

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME BIG SANDY RECC

REPORT PREPARED BY _____ KIRBY CASTLE

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E-MAIL ADDRESS OF PREPARER _____

PHONE NUMBER OF PREPARER 606-791-5673

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT 2025

SECTION 3: MAJOR EVENT DAYS (MED)

TMED _____ 76.492

FIRST DATE USED TO DETERMINE January 1, 2025

LAST DATE USED TO DETERMINET December 31, 2025

NUMBER OF MED IN REPORT YEAR 2

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS 12,400 _____ TOTAL CIRCUITS 36

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Excluding MED			
	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	677.18	SAIDI	1138.0
SAIFI	3.95	SAIFI	4.91

Including MED			
	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	2392.00	SAIDI	1898.3
SAIFI	5.04	SAIFI	5.82

Notes:

- 1) All duration indices (SAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of May of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, and TMED

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SADI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT :

1. SUBSTATION NAME AND NUMBER
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
3. CIRCUIT NAME AND NUMBER
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
5. TOTAL CIRCUIT LENGTH (MILES)
6. CUSTOMER COUNT FOR THIS CIRCUIT

KENTUCKY PUBLIC SERVICE COMMISSION

- 7.. DATE OF LAST CIRCUIT TRIM (VM)
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE N NUMBERS REPRESENTED BY EACH CAUSE
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
10. REPORTING YEAR (SAIDI)
11. CIRCUIT 5 YEAR AVERAGE (SAFI)
12. REPORTING YEAR (SAIFI)
13. CORRECTIVE ACTION PLAN

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR
AVERAGE

FOR SAIDI AND/OR SAFI

SEE ATTACHMENTS

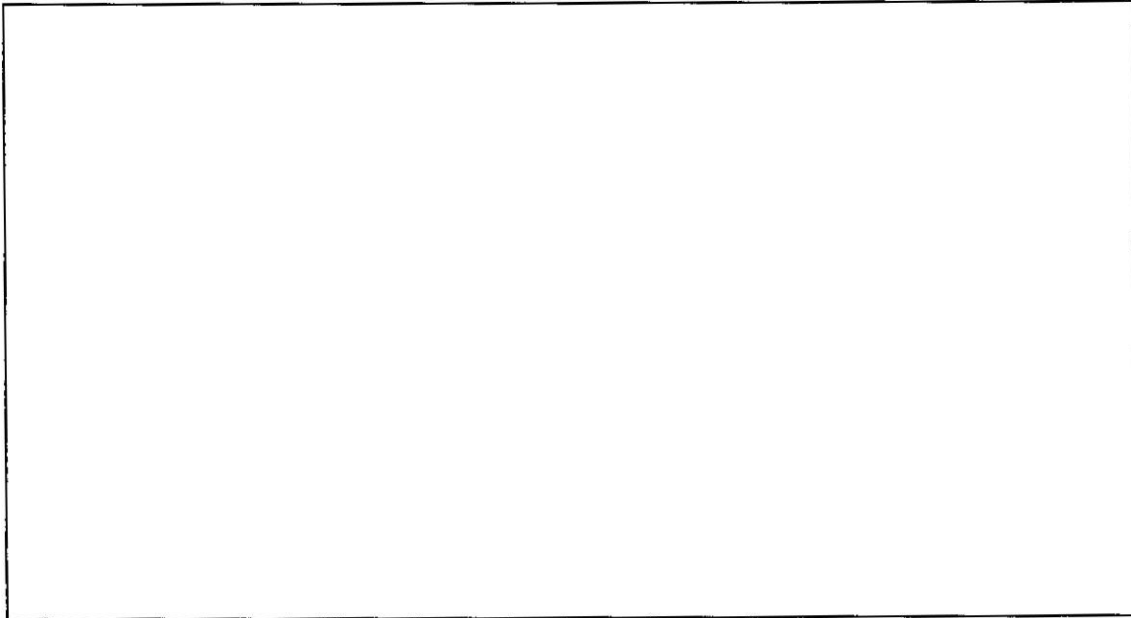
SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT
PLAN Additional page may be attached as needed.

SEE ATTACHMENTS:	ATTACHMENT A
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SECTION 7: UTILITY COMMENTS

A large, empty rectangular box with a thin black border, intended for entering utility comments. The box is positioned below the section header and occupies most of the upper half of the page. A small horizontal line is visible at the bottom right corner of the box.



BIG SANDY RECC 2024 REPORTING OUTAGE CAUSES FOR CIRCUIT AND PERCENTAGES

SAIDI/ SAIFI

Abbott #346	MILES-23 / MEMBERS-418	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Bonanza-Substation(Floyd County) Prestonsburg KY			2013	
SAIDI 1426.33 SAIFI 4.39				
Five Year Average: SAIDI 554.99 SAIFI 2.80				
Maintenance		55%		65
Unknown		12%		8
Animals		10%		7
Equipment – Design		7%		5
Other		4%		3

CORRECTIVE ACTION: We have now completed ROW work on this circuit in 2026.

BOONESCAMP #552	MILES-31/MEMBERS-331	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Martin Co Substation (Johnson County) Rt 40 Whitehouse KY			2014	
SAIDI 1733.92 SAIFI 6.47				
Five Year Average: SAIDI 741.52 SAIFI 3.20				
Maintenance		53%		43
Unknown		21%		21
Equipment/Design		7%		6
Weather		5%		4
Animals		5%		4

CORRECTIVE ACTION: ROW for this circuit is scheduled to be trimmed in 2026.

CALLOWAY #756	MILES-35/ MEMBERS-543	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Martin Co Substation (Johnson Co) Rt 40 Whitehouse KY			2021	
SAIDI 3247.49 SAIFI 4.87				
Five Year Average: SAIDI 1087.41 SAIFI 3.51				
Maintenance		55%		36
Unknown		18%	12	
Animals		17%	11	
CORRECTIVE ACTION: No action planned at this time.				

MILO #551	MILES-15/ MEMBERS294	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Martin Co Substation (Johnson Co) Rt 40 Whitehouse KY			2021	
SAIDI 1299.59 9 SAIFI 3.87				
Five Year Average: SAIDI 574.47 SAIFI 2.87				
Maintenance		26%		10
Unknown		21%	8	
Equipment/Design		16%	6	
Planned Outage		16%	6	
CORRECTIVE ACTION: No action planned at this time.				

TIGER MART #287	MILES-12/MEMBERS-221	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Middle Creek Substation (Floyd Co) Rt 114 Prestonsburg KY		2025		
SAIDI 1256.94 SAIFI 5.04				
Five Year Average: SAIDI 556.52 SAIFI 3.46				
Maintenance	50%			
Unknown	23%	6		
Planned Outage	8%	2		
CORRECTIVE ACTION: This ROW was trimmed in 2025.				

MIDDLE CREEK #90	MILES-42/ MEMBERS-660		DATE OF LAST CIRCUIT TRIM	OUTAGES
Salt Lick Substation (Knott County) KY Hwy 2029 Hueysville KY		2022		
SAIDI 1476.65 SAIFI 4.55				
Five Year Average: SAIDI 802.43 SAIFI 4.14				
Maintenance	53%			
Unknown	24%	16		
Equipment/Design	8%	5		
Other	6%	4		
CORRECTIVE ACTION: No action planned at this time.				

ROