lone Hill Rd	Chattanooga	TN	37416 37416-1419
1323 Scenic Hwy	Lookout Mountain	GA	30750 30750-2731
4606 Norcross Rd	Hixson	TN	37343 37343-5861
<b>US 27</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-</b>
3714 Lerch St	Chattanooga	TN	37411 37411-4537
4719 Brainerd Rd	Chattanooga	TN	37411 37411-3830
10007 Standifer Gap Rd	Ooltewah	TN	37363 37363-8323
3610 Chateau Ln	Chattanooga	TN	37411 37411-4315
3386 Easton Ave	Chattanooga	TN	37415 37415-4718
610 Mohawk St	Rossville	GA	30741 30741-1125
824 Flinn Dr	Chattanooga	TN	37412 37412-4112
9605 Pine St	Ooltewah	TN	37363 37363-8817
1622 Glowmont Dr	Chattanooga	TN	37412 37412-3776
2330 Guinevere Pkwy	Chattanooga	TN	37421 37421-2603
4002 Michelin Ln	Chattanooga	TN	37415 37415-3117
10700 Dallas Hollow Rd	Soddy Daisy	TN	37379 37379-5321
6924 Echo Glen Dr	Hixson	TN	37343 37343-2855
321 S Mission Ridge Dr	Rossville	GA	30741 30741-2405
818 Burnt Mill Rd	Flintstone	GA	30725 30725-2115
2300 Janeview Dr	Chattanooga	TN	37421 37421-1601
3701 Juandale Trl	Chattanooga	TN	37406 37406-2739
5003 Shoals Ln	Chattanooga	TN	37416 37416-1063
413 Ladds Switch Rd	Guild	TN	37340 37340-3036
3520 Pinellas Ln	Chattanooga	TN	37412 37412-1730
430 Hogan Rd	Rossville	GA	30741 30741-2436
1831 Suck Creek Rd	Chattanooga	TN	37405 37405-9725
705 Line St	Chattanooga	TN	37404 37404-6322
4413 Jersey Pike	Chattanooga	TN	37416 37416-3102
6724 E Brainerd Rd	Chattanooga	TN	37421 37421-3738
<b>5502 O Leary St</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37410 37410-2223</b>
2522 Maplewood Dr	Chattanooga	TN	37421 37421-1344
5808 Lake Resort Dr	Hixson	TN	37343 37343-4618
3701 Kings Rd	Chattanooga	TN	37416 37416-2014

11473 Hwy 41	Guild	TN	37340 37340-3005
<b>215 Murphy Hollow Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
1326 Sunset Dr	Signal Mountain	TN	37377 37377-2942
4746 Buckingham Dr	Chattanooga	TN	37421 37421-1132
6740 Triple Crown Ct	Chattanooga	TN	37421 37421-1494
2025 Rawlings St	Chattanooga	TN	37406 37406-4236
3808 Rae Trl	Chattanooga	TN	37406 37406-2760
9108 Westminister Circle C	Chattanooga	TN	37416 37416-1552
201 Grayson Rd	Signal Mountain	TN	37377 37377-2125
4944 Willow Lawn Dr	Chattanooga	TN	37416 37416-1441
430 Griffin Rd	Lookout Mountain	GA	30750 30750-4707
4825 Vincent Rd	Chattanooga	TN	37416 37416-1018
4703 Jersey Pike	Chattanooga	TN	37416 37416-2331
2401 Janeview Dr	Chattanooga	TN	37421 37421-1604
4159 Gann Store Rd	Hixson	TN	37343 37343-4119
4604 Conner St	Chattanooga	TN	37411 37411-4713
4501 Brainerd Rd	Chattanooga	TN	37411 37411-5495
1436 Woodmore Ln	Chattanooga	TN	37411 37411-1722
106 Bales Ave	Chattanooga	TN	37412 37412-1602
994 Clift Cave Dr	Soddy Daisy	TN	37379 37379-5700
4714 Hal Dr	Chattanooga	TN	37416 37416-2312
3921 Forest Highland Dr	Chattanooga	TN	37415 37415-3510
4503 Jersey Pike	Chattanooga	TN	37416 37416-3164
3942 W Rd	Signal Mountain	TN	37377 37377-3104
4703 Privateer Rd	Hixson	TN	37343 37343-4126
6901 Echo Glen Dr	Hixson	TN	37343 37343-2856
9405 Hixson Pike	Soddy Daisy	TN	37379 37379-8832
8601 Surry Cir	Chattanooga	TN	37421 37421-3359
<b>41 Hwy</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
614 Phoenix Ave	Chattanooga	TN	37411 37411-2813
1260 Browns Ferry Rd	Chattanooga	TN	37419 37419-1532
10 Key West Ave	Rossville	GA	30741 30741-7642
351 Rainbow Rd	Rossville	GA	30741 30741-6322
6907 Phyllis Ln	Chattanooga	TN	37421 37421-4041
<b>168 Old Whiteside Rd</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
11227 E Brainerd Rd	Apison	TN	37302 37302-9539
<b>4367 N 341 Hwy</b>	<b>Flintstone</b>	<b>GA</b>	<b>30725 30725-6201</b>
7492 John Henry Rd	Chattanooga	TN	37421 37421-5197
1000 N Sanctuary Rd	Chattanooga	TN	37421 37421-4058
3411 Vinewood Dr	Chattanooga	TN	37406 37406-4446
5815 Quail Hollow Cir	Chattanooga	TN	37416 37416-1453
654 Bluebird Cir	Chattanooga	TN	37412 37412-4181
105 Windmere Dr	Chattanooga	TN	37411 37411-1822
5822 Lee Hwy	Chattanooga	TN	37421 37421-3544
27 W Bee Rock Rd	Flintstone	GA	30725 30725-2050
8338 Springfield Rd	Soddy Daisy	TN	37379 37379-4252
<b>6872 McCutcheon Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37421 37421-</b>

1832 S Prairie Cir	Hixson	TN	37343 37343-1521
4718 Belle Vista Dr	Chattanooga	TN	37411 37411-2447
314 Glendale Dr	Chattanooga	TN	37405 37405-1606
1921 Morris Hill Rd	Chattanooga	TN	37421 37421-3345
1960 E State Line Rd	Rossville	GA	30741 30741-7666
8702 Pine Ridge Rd	Ooltewah	TN	37363 37363-8050
1232 Mountain Brook Cir	Signal Mountain	TN	37377 37377-2128
6313 White Oak Valley Cir	Mc Donald	TN	37353 37353-4028
11708 Rivergate Bay Ln	Soddy Daisy	TN	37379 37379-5949
6502 Shallowford Rd	Chattanooga	TN	37421 37421-1702
2134 Lee Pike	Soddy Daisy	TN	37379 37379-8134
4 Georgia Ter	Rossville	GA	30741 30741-2427
4819 Woodland Cir	Hixson	TN	37343 37343-4114
1439 Wilson Rd	Rossville	GA	30741 30741-2198
<b>155 Mashburn Ln</b>	<b>Whiteside</b>	<b>TN</b>	<b>37396 37396-</b>
1203 Laredo Ave	Chattanooga	TN	37412 37412-1511
5442 Chesapeake Dr	Chattanooga	TN	37416 37416-1478
416 Graham Rd	Soddy Daisy	TN	37379 37379-7506
1839 Skyline Dr	Chattanooga	TN	37421 37421-3055
503 Fleetwood Dr	Rossville	GA	30741 30741-2605
4501 W Ravenwood Dr	Chattanooga	TN	37415 37415-2352
2830 Tunnel Blvd	Chattanooga	TN	37406 37406-2644
201 Ladds Switch Rd	Guild	TN	37340 37340-3038
8300 Pine Ridge Rd	Ooltewah	TN	37363 37363-8046
4801 Hillsdale Cir	Chattanooga	TN	37416 37416-1206
11261 Old Dayton Pike	Soddy Daisy	TN	37379 37379-6516
20 Cobb Cir	Rossville	GA	30741 30741-6051
931 Brynwood Dr	Chattanooga	TN	37415 37415-3305
4913 Montcrest Dr	Chattanooga	TN	37416 37416-1217
240 S Crest Rd	Chattanooga	TN	37404 37404-5521
4613 Lockington Ln	Chattanooga	TN	37416 37416-3107
2122 Hamill Rd	Hixson	TN	37343 37343-4029
13925 Jones Gap Rd	Soddy Daisy	TN	37379 37379-8605
6672 Sandswitch Rd	Hixson	TN	37343 37343-5800
204 Hathaway Dr	Signal Mountain	TN	37377 37377-2505
303 S Moore Rd	Chattanooga	TN	37411 37411-4810
5603 Weigelia Dr	Chattanooga	TN	37416 37416-2442
593 Wando Dr	Chattanooga	TN	37412 37412-2917
5233 Spalding Dr	Ooltewah	TN	37363 37363-8798
4028 Hamill Rd	Hixson	TN	37343 37343-3519
36 Agnes Ave	Chattanooga	TN	37406 37406-2705
7710 Wimberly Dr	Chattanooga	TN	37416 37416-3233
191 S Mission Ridge Dr	Rossville	GA	30741 30741-1487
918 Shirley Ann Trl	Hixson	TN	37343 37343-2067
<b>1091 Burlington Dr</b>	<b>Rossville</b>	<b>GA</b>	<b>30741 30741-</b>
116 Boyd St	Soddy Daisy	TN	37379 37379-5005
5711 Queen Aire Ln	Chattanooga	TN	37415 37415-7024



7923 Sue Dr	Ooltewah	TN	37363 37363-8424
1706 Monterey Dr	Chattanooga	TN	37411 37411-1045
1608 McCallie Ferry Rd	Soddy Daisy	TN	37379 37379-7920
4415 Rossville Blvd	Chattanooga	TN	37407 37407-2917
3104 Carousel Rd	Chattanooga	TN	37411 37411-1015
1793 Morris Woods Trl	Chattanooga	TN	37421 37421-1144
1812 S Hawthorne St	Chattanooga	TN	37404 37404-5017
5604 Moody Sawyer Rd	Hixson	TN	37343 37343-3670
1426 Palisades Rd	Signal Mountain	TN	37377 37377-2915
972 Clift Cave Dr	Soddy Daisy	TN	37379 37379-5700
8303 Springfield Rd	Soddy Daisy	TN	37379 37379-4253
7541 Bleen Pl	Chattanooga	TN	37421 37421-4141
2002 Linwood Cir	Soddy Daisy	TN	37379 37379-8137
963 Union Fork Rd	Soddy Daisy	TN	37379 37379-6230
7415 Allemande Way	Chattanooga	TN	37421 37421-3044
811 Woodmore Ln	Chattanooga	TN	37411 37411-2310
4600 Shawhan Rd	Chattanooga	TN	37411 37411-1227
4976 Eastview Ter	Apison	TN	37302 37302-9582
2972 Nurick Dr	Chattanooga	TN	37415 37415-6128
2006 Dogwood Dr	Chattanooga	TN	37406 37406-2771
7624 Harper Rd	Hixson	TN	37343 37343-2110
1401 Carousel Rd	Chattanooga	TN	37411 37411-1006
1380 Orbit Dr	Hixson	TN	37343 37343-4335
4302 Woodland Dr	Ooltewah	TN	37363 37363-9031
14718 Stormer Rd	Sale Creek	TN	37373 37373-7720
6206 Wimberly Dr	Chattanooga	TN	37416 37416-3229
4121 W Rd	Signal Mountain	TN	37377 37377-3203
9240 W Ridge Trail Rd	Soddy Daisy	TN	37379 37379-9022
596 Egypt Hollow Rd	Whiteside	TN	37396 37396-1400
503 Tunnel Blvd	Chattanooga	TN	37411 37411-1916
8322 Pine Ridge Rd	Ooltewah	TN	37363 37363-8046
1419 Arapaho Dr	Soddy Daisy	TN	37379 37379-8003
5711 Queen Mary Ln	Chattanooga	TN	37415 37415-7026
11045 Old Dayton Pike	Soddy Daisy	TN	37379 37379-5649
7315 Noah Reid Rd	Chattanooga	TN	37421 37421-1610
4018 Alabama Rd	Apison	TN	37302 37302-9789
3621 Prospect Church Rd	Apison	TN	37302 37302-9520
4703 Privateer Rd	Hixson	TN	37343 37343-4126
115 Holder Ln	Chattanooga	TN	37419 37419-2645
11109 Dallas Hollow Rd	Soddy Daisy	TN	37379 37379-5330
707 Beautiful Pl	Chattanooga	TN	37415 37415-6879
1810 Verona Dr	Chattanooga	TN	37421 37421-3064
1001 Salem Rd	Rossville	GA	30741 30741-2142
1150 Hurricane Creek Rd	Chattanooga	TN	37421 37421-4522
<b>11997 Back Valley Rd</b>	<b>Soddy-Daisy</b>	<b>TN</b>	<b>37379 37379-</b>
2322 Bending Oak Dr	Chattanooga	TN	37421 37421-1519
4604 Lake Haven Dr	Chattanooga	TN	37416 37416-2205

1723 Crestwood Dr	Chattanooga	TN	37405 37405-1405
2600 Standifer Chase Dr	Chattanooga	TN	37421 37421-1483
9337 Hixson Pike	Soddy Daisy	TN	37379 37379-8874
1461 Palisades Rd	Signal Mountain	TN	37377 37377-2915
5753 Old Dayton Pike	Chattanooga	TN	37415 37415-1225
2076 Tunnel Blvd	Chattanooga	TN	37406 37406-2628
6205 Ringgold Rd	Chattanooga	TN	37412 37412-3831
4222 Mountain Creek Rd	Chattanooga	TN	37415 37415-2014
314 Crisman St	Chattanooga	TN	37415 37415-4526
5201 Brainerd Rd	Chattanooga	TN	37411 37411-5302
397 Osage Dr	Soddy Daisy	TN	37379 37379-6245
8166 Holly Crest Dr	Chattanooga	TN	37421 37421-1942
4516 Rocky River Rd	Chattanooga	TN	37416 37416-3135
9702 Old Moore Rd	Ooltewah	TN	37363 37363-1504
517 Bitsy Ln	Chattanooga	TN	37415 37415-2928
11950 Burchard Rd	Soddy Daisy	TN	37379 37379-7400
10904 Lovell Rd	Soddy Daisy	TN	37379 37379-5357
8015 Holly Hills Dr	Chattanooga	TN	37421 37421-1912
425 Tiktin Dr	Chattanooga	TN	37415 37415-5114
8029 Harper Rd	Hixson	TN	37343 37343-2117
10301 Lee Hwy	Ooltewah	TN	37363 37363-8876
2598 Ridgecrest Cir	Chattanooga	TN	37406 37406-1446
7266 Valley Ln	Hixson	TN	37343 37343-2282
<b>41 Hwy</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37419 37419-</b>
511 N Moore Rd	Chattanooga	TN	37411 37411-3426
2233 Chimney Hills Dr	Soddy Daisy	TN	37379 37379-3119
3226 Gleason Dr	Chattanooga	TN	37412 37412-1334
6601 Holder Rd	Harrison	TN	37341 37341-9523
16 McBrien Rd	Chattanooga	TN	37411 37411-4813
9702 Old Moore Rd	Ooltewah	TN	37363 37363-1504
297 Montlake Rd	Soddy Daisy	TN	37379 37379-4239
2400 N Crest Rd	Chattanooga	TN	37406 37406-4601
<b>1702 Shepherd Rd</b>	<b>Chattanooga</b>	<b>TN</b>	<b>37421 37421-</b>
5237 McDonald Rd	Mc Donald	TN	37353 37353-4065
7905 Mill Creek Rd	Signal Mountain	TN	37377 37377-1719
503 Hogan Rd	Rossville	GA	30741 30741-2431
2800 Fairview Dr	Chattanooga	TN	37406 37406-1530
6805 Holder Rd	Harrison	TN	37341 37341-9591
10701 Lee Hwy	Mc Donald	TN	37353 37353-4011
606 Long St	Dayton	TN	37321 37321-7512
722 Creek Dr	Chattanooga	TN	37415 37415-2078
21811 River Canyon Rd	Chattanooga	TN	37405 37405-7436
7638 Short Tail Springs Rd	Harrison	TN	37341 37341-9493
1241 Browns Ferry Rd	Chattanooga	TN	37419 37419-1531
<b>127 U S</b>	<b>Signal Mountain</b>	<b>TN</b>	<b>37377 37377-</b>

## **Potential Duplicative Funding Notice**

EPB of Chattanooga (EPB) commits to promptly notify DOE in writing of any potential overlap that could occur with another federal or state funding opportunity that may be awarded. In January 2023, EPB submitted a sub-application to the Tennessee Emergency Management Agency (TEMA) to propose undergrounding electric and fiber lines from overhead-to-underground. The sub-application was submitted by TEMA to FEMA, on behalf of EPB, for FEMA BRIC 2022.

EPB has identified hundreds of locations that would result in benefits to the community for underground conversions. While some locations do overlap in EPB's GRIP Area 1 application with its FEMA BRIC 2022 sub-application, EPB is prepared to provide the same locations but make each of them unique if awarded by both DOE and FEMA.

If awarded, EPB is willing to provide the documentation necessary to ensure it follows all DOE guidelines, particularly to distinguish that no other federal awards have been, are being, or are to be used for one or more of the identical cost items under the DOE award.

## **Report on Resilience Investments**

Chattanooga is a community heavily focused on reliability and resilience. For the past decade, EPB has made significant investments in its electric system to improve resiliency and reliability as well as improve our ability to better monitor and operate the system. This investment has been in Smart Grid technology that included an all-fiber communications network, automated switches, AMI infrastructure, a new SCADA system, and a new Distribution Management System (DMS).

The most significant improvement in the area of reliability was a direct result of the deployment of distribution automation at a density level that is not matched on any power system in the country. EPB installed 1,200 intelligent switches across its two hundred 12kv distribution circuits. These switches communicate via the fiber optic communication network and are controlled by a peer-to-peer automation platform.

This initial strategy was to heavily automate all three-phase electric main lines so that system damage that impacts the highest numbers of customers could be isolated to a smaller area with the remainder of customers to be automatically restored. EPB's distribution automation system, which became operational in 2012, has resulted in an approximately 55% reduction in customer outage minutes across the system.

Building on this initial strategy, EPB has developed the following long-term strategy for reliability and resilience which consists of three primary focus areas:

- 1) **Distribution Automation (DA):** Continue to enhance the implementation of DA through targeted placement of automated equipment to provide more reliable electric service to our customers. This strategic component addresses the feeder "backbone" of our electric system and has delivered the greatest improvement in overall reliability. In addition to the daily reliability benefits the DA provides (as measured by the IEEE 1366 SAIDI metric), it also provides tremendous customer benefits when severe weather events impact our area. While these are typically excluded from the SAIDI measurement based upon the IEEE 1366 standard, electric customers are becoming more dependent upon the availability of electric service during all types of weather. EPB's experience with DA has shown that some of our greatest customer benefits occur during these severe weather events. The most recent example was in April of 2020 when an EF3 tornado with 140 mph winds impacted the EPB service area. There were nearly 60,000 customers that experienced sustained outages. However, there were 45,000 customers that avoided sustained outages due to the DA technology. Severe weather events such as a tornado or hurricane have areas of significant damage for which there may not be an alternate source of power that DA requires to be effective, but there are always areas at the fringe of the most significant damage in which DA can be extremely effective to restore power to customers. This allows EPB to quickly focus its efforts on the most significant areas of damage. Thus, even though DA is most often designated as reliability initiative, its resiliency benefits are significant too.

EPB invested approximately \$47 million on our initial deployment of automated switches and has continued to add or move switches as necessary to improve customer service. The initial investment was supported by the 2009 ARRA Smart Grid Award. In addition, we have maintained our fleet of automated switches including the recent replacement of the batteries that are critical to their operation during outages and the installation of improved animal protection. The annual maintenance costs are shown in the table below.

- 2) **Microgrids:** As mentioned above, In order for a circuit to be automatically restored after an outage, there must be an alternate circuit adjacent to the affected circuit. In some of the more remote areas of EPB's service territory there is no alternate circuit – either due to natural barriers such as the Tennessee River or locations at the edge of our service territory. These locations have not been able to benefit as greatly from distribution automation as areas more centrally located. For these locations, EPB has begun to develop capabilities for creating microgrids. By installing energy storage systems near the end of a radial circuit, a fault can be isolated using automated switches and power beyond the faulted section of the circuit can be restored using the energy storage system as the alternate source.

EPB has implemented energy storage systems in four locations in our service territory with three of these supporting microgrids. We have two additional microgrids in progress. We would like to address more locations in our service territory with this microgrid capability to provide more reliable and resilient service to the customers at the edge of our service territory. In addition to the resiliency benefits, these energy storage systems can also be used to reduce EPB's peak demand thereby reducing the generation requirements for TVA during times of peak load.

EPB's three previous microgrid projects have been in locations that already have alternate circuits available for restoration. These locations were selected because of their critical nature – Chattanooga Airport, Chattanooga Police Service Center and EPB's Control Center Campus. These projects provided valuable learning experience for EPB engineers and technicians in the design, construction and operation of energy storage and microgrids. The focus is now on the remote locations of our service territory for which there is no alternate circuit available for restoration.

EPB's total investment in energy storage projects to date has been \$9.5 million. Approximately \$850k of this amount was funded by DOE (GMLC) and ARPA-E grants.

- 3) **UG Conversion:** Each year, EPB performs an evaluation of our outage history to identify opportunities for improvement. In recent years, EPB has experienced increases in vegetation related outages caused by an increase in many types of weather related events and natural disasters. Beginning in 2015, EPB began to include overhead to underground conversions as part of our reliability initiative. EPB's standard for the construction of new facilities has been to place them underground for about 20 years. Starting in 2015, we began a program to

convert existing overhead facilities to underground in specific areas that have experienced the most frequent outages. EPB has completed the underground conversion of overhead distribution on 19 different fused circuits for a total capital cost of \$3.8M. This work has resulted in a 75% improvement in SAIFI (frequency of outage) and 91% improvement in SAIDI (annual customer outage minutes) for the customers affected.

This underground conversion process started with a pilot program to convert overhead distribution facilities to underground in 2015. EPB's specific project location selection and prioritization decisions stem from the same guiding principles applied to storm restoration and the deployment of the fiber optic network; the order of work is based on providing the most significant impact to the community. In order to select underground projects, EPB assessed the performance of each fused circuit on its system and identified single-phase sections with the highest frequency of outages. These locations were analyzed to determine their suitability for UG conversion. Candidate locations were then prioritized based upon projected improvement vs. the estimated cost of the conversion to select the conversion projects.

The underground conversion strategy described above would be utilized on fused circuits that have historically experienced a high frequency of outages. These facilities are often located in utility easements at the rear of customer homes which are typically plagued by thick vegetation and are difficult to access when an outage occurs – extending the length of restoration time. By converting the OH primary facilities to UG, we can reduce the frequency of interruptions for these customers.

EPB has invested \$3.8 million in UG Conversion projects since 2015. This initiative was reduced in the most recent two years due to concerns about transformer supply chains. We are budgeted to increase spending again in our next fiscal year.

In addition to our targeted OH to UG conversion projects on fused lateral circuits, we also have identified some circuits near downtown Chattanooga that have been converted from OH to UG in support of large commercial development as well as general aesthetics. We achieve some additional reliability and resiliency benefit from these projects too.

Our long term strategy for improving reliability and resiliency is illustrated in the figures below. The first figure shows two feeder scenarios – the first is a radial circuit with no alternate source and the second is a circuit with a normally open tie switch to another circuit. This circuit includes several OH fused laterals. The second figure demonstrates our reliability strategy. First, it shows how the Distribution Automation isolates a fault and restores service to the remainder of the feeder by closing the normally open switch. Second, we show the addition of Distributed Energy Resources (DER) at the end of the circuit to provide the alternate source. Finally, we show a fused lateral that has been converted to UG.

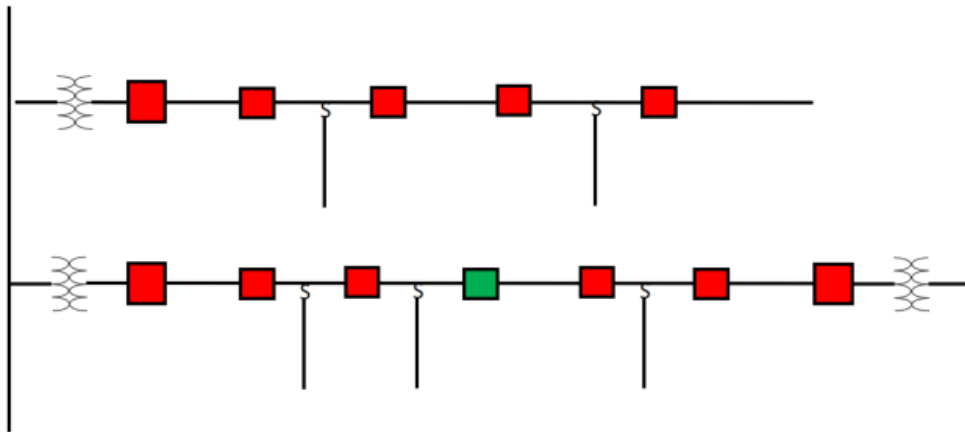


Figure 1

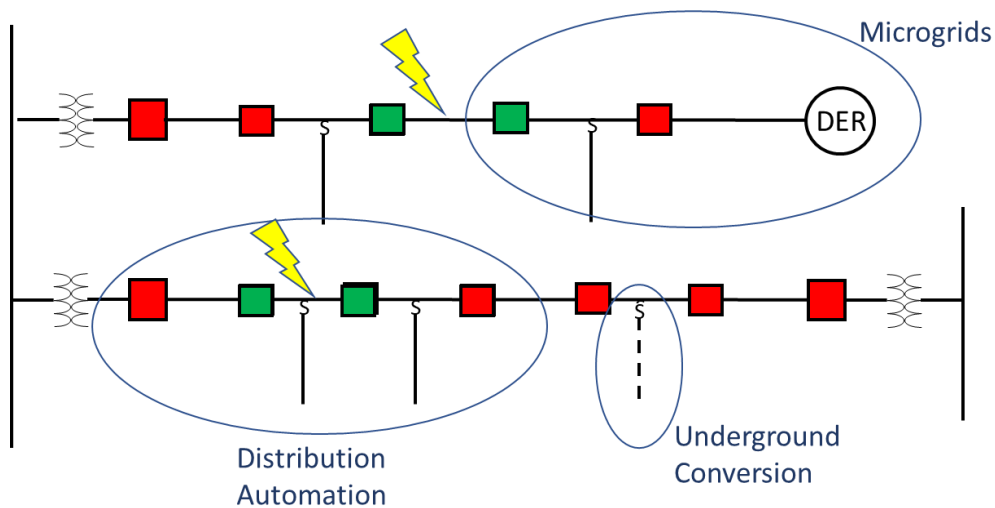


Figure 2

As mentioned earlier, our implementation of Distribution Automation has essentially saturated our system such that our expenditures in this area are primarily for maintenance and small improvements. We see our greatest opportunity to improve reliability and resiliency in the near future to come from microgrid implementations and OH to UG conversion projects. These will be the focus of our long term improvement strategy.

**Other Activity:** In addition to our long term reliability and resiliency strategy, EPB utilizes traditional methods for improving and maintaining the reliability and resiliency of our electric system. These include System Improvement projects such as reconductoring lines to improve

capacity and vegetation management to mitigate trees from growing into or falling into overhead electric facilities. We also have been replacing substation equipment with newer technology to ensure reliable service and to take advantage of smart grid functionality.

EPB also conducts regularly scheduled pole inspections of our wood poles. In 2016, EPB began to increase the volume of annual pole inspections based upon the recognition of our ageing infrastructure. As a result, our poles needing replacement have increased such that our annual expenditures have increased by approximately 40%. Even at this increased spending level, we have not been able to replace all of the poles needing to be replaced. This backlog of pole replacements is one of the areas in which we need to “catch-up” to stay on track for maintaining our infrastructure.

Our Reliability and Resiliency actual expenditures for the last three years and proposed budgets for the next three years are summarized in the table below. The columns represent EPB fiscal years. EPB’s fiscal year is from July 1 to June 30. For the 2023 fiscal year, the dollars shown are the budget or actual year-to-date, whichever is greater.

Report on Resilience Investments						
Description	Fiscal Year Actuals			Fiscal Year Budgeted		
	2020	2021	2022	2023	2024	2025
Distribution Line Reconductor	\$ 178,206	\$ 437,906	\$ 25,985	\$ 400,000	\$ 400,000	\$ 400,000
Interruption Maintenance - Other	296,132	283,812	149,712	350,000	350,000	350,000
Interruption Battery Replacement	291,394	379,565	208,728	-	-	-
System Optimization (Voltage, PF, 4kv Conversion)	418,146	119,876	115,866	120,779	-	-
Pole Inspection Program	172,928	195,671	194,244	240,000	275,000	275,000
Pole Replacement Program	1,044,986	1,123,120	2,331,942	2,400,000	2,800,000	2,800,000
Tree Trimming - Cycle	6,510,674	6,376,904	3,053,547	6,618,064	7,300,000	7,300,000
Tree Trimming - Off-Cycle	1,139,057	1,146,202	1,306,226	960,837	1,100,000	1,100,000
Overhead to Underground Conversion	1,032,913	921,131	113,289	400,000	400,000	400,000
Substation Equipment Replacements	229,483	336,937	252,586	463,155	485,000	485,000
Substation Relay/Control Replacements	212,662	169,442	168,302	250,000	250,000	250,000
Substation Controls Maintenance	244,913	186,460	53,573	100,000	100,000	100,000
Downtown OH-UG Conversion	2,748,232	1,749,978	187,689	227,850	260,000	260,000
Controls for UG Distribution	308	18,900	4,755	50,000	50,000	50,000
46kv New Breakers	71,960	231	138,044	70,000	220,000	220,000
12kv New Breakers	105,665	-	175,953	100,000	163,000	163,000
New Voltage Regulators	73,980	186,683	49,927	120,000	240,000	240,000
Storage/Generation	43,210	482,044	7,586,141	7,400,000	7,500,000	7,500,000
46kv Sensor and Auto-Switch	121,316	283,441	170,160	400,000	400,000	400,000
Annual Total	14,936,165	14,398,303	16,286,669	20,670,685	22,293,000	22,293,000
<b>Three Year Total</b>	<b>\$</b>	<b>45,621,137</b>	<b>\$</b>	<b>65,256,685</b>		



## PROJECT DESCRIPTION AND ASSURANCES DOCUMENT TEMPLATE (PDAD)

**Project title:** EPB Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids

**Applicant Name:** EPB of Chattanooga

**Applicant Address:** 10 West Martin Luther King Blvd., Chattanooga, TN 37402

**Names of all team member organizations (if applicable):**

**Principal Investigator:** Electric Power Board of Chattanooga

**Business Point of Contact:** Kelli Grimes-Ballard ([grimeskl@epb.net](mailto:grimeskl@epb.net) / 423-648-1218)

**Include any statements regarding confidentiality.**

**Federal Share: \$32,275,691**

**Cost Share: \$32,275,691**

**Total Estimated Project Cost: \$64,551,382**

**Item 1: Specify (mark with "X") the FOA Topic Area and as applicable the Area of Interest:**

Topic Area 1: **Grid Resilience Grants** (BIL section 40101(c))

Topic Area 2: **Smart Grid Grants** (BIL section 40107)

Topic Area 3: **Grid Innovation Program** (BIL section 40103(b)) – Area of Interest 1  
(**Transmission** System Applications)

Topic Area 3: **Grid Innovation Program** (BIL section 40103(b)) – Area of Interest 2  
(**Distribution** System Applications)

Topic Area 3: **Grid Innovation Program** (BIL section 40103(b)) – Area of Interest 3  
(**Combination** System Applications)

**TOPIC AREA 1 Specific Items:**

Item 2: Specify (mark with "X") the entity type of the applicant organization:

- electric grid operator
- electricity storage operator
- electricity generator
- transmission owner or operator
- distribution provider
- fuel supplier

If further description is needed for the specified entity type, please provide below:

**Item 3: Please provide the total amount (USD) of qualifying resilience investments (as outlined in DE-FOA-00002740) that has been spent for the previous 3 years. Please also provide the time period utilized for calculation of this amount.**

**Total Amount:** \$45,621,137

**Time Period for Resilience Investments:** 36 Months

***Note: Topic Area 1 applicants must submit as part of their application, a report detailing past, current, and future efforts by the eligible entity to reduce the likelihood and consequences of disruptive events. This report should include efforts over at least the previous 3 years and at least the next 3 years and any broader resilience strategy used by the applicant.***

**Item 4: Is the eligible entity a Small Utility as defined in DE-FOA-0002740 (sells no more than 4,000,000 MWh of electricity per year)? If NO is selected, skip to Item 7.**

Yes

No

***Note: If YES, applicant must provide their Form 861 for the last reporting year submitted to the Energy Information Administration (EIA).***

Item 5: **Per BIL section 40101(e)(2) (C) APPLICATION LIMITATIONS.** —An eligible entity may not submit an application for a grant provided by the Secretary under subsection (c) and a grant provided by a State or Indian Tribe pursuant to subsection (d) during the same application cycle.

Therefore, is the eligible entity a Subaward/Subcontract recipient for an application submitted under IJJA Section 40101(d), ALRD 2736? If “YES”, please describe the differences between the GRIP FOA 2740 application [40101(c)] and the ALRD 2736 [40101(d)] applications in the box below:

Yes

No

**TOPIC AREA 2 Specific**

No items

**TOPIC AREA 3 Specific**

**Item 6: Specify (mark with “X”) the entity type of the applicant organization:**

a State

a combination of 2 or more States

an Indian Tribe

a unit of local government

a public utility commission

If further description is needed for the specified entity type, please provide below:

**Item 7:**

**Authorized Organizational Representative (AOR): please provide name, address, phone number and email address for the authorized agent to bind the entity**

**Authorized Organizational Representative (AOR):**

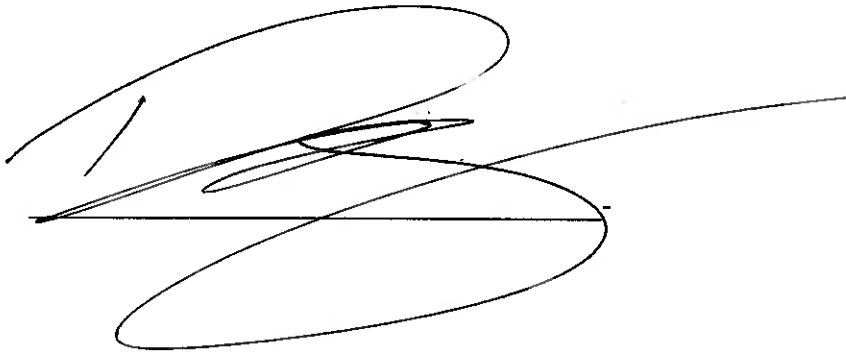
**Name:** Daniel Crawley

**Address:** 10 West Martin Luther King Blvd., Chattanooga, TN 37422

**Phone:** 423-635-3489

**E-mail:** crawleyjd@epb.net

**Item 8: Signature of Authorized Organizational Representative (AOR)**

A handwritten signature in black ink, appearing to be 'D. Crawley', written over a horizontal line. The signature is stylized with large loops and a long horizontal stroke extending to the right.



## New Heights Scholarship Program Partnership Agreement


The New Heights Scholarship Program connects students from underserved and underrepresented communities in Hamilton County to a viable pathway to prosperity. The New Heights Scholarship Program partnership is working to solve a two-pronged issue for our community. Employers are struggling to find a skilled lineworker workforce, and our students need the exposure, opportunity, and support to complete a path to thriving wage career pathways. Through this partnership, we have created clear, supported pathways with defined access points and supports to ensure that students can explore and connect to careers in the electrical and communications lineworker industries. The goal is for qualified candidates to receive high-quality preparation and enter a career with a local utility with at least 75 scholarship recipients hired into a thriving wage lineworker job by August 2025. Each partner agrees to promote the New Heights Scholarship Program within our community and schools, attend meetings of the partnership to assess progress toward goals, and provide strategic support for the work. Partner roles are specified below.

- **American Association of Blacks in Energy (AABE):** The local chapter of AABE receives scholarship funds and supports disbursement of funds to SLTC and awardees.
- **Benwood Foundation:** As a local foundation committed to creating shared economic prosperity and viable pathways to prosperity within Hamilton County, the Benwood Foundation provides scholarship funds and strategic support for the New Heights Scholarship Program.
- **Chattanooga 2.0:** As the birth-to-career collective impact organization for Hamilton County, Chattanooga 2.0 facilitates the partnership, disburses funding and connections to nonprofit partners for scholarship recipients in need of wraparound supports, coordinates pathway activities and communication of the program across K-12 with Hamilton County Schools, and provides program evaluation to support continuous improvement of the New Heights Scholarship Program.
- **EPB:** As an industry partner, EPB contributes scholarship funds, provides mentoring and support to scholarship candidates, and agrees to interview all students who complete the training program through SLTC. EPB also provides strategic support to the partnership.
- **Hamilton County Schools:** Hamilton County Schools works with the partnership to build exploration and inspiration activities for K-12 students, supports the communication strategy for students, educators, and families in the target high schools, provides lists of interested students to SLTC and AABE, and supports the scholarship application process in schools.
- **IBEW Local 175:** IBEW provides apprenticeship and training programs through SELCAT and Chattanooga Electrical JATC to support New Heights recipients in training beyond SLTC in partnership with EPB and TVA. IBEW also provides strategic support to the partnership.
- **Southeast Lineman Training Center (SLTC):** SLTC provides a tuition discount for scholarship recipients and supports students in choosing the Electrical or Communications Lineworker Program which include ten or more industry specific certification and qualifications. SLTC also supports exploration activities through school visits, career fairs, educator, family and student visits to the SLTC campus, and other activities.
- **TVA:** As an industry partner, TVA contributes scholarship funds, provides mentoring and support to scholarship candidates, and agrees to interview all students who complete the training program through SLTC. TVA also provides strategic support to the partnership.

  
Ketha Richardson, AABE

  
Sarah Morgan, President, Benwood

  
Dr. Keri Randolph, Exec. Director, Chattanooga 2.0

  
Marie Webb, VP/Chief Talent Officer, EPB

  
Dr. Justin Robertson, Superintendent, Hamilton County Schools

  
David Powell, Owner/Partner, SLTC

  
Shelton Sterling, IBEW

  
Carol Eimers, East Region Vice President, TVA

April 5, 2023

David Wade, President & CEO  
Electric Power Board  
10 West M.L.K. Blvd.  
Chattanooga, TN 37402

Dear David,

Chattanooga State Community College is honored to partner with EPB on their application for the Department of Energy: Grid Resilience and Innovation Partnerships/Grid Resilience Grant request. The College has a history of partnering with EPB to create and deliver programs that provide access to family sustaining employment for low income and diverse populations.

Through this grant, we will establish College Sponsored, Department of Labor Registered, Non-Union Apprenticeships focused on the topic areas of computer engineering, IT support and related training. Additionally, Chattanooga State will help recruit individuals for the program, based on EPB's employment requirements, and provide the necessary instruction for job readiness. Also, we will provide mentor training to aid throughout the learning and placement process.

Chattanooga State has sponsored registered apprenticeships since November of 2018. Typically, our training programs have an 86% retention rate and a 29% completion rate. Thus far, we have served 66 apprentices. We are confident that through the partnership this grant support will provide, the success rate will equal or exceed these statistics from our existing programs.

I am thrilled that Chattanooga State Community College will serve as your training provider for the project outlined in your GRIP grant request. As students succeed in earning technical certificates, they help meet the state's Drive to 55 goal of 55% of Tennesseans holding a postsecondary degree or certificate by 2025.

This proposal will assist in creating a better educational alignment with regional workforce needs; access to highly accredited curriculum; student access to state-of-the-art equipment and labs; excellent faculty; as well as apprenticeships, internships, and on-the-job-training opportunities. This initiative will help make a remarkable difference in the educational and career readiness of area citizens. We look forward to helping to deliver workforce training as part of this grant project. I wish you every success as you apply for the GRIP grant and look forward to continuing, as well as enhancing, our educational partnership.

Sincerely,



Rebecca L. Ashford, Ed.D.  
President

## U.S. Department of Energy Awards Grid Resilience and Innovation Partnership Grant to EPB

CHATTANOOGA, Tenn. – The U.S. Department of Energy (DOE) announced EPB is among 10 organizations to be included in Grid Resilience and Innovation Partnerships (GRIP) Area 1 funding designed to improve power grid reliability. EPB will receive \$32.3 million, which it will match, to add energy storage, transition overhead power lines to underground service, and replace aging power poles.

The DOE GRIP program is designed to increase job opportunities through training and other programs, decrease environmental exposure and increase energy resiliency. EPB will achieve GRIP's priorities over three large-scale projects: (1) Add 15 MW of storage through six 2.5 MW battery installations, primarily in rural and underserved areas; (2) invest in transitioning 101 miles of overhead power lines to underground lines; (3) and improve grid resilience by replacing 1,338 power poles to prevent and minimize damage and outages, especially to withstand future severe weather.

“Thanks to the DOE GRIP program, our energy services will become even more reliable and resilient in support of our effort to serve our community,” said EPB President & CEO David Wade. “To reach the people who can benefit most, we are working with organizations across our community to ensure a thoughtful, safe and effective implementation process.”

With the mission of enhancing quality of life for its community, EPB seeks to build on its designation as the most resilient and reliable [PEER-certified utility power grid](#) in the U.S.

To achieve DOE Justice40 goals and address underinvestment in disadvantaged communities, EPB will complete 40% of the project in disadvantaged communities. To ensure equitable distribution and effective outcomes, EPB will work with nonprofit and community organizations to build upon past efforts to create better quality of life and lift communities out of poverty by increasing prosperity through more reliable and safer energy, including:

- HCS EdConnect – Providing no-cost high-speed internet for all Hamilton County School students in need (28,000+ people currently benefit)
- Home Uplift – Completing home energy renovations for income-limited customers in partnership with TVA
- EPB Institute of Technology and Networking at Tyner – Supporting computing and networking curriculum for a diverse and inclusive group of high school students
- Southeast Lineman Training Center – Engaging to fill diversity gaps in energy and telecommunications employment opportunities
- Minority and Women-Owned Businesses Development – 20-year+ program with \$90 million-plus in contracts with MWOB businesses.

Other partner organizations include the Chattanooga State Community College, City of Chattanooga, American Association of Blacks in Energy (AABE), Chattanooga 2.0, Benwood Foundation, IBEW Local 175, and Southeast Lineman Training Center (SLTC).

## Instructions and Summary

Award Number: \_\_\_\_\_  
 Award Recipient: \_\_\_\_\_

Date of Submission: \_\_\_\_\_  
 Form submitted by: \_\_\_\_\_  
(May be award recipient or sub-recipient)

**Please read the instructions on each worksheet tab before starting. If you have any questions, please ask your DOE contact!**

1. If using this form for award application, negotiation, or budget revision, fill out the blank white cells in workbook tabs a. through j. with total project costs. If using this form for invoice submission, fill out tabs a. through j. with total costs for just the proposed invoice and fill out tab k. per the instructions on that tab.
2. Blue colored cells contain instructions, headers, or summary calculations and should not be modified. Only blank white cells should be populated.
3. Enter detailed support for the project costs identified for each Category line item within each worksheet tab to autopopulate the summary tab.
4. The total budget presented on tabs a. through i. must include both Federal (DOE) and Non-Federal (cost share) portions.
5. All costs incurred by the preparer's sub-recipients, vendors, and Federal Research and Development Centers (FFRDCs), should be entered only in section f. Contractual. All other sections are for the costs of the preparer only.
6. Ensure all entered costs are allowable, allocable, and reasonable in accordance with the administrative requirements prescribed in 2 CFR 200, and the applicable cost principles for each entity type: FAR Part 31 for For-Profit entities; and 2 CFR Part 200 Subpart E - Cost Principles for all other non-federal entities.
7. Add rows as needed throughout tabs a. through j. If rows are added, formulas/calculations may need to be adjusted by the preparer. Do not add rows to the Instructions and Summary tab. If your project contains more than five budget periods, consult your DOE contact before adding additional budget period rows or columns.
8. **ALL budget period cost categories are rounded to the nearest dollar.**

**BURDEN DISCLOSURE STATEMENT**

Public reporting burden for this collection of information is estimated to average 3 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of Information Resources Management Policy, Plans, and Oversight, AD-241-2 - GTN, Paperwork Reduction Project (1910-5162), U.S. Department of Energy 1000 Independence Avenue, S.W., Washington, DC 20585; and to the Office of Management and Budget, Paperwork Reduction Project (1910-5162), Washington, DC 20503.

### SUMMARY OF BUDGET CATEGORY COSTS PROPOSED

**The values in this summary table are from entries made in subsequent tabs, only blank white cells require data entry**

Section A - Budget Summary								
		Federal	Cost Share			Total Costs	Cost Share %	Proposed Budget Period Dates
Budget Period 1		\$5,089,770	\$5,089,771			\$10,179,541	50.00%	Example!!! 01/01/2014 - 12/31/2014
Budget Period 2		\$7,240,666	\$7,240,667			\$14,481,333	50.00%	
Budget Period 3		\$10,107,458	\$10,107,458			\$20,214,916	50.00%	
Budget Period 4		\$6,473,736	\$6,473,736			\$12,947,471	50.00%	
Budget Period 5		\$3,364,060	\$3,364,061			\$6,728,121	50.00%	
<b>Total</b>		\$32,275,691	\$32,275,691			\$64,551,382	50.00%	
Section B - Budget Categories								
CATEGORY	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total Costs	% of Project	Comments (as needed)
<b>a. Personnel</b>	\$832,069	\$793,762	\$680,873	\$556,552	\$338,235	\$3,201,490	4.96%	
<b>b. Fringe Benefits</b>	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>c. Travel</b>	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>d. Equipment</b>	\$5,585,569	\$10,972,768	\$17,716,768	\$10,771,768	\$5,611,619	\$50,658,493	78.48%	
<b>e. Supplies</b>	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>f. Contractual</b>								
Sub-recipient	\$50,000	\$180,000	\$260,000	\$120,000	\$50,000	\$660,000	1.02%	
Vendor	\$3,711,903	\$2,534,803	\$1,557,275	\$1,499,152	\$728,267	\$10,031,399	15.54%	
FFRDC	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>Total Contractual</b>	\$3,761,903	\$2,714,803	\$1,817,275	\$1,619,152	\$778,267	\$10,691,399	16.56%	
<b>g. Construction</b>	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>h. Other Direct Costs</b>	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>Total Direct Costs</b>	\$10,179,541	\$14,481,333	\$20,214,916	\$12,947,471	\$6,728,121	\$64,551,382	100.00%	
<b>i. Indirect Charges</b>	\$0	\$0	\$0	\$0	\$0	\$0	0.00%	
<b>Total Costs</b>	\$10,179,541	\$14,481,333	\$20,214,916	\$12,947,471	\$6,728,121	\$64,551,382	100.00%	

Additional Explanation (as needed): \_\_\_\_\_





**b. Fringe Benefits**

**INSTRUCTIONS - PLEASE READ!!!**

1. Fill out the table below by position title. If all employees receive the same fringe benefits, you can show "Total Personnel" in the Labor Type column instead of listing out all position titles.
2. The rates and how they are applied should not be averaged to get one fringe cost percentage. Complex calculations should be described/provided in the Additional Explanation section below.
3. The fringe benefit rates should be applied to all positions, regardless of whether those funds will be supported by Federal Share or Recipient Cost Share.
4. Each budget period is rounded to the nearest dollar.

Labor Type	Budget Period 1			Budget Period 2			Budget Period 3			Budget Period 4			Budget Period 5			Total Project
	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	Personnel Costs	Rate	Total	
Total Personnel			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
			\$0			\$0			\$0			\$0			\$0	\$0
<b>Total:</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>		<b>\$0</b>	<b>\$0</b>

A federally approved fringe benefit rate agreement, or a proposed rate supported and agreed upon by DOE for estimating purposes is required at the time of award negotiation if reimbursement for fringe benefits is requested. Please check (X) one of the options below and provide the requested information if not previously submitted.

A fringe benefit rate has been negotiated with, or approved by, a federal government agency. A copy of the latest rate agreement is/was included with the project application.\*

There is not a current federally approved rate agreement negotiated and available.\*\*

\*Unless the organization has submitted an indirect rate proposal which encompasses the fringe pool of costs, please provide the organization's benefit package and/or a list of the components/elements that comprise the fringe pool and the cost or percentage of each component/element allocated to the labor costs identified in the Budget Justification (Form EERE 335.1).

\*\*When this option is checked, the entity preparing this form shall submit an indirect rate proposal in the format provided in the Sample Rate Proposal at <http://www1.eere.energy.gov/financing/resources.html>, or a format that provides the same level of information and which will support the rates being proposed for use in the performance of the proposed project.

Additional Explanation (as necessary): Please use this box (or an attachment) to list the elements that comprise your fringe benefits and how they are applied to your base (e.g. Personnel) to arrive at your fringe benefit rate.

**c. Travel**

**INSTRUCTIONS - PLEASE READ!!!**

1. Identify Foreign and Domestic Travel as separate items. Examples of Purpose of Travel are subrecipient site visits, DOE meetings, project mgmt. meetings, etc. Examples of Basis for Estimating Costs are past trips, travel quotes, GSA rates, etc.
2. All listed travel must be necessary for performance of the Statement of Project Objectives.
3. Federal travel regulations are contained within the applicable cost principles for all entity types. Travel costs should remain consistent with travel costs incurred by an organization during normal business operations as a result of the organizations written travel policy. In absence of a written travel policy, organizations must follow the regulations prescribed by the General Services Administration.
4. Each budget period is rounded to the nearest dollar.

SOPO Task #	Purpose of Travel	Depart From	Destination	No. of Days	No. of Travelers	Lodging per Traveler	Flight per Traveler	Vehicle per Traveler	Per Diem Per Traveler	Cost per Trip	Basis for Estimating Costs
	<b>Domestic Travel</b>	<b>Budget Period 1</b>									
										\$0	
										\$0	
										\$0	
										\$0	
	<b>International Travel</b>									\$0	
										\$0	
	<b>Budget Period 1 Total</b>									<b>\$0</b>	
	<b>Domestic Travel</b>	<b>Budget Period 2</b>									
										\$0	
										\$0	
										\$0	
										\$0	
	<b>International Travel</b>									\$0	
										\$0	
	<b>Budget Period 2 Total</b>									<b>\$0</b>	
	<b>Domestic Travel</b>	<b>Budget Period 3</b>									
										\$0	
										\$0	
										\$0	
										\$0	
	<b>International Travel</b>									\$0	
										\$0	
	<b>Budget Period 3 Total</b>									<b>\$0</b>	
	<b>Domestic Travel</b>	<b>Budget Period 4</b>									
										\$0	
										\$0	
										\$0	
										\$0	
	<b>International Travel</b>									\$0	
										\$0	
	<b>Budget Period 4 Total</b>									<b>\$0</b>	
	<b>Domestic Travel</b>	<b>Budget Period 5</b>									
										\$0	
										\$0	
										\$0	
										\$0	
	<b>International Travel</b>									\$0	
										\$0	
	<b>Budget Period 5 Total</b>									<b>\$0</b>	
	<b>PROJECT TOTAL</b>									<b>\$0</b>	

Additional Explanation (as needed):

**d. Equipment**

**INSTRUCTIONS - PLEASE READ!!!**

1. Equipment is generally defined as an item with an acquisition cost greater than \$5,000 and a useful life expectancy of more than one year. Please refer to the applicable Federal regulations in 2 CFR 200 for specific equipment definitions and treatment.
2. List all equipment below, providing a basis of cost (e.g. vendor quotes, catalog prices, prior invoices, etc.). Briefly justify items as they apply to the Statement of Project Objectives. If it is existing equipment, provide logical support for the estimated value shown.
3. During award negotiations, provide a vendor quote for all equipment items over \$50,000 in price. If the vendor quote is not an exact price match, provide an explanation in the additional explanation section below. If a vendor quote is not practical, such as for a piece of equipment that is purpose-built, first of its kind, or otherwise not available off the shelf, provide a detailed engineering estimate for how the cost estimate was derived.
4. Each budget period is rounded to the nearest dollar.

SOPO Task #	Equipment Item	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
<b>Budget Period 1</b>						
2.5	Battery Cost	6	\$375,000	\$2,250,000	Vendor Quote	Based on average cost per site
2.6	Balance of Site Equipment	6	\$10,834	\$65,004	Previous MG/Battery Projects	Based on average cost per site
3.2	Conduit & Cable	53325	\$6	\$309,285	Cost per foot - Vendor Quote	
3.2	Transformers	348	\$6,010	\$2,091,480	Cost per transformer - Vendor Quote	
3.2	Other Material	25	\$10,000	\$268,000	Estimated Cost based on prior projects	
4.2	Pole Replacement	1003	\$600	\$601,800		
<b>Budget Period 1 Total</b>				\$5,585,569		
<b>Budget Period 2</b>						
2.5	Battery Cost	6	\$750,000	\$4,500,000	Vendor Quote	
2.6	Balance of Site Equipment	6	\$21,667	\$130,002	Previous MG/Battery Projects	
3.2	Conduit & Cable	122648	\$6	\$711,356	Cost per foot - Vendor Quote	
3.2	Transformers	801	\$6,010	\$4,814,010	Cost per transformer - Vendor Quote	
3.2	Other Material	58	\$10,000	\$616,400	Estimated Cost based on prior projects	
4.2	Pole Replacement	335	\$600	\$201,000		
<b>Budget Period 2 Total</b>				\$10,972,768		
<b>Budget Period 3</b>						
2.5	Battery Cost	6	\$1,875,000	\$11,250,000	Vendor Quote	
2.6	Balance of Site Equipment	6	\$54,167	\$325,002	Previous MG/Battery Projects	
3.2	Conduit & Cable	122648	\$6	\$711,356	Cost per foot - Vendor Quote	
3.2	Transformers	801	\$6,010	\$4,814,010	Cost per transformer - Vendor Quote	
3.2	Other Material	58	\$10,000	\$616,400	Estimated Cost based on prior projects	
				\$0		
<b>Budget Period 3 Total</b>				\$17,716,768		
<b>Budget Period 4</b>						
2.5	Battery Cost	6	\$750,000	\$4,500,000	Vendor Quote	
2.6	Balance of Site Equipment	6	\$21,667	\$130,002	Previous MG/Battery Projects	
3.2	Conduit & Cable	122648	\$6	\$711,356	Cost per foot - Vendor Quote	
3.2	Transformers	801	\$6,010	\$4,814,010	Cost per transformer - Vendor Quote	
3.2	Other Material	58	\$10,000	\$616,400	Estimated Cost based on prior projects	
				\$0		
<b>Budget Period 4 Total</b>				\$10,771,768		
<b>Budget Period 5</b>						
3.2	Conduit & Cable	111983	\$6	\$649,499	Cost per foot - Vendor Quote	
3.2	Transformers	732	\$6,010	\$4,399,320	Cost per transformer - Vendor Quote	
3.2	Other Material	53	\$10,000	\$562,800	Estimated Cost based on prior projects	
				\$0		
				\$0		
				\$0		
<b>Budget Period 5 Total</b>				\$5,611,619		
<b>PROJECT TOTAL</b>				<b>\$50,658,493</b>		

Additional Explanation (as needed):

**e. Supplies**

**INSTRUCTIONS - PLEASE READ!!!**

- Supplies are generally defined as an item with an acquisition cost of \$5,000 or less and a useful life expectancy of less than one year. Supplies are generally consumed during the project performance. Please refer to the applicable Federal regulations in 2 CFR 200 for specific supplies definitions and treatment.
- List all proposed supplies below, providing a basis of costs (e.g. vendor quotes, catalog prices, prior invoices, etc.). Briefly justify the need for the Supplies as they apply to the Statement of Project Objectives. Note that Supply items must be direct costs to the project at this budget category, and not duplicative of supply costs included in the indirect pool that is the basis of the indirect rate applied for this project.
- Multiple supply items valued at \$5,000 or less used to assemble an equipment item with a value greater than \$5,000 with a useful life of more than one year should be included on the equipment tab. If supply items and costs are ambiguous in nature, contact your DOE representative for proper categorization.
- Add rows as needed. If rows are added, formulas/calculations may need to be adjusted by the preparer.
- Each budget period is rounded to the nearest dollar.

SOPO Task #	General Category of Supplies	Qty	Unit Cost	Total Cost	Basis of Cost	Justification of need
<b>Budget Period 1</b>						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
<b>Budget Period 1 Total</b>				<b>\$0</b>		
<b>Budget Period 2</b>						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
<b>Budget Period 2 Total</b>				<b>\$0</b>		
<b>Budget Period 3</b>						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
<b>Budget Period 3 Total</b>				<b>\$0</b>		
<b>Budget Period 4</b>						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
<b>Budget Period 4 Total</b>				<b>\$0</b>		
<b>Budget Period 5</b>						
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
				\$0		
<b>Budget Period 5 Total</b>				<b>\$0</b>		
<b>PROJECT TOTAL</b>				<b>\$0</b>		

Additional Explanation (as needed):

**f. Contractual**

**INSTRUCTIONS - PLEASE READ!!!**

1. The entity completing this form must provide all costs related to subrecipients, vendors, and FFRDC partners in the applicable boxes below.
2. Subrecipients (partners, sub-awardees): Subrecipients shall submit a Budget Justification describing all project costs and calculations when their total proposed budget exceeds either (1) \$100,000 or (2) 50% of total award costs. These subrecipient forms may be completed by either the subrecipients themselves or by the preparer of this form. The budget totals on the subrecipient's forms must match the subrecipient entries below. A subrecipient is a legal entity to which a subaward is made, who has performance measured against whether the objectives of the Federal program are met, is responsible for programmatic decision making, must adhere to applicable Federal program compliance requirements, and uses the Federal funds to carry out a program of the organization. All characteristics may not be present and judgment must be used to determine subrecipient vs. vendor status.
3. Vendors (including contractors): List all vendors and contractors supplying commercial supplies or services used to support the project. For each Vendor cost with total project costs of \$250,000 or more, a Vendor quote must be provided. A vendor is a legal entity contracted to provide goods and services within normal business operations, provides similar goods or services to many different purchasers, operates in a competitive environment, provides goods or services that are ancillary to the operation of the Federal program, and is not subject to compliance requirements of the Federal program. All characteristics may not be present and judgment must be used to determine subrecipient vs. vendor status.
4. Federal Funded Research and Development Centers (FFRDCs): FFRDCs must submit a signed Field Work Proposal during award application. The award recipient may allow the FFRDC to provide this information directly to DOE, however project costs must also be provided below.
5. Each budget period is rounded to the nearest dollar.

SOPO Task #	Sub-Recipient Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
1.5	AABE/IBEW	Lineman Scholarships at Southeast Lineman Training Center	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$250,000
1.5	Chattanooga State Community College	IT Apprentice program development	\$0	\$80,000	\$130,000	\$0	\$0	\$210,000
1.5	TBD Based upon RFP Process	Application Development for Workforce Development	\$0	\$50,000	\$80,000	\$70,000	\$0	\$200,000
1.5								\$0
								\$0
								\$0
		<b>Sub-total</b>	<b>\$50,000</b>	<b>\$180,000</b>	<b>\$260,000</b>	<b>\$120,000</b>	<b>\$50,000</b>	<b>\$660,000</b>

SOPO Task #	Vendor Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
2.3	Barge Design Solutions	Civil Engineer to perform site evaluation - topology, environmental, survey and preliminary site plan. Basis: Current Contract	\$37,440	\$17,760				\$55,200
2.4	Barge Design Solutions	Civil Engineer to prepare final site plan. Basis: Current Contract	\$2,376	\$6,336	\$6,336	\$792		\$15,840
2.4	L K Grant	Site Grading Contractor. Basis: Current Contract	\$0	\$56,089	\$56,089	\$28,044		\$140,222
2.5	B&B Crane Operator	Set batteries on pads. Basis: Previous invoices	\$0	\$6,060	\$6,060	\$3,030	\$0	\$15,150
2.6	NABCO Electrical Contractor	install cables from battery to step up transformer. Wiring of communication and control equipment. Basis: Current Contract	\$0	\$10,752	\$32,256	\$10,752		\$53,760
3.2	Tree Trimming Contractor	Clear path for UG Conversion. Basis: Current Contract - inclusive of labor, vehicles and tools	\$170,274	\$340,548	\$340,548	\$340,548	\$170,274	\$1,362,190
3.2	L K Grant	Trenching, Installing conduit w/cable, installing transformer pads - inclusive of labor, vehicles and tools	\$557,993	\$1,115,986	\$1,115,986	\$1,115,986	\$557,993	\$4,463,944
4.2	Service Electric	Pole Replacement, Transfer facilities	\$2,924,510	\$974,836				\$3,899,346
4.3	Service Electric	As-built drawings, pole disposal	\$19,310	\$6,437				\$25,746
								\$0
								\$0
		<b>Sub-total</b>	<b>\$3,711,903</b>	<b>\$2,534,803</b>	<b>\$1,557,275</b>	<b>\$1,499,152</b>	<b>\$728,267</b>	<b>\$10,031,399</b>

SOPO Task #	FFRDC Name/Organization	Purpose and Basis of Cost	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Project Total
								\$0
								\$0
		<b>Sub-total</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

<b>Total Contractual</b>		<b>\$3,761,903</b>	<b>\$2,714,803</b>	<b>\$1,817,275</b>	<b>\$1,619,152</b>	<b>\$778,267</b>	<b>\$10,691,399</b>
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Additional Explanation (as needed):

### g. Construction

**PLEASE READ!!!**

1. Construction, for the purpose of budgeting, is defined as all types of work done on a particular building, including erecting, altering, or remodeling. Construction conducted by the award recipient is entered on this page. Any construction work that is performed by a vendor or subrecipient should be entered under f. Contractual.
2. List all proposed construction below, providing a basis of cost such as engineering estimates, prior construction, etc., and briefly justify its need as it applies to the Statement of Project Objectives.
3. Each budget period is rounded to the nearest dollar.

**Overall description of construction activities: Example Only!!! - Build wind turbine platform**

SOPO Task #	General Description	Cost	Basis of Cost	Justification of need
<b>Budget Period 1</b>				
<b>Budget Period 1 Total</b>		\$0		
<b>Budget Period 2</b>				
<b>Budget Period 2 Total</b>		\$0		
<b>Budget Period 3</b>				
<b>Budget Period 3 Total</b>		\$0		
<b>Budget Period 4</b>				
<b>Budget Period 4 Total</b>		\$0		
<b>Budget Period 5</b>				
<b>Budget Period 5 Total</b>		\$0		
<b>PROJECT TOTAL</b>		<b>\$0</b>		

Additional Explanation (as needed):

### h. Other Direct Costs

**INSTRUCTIONS - PLEASE READ!!!**

1. Other direct costs are direct cost items required for the project which do not fit clearly into other categories. These direct costs must not be included in the indirect costs (for which the indirect rate is being applied for this project). Examples are: tuition, printing costs, etc. which can be directly charged to the project and are not duplicated in indirect costs (overhead costs).
2. Basis of cost are items such as vendor quotes, prior purchases of similar or like items, published price list, etc.
3. Each budget period is rounded to the nearest dollar.

SOPO Task #	General Description and SOPO Task #	Cost	Basis of Cost	Justification of need
<b>Budget Period 1</b>				
5	<b>EXAMPLE!!!</b> Grad student tuition - tasks 1-3	\$16,000	Established UCD costs	Support of graduate students working on project
<b>Budget Period 1 Total</b>		\$0		
<b>Budget Period 2</b>				
<b>Budget Period 2 Total</b>		\$0		
<b>Budget Period 3</b>				
<b>Budget Period 3 Total</b>		\$0		
<b>Budget Period 4</b>				
<b>Budget Period 4 Total</b>		\$0		
<b>Budget Period 5</b>				
<b>Budget Period 5 Total</b>		\$0		
<b>PROJECT TOTAL</b>		<b>\$0</b>		

Additional Explanation (as needed):



### i. Indirect Costs

**INSTRUCTIONS - PLEASE READ!!!**

1. Fill out the table below to indicate how your indirect costs are calculated. Use the box below to provide additional explanation regarding your indirect rate calculation.
2. The rates and how they are applied should not be averaged to get one indirect cost percentage. Complex calculations or rates that do not correspond to the below categories should be described/provided in the Additional Explanation section below. If questions exist, consult with your DOE contact before filling out this section.
3. The indirect rate should be applied to both the Federal Share and Recipient Cost Share.
4. Each budget period is rounded to the nearest dollar.

	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total	Explanation of BASE
<b>Provide ONLY Applicable Rates:</b>							
Overhead Rate	0.00%	0.00%	0.00%	0.00%	0.00%		
General & Administrative (G&A)	0.00%	0.00%	0.00%	0.00%	0.00%		
FCCM Rate, if applicable	0.00%	0.00%	0.00%	0.00%	0.00%		
OTHER Indirect Rate	0.00%	0.00%	0.00%	0.00%	0.00%		
<b>Indirect Costs (As Applicable):</b>							
Overhead Costs						\$0	
G&A Costs						\$0	
FCCM Costs, if applicable						\$0	
OTHER Indirect Costs						\$0	
<b>Total indirect costs requested:</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	

A federally approved indirect rate agreement, or rate proposed (supported and agreed upon by DOE for estimating purposes) is required if reimbursement of indirect costs is requested. Please check (X) one of the options below and provide the requested information if it has not already been provided as requested, or has changed.

An indirect rate has been approved or negotiated with a federal government agency. A copy of the latest rate agreement is included with this application, and will be provided electronically to the Contracting Officer for this project.

There is not a current, federally approved rate agreement negotiated and available\*.

\*When this option is checked, the entity preparing this form shall submit an indirect rate proposal in the format provided by your DOE contact, or a format that provides the same level of information and which will support the rates being proposed for use in performance of the proposed project. Additionally, any non-Federal entity that has never received a negotiated indirect cost rate, except for those non-Federal entities described in Appendix VII to Part 200—States and Local Government and Indian Tribe Indirect Cost Proposals, paragraph D.1.b, may elect to charge a de minimis rate of 10% of modified total direct costs (MTDC) which may be used indefinitely. As described in §200.403 Factors affecting allowability of costs, costs must be consistently charged as either indirect or direct costs, but may not be double charged or inconsistently charged as both. If chosen, this methodology once elected must be used consistently for all Federal awards until such time as a non-Federal entity chooses to negotiate for a rate, which the non-Federal entity may apply to do at any time.

**You must provide an explanation (below or in a separate attachment) and show how your indirect cost rate was applied to this budget in order to come up with the indirect costs shown.**

Additional Explanation (as needed): \*IMPORTANT: Please use this box (or an attachment) to further explain how your total indirect costs were calculated. If the total indirect costs are a cumulative amount of more than one calculation or rate application, the explanation and calculations should identify all rates used, along with the base they were applied to (and how the base was derived), and a total for each (along with grand total).

## Cost Share

**PLEASE READ!!!**

1. A detailed presentation of the cash or cash value of all cost share proposed must be provided in the table below. All items in the chart below must be identified within the applicable cost category tabs a. through i. in addition to the detailed presentation of the cash or cash value of all cost share proposed provided in the table below. Identify the source organization & amount of each cost share item proposed in the award.
2. Cash Cost Share - encompasses all contributions to the project made by the recipient, subrecipient, or third party (an entity that does not have a role in performing the scope of work) for costs incurred and paid for during the project. This includes when an organization pays for personnel, supplies, equipment, etc. for their own company with organizational resources. If the item or service is reimbursed for, it is cash cost share. All cost share items must be necessary to the performance of the project. Any partial donation of goods or services is considered a discount and is not allowable.
3. In Kind Cost Share - encompasses all contributions to the project made by the recipient, subrecipient, or third party (an entity that does not have a role in performing the scope of work) where a value of the contribution can be readily determined, verified and justified but where no actual cash is transacted in securing the good or service comprising the contribution. In Kind cost share items include volunteer personnel hours, the donation of space or use of equipment, etc. The cash value and calculations thereof for all In Kind cost share items must be justified and explained in the Cost Share Item section below. All cost share items must be necessary to the performance of the project. If questions exist, consult your DOE contact before filling out In Kind cost share in this section. Vendors may not provide cost share. Any partial donation of goods or services is considered a discount and is not allowable.
4. Funds from other Federal sources MAY NOT be counted as cost share. This prohibition includes FFRDC sub-recipients. Non-Federal sources include any source not originally derived from Federal funds. Cost sharing commitment letters from subrecipients and third parties must be provided with the original application.
5. Fee or profit, including foregone fee or profit, **are not allowable** as project costs (including cost share) under any resulting award. The project may only incur those costs that are allowable and allocable to the project (including cost share) as determined in accordance with the applicable cost principles prescribed in FAR Part 31 for For-Profit entities and 2 CFR Part 200 Subpart E - Cost Principles for all other non-federal entities.
6. **NOTE:** A Recipient who elects to employ the 10% de minimis Indirect Cost rate **cannot claim the resulting indirect costs as a Cost Share contribution.**
7. **NOTE:** A Recipient **cannot claim "unrecovered indirect costs"** as a Cost Share contribution, **without prior approval.**
8. **Each budget period is rounded to the nearest dollar.**

Organization/Source	Type (Cash or In Kind)	Cost Share Item	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5	Total Project Cost Share
ABC Company <b>EXAMPLE!!!</b>	Cash	Project partner ABC Company will provide 20 PV modules for product development at the price of \$680 per module	\$13,600					\$13,600
EPB	Cash	EPB to contribute 50% of total cost of project	\$5,089,771	\$7,240,667	\$10,107,458	\$6,473,736	\$3,364,061	\$32,275,691
								\$0
								\$0
								\$0
								\$0
								\$0
								\$0
								\$0
								\$0
		<b>Totals</b>	\$5,089,771	\$7,240,667	\$10,107,458	\$6,473,736	\$3,364,061	\$32,275,691

**Total Project Cost: \$64,551,382**

**Cost Share Percent of Award:**

**50.0%**

Additional Explanation (as needed):

Applicant Name: 0 Award Number: 0

**Budget Information - Non Construction Programs**

OMB Approval No. 0348-0044

<b>Section A - Budget Summary</b>							
Grant Program Function or Activity  (a)	Catalog of Federal Domestic Assistance Number  (b)	Estimated Unobligated Funds		New or Revised Budget			Total  (g)
		Federal  (c)	Non-Federal  (d)	Federal  (e)	Non-Federal  (f)		
1. Budget Period 1				\$5,089,770	\$5,089,771		\$10,179,541
2. Budget Period 2				\$7,240,666	\$7,240,667		\$14,481,333
3. Budget Period 3				\$10,107,458	\$10,107,458		\$20,214,916
4. Budget Period 4				\$6,473,736	\$6,473,736		\$12,947,471
5. Budget Period 5				\$3,364,060	\$3,364,061		\$6,728,121
6. Totals				\$32,275,691	\$32,275,691		\$64,551,382
<b>Section B - Budget Categories</b>							
6. Object Class Categories	Grant Program, Function or Activity					Total (5)	
	Budget Period 1	Budget Period 2	Budget Period 3	Budget Period 4	Budget Period 5		
a. Personnel	\$832,069	\$793,762	\$680,873	\$556,552	\$338,235	\$3,201,490	
b. Fringe Benefits	\$0	\$0	\$0	\$0	\$0	\$0	
c. Travel	\$0	\$0	\$0	\$0	\$0	\$0	
d. Equipment	\$5,585,569	\$10,972,768	\$17,716,768	\$10,771,768	\$5,611,619	\$50,658,493	
e. Supplies	\$0	\$0	\$0	\$0	\$0	\$0	
f. Contractual	\$3,761,903	\$2,714,803	\$1,817,275	\$1,619,152	\$778,267	\$10,691,399	
g. Construction	\$0	\$0	\$0	\$0	\$0	\$0	
h. Other	\$0	\$0	\$0	\$0	\$0	\$0	
i. Total Direct Charges (sum of 6a-6h)	\$10,179,541	\$14,481,333	\$20,214,916	\$12,947,471	\$6,728,121	\$64,551,382	
j. Indirect Charges	\$0	\$0	\$0	\$0	\$0	\$0	
k. Totals (sum of 6i-6j)	\$10,179,541	\$14,481,333	\$20,214,916	\$12,947,471	\$6,728,121	\$64,551,382	
7. Program Income						\$0	

**EPB Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids - Community Benefits Plan**

The community benefits plan (CBP), in relation to underground conversion, pole replacement and microgrids, is directed toward the benefit of disadvantaged communities in EPB’s service territory, the development of the local workforce, support of minority and women owned business, and an expansion of EPB’s efforts in diversity, equity, inclusion, and accessibility both internally and externally.

5-Year Benefit Flow			
Benefits Source	Total Benefit	DAC Value	DAC Percent
Improved Resiliency	\$8,319,862	\$3,321,481	40%
Workforce Development (Total Output)	\$12,136,864	\$6,853,771	56%
<b>Total</b>	<b>\$20,456,726</b>	<b>\$10,175,252</b>	<b>50%</b>

To determine how benefits will flow to disadvantaged communities, EPB took a Two-pronged approach. This approach considers the economic impact of the project and workforce development efforts through IMPLAN<sup>1</sup> analysis, estimating the impact to jobs and output. We use the DOE Interruption Cost Estimate (ICE) Calculator<sup>2</sup> to estimate the benefits of the reliability improvement.

We estimate \$20.4 M in total benefit to the community, with 50% of those benefits flowing to disadvantaged communities.

EPB has set 4 SMART goals in the CBP for this proposal:

- Workforce & Community Agreements
  1. Expansion of Lineman Apprenticeship Program, adding 30 new electrical or communication lineman scholarships
- Investing in the American Workforce
  2. Development of IT focused apprenticeship program at Chattanooga State Community College, with a pilot program for 8-15 students
- Diversity, Equity, Inclusion, and Accessibility
  3. Commitment to maintaining that at least 25% of suppliers, contractors, and vendors for this proposal are Minority and Women Owned Business (MWOB)

This proposal will impact 5 of DOE’s 8 policy priorities:

- Decrease Energy Burden
- Decrease Environmental Exposure
- Increase Clean Energy Jobs, Pipeline, Training
- Increase Energy Democracy
- Increase Energy Resiliency

<sup>1</sup> <https://implan.com/> IMPLAN 2021 Data for model region including Hamilton County, TN

<sup>2</sup> <https://icecalculator.com/home>

## **Workforce & Community Agreements**

Many electric utilities are grappling with a shortage of qualified candidates for one of their most important positions, Line worker. Electrical power line installers and repairers accounted for about 115,000 jobs in 2019, according to the U.S. Bureau of Labor Statistics. Employment is projected to grow by only about 2,000 – less than 2% – by 2029. That figure is low compared to projected overall job growth of 6 million – about 3.7% – but does not include the open positions left by retiring veteran and career line workers. The U.S. is experiencing what Forbes calls an “unprecedented skilled labor shortage”<sup>3</sup> that has electric generation, transmission and distribution companies struggling to identify and woo qualified replacements even for jobs with above-average pay.

Our goal is for qualified candidates to receive a full education at Southeast Lineman Training Center (SLTC) through the Electrical or Communications Lineworker Programs and enter a career with a local utility. Lineworkers are the industry professionals responsible for keeping the lights on and the world connected. SLTC's Electrical and Communications Lineworker Programs are built on the foundation of our training methods and practices developed with our professional team of instructors and industry partners since 1999. When students complete the program, they will be prepared to enter into a career with pay, better benefits and a brighter future.

The AABE New Heights Scholarship Program is designed to help individuals from underrepresented communities find a career in the electrical and communications linework industries. The program is supported by partner organizations: EPB, American Association of Blacks in Energy (AABE), Chattanooga 2.0, Benwood Foundation, Hamilton County Schools, International Brotherhood of Electrical Workers (IBEW) Local 175, Southeast Lineman Training Center (SLTC), and Tennessee Valley Authority (TVA). Through career exposure and hands-on learning opportunities, those who are selected for the program and successfully complete it will be equipped with the knowledge, discipline, and ability to have a successful career.

The AABE New Heights Scholarship Program is marketed to eight schools in the Hamilton County Schools System. Tyner Academy, Red Bank High School, East Ridge High School, Chattanooga Girls Leadership Academy (CGLA), Chattanooga Preparatory School, Brainerd High School, Howard High School, and Central High School. All of these schools serve students in disadvantaged communities. Tours of SLTC have been and will continue to be arranged for students, parents, community partners, and educational staff.

During the SLTC’s programs, students will be trained academically and physically with hands-on experiences. Student time will be spent outside developing skills in field training. During the program students will also work towards 10-11 industry specific certifications and qualifications:

- Class A CDL
- OSHA ET&D 10hr
- First Aid and CPR
- NSC Flagging Certification
- NCCER Crane Certification
- Fiber Optic Splicing
- Pole Top/Bucket Truck Rescue
- Climbing Certification
- Digger Derrick Operator

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<sup>3</sup> [Addressing the Skilled Labor Shortage in America](#)

The AABE New Heights program will be expanded to include an additional 30 scholarship recipients over the next 5 years. These scholarships look to bridge the gap giving students assistance for needs, such as food. At least half of these candidates will be selected from residents in a disadvantaged community. This SMART goal will track the number of individuals receiving scholarships, their graduation rate and job placement.

SMART Goals Milestone Summary Table						
Recipient Name:	EPB of Chattanooga					
Project Title:	Grid Resiliency Upgrades					
SMART Goal:	Expand AABE New Heights Scholarship to an additional 30 Candidates					
Milestone Year	Milestone Description	Measure One	Measure Two	Measure Three	Anticipated Date (Months from Start of Project)	Anticipated Quarter (Quarters from Start of Project)
1	Award 6 scholarships for the AABE New Heights lineman education program, with 3 or more scholarships designated for DAC residents	Number of Scholarship Awards	Graduation Rate	Post Graduation Job Placement	12	4
2	Award 6 scholarships for the AABE New Heights lineman education program, with 3 or more scholarships designated for DAC residents	Number of Scholarship Awards	Graduation Rate	Post Graduation Job Placement	24	8
3	Award 6 scholarships for the AABE New Heights lineman education program, with 3 or more scholarships designated for DAC residents	Number of Scholarship Awards	Graduation Rate	Post Graduation Job Placement	36	12
4	Award 6 scholarships for the AABE New Heights lineman education program, with 3 or more scholarships designated for DAC residents	Number of Scholarship Awards	Graduation Rate	Post Graduation Job Placement	48	16
5	Award 6 scholarships for the AABE New Heights lineman education program, with 3 or more scholarships designated for DAC residents	Number of Scholarship Awards	Graduation Rate	Post Graduation Job Placement	60	20

The Electrical lineworker industry has an average yearly salary of \$79,000. The Communications lineworker industry has an average yearly salary of \$62,000.

Using IMPLAN we estimate that the program expansion will result in the addition of 45 new jobs with \$1.8 M in labor income over five years. Total local output is estimated to exceed \$10.5 M, with \$4.7 M in value added to the local economy.

**Investing in the American Workforce**

EPB will make a concentrated effort to provide residents of disadvantaged local communities with quality job opportunities. Across all DAC areas in EPB’s service territory, a typical household would have an annual income of \$38.8 k, \$22 k less than the local area median household income. Efforts in both community agreements and investment in the workforce will directly impact households in these DAC areas and begin to bridge the income gap for some of our most vulnerable populations.

EPB commits to partnering with Chattanooga State Community College in the development of a pilot EPB apprenticeship program for technical IT roles in the utility industry. The program will expose apprentices to emerging IT needs through a curriculum developed by EPB and Chattanooga State. The program will provide its students (8 – 15) with certifications and credentials at specified points in the program.

Chattanooga State apprenticeship programs have a proven record of accomplishment of success, with a success rate of 90%. This apprenticeship program will require students to complete 144 hours in the classroom and between 2,000 and 8,000 hours on the job.

As a pilot program, the success of apprentices will determine the validity of the program offering. Building off the success of Chattanooga State’s apprenticeship programs, the Community College will maintain oversight of the programs recruitment process with EPB participating in the interview process and selection of students. EPB will also commit to targeting students from local disadvantaged communities by providing set parameters for areas of focus.

Efforts will be made to target DAC areas for recruitment and attract candidates for funded workforce development programs. The efforts are underway in the current New Heights program with marketing in local schools serving underserved populations.

Workforce Development Programs Impact				
Impact	Employment	Labor Income	Value Added	Output
Direct	45.00	\$1,101,036.53	\$3,567,867.21	\$8,141,133.82
Indirect	11.27	\$709,542.31	\$1,234,838.41	\$3,034,888.80
Induced	5.63	\$325,896.41	\$573,350.09	\$960,841.70
<b>Totals</b>	<b>61.9</b>	<b>\$2,136,475.25</b>	<b>\$5,376,055.71</b>	<b>\$12,136,864.32</b>

The expansion of the New Heights Program in combination with the development of an apprentice program with Chattanooga State Community College is expected to create approximately 45 direct jobs in the local economy over 5 years. Based on analysis using the IMPLAN model, we expect total jobs creation of almost 62, with labor income in Hamilton County adding \$2.1 M over five years.

The jobs created through these programs are in-demand and with a reasonable expectation that individuals completing the program will be placed in quality jobs with incomes between \$13 k and \$40 k more than the median household income in a disadvantaged community.

Milestone Summary Table						
Recipient Name:	EPB of Chattanooga					
Project Title:	Grid Resiliency Upgrades					
SMART Goal:	Create an EPB specific certification that combines academic and technical training in an underrepresented workforce industry that will guarantee full-time placement upon completion of the program.					
Task Number	Task or Subtask Title	Milestone Type (Milestone, GO/No-Go Decision Point, End of Project Goal)	Measure	Milestone Verification Process (What, How, Who, Where)	Anticipated Date (Months from Start of Project)	Anticipated Quarter (Quarters from Start of Project)
1	Work with community partners and EPB area supervisors to establish a curriculum with learning outcomes for skill building	Program's readiness to be introduced the target audience	A comprehensive learning plan that will ensure a strong skillset.	A complete program of study established and the beginning of a recruitment strategy read to roll out	12	4
2	Introduce the program to the community with strategic marketing plan--program will begin in August (6-8 month program)	8-15 participants enrolled in the program	Strong candidates enrolled and beginning classes/training	Participants registering for the program.	24	8
3	Pilot cohort will begin classroom instruction in the Fall (August).	On-time for program start	Number of students that are in the initial cohort day one of classroom instruction	Participants engaging in the classroom instruction and coursework	36	12
4	Cohort transitions from the classroom to the workforce to begin their 2,000-8,000 hours	Transition to the workforce	Program retention when transitioning into EPB	Participants able to put classroom instruct to use. Proof that they have retained and can execute the knowledge learned.	48	16
5	Students graduate and EPB evaluates the program success by the number of participants ready to the transition into full-time work.	Decision Point -- determine whether this is a successful approach to onboarding strong and diverse talent with a strong skillset	Number of students that complete the program and are ready for placement	Successful transition into the workplace and prepared for success	60	20

**Disclosure of Violations:** EPB has not had any violations in the past two years under the National Labor Relations Act, Fair Labor Standards Act, Occupational Safety and Health Act, Service Contract Act, Davis-Bacon Act, or Title VII of the Civil Rights Act.

**Diversity, Equity, Inclusion & Accessibility (DEIA)**

EPB has a history of support of minority and women-owned businesses. Since 2001, EPB has contracted over \$93 M with diverse business owners. EPB makes a dedicated effort to identify vendors that are at least 51% majority owned and operated by an individual who is a minority, woman, veteran, or disabled individual. EPB has supported over 95 diverse businesses since 2018, with annual average spending of \$8 million through the program over the last five years alone.

Three pillars form the core of EPB’s Minority and Women Owned Business program: economic development, job creation, and generational wealth. Additionally, EPB attends and hosts events and tours that promote these enterprises.

SMART Goals Milestone Summary Table							
Recipient Name:	EPB of Chattanooga						
Project Title:	Grid Resiliency Upgrades						
SMART Goal:	EPB will support minority and women owned businesses on a local, regional, and national level. Specifically, EPB commits to maintaining that at least 25% of suppliers, contractors, and vendors will be minority or woman owned. EPB will support and sustain supplier diversity efforts throughout the duration of the grant utilizing our Minority and Women Owned Business Development program which support diverse businesses throughout procurement processes and hosts business development strategies with Chattanooga business community partners.						
Milestone Year	Milestone Description	Measure One	Measure Two	Measure Three	Measure Four	Anticipated Date (Months from Start of Project)	Anticipated Quarter (Quarters from Start of Project)
1	EPB is committed to supporting diversity through increasing contracts and supplier opportunities for minority and women owned businesses.	Number of supplier diversity recruitment/tradeshows events	Number of Business Development Trainings Offered	Number of Discovery/Match making calls with diverse suppliers	# of diverse suppliers awarded or have purchase agreements with	12	4
2	EPB is committed to supporting diversity through increasing contracts and supplier opportunities for minority and women owned businesses.	Number of supplier diversity recruitment/tradeshows events	Number of Business Development Trainings Offered	Number of Discovery/Match making calls with diverse suppliers	# of diverse suppliers awarded or have purchase agreements with	24	8
3	EPB is committed to supporting diversity through increasing contracts and supplier opportunities for minority and women owned businesses.	Number of supplier diversity recruitment/tradeshows events	Number of Business Development Trainings Offered	Number of Discovery/Match making calls with diverse suppliers	# of diverse suppliers awarded or have purchase agreements with	36	12
4	EPB is committed to supporting diversity through increasing contracts and supplier opportunities for minority and women owned businesses.	Number of supplier diversity recruitment/tradeshows events	Number of Business Development Trainings Offered	Number of Discovery/Match making calls with diverse suppliers	# of diverse suppliers awarded or have purchase agreements with	48	16
5	EPB is committed to supporting diversity through increasing contracts and supplier opportunities for minority and women owned businesses.	Number of supplier diversity recruitment/tradeshows events	Number of Business Development Trainings Offered	Number of Discovery/Match making calls with diverse suppliers	# of diverse suppliers awarded or have purchase agreements with	60	20

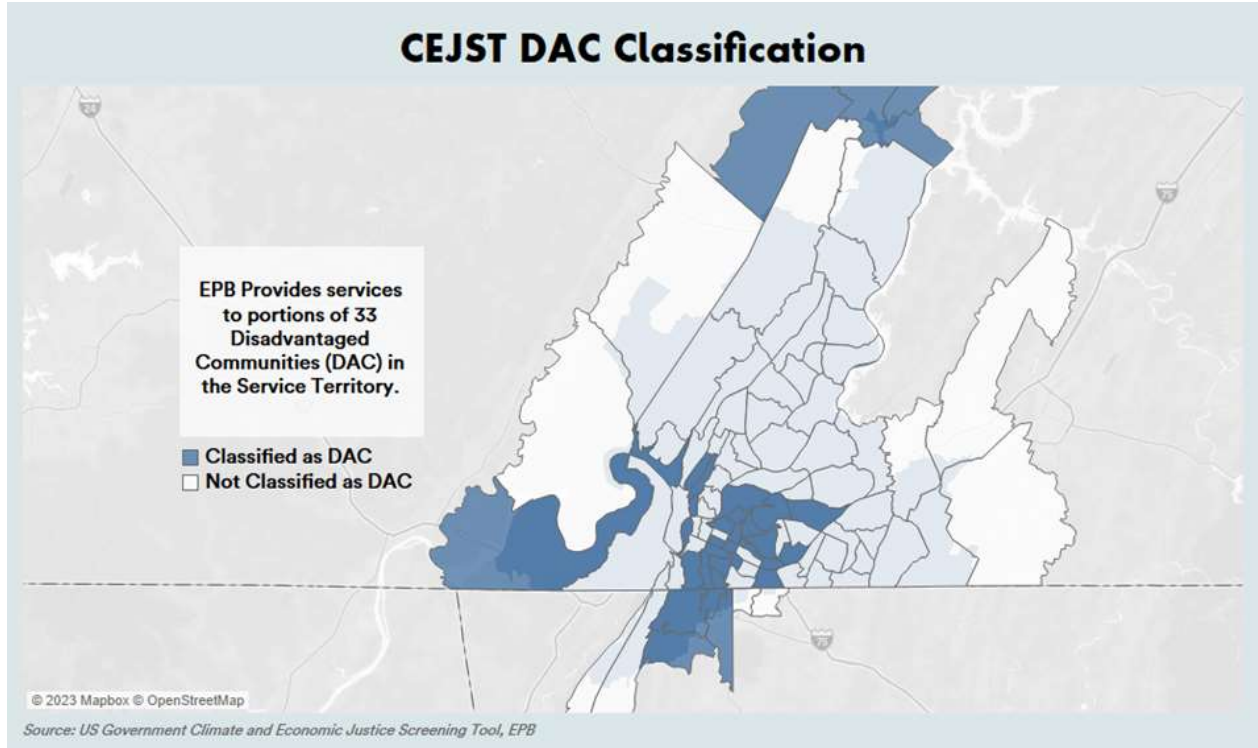
Support for MWOB will continue through a robust ecosystem consisting of funding partners, business development partners, and community organizations providing wrap around resources and supports.



EPB will support MWOB on a local, regional, and national level. Specifically, EPB commits to maintaining that at least 25% of suppliers, contractors, and vendors will be MWOB for this funding opportunity.

While EPB is in the process of selecting partners for efforts related to MWOB, select local organizations have been identified as potential partners. Potential partners include: 1) The University of Tennessee at Chattanooga Veterans Entrepreneurship Program, 2) Chattanooga Women’s Leadership Institute, 3) Co. Lab, and 4) Procurement Technical Institute.

## Justice40



Based on the Climate and Economic Justice Screening Tool (CEJST)<sup>4</sup>, released by the White House in support of the Biden Administration’s Justice40 Initiative, 33 census tracts in EPB’s service territory are classified as a Disadvantaged Community (DAC). Disadvantaged communities in the service territory represent a population of more than 123 k individuals. It is important to note that EPB serves only a portion of several census tracts. Approximately 35 census tracts are classified as low income with six being above the 90<sup>th</sup> percentile for energy burden.

Approximately 34% of the census Tracts in EPB’s service territory are disadvantaged communities. The average household income across the DAC areas is \$38.8 k, over \$22 k less than the median household income in Hamilton County, Tennessee. Limited income in local disadvantaged communities results in higher energy burden and housing costs.

<sup>4</sup> <https://screeningtool.geoplatform.gov/en/#3/33.47/-97.5>

Home values are also lower in local DAC areas. The median home value in local disadvantaged communities is approximately \$112.5 k, almost \$75 k less than the median value of a home in communities not classified as disadvantaged.

The impact of power lines on home values is of key interest. While geographic studies have not resulted in a statistically significant relationship between home values and power lines, the opportunity to understand the impact of underground line conversions on home or property values is ripe for study. Many relevant studies have a focus on home values in relation to proximity to high voltage transmission lines. A study on EPB's underground conversion would examine the impact of distribution lines on home values.

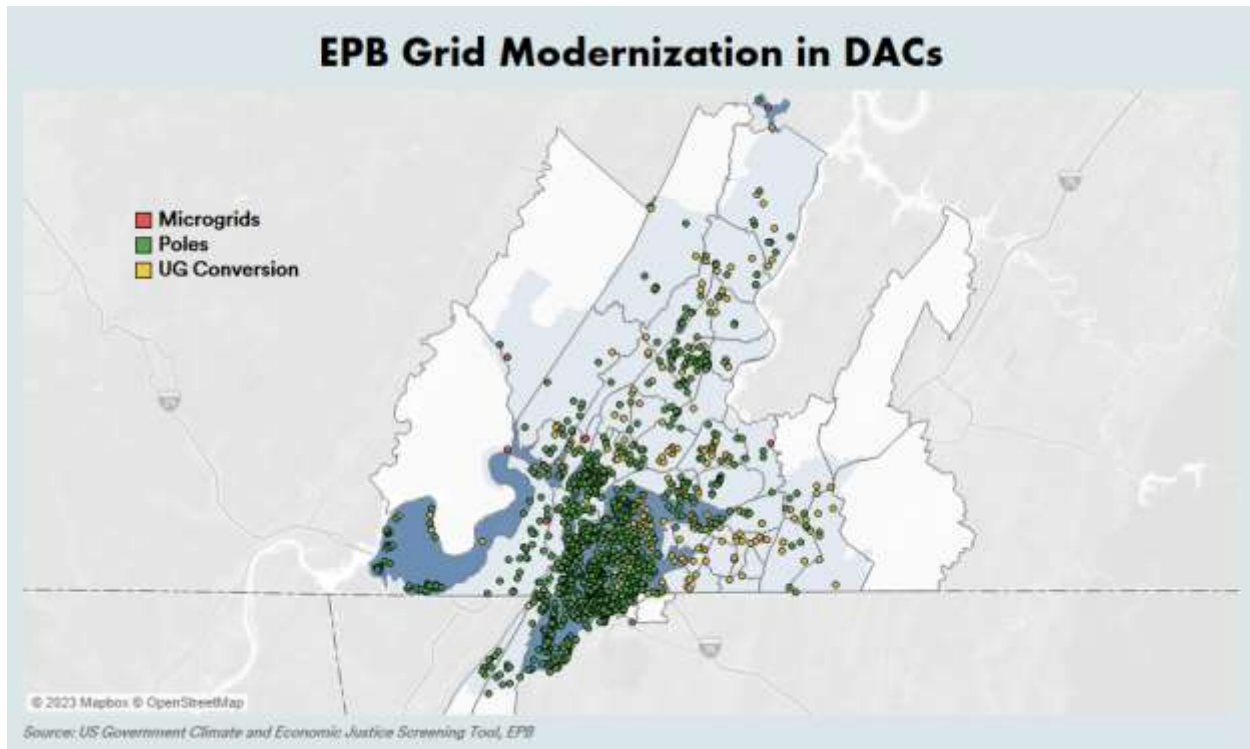
Tracking the changes in disadvantaged communities over time may prove to be a utopian ideal. The flaw in measuring the impact of infrastructure investment and workforce development in designated areas is rooted in the human element. This proposal puts focus on the training and placement of individuals from disadvantaged communities into quality jobs. While this is a benefit that could alter the situation in that area, it comes with the possibility that impacted individuals will migrate to another area, limiting the impact on the designated area. It is equally important to be cognizant of the potential that infrastructure investments may lead to improved home values and rising rents, which could force the migration of low-income individuals priced out of the neighborhood.

As an addition to tracking the impact on disadvantaged communities, the quality of life of individuals directly impacted by this proposal will also be considered. In order to survey individuals impacted by this proposal, a PILOT workforce development application will be developed. This PILOT app will create a local ecosystem of both students and professionals with the goal of providing resources and information relevant to personal goals and career aspirations.

The workforce development application will include the following features:

- **Mentorship Program**: Offering students professional guidance on career paths
- **Career Opportunity Mapping**: Information on Job demand, wages, education, skills, growth
- **Career History**: Ability to share career journey and milestones/challenges
- **Local Resource Connections**: Hub for social assistance programs and local resources

The application will provide current information on program participants without the need for annual surveys and data collection. This will enable career tracking including when individuals migrate out of a disadvantaged community, giving EPB & partners the ability to make routine checks and measure the impact of the program on the quality of life of each participant. Program participants will be required to use the application as part of the program. We believe this approach will alleviate some of the issues, like human migration, that may arise in relation to tracking the changes in local disadvantaged communities.



The locations selected for this proposal focus on improving the reliability and resilience of the grid in local DAC areas. Approximately 58% of the pole replacements will occur in DAC areas and one microgrid will be on the border of a DAC. Of the 268 underground locations, 116 or 43% will directly impact DAC areas. Of the total investment in UG conversion, almost 47% of the investment dollars will go to undergrounding lines in disadvantaged communities. Of the 101 miles planned for UG conversion, 50.7 miles, or 50.2%, will be in DAC areas.

#### **Project Impact of DOE Policy Priorities**

##### 1. Decrease Energy Burden

The process of underground conversion, pole replacement and battery storage will provide reliability and resilience improvements to the grid, but the infrastructure will indirectly impact electricity burden<sup>5</sup>. However, efforts in workforce development will change the situation for participating households in disadvantaged communities.

A household in a DAC area has an average income of \$38.8 k annually. The average annual electricity bill among those household's is \$1,183 resulting in an average electricity burden of just over 3%. This burden will be reduced for households that complete the workforce development programs outlined in this proposal Lineman apprenticeship and certification programs.

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<sup>5</sup> We use electricity burden over energy burden, as EPB is a distributor of electricity not all forms of energy (fuel oil, wood, natural gas, etc.)

An individual completing the Electrical Lineman Apprenticeship program will earn an average annual salary of \$79 k, resulting in an increase in household income of \$40 k. Raising the income of households in DAC areas will result in an improvement in overall electricity burden, assuming these households do not alter their consumption of electricity. For households with an electrical lineman, electricity burden is reduced by half.

Disadvantaged Communities Electricity Burden	
Average Annual Household Income	\$38,814.73
Average Annual Electricity Spending	\$1,183.10
Estimated Electricity Burden	3.05%
Electrical Lineworker Annual Salary	\$79,000.00
Average Annual Electricity Spending	\$1,183.10
Estimated Electricity Burden	1.50%

A similar situation occurs for communication linemen, who would experience an increase in household income of approximately \$23 k. This reduces the electricity burden for those households by 37%.

## 2. Decrease Environmental Exposure

The average distance from EPB’s distribution center to a DAC area is 6.2 miles. With the conversion of overhead to underground distribution lines, we expect a decline in annual truck rolls resulting in a decrease in local area emissions. We forecast an annual reduction of CO2e in DAC areas of just over 4 metric tons. Over the course of five years, approximately 20.9 metric tons of CO2e will be avoided in DAC areas due to the reduction of truck rolls for outage repair.

Using the social cost of carbon, released by the White House<sup>6</sup> working group on the social cost of greenhouse gases, we estimate that over five years, the reduction in CO2e in DAC areas will carry a social value of \$1,202.

For all project sites, EPB is committed to following all NEPA and other environmental guidelines by contacting the appropriate agencies ahead of performing any work necessary. In similar projects, EPB has notified and received responses from several agencies to ensure all permitting, historical/cultural resources, and other environmental conditions are reviewed and approved. These agencies include: U.S. Fish and Wildlife, U.S. Army Corp. of Engineers, State Historic Preservation Office, Tennessee Emergency Management Agency, and the Tennessee Department of Environment and Conservation.

## 3. Increase Clean Energy Jobs, Pipeline, Training

The expansion of the AABE New Heights will provide training for both electrical and communications lineman careers. This expansion will create approximately 30 jobs over five years. These jobs will support an additional 14 jobs in the local economy with total supported labor income of \$1.8 M.

The Chattanooga State apprenticeship program will provide opportunities in the IT field with a focus on the utility industry. This pilot program will provide education to up to 15 individuals. These jobs will support two additional jobs in the community with supported labor income of \$358 k.

<sup>6</sup> [Technical Support Document: Social Cost of Carbon, Methane, and Nitrous Oxide](#)

EPB expects these efforts to lead to a total of 62 jobs created in the community over the next five years.

#### 4. Increase Clean Energy Enterprise Creation and Contracting

EPB is not currently expecting to contract with a clean energy enterprise for this funding opportunity.

#### 5. Increase Energy Democracy

EPB will approach energy democracy through direct communication with residents.

When communicating project work with community stakeholders, it's always a top priority for us to engage directly with each customer. EPB is committed to continue breaking the traditional model utilities tend to have with their customers, which is more of a relationship from a distance. In Chattanooga, EPB strives to become the community's greatest asset, which starts with the most important members of the community, the people living within it. In addition to breaking the traditional customer engagement model, several internal members (including executive leadership, management team members, and employees from various departments) have dedicated significant time and effort to improve the community engagement process for underground conversions. The goals of these improvements are to: 1) raise visibility within the community of EPB's successful and ongoing efforts of diversity in the workforce, 2) provide additional opportunities for field workers to show EPB's diversity efforts, and 3) provide as much information as possible to customers in relation to both technical and societal benefits. To accomplish these goals, EPB plans to follow a communications plan developed and approved by our Brand Strategies, Marketing, and Human Resources Divisions. The communication plan will consist of: 1) emails and/or letters to customers, 2) Community/Town Hall/HOA/Church meetings when applicable, and 3) Door-to-Door/One-on-One stakeholder engagement.

#### 6. Increase Clean Energy Access and Adoption

This proposal does not include deployment of clean energy resources and is not expected to alter adoption of clean energy technology in EPB's service territory.

#### 7. Increase Access to Low-Cost Capital

EPB is not expecting this proposal to change local access to capital

#### 8. Increase Energy Resiliency

The DOE Interruption Cost Estimate (ICE) Calculator<sup>7</sup> was used to estimate the benefits to DAC and non-DAC areas in EPB's service territory for the underground conversion of lines. Based on

DOE ICE Calculator 40-Year Benefit				
Area	Sector	# of Customers	Total Benefit	Benefit per Customer
All	Residential	9938	\$1,800,356	\$181
All	Small C&I	1197	\$43,061,139	\$35,974
All	Medium and Large C&I	95	\$21,697,408	\$228,394
	<b>All</b>	<b>11230</b>	<b>\$66,558,904</b>	<b>\$5,927</b>

<sup>7</sup> <https://icecalculator.com/home>

the proposed work we expect a 91.4% improvement in SAIDI and a 70% improvement in SAIFI. When we examine the benefits of the underground conversion system wide, we find total benefits of \$66.56 M over 40 years to the community.

Local disadvantaged communities are expected to experience a greater value per customer than the system total. Residential customers in DAC areas will see a per customer benefit of \$193, 7% more value per customer than the system total. Small commercial & industrial customers will see per customer benefit in excess of \$1,650 and medium/large commercial and industrial customers will have over \$12 k more benefit in DAC areas.

DOE ICE Calculator 40-Year Benefit - DAC Only				
Area	Sector	# of Customers	Total Benefit	Benefit per Customer
DAC	Residential	3313	\$640,532	\$193
DAC	Small C&I	459	\$17,269,364	\$37,624
DAC	Medium and Large C&I	36	\$8,661,958	\$240,610
	<b>All</b>	<b>3808</b>	<b>\$26,571,854</b>	<b>\$6,978</b>
	<b>Percent of Total Benefit</b>		<b>40%</b>	

Local disadvantaged communities will experience a benefit over \$26.5 M, or 40% of the benefits of the underground conversion. These benefits directly impact local DAC areas and the EPB system.

### **Benefit to Disadvantaged Communities**

EPB expects that at least 40% of the total benefits of this proposal will flow to disadvantaged communities. These benefits are on top of the direct investment being made in local DAC areas.<sup>8</sup> As previously stated, more than 50% of the planned UG conversion miles will directly affect DAC areas with 47% of the investment dollars for UG conversion set for these areas. To determine the value of the benefits that will flow to DAC areas, EPB’s approach includes two measurement processes:

- IMPLAN
- DOE ICE

The impact of the proposed workforce development programs and the output related to the activity are estimated in the IMPLAN Model, an Input-Output modeling system that allows for regional economic impact studies. Based on these models, the workforce programs will result in over \$12 M in economic output over five years, with \$6.8 M benefit (56%) in DAC areas.

5-Year Benefit Flow			
Benefits Source	Total Benefit	DAC Value	DAC Percent
Improved Resiliency	\$8,319,862	\$3,321,481	40%
Workforce Development (Total Output)	\$12,136,864	\$6,853,771	56%
<b>Total</b>	<b>\$20,456,726</b>	<b>\$10,175,252</b>	<b>50%</b>

We estimate that 40% of the reliability benefits will affect DAC areas. Overall, benefits flowing to DAC areas is estimated to be \$10.2 M or 50% of the total benefit.

<sup>8</sup> EPB is taking a conservative approach to the estimation of community benefit, excluding the impacts of the construction phase

# EPB Chattanooga Grid Resiliency

## Project Objectives

- Six new Microgrids will be constructed to improve reliability and resiliency in remote areas near the edge of EPB's service territory
  - \$23.6M
  - 9,200 Labor Hours
- Convert 268 fused lateral circuits from overhead to underground to reduce customer outages, restoration time and their associated costs
  - \$35.2M
  - 86,000 Labor Hours
- Complete replacement of 1338 poles based upon recent inspections. This will improve reliability and improve system design in these areas.
  - \$5.1M
  - 48,000 Labor Hours
- Workforce Development to include expansion of lineman apprentice scholarships funding for AABE and IT focused apprentice program at Chattanooga State Community College for EPB and community stakeholders
  - \$660,000

### **Total Dollars: \$64.6M**

- EPB Cost Share: \$32.3M
- DOE Share: \$32.3M

### **Total Labor Hours: 143,200**

- EPB Personnel: 64,800 hours
- Contractor: 78,400 hours



# EPB Chattanooga Grid Resiliency

## Community Benefits

- Reliability and Resiliency Improvement: 2,800,000 annual customer outage minutes avoided
- \$66.5 M in 40-year reliability benefits for residential, commercial and industrial customers
  - Approximately 40% of benefit flows to Disadvantaged Communities
- Approximately 45 direct jobs created through workforce development programs
  - 17 additional jobs supported/created in community
  - Increase in Labor income of \$2.1 M over 5-years
  - 5-year Economic Output of \$12 M with 56% benefiting Disadvantaged Communities
  - Energy Burden reduction for participating households between 1 - 1.5%
- Approximately 67 metric tons of CO2e avoided due to reduced repair truck rolls
  - 21 metric tons of CO2e avoided in Disadvantaged Communities

### Reliability Benefits

- Fewer Outages
- Faster Restoration
- Lower Restoration Costs

### Other Benefits

- Jobs created
- CO2e reduction





## IMPLAN Disclaimer

IMPLAN is a regional economic analysis software application that is designed to estimate the impact or ripple effect (specifically backward linkages) of a given economic activity within a specific geographic area through the implementation of its Input-Output model. Studies, results, and reports that rely on IMPLAN data or applications are limited by the researcher's assumptions concerning the subject or event being modeled. Studies such as this one are in no way endorsed or verified by IMPLAN Group, LLC unless otherwise stated by a representative of IMPLAN.

IMPLAN provides the estimated Indirect and Induced Effects of the given economic activity as defined by the user's inputs. Some Direct Effects may be estimated by IMPLAN when such information is not specified by the user. While IMPLAN is an excellent tool for its designed purposes, it is the responsibility of analysts using IMPLAN to be sure inputs are defined appropriately and to be aware of the following assumptions within any I-O Model:

- Constant returns to scale
- No supply constraints
- Fixed input structure
- Industry technology assumption
- Constant byproducts coefficients
- The model is static

By design, the following key limitations apply to Input-Output Models such as IMPLAN and should be considered by analysts using the tool:

- **Feasibility:** The assumption that there are no supply constraints and there is fixed input structure means that even if input resources required are scarce, IMPLAN will assume it will still only require the same portion of production value to acquire that input, unless otherwise specified by the user. The assumption of no supply constraints also applies to human resources, so there is assumed to be no constraint on the talent pool from which a business or organization can draw. Analysts should evaluate the logistical feasibility of a business outside of IMPLAN. Similarly, IMPLAN cannot determine whether a given business venture being analyzed will be financially successful.
- **Backward-linked and Static model:** I-O models do not account for forward linkages, nor do I-O models account for offsetting effects such as cannibalization of other existing businesses, diverting funds used for the project from other potential or existing projects, etc. It falls upon the analyst to take such possible countervailing or offsetting effects into account or to note the omission of such possible effects from the analysis.
- **Like the model, prices are also static:** Price changes cannot be modeled in IMPLAN directly; instead, the final demand effects of a price change must be estimated by the analyst before modeling them in IMPLAN to estimate the additional economic impacts of such changes.

## Statement of Project Objectives (SOPO)

EPB Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids

### A. OBJECTIVES

- Six new Microgrids will be constructed to improve reliability and resiliency in remote areas near the edge of EPB's service territory
- Convert 268 fused lateral circuits from overhead to underground to reduce customer outages, restoration time and their associated costs
- Complete a backlog of 1338 poles that need to be replaced based upon recent inspections. This will improve reliability and improve system design in these areas.

### B. SCOPE OF WORK

- For the six Microgrids, the scope will consist of \$23M in equipment purchases, 3800 labor hours of EPB personnel and 5400 contract labor hours to construct, test and commission the microgrids in 4.5 years.
- For the 268 Overhead circuits that will be converted to Underground, the scope will include \$27M of equipment purchases, 53,000 EPB labor hours 33,000 contract labor hours to complete the project in 5 years.
- For the 1338 poles to be replaced, the scope will consist of approximately \$800,000 of equipment purchases, 8000 EPB labor hours and 40,000 contract labor hours to complete the project in 2 years.

### C. TASKS TO BE PERFORMED

#### **Task 1.0: Project Management & Planning**

##### **Subtask 1.1 – Project Management Plan (PMP)**

Within 30 days of award, EPB shall submit a Project Management Plan (PMP) to the designated Federal Project Officer (FPO). EPB shall not proceed beyond Task 1.0 until the PMP has been accepted by the FPO.

The PMP shall be revised and resubmitted as often as necessary, during the course of the project, to capture any major/significant changes to the planned approach, budget, key personnel, major resources, etc.

EPB shall manage and direct the project in accordance with the accepted PMP to meet all technical, schedule and budget objectives and requirements. EPB will coordinate activities to effectively accomplish the work. EPB will ensure that project plans, results, and decisions are appropriately documented, and that project reporting and briefing requirements are satisfied.

##### **Subtask 1.2 – National Environmental Policy Act (NEPA) Compliance**

EPB has prepared the environmental questionnaire and submitted with our application to ensure NEPA compliance

**Subtask 1.3 – Cybersecurity Plan (CSP)\***

Not applicable for Topic Area 1

**Subtask 1.4 – Continuation Briefing(s)**

EPB will brief DOE on roughly an annual basis to explain the plans, progress and results of the technical effort. The briefing shall also describe performance relative to project success criteria, milestones, and the Go/No-Go Decision points that are documented in the Project Management Plan (PMP).

**Subtask 1.5 – Workforce Development**

EPB will be sponsoring scholarships for 30 students to participate in electrical and communication linemen training programs at the Southeast Lineman Training Center. EPB will develop an Information Technology apprenticeship program at Chattanooga State Community College for up to 15 students. EPB will develop a workforce development application to provide resources and information for our local community relevant to personal career goals.

**Task 2.0 MG – Implement six microgrids:**

- **Subtask 2.1:** Prepare preliminary design: This task will include the determination of the optimum point of interconnection for each MG. These POI's will utilize existing automated switches that can be opened to isolate the radial section of the feeder from the EPB grid when needed. The peak load will be determined in order to properly select the energy storage system size. The number of customers and their reliability history will be reviewed to estimate benefits of each new MG.
- **Subtask 2.2:** Acquire battery site: This will involve a review of the area near the end of the feeder to identify candidate locations (some of which have already been determined). Then discussions with property owners will take place to determine their willingness to sell or lease property for the battery system. Discussion with customers in the vicinity of the site will also take place to ensure their support. We will utilize a civil engineering firm to assess each candidate site for environmental impact and prepare a site plan. Once a site has been selected, EPB will negotiate with the property owner to purchase or lease the property, obtain EPB board approval and execute the purchase agreement. No grant funding will be utilized for the property purchase or lease.
- **Subtask 2.3:** Battery Purchase: In parallel with the site acquisition process, EPB will initiate the battery purchase process – either through a new “Request for Proposals” (RFP) process or an evaluation of batteries previously bid. We will select the battery vendor to provide the battery systems for each site.

- **Subtask 2.4:** Site Preparation: EPB will utilize a civil engineering contractor to provide the site clearing and grading plan. The outcome of this effort will be the bid documents for a general contractor to prepare the site for construction. In addition, EPB will select a contractor to install the necessary conduits and pour concrete pads for each site.
- **Subtask 2.5:** Battery Installation: The batteries will be delivered to each site and installed on concrete pads. Secondary cables will be installed from each battery to a disconnect switch and then to step-up transformers. Primary cable will be installed from the transformers to the point of interconnection for each site.
- **Subtask 2.6:** Battery Commissioning: Once the electrical interconnect is complete, EPB will install communication and control equipment for each site. This will include protective relays, SCADA communications and a battery site controller. All of this equipment will be tested to ensure that the battery can be monitored and controlled remotely.
- **Subtask 2.7:** Microgrid Testing: When the communication and controls are complete, EPB will install and test the MG Controller for each site and ensure integration with our SCADA system.

**Task 3.0: UG Conversion – Convert 268 OH circuits to UG:**

- **Subtask 3.1:** Work Order Design: For each location, an assessment will be conducted to determine any project requirements including tree trimming. Next, a work order will be constructed to assess labor and materials necessary for job completion. Lastly, affected customers will be notified. EPB's priorities during this project include: 1) furthering efforts to create diversity within the workplace. 2) creating additional opportunities for minority groups in the workforce. 3) provide as much information as possible to customers in relation to both technical and societal benefits. To accomplish these goals, EPB plans to begin the process with written communication by email or letter to all customers within the area of construction. The official letter will introduce the project team utilizing photos of each member along with a Field Service Project Manager as a secure point of contact for customers to reach out. EPB is committed to utilizing project roles as workforce development opportunity for diversity efforts in our community. At this time the customers will also be offered the opportunity to pay for the service conductor to their house to be converted to UG. If the customer chooses to have their service conductor converted, this will be incorporated into the work order, but the costs for the service conversion will not be included in the funding reimbursement of the grant. When each work order/design is completed, it will be reviewed/approved by the manager of distribution design. Then the job will be released to Construction.
- **Subtask 3.2:** Excavation & Construction: For each job site, a construction supervisor will review the design, visit the site and determine whether or not any tree trimming is required or special equipment or material is needed for the work. The construction supervisor will then assign the job to an excavation crew to begin. The contract excavation crew will dig the trench from the fuse location to each of the new

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transformer locations. Conduit and transformer pads will be installed as required. When this work is complete, the EPB crew will install a riser at the fuse pole, then pull cable between the transformer pads and install the transformers. Secondary cable will be installed from the transformer to the existing OH service, but left disconnected. When all of the transformers and cable installations are complete, the primary cable will be energized.

- **Subtask 3.3:** Transition from OH to UG at site: EPB will contact the customers to notify them of the schedule for their conversion. On the day of the conversion, EPB crews will de-energize the “old” OH facilities and the “new” UG facilities and connect each service conductor to the new UG secondary cable. Finally, the UG primary cable will be energized and all customers will be served by the new UG primary cable. When this work is complete, the de-energized OH facilities (conductor and transformers) will be removed. Updates to all maps and records will be completed and the accounting for the new facilities will be completed.

#### **Task 4.0: Pole Replacement:**

- **Subtask 4.1:** Work Order Design: For each location, a designer will visit the site and conduct an assessment to determine the work to be performed at each location. Next a work order will be created and a design will be prepared to include the labor and materials. When each work order/design is completed, it will be reviewed/approved by the manager of distribution design. Then the job will be released to Construction to complete the job.
- **Subtask 4.2:** Construction: For each location, a supervisor will review the design and possibly visit the site to plan for construction. The supervisor will determine whether or not a traffic control contractor is required for the job and then assign the job to a crew. The crew will load the appropriate pole for replacement, travel to the site and complete the pole replacement. The crew will then transfer facilities from the old pole to the new pole. The old pole will be transported to EPB’s recycle bin for disposal.
- **Subtask 4.3:** Job Completion: The crew will note any modifications to the design based on field conditions and submit the “as-built” drawings to our Maps & Records department. Maps & Records CAD technician will update material inventory records and make any changes to maps that are necessary. Finally, the work order closeout process will update accounting records to reflect the asset replacement.

#### **D. DELIVERABLES**

### **Subtask 1.1: Project Management Plan**

EPB will prepare a project management plan to include each of the milestones associated with each of the three components (Microgrids, UG conversion, Pole Replacement) as well as the go/no-go decision points. This project management plan will be submitted to DOE on an annual basis or at other frequency as requested.

In addition, EPB will provide an annual status report of the progress toward the milestones associated with workforce development, minority & women owned business support and Diversity/Equity/Inclusion training.

### **Subtask 1.3 – Cybersecurity Plan**

Cybersecurity Plan is not required for Topic Area 1

### **Subtask 1.4 – Pre-Continuation Briefing Document(s)**

In addition to the deliverables listed above, EPB shall submit all periodic, topical, final, and other reports in accordance with the Federal Assistance Reporting Checklist and accompanying instructions.

## **E. BRIEFINGS/TECHNICAL PRESENTATIONS**

EPB shall prepare, and present periodic briefings, technical presentations and demonstrations as requested by the Federal Project Officer, which may be held at a DOE or EPB's facility, other mutually agreeable location, or via webinar. Such meetings may include all or a combination of the following:

**Kickoff Briefing** - Not more than 30 days after submission of the Project Management Plan, EPB shall prepare and present a project summary briefing as part of a Project Kickoff Meeting.

**Pre-Continuation Briefing** - Not less than 90 days prior to the planned start of a budget period, EPB shall brief the DOE on the results to date, and their plans for the subsequent periods of work. The DOE will consider the information from this briefing, as well as the content of deliverables submitted to date, prior to authorizing continuing the project.

**Final Project Briefing** - Not less than 30 days prior to the end of the project, EPB shall prepare and present a Final Project Briefing on the results and accomplishments of the entire project.

**Other Briefings** – EPB shall prepare and present technical, financial, and/or administrative briefings as requested by the DOE. Additionally, the DOE may require EPB to make technical presentations at national and/or industry conferences.



**City of Chattanooga**  
**Mayor Tim Kelly**

April 4, 2022

The Honorable Jennifer Granholm, Secretary  
U.S. Department of Energy 1000  
Independence Ave. SW Washington,  
DC 20585

Dear Secretary Granholm,

I am writing to express my support for the Electric Power Board's (EPB's) Grid Resilience and Innovation Partnerships (GRIP) application for Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids. EPB has long pushed the boundaries of what a municipal electric utility can do for a community, and Chattanooga wouldn't be the great city it is today without them.

We have a long history of successful partnerships, including the installation of a 3 MW solar array and microgrid at the Chattanooga municipal airport, the creation of a microgrid at the Chattanooga-Hamilton County public safety center, and the forthcoming integrated, smart transportation management system for electric vehicles funded through a USDOT Advanced Transportation and Congestion Management Technologies Deployment Program grant. EPB has also partnered closely with the City of Chattanooga in funding and implementation of the Home Energy Uplift program, providing deep energy retrofits to low income homeowners and renters with high energy burdens.

This GRIP proposal also aligns with the City of Chattanooga's recently adopted Climate Action Plan. With ambitious goals for decarbonization, waste reduction, natural resource preservation, and strengthening the local green economy, the Climate Action Plan charts an equitable path toward a more sustainable, resilient Chattanooga in the face of the changing climate and economy. EPB previously partnered with the funding and execution of a Regional Resilience Report that provided much of the foundation of the Climate Action Plan.

If EPB's is selected for funding by the Department of Energy, the City of Chattanooga commits to obtaining and utilizing the resiliency, efficiency, and community results generated from EPB's successful project. I am confident that this proposal firmly aligns with the values and goals of the GRIP program, and I strongly urge you to fund this proposal so that we can continue our work with EPB to strengthen Chattanooga and improve the lives of all Chattanoogaans.

Sincerely,

Mayor Tim Kelly

*Thanks for  
all you do!*

## POWER SUPPLY COMPANY, LLC

Power Supply Company is a local stocking distributor for EPB. The owners John Kosky and Rob Jenkins have about 75 years of experience working with EPB. As a supplier of line construction material our employees are not directly responsible for working on the energized lines. But, when delivery is made to the job site our employees are very familiar with all safety protocols and are fully insured by our company and its liability insurance.

We have 15 employees and 3 full time drivers. Our fleet includes 4 flatbed trucks. One serving as a backup when one truck is in the shop for maintenance. We have been a primary supplier to EPB for its conduit and conductor needs for 24 years.

The contract is suggesting about 100,000' per year. I suggest in the beginning to ship 25,000' directly to EPB and 25,000' to our stock in Chattanooga. The balance would ship to Power Supply stock in 25,000' increments per quarter. This material would be available on demand and for immediate delivery to job site. The amount of local stock available is open for discussion to better suit the needs of EPB.

EPB currently uses the manufacturers available for this material. The conductor is CME and/or Southwire. The HDPE is Duraline and/or Blue Diamond.

I am offering a price of \$5.80/ft

The price would be adjusted based on the month of the quarterly shipments.

Specifically, the Current Price on the conductor will be calculated according to the following formula:

$$CP = IP + \{(NCP - ICP) * CC\} + \{(NAP - IAP) * AC\}$$

where:

CP is the Current Price for an item in \$/1000 ft;

IP is the Initial Price (Bid Price) for the same item in \$/1000 ft;

NCP is the New Copper Price published on the last business day of

.. the preceding calendar quarter in\$/lb;

ICP is the Initial Copper Price listed on the bid forms in\$/lb;

CC is the Copper Content inlb/1000 ft as provided by bidder on the bid forms;

. NAP is the New Aluminum Price published on the last business day of the preceding calendar quarter in \$/lb

,IAP is the Initial Aluminum Price listed on the bid forms in \$/lb; and,

AC is the Aluminum Content in lb/1000 ft as provided by the bidder on the bid forms.

The HDPE is based on the RESIN PNI index.

Current base for the price above.

ALUMINUM 1.38961/LB PER PLATTS PUBLISHED MONTHLY (IAP)

COPPER 4.08827/LB PER PLATTS (ICP)

PNI .69/LB



From: Lynda Miller <lynda.miller@gresco.com>  
 Sent: Friday, March 31, 2023 3:02 PM  
 To: Snider, Edith <Sniderea@epb.net>  
 Cc: Van Bonin <van.bonin@gresco.com>; Jason Champion <jason.champion@gresco.com>  
 Subject: RE: RFI #15781 and #15780 Estimates Needed

Good afternoon, Edith,  
 I hope this information helps – these are budgetary numbers only and will be adjusted the quarter prior to delivery. The cable in conduit will be adjusted based on the metals and resin index but these should give you somewhere to start. If this becomes a formal RFQ we will update as needed at that time. Let me know if you have any questions.

Have a Great Weekend!!

From: Snider, Edith <Sniderea@epb.net>  
 Sent: Thursday, March 30, 2023 5:19 PM  
 To: Van Bonin <van.bonin@gresco.com>; Lynda Miller <lynda.miller@gresco.com>; Jason Champion <jason.champion@gresco.com>  
 Subject: RFI #15781 and #15780 Estimates Needed

CAUTION: THIS EMAIL IS NOT FROM GRESCO

I've just sent this out to some responders to get an idea of \$\$. . .

He there! Can GRESCO give us some kind of estimated pricing / leadtime if this project was awarded today.

1. If EPB is awarded the grant for this underground conversion, we estimate that we will need to purchase approximately 95 miles (500,000 ft.) of 1/0 Aluminum Cable in conduit Budgetary cost of cable in conduit 12.25' to be adjusted based on metals and resin index @time of order

2 Single Phase Pad    25's 5600.00    37.5's 6095.00    50's 6250.00    to be divided into monthly shipments

Year	25kva	37.5kva	50kva	Total
1	120	240	120	480
2	120	240	120	480
3	120	240	120	480
4	120	240	120	480
5	120	240	120	480
<b>Total</b>	600	1200	600	2400

U.S. DEPARTMENT OF ENERGY

**ENVIRONMENTAL QUESTIONNAIRE**

**I. INSTRUCTIONS**

The proposer shall prepare this Environmental Questionnaire (EQ) as accurately and completely as possible. Supporting information can be provided as attachments. The proposer must identify the location of the project and specifically describe the activities that would occur at that location. The proposer must provide specific information and quantities, regarding air emissions, wastewater discharges, solid wastes, etc., to facilitate the necessary review. In addition, the proposer must submit with this EQ a FINAL copy of the project's statement of work (SOW) or statement of project objective (SOPO) that will be used in the contract/agreement between the proposer and the U.S Department of Energy (DOE).

**II. QUESTIONNAIRE**

**A. PROJECT SUMMARY**

1. Solicitation/Project Number: DE-FOA-0002740 Proposer: Daniel Crawley - EPB of Chattanooga
2. This Environmental Questionnaire pertains to a:  Recipient or Prime Contractor  Sub-recipient or Subcontractor
3. Principal Investigator: EPB of Chattanooga Telephone Number: 423-648-1372
4. Project Title: EPB Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids
5. Expected Project Duration: 60 Months
6. Location of Activities covered by this Environmental Questionnaire: (City/Township, County, State):  
Chattanooga, Hamilton County, Tennessee
7. List the full scope of activities planned (only for the location that is the subject of this Environmental Questionnaire).  
This application will allow EPB to accelerate its current efforts in reliability and resiliency in three areas: 1) six new microgrids, 2) convert 208 fused lateral circuits from overhead to underground, and 3) complete a backlog of 1,338 poles that need to be replaced based upon recent inspections.
8. List all other locations where work would be performed by the primary contractor of the project and subcontractor(s). Each of the following must have an individual Environmental Questionnaire.

Subcontractor or sub-recipient	Location of activities for this project

9. Identify and select the checkbox with the predominant project work activities under Group A, B, or C

**Group A**

- Routine administrative, procurement, training, and personnel actions. Contract activities/awards for management support, financial assistance, and technical services in support of agency business, programs, projects, and goals. Literature searches and information gathering, material inventories, property surveys; data analysis, computer modeling, analytical reviews, technical summary, conceptual design, feasibility studies, document preparation, data dissemination, and paper studies. Technical assistance including financial planning, assistance, classroom training, public meetings, management training, survey participation, academic contribution, technical consultation, and stakeholders surveys. Workshop and conference planning, preparation, and implementation which may involve promoting energy efficiency, renewable energy, and energy conservation.

**STOP!** If all work activities related to this project can be classified and described within categories under Group A, proceed directly to Section III CERTIFICATION BY PROPOSER. No additional information is required. If project work activities are described in either Group(s) B or C; then continue filling out questionnaire.

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

Group B

- Laboratory Scale Research, Bench Scale Research, Pilot Scale Research, Proof-of-Concept Scale Research, or Field Test Research. Work **DOES NOT** involve new building/facilities construction and site excavation/groundbreaking activities. This work typically involves routine operation of existing laboratories, commercial buildings/properties, offices and homes, project test facilities, factories/power plants, vehicles test stands and components, refueling facilities, utility systems, or other existing structures/facilities. Work will **NOT** involve major change in facilities missions and operations, land use planning, new/modified regulatory/operating permit requirements. Includes work specific to routine DOE Site operations and Lab research work activities, but **NOT** building construction and site preparation. DOE work typically involves laboratory facilities and lab equipment operations, buildings and grounds management activities; and buildings and facilities maintenance, repairs, reconfiguration, remodeling, equipment use and replacement.

Group C

- Pilot Test Facilities Construction, Pilot Scale Research, Field Scale Demonstration, or Commercial Scale Application. Work typically involves facility construction, site preparation/excavation/groundbreaking, and/or demolition. This work would include construction, retrofit, replacement, and/or major modifications of laboratories, test facilities, energy system prototypes, and power generation infrastructure. Work may also involve construction and maintenance of utilities system right-of-ways, roads, vehicle test facilities, commercial buildings/properties, fuel refinery/mixing facilities, refueling facility, power plants, underground wells, and pipelines, and other types of energy research related facilities. This work may require new or modified regulatory permits, environmental sampling and monitoring requirements, master planning, public involvement, and environmental impact review. Includes work specific to DOE Site Operations and Lab operation activities involving building and facilities construction, replacement, decommissioning/demolition, site preparation, land use changes, or change in research facilities mission or operations.

**B. PROPOSED PROJECT ALTERNATIVES**

1. If applicable, list any project alternatives considered to achieve the project objectives.  
No project alternatives.

**C. PROJECT LOCATION**

1. Provide a brief description of the project location (physical location, surrounding area, adjacent structures).  
The project will take place in a variety of locations with a focus on remote locations or our service territory for which there is no alternate circuit available for restoration.
2. **Attach** a project site location map of the project work area.  
Please find the map attached at the end of this document.

**D. ENVIRONMENTAL IMPACTS**

NEPA procedures require evaluations of possible effects (including land use, energy resource use, natural, historic and cultural resources, and pollutants) from proposed projects on the environment.

1. **Land Use**

- a. Characterize present land use where the proposed project would be located.

- |  |  |   |  |
|--|--|---|--|
| <input checked="" type="checkbox"/> Urban    | <input type="checkbox"/> Industrial        | <input checked="" type="checkbox"/> Commercial  | <input type="checkbox"/> Agricultural        |
| <input checked="" type="checkbox"/> Suburban | <input checked="" type="checkbox"/> Rural  | <input checked="" type="checkbox"/> Residential | <input type="checkbox"/> Research Facilities |
| <input type="checkbox"/> Forest              | <input type="checkbox"/> University Campus | <input type="checkbox"/> Other:                 | _____  |

- b. Identify the total size of the facility, structure, or system and what portion would be used for the proposed project.  
The project will use existing land for six 2.5 megawatt batteries. EPB has developed specifications to submit to battery vendors requesting proposals for each. The other four sites will require site determination and property acquisition. The property purchase/leases would not utilize grant funding.

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

- c. Describe planned construction, installation, and/or demolition activities, i.e., roads, utilities system right-of-ways, parking lots, buildings, laboratories, storage tanks, fueling facilities, underground wells, pipelines, or other structures.

No construction would be anticipated for this project.

Installation of 101 miles of OH to UG lines will require some form of construction. The large number of areas and broad distribution make it unfeasible to provide description of targeted segments. However, all parties responsible for effected areas will be contacted.

- d. Describe how land use would be affected by operational activities associated with the proposed project.

No land areas would be affected.

The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground.

- e. Describe any plans to reclaim areas that would be affected by the proposed project.

No land areas would be affected.

Once the project is completed, EPB plans to mitigate the effected by planting trees and allow vegetation to re grow in effected areas.

- f. Would the proposed project affect any unique or unusual landforms (e.g., cliffs, waterfalls, etc.)?

No  Yes (describe)

The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the Tennessee Department of Environmental Conservation on similar projects.

- g. Would the proposed project be located in or near local, state, or federal parks; forests; monuments; scenic waterways; wilderness; recreation facilities; or tribal lands?  No  Yes (describe)

The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the U.S. Fish and Wildlife services on similar projects.

2. Construction Activities and/or Operation

- a. Identify project structure(s), power line(s), pipeline(s), utilities system(s), right-of-way(s) or road(s) that will be constructed and clearly mark them on a project site map or topographic map as appropriate.  None

All impacted locations are referenced in the project map.

- b. Would the proposed project require the construction of waste pits or settling ponds?

No  Yes (describe and identify location, and estimate surface area disturbed)

The project area will not have any onsite waste disposal.

- c. Would the proposed project affect any existing body of water?  No  Yes (describe)

- d. Would the proposed project impact a floodplain or wetland?  No  Yes (describe)

- e. Would the proposed project potentially cause runoff/sedimentation/erosion?  No  Yes (describe)

- f. Would the proposed project include activities located on perma-frost, near fault zones, or involve fracturing, well drilling, geologic stimulation, sequestration, active seismic data collection, and/or deepwater operations?

No  Yes (describe)

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

- g. Would the proposed project involve any of the following: nanotechnology; recombinant DNA or genetic engineering; facility decommissioning or disposition of equipment/materials; or management of radioactive wastes/materials?  
 No  Yes (describe)

3. Biological Resources

- a. Identify any State or Federally listed endangered or threatened plant or animal species potentially affected by the proposed project.  
 None

- b. Would any designated critical habitat be affected by the proposed project?  No  Yes (describe)  
The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the U.S. Fish and Wildlife services on similar projects.

- c. Describe any impacts that construction would have on any other types of sensitive or unique habitats.  
 No planned construction  No habitats  None  Impact (describe)  
The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the U.S. Fish and Wildlife services on similar projects.

- d. Would any foreign substances/materials be introduced into ground or surface waters, soil, or other earth/geologic resource because of project activities? How would these foreign substances/materials affect the water, soil, biota, and geologic resources?  No  Yes (describe)  
The projects proposed are part of an existing distribution network. The large number of impacted areas make it unfeasible to provide this description. EPB has contacted and received letters of support from the U.S. Army Corps of Engineers on similar projects.

- e. Would any migratory animal corridors be impacted or disrupted by the proposed project?  No  Yes (describe)

4. Socioeconomic and Infrastructure Conditions

- a. Would local socio-economic changes result from the proposed project?  No  Yes (describe)  
Reliable access to our services will result in a more consistent environment for residents and the large workforce Chattanooga holds. The local economy will thrive, and residents in DAC areas will have more socio-economic opportunities.

- b. Would the proposed project generate increased traffic use of roads through local neighborhoods, urban or rural areas?  No  Yes (describe)  
Additional traffic may occur. To mitigate this challenge EPB will maintain consistent communication and transparency with the public pertaining additional traffic in project areas.

- c. Would the proposed project require new transportation access (roads, rail, etc.)? Describe location, impacts, costs.  
 No  Yes (describe)

- d. Would the proposed project create a significant increase in local energy usage?  No  Yes (describe)

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

5. Historical/Cultural Resources

- a. Describe any historical, archaeological, or cultural sites in the vicinity of the proposed project; note any sites included on the National Register of Historic Places.  None

The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the State Historical Preservation Office on similar projects.

- b. Would construction or operational activities planned under the proposed project disturb any historical, archaeological, or cultural sites?  No planned construction  No historic sites  Yes (describe)  No Impact (discuss)

The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the State Historical Preservation Office on similar projects.

- c. Has the State Historic Preservation Office been contacted with regard to this project?  No  Yes (describe)

The projects proposed are part of an existing electric and communications distribution network that has previously disturbed ground. EPB has contacted and received letters of support from the State Historical Preservation Office on similar projects.

- d. Would the proposed project interfere with visual resources (e.g., eliminate scenic views) or alter the present landscape?  No  Yes (describe)

- e. Would the proposed project be located on or adjacent to tribal lands, lands considered to be sacred, or lands used for traditional purposes? Describe any known tribal sensitivities for the proposed project area.

The projects proposed are part of an existing distribution network that has previously disturbed ground. They do not disrupt any tribal or traditional lands.

6. Atmospheric Conditions/Air Quality

- a. Identify air quality conditions in the immediate vicinity of the proposed project with regard to attainment of National Ambient Air Quality Standards (NAAQS). This information is available under the Green Book Non-Attainment Areas for Criteria Pollutants located at <http://www.epa.gov/air/oagps/greenbk/astate.html>

	Attainment	Non-Attainment
O <sub>3</sub> - 1 Hour	<input checked="" type="checkbox"/>	<input type="checkbox"/>
O <sub>3</sub> - 8 Hour	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SO <sub>x</sub>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PM - 2.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PM - 10	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CO	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NO <sub>2</sub>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lead	<input checked="" type="checkbox"/>	<input type="checkbox"/>

- b. Would proposed project require issuance of new or modified local, state, or federal air permits to perform project related work and activities?  No  Yes (describe)

- c. Would the proposed project be in compliance with local and state air quality requirements?  Yes  
 If not, please explain.

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

- d. Would the proposed project be classified as either a New Source or a major modification to an existing source?  
 No  Yes (describe)

The Proposed project includes major modifications to power lines, polls, and microgrids. These modifications will be applied to an existing electric and communications distribution network that has previously disturbed ground.

- e. What types of air emissions, including fugitive emissions, would be anticipated from the proposed project, and what would be the maximum annual rate of emissions for the project?

	Maximum per Year	Total for Project
<input type="checkbox"/> SO <sub>x</sub>		
<input type="checkbox"/> NO <sub>x</sub>		
<input type="checkbox"/> PM - 2.5		
<input type="checkbox"/> PM - 10		
<input type="checkbox"/> CO		
<input checked="" type="checkbox"/> CO <sub>2</sub>	1.5kg/mile	
<input type="checkbox"/> Lead		
<input type="checkbox"/> H <sub>2</sub> S		
<input type="checkbox"/> Organic solvent vapors or other volatile organic compounds--List:		
<input type="checkbox"/> Hazardous air pollutants -- List:		
<input type="checkbox"/> Other -- List:		
<input type="checkbox"/> None		

- f. Would any types of emission control or particulate collection devices be used?  
 No  Yes (describe, including collection efficiencies)

- g. How would emissions be vented?

The proposed projects will not emit enough emissions to justify venting. All EPB equipment passes the Hamilton County emissions standards required to receive a vehicle title. EPB also uses equipment with electric buckets attached to the trucks to mitigate emissions.

7. Hydrologic Conditions/Water Quality

- a. What nearby water bodies may be affected by the proposed project? Provide distance(s) from the project site.

The projects proposed are part of an existing distribution network. The large number of impacted areas make it unfeasible to provide this description. EPB has contacted and received letters of support from the U.S. Army Corps of Engineers on similar projects.

- b. What sources would supply potable and process water for the proposed project?

No water will be contaminated during the proposed project.

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

c. Quantify the wastewater that would be generated by the proposed project.

	Gallons/day	Gallons/year
<input type="checkbox"/> Non-contact cooling water		
<input type="checkbox"/> Process water		
<input type="checkbox"/> Sanitary		
<input type="checkbox"/> Other -- describe:		
<input checked="" type="checkbox"/> None		

d. What would be the major components of each type of wastewater (e.g., coal fines)?  No wastewater produced  
 No water will be contaminated during the proposed project.

e. Identify the local treatment facility that would receive wastewater from the proposed project.  
 No discharges to local treatment facility  
 No water will be contaminated during the proposed project.

f. Describe how wastewater would be collected and treated.  No wastewater produced

g. Would any run-off or leachates be produced from storage piles or waste disposal sites?  No  Yes (describe source)

h. Would project require issuance of new or modified water permits to perform project work or site development activities?  
 No  Yes (describe)

i. Where would wastewater effluents from the proposed project be discharged?  No wastewater produced

j. Would the proposed project be permitted to discharge effluents into an existing body of water?  
 No  Yes (describe water use and effluent impact)

k. Would a new or modified National Pollutant Discharge Elimination System (NPDES) permit be required?  
 No  Yes (describe)

l. Would the proposed project adversely affect the quality or movement of groundwater?  No  Yes (describe)  
 EFB has contacted U.S. Fish and Wildlife services on similar projects and will reach out before construction to ensure quality and movement of ground water will not have a negative impact on surrounding areas.



U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

- m. Would the proposed project require issuance of an Underground Injection Control (UIC) permit?  
 No  Yes (describe)

- n. Would the proposed project be located in or near a wellhead protection area, drinking water protection area, or above a sole source aquifer or underground source of drinking water (USDW)?  
 No  Yes (describe)

EPB has contacted U.S. Fish and Wildlife services on similar projects and will reach out before construction to ensure the proposed project will not have a negative impact on the quality of water/ drinking water in surrounding areas.

8. Solid and Hazardous Wastes

- a. Identify and estimate wastes that would be generated from the project. Solid wastes are defined as any solid, liquid, semi-solid, or contained gaseous material that is discarded, has served its intended purpose, or is a manufacturing or mining by-product (See EPA Municipal Solid Waste and Municipal Solid Waste by State).

	Annual Quantity
<input type="checkbox"/> Municipal solid waste (e.g., paper, plastic, etc.)	
<input type="checkbox"/> Coal or coal by-products	
<input type="checkbox"/> Other -- Identify:	
<input type="checkbox"/> Hazardous waste -- Identify:	
<input checked="" type="checkbox"/> None	

- b. Would project require issuance of new or modified solid waste and/or hazardous waste related permits to perform project work activities?  No  Yes (explain)

- c. How and where would solid waste disposal be accomplished?

- None generated  
 On-site (identify and describe location)  
 Off-site (identify location and describe facility and treatment)

EPB has not yet identified a location or facility to dispose of project waste. The proposed project areas offer a wide variety of waste/recycle facilities that align with TN Department of Environment and Conservation that can be utilized.

- d. How would wastes for disposal be transported?

EPB has not identified how the transportation of waste will be carried out. The proposed project areas offer a wide variety of waste/recycle facilities that align with TN Department of Environment and Conservation that can be utilized.

- e. Describe hazardous wastes that would be generated, treated, handled, or stored under this project. Hazardous waste information can be found at EPA Hazardous Waste website.  None

EPB has not identified how the transportation of waste will be carried out. The proposed project areas offer a wide variety of waste/recycle facilities that align with TN Department of Environment and Conservation that can be utilized.

- f. How would hazardous or toxic waste be collected and stored?  None used or produced

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

- g. If hazardous wastes would require off-site disposal, have arrangements been made with a certified TSD (Treatment, Storage, and Disposal) facility?

Not required  Arrangements not yet made  Arrangements made with a certified TSD facility (identify)

Given the amount of locations identified for work, EPB will conduct and determine all off-site disposals on an as needed basis taking into consideration location and proximity.

9. Health/Safety Factors

- a. Identify hazardous or toxic materials that would be used in the proposed project.

None  Hazardous or toxic materials that would be used (identify):

- b. Describe the potential impacts of this project's hazardous materials on human health and the environment

None

- c. Would there be any special physical hazards or health risks associated with the project?  No  Yes (describe)

- d. Does a worker safety program exist at the location of the proposed project?  No  Yes (describe)

EPB offers a variety of safety programs in person and through Microsoft 365 training. Programs can be modified to fit the needs of the proposed project.

- e. Would additional safety training be necessary for any new laboratory, equipment, or processes involved with the project?

No  Yes (describe)

EPB offers safety training in person and through Microsoft 365 training. Programs can be modified to fit the needs of the proposed project. Additional training will be available for those on the project including EPB standard PPE usage and equipment safety training.

- f. Describe any increases in ambient noise levels to the public from construction and operational activities.

None  Increase in ambient noise level (describe)

EPB will maintain consistent communication and transparency with the public pertaining to potential increase in noise levels. EPB will identify any complaints from the public and resolve them in the best way applicable.

- g. Would project construction result in the removal of natural or other barriers that act as noise screens?

No construction planned  No  Yes (describe)

The projects proposed will require the removal of trees and vegetation. Once the project is completed EPB plans to mitigate the noise by planting trees and allow vegetation to re grow in effected areas.

- h. Would hearing protection be required for workers?  No  Yes (describe)

EPB will require hearing PPE along with other necessary PPE for a safe working environment.

10. Environmental Restoration and/or Waste Management

- a. Would the proposed project include CERCLA removals or similar actions under RCRA or other authorities?

No  Yes (describe)

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

b. Would the proposed project include siting, construction, and operation of temporary pilot-scale waste collection and treatment facilities or pilot-scale waste stabilization and containment facilities?  No  Yes (describe)

c. Would the proposed project involve operations of environmental monitoring and control systems?  
 No  Yes (describe)

d. Would the proposed project involve siting, construction, operation, or decommissioning of a facility for storing packaged hazardous waste for 90 days or less?  No  Yes (describe)

E. REGULATORY COMPLIANCE

1. For the following laws, describe any existing permits, new or modified permits, manifests, responsible authorities or agencies, contacts, etc., that would be required for the proposed project

a. Resource Conservation and Recovery Act (RCRA):  None  New Required  Modification Required  
Describe:

b. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):  
 None  New Required  Modification Required  
Describe:

c. Toxic Substance Control Act (TSCA):  None  New Required  Modification Required  
Describe:

d. Clean Water Act (CWA):  None  New Required  Modification Required  
Describe:

e. Underground Storage Tank Control Program (UST):  None  New Required  Modification Required  
Describe:

f. Underground Injection Control Program (UIC):  None  New Required  Modification Required  
Describe:

g. Clean Air Act (CAA):  None  New Required  Modification Required  
Describe:

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

h. Endangered Species Act (ESA):  None  New Required  Modification Required  
Describe:

i. Floodplains and Wetlands Regulations:  None  New Required  Modification Required  
Describe:

j. Fish and Wildlife Coordination Act (FWCA):  None  New Required  Modification Required  
Describe:

k. National Historic Preservation Act (NHPA):  None  New Required  Modification Required  
Describe:

l. Coastal Zone Management Act (CZMA):  None  New Required  Modification Required  
Describe:

2. Identify any other environmental laws and regulations (Federal, state, and local) for which compliance would be necessary for this project, and describe the permits, manifests, and contacts that would be required.  
No other laws or regulations identified.

F. DESCRIBE ANY ISSUES THAT WOULD GENERATE PUBLIC CONTROVERSY REGARDING THE PROPOSED PROJECT.  None  
Issues may include commentary on what areas get undergrounded, noise complaints, or road closures.

G. WOULD THE PROPOSED PROJECT PRODUCE ADDITIONAL DEVELOPMENT, OR ARE OTHER MAJOR DEVELOPMENTS PLANNED OR UNDERWAY, IN THE PROJECT AREA?  
 No  Yes (describe)  
Major developments are underway in the project area. The proposed project will accelerate measured progress toward DOE Modern Grid, Build Back Better, and Grid Resilience and Innovation Partnership (GRIP) goals for electric system resilience and reliability improvement. As Chattanooga's development changes rapidly, it is becoming vital that the issues resolved by the proposed project are mitigated in a timely manner.

H. SUMMARIZE THE SIGNIFICANT IMPACTS THAT WOULD RESULT FROM THE PROPOSED PROJECT.  
 None (provide supporting detail)  Significant impacts (describe)  
Six new macrogrids will improve reliability and resiliency in remote areas near the edge of EPB's service territory. Converting lines from overhead to underground will reduce customer outages, restoration time and their associated costs. Completion of 1,338 poles that need to be replaced based upon recent inspections to ensure that our electric system facilities are up to current construction standards.

U.S. DEPARTMENT OF ENERGY

ENVIRONMENTAL QUESTIONNAIRE

I. PROVIDE A DESCRIPTION OF HOW THE PROJECT WOULD BE DECOMMISSIONED, INCLUDING THE DISPOSITION OF EQUIPMENT AND MATERIALS.

EPE will accomplish GRIP Area 1 Grid Resilience goals by undergrounding vulnerable power and fiber optic communication lines, deploy long duration battery storage microgrids to electric circuits proven vulnerable to recurring outages, and replace power poles in poor condition.

III. CERTIFICATION BY PROPOSER

I hereby certify that the information provided herein is current, accurate, and complete as of the date shown immediately below.

Signature: 

Date (mm/dd/yyyy): 04/04/2023

Typed Name: Daniel Crawford

Title: Strategic Planning Supervisor

Organization: Electric Power Board of Chattanooga

IV. REVIEW AND APPROVAL BY DOE

I hereby certify that I have reviewed the information provided in this questionnaire, have determined that all questions have been appropriately answered, and judge the responses to be consistent with the efforts proposed.

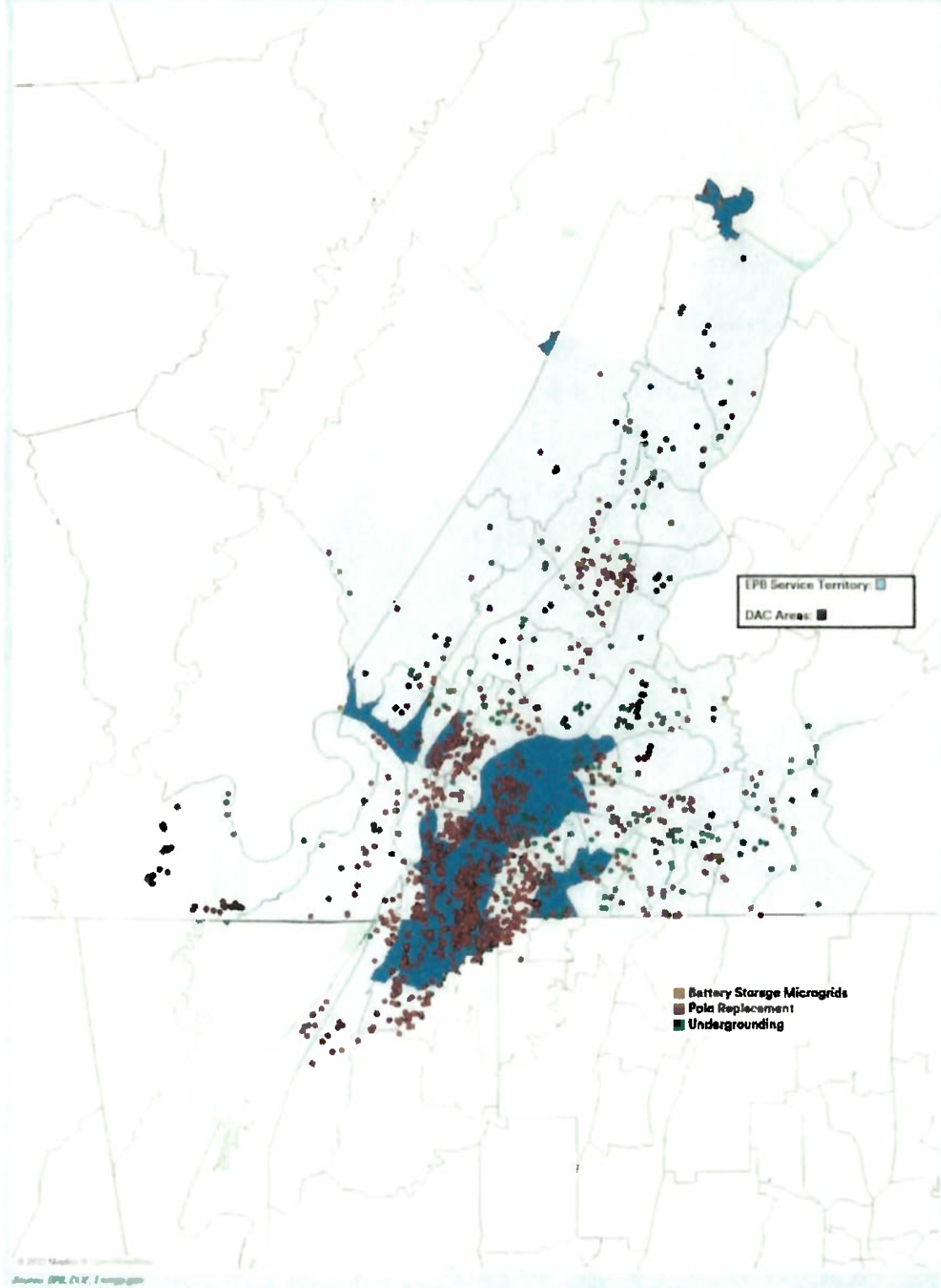
DOE Project Manager

Signature: \_\_\_\_\_

Date (mm/dd/yyyy): \_\_\_\_\_

Typed Name: \_\_\_\_\_

# DAC Areas & Potential Sites



## **Statement of Project Objectives (SOPO)**

### EPB Chattanooga Grid Resiliency Upgrades: Network Conversions and Microgrids

#### **A. OBJECTIVES**

- Six new Microgrids will be constructed to improve reliability and resiliency in remote areas near the edge of EPB's service territory
- Convert 268 fused lateral circuits from overhead to underground to reduce customer outages, restoration time and their associated costs
- Complete a backlog of 1338 poles that need to be replaced based upon recent inspections. This will improve reliability and improve system design in these areas.

#### **B. SCOPE OF WORK**

- For the six Microgrids, the scope will consist of \$23M in equipment purchases, 3800 labor hours of EPB personnel and 5400 contract labor hours to construct, test and commission the microgrids in 4.5 years.
- For the 268 Overhead circuits that will be converted to Underground, the scope will include \$27M of equipment purchases, 53,000 EPB labor hours 33,000 contract labor hours to complete the project in 5 years.
- For the 1338 poles to be replaced, the scope will consist of approximately \$800,000 of equipment purchases, 8000 EPB labor hours and 40,000 contract labor hours to complete the project in 2 years.

#### **C. TASKS TO BE PERFORMED**

##### **Task 1.0: Project Management & Planning**

###### **Subtask 1.1 – Project Management Plan (PMP)**

Within 30 days of award, EPB shall submit a Project Management Plan (PMP) to the designated Federal Project Officer (FPO). EPB shall not proceed beyond Task 1.0 until the PMP has been accepted by the FPO.

The PMP shall be revised and resubmitted as often as necessary, during the course of the project, to capture any major/significant changes to the planned approach, budget, key personnel, major resources, etc.

EPB shall manage and direct the project in accordance with the accepted PMP to meet all technical, schedule and budget objectives and requirements. EPB will coordinate activities to effectively accomplish the work. EPB will ensure that project plans, results, and decisions are appropriately documented, and that project reporting and briefing requirements are satisfied.

###### **Subtask 1.2 – National Environmental Policy Act (NEPA) Compliance**

EPB has prepared the environmental questionnaire and submitted with our application to ensure NEPA compliance

**Subtask 1.3 – Cybersecurity Plan (CSP)\***

Not applicable for Topic Area 1

**Subtask 1.4 – Continuation Briefing(s)**

EPB will brief DOE on roughly an annual basis to explain the plans, progress and results of the technical effort. The briefing shall also describe performance relative to project success criteria, milestones, and the Go/No-Go Decision points that are documented in the Project Management Plan (PMP).

**Subtask 1.5 – Workforce Development**

EPB will be sponsoring scholarships for 30 students to participate in electrical and communication linemen training programs at the Southeast Lineman Training Center. EPB will develop an Information Technology apprenticeship program at Chattanooga State Community College for up to 15 students. EPB will develop a workforce development application to provide resources and information for our local community relevant to personal career goals.

**Task 2.0 MG – Implement six microgrids:**

- **Subtask 2.1:** Prepare preliminary design: This task will include the determination of the optimum point of interconnection for each MG. These POI's will utilize existing automated switches that can be opened to isolate the radial section of the feeder from the EPB grid when needed. The peak load will be determined in order to properly select the energy storage system size. The number of customers and their reliability history will be reviewed to estimate benefits of each new MG.
- **Subtask 2.2:** Acquire battery site: This will involve a review of the area near the end of the feeder to identify candidate locations (some of which have already been determined). Then discussions with property owners will take place to determine their willingness to sell or lease property for the battery system. Discussion with customers in the vicinity of the site will also take place to ensure their support. We will utilize a civil engineering firm to assess each candidate site for environmental impact and prepare a site plan. Once a site has been selected, EPB will negotiate with the property owner to purchase or lease the property, obtain EPB board approval and execute the purchase agreement. No grant funding will be utilized for the property purchase or lease.
- **Subtask 2.3:** Battery Purchase: In parallel with the site acquisition process, EPB will initiate the battery purchase process – either through a new “Request for Proposals” (RFP) process or an evaluation of batteries previously bid. We will select the battery vendor to provide the battery systems for each site.



- **Subtask 2.4:** Site Preparation: EPB will utilize a civil engineering contractor to provide the site clearing and grading plan. The outcome of this effort will be the bid documents for a general contractor to prepare the site for construction. In addition, EPB will select a contractor to install the necessary conduits and pour concrete pads for each site.
- **Subtask 2.5:** Battery Installation: The batteries will be delivered to each site and installed on concrete pads. Secondary cables will be installed from each battery to a disconnect switch and then to step-up transformers. Primary cable will be installed from the transformers to the point of interconnection for each site.
- **Subtask 2.6:** Battery Commissioning: Once the electrical interconnect is complete, EPB will install communication and control equipment for each site. This will include protective relays, SCADA communications and a battery site controller. All of this equipment will be tested to ensure that the battery can be monitored and controlled remotely.
- **Subtask 2.7:** Microgrid Testing: When the communication and controls are complete, EPB will install and test the MG Controller for each site and ensure integration with our SCADA system.

**Task 3.0: UG Conversion – Convert 268 OH circuits to UG:**

- **Subtask 3.1:** Work Order Design: For each location, an assessment will be conducted to determine any project requirements including tree trimming. Next, a work order will be constructed to assess labor and materials necessary for job completion. Lastly, affected customers will be notified. EPB's priorities during this project include: 1) furthering efforts to create diversity within the workplace. 2) creating additional opportunities for minority groups in the workforce. 3) provide as much information as possible to customers in relation to both technical and societal benefits. To accomplish these goals, EPB plans to begin the process with written communication by email or letter to all customers within the area of construction. The official letter will introduce the project team utilizing photos of each member along with a Field Service Project Manager as a secure point of contact for customers to reach out. EPB is committed to utilizing project roles as workforce development opportunity for diversity efforts in our community. At this time the customers will also be offered the opportunity to pay for the service conductor to their house to be converted to UG. If the customer chooses to have their service conductor converted, this will be incorporated into the work order, but the costs for the service conversion will not be included in the funding reimbursement of the grant. When each work order/design is completed, it will be reviewed/approved by the manager of distribution design. Then the job will be released to Construction.
- **Subtask 3.2:** Excavation & Construction: For each job site, a construction supervisor will review the design, visit the site and determine whether or not any tree trimming is required or special equipment or material is needed for the work. The construction supervisor will then assign the job to an excavation crew to begin. The contract excavation crew will dig the trench from the fuse location to each of the new

transformer locations. Conduit and transformer pads will be installed as required. When this work is complete, the EPB crew will install a riser at the fuse pole, then pull cable between the transformer pads and install the transformers. Secondary cable will be installed from the transformer to the existing OH service, but left disconnected. When all of the transformers and cable installations are complete, the primary cable will be energized.

- **Subtask 3.3:** Transition from OH to UG at site: EPB will contact the customers to notify them of the schedule for their conversion. On the day of the conversion, EPB crews will de-energize the “old” OH facilities and the “new” UG facilities and connect each service conductor to the new UG secondary cable. Finally, the UG primary cable will be energized and all customers will be served by the new UG primary cable. When this work is complete, the de-energized OH facilities (conductor and transformers) will be removed. Updates to all maps and records will be completed and the accounting for the new facilities will be completed.

#### **Task 4.0: Pole Replacement:**

- **Subtask 4.1:** Work Order Design: For each location, a designer will visit the site and conduct an assessment to determine the work to be performed at each location. Next a work order will be created and a design will be prepared to include the labor and materials. When each work order/design is completed, it will be reviewed/approved by the manager of distribution design. Then the job will be released to Construction to complete the job.
- **Subtask 4.2:** Construction: For each location, a supervisor will review the design and possibly visit the site to plan for construction. The supervisor will determine whether or not a traffic control contractor is required for the job and then assign the job to a crew. The crew will load the appropriate pole for replacement, travel to the site and complete the pole replacement. The crew will then transfer facilities from the old pole to the new pole. The old pole will be transported to EPB’s recycle bin for disposal.
- **Subtask 4.3:** Job Completion: The crew will note any modifications to the design based on field conditions and submit the “as-built” drawings to our Maps & Records department. Maps & Records CAD technician will update material inventory records and make any changes to maps that are necessary. Finally, the work order closeout process will update accounting records to reflect the asset replacement.

#### **D. DELIVERABLES**

### **Subtask 1.1: Project Management Plan**

EPB will prepare a project management plan to include each of the milestones associated with each of the three components (Microgrids, UG conversion, Pole Replacement) as well as the go/no-go decision points. This project management plan will be submitted to DOE on an annual basis or at other frequency as requested.

In addition, EPB will provide an annual status report of the progress toward the milestones associated with workforce development, minority & women owned business support and Diversity/Equity/Inclusion training.

### **Subtask 1.3 – Cybersecurity Plan**

Cybersecurity Plan is not required for Topic Area 1

### **Subtask 1.4 – Pre-Continuation Briefing Document(s)**

In addition to the deliverables listed above, EPB shall submit all periodic, topical, final, and other reports in accordance with the Federal Assistance Reporting Checklist and accompanying instructions.

## **E. BRIEFINGS/TECHNICAL PRESENTATIONS**

EPB shall prepare, and present periodic briefings, technical presentations and demonstrations as requested by the Federal Project Officer, which may be held at a DOE or EPB's facility, other mutually agreeable location, or via webinar. Such meetings may include all or a combination of the following:

**Kickoff Briefing** - Not more than 30 days after submission of the Project Management Plan, EPB shall prepare and present a project summary briefing as part of a Project Kickoff Meeting.

**Pre-Continuation Briefing** - Not less than 90 days prior to the planned start of a budget period, EPB shall brief the DOE on the results to date, and their plans for the subsequent periods of work. The DOE will consider the information from this briefing, as well as the content of deliverables submitted to date, prior to authorizing continuing the project.

**Final Project Briefing** - Not less than 30 days prior to the end of the project, EPB shall prepare and present a Final Project Briefing on the results and accomplishments of the entire project.

**Other Briefings** – EPB shall prepare and present technical, financial, and/or administrative briefings as requested by the DOE. Additionally, the DOE may require EPB to make technical presentations at national and/or industry conferences.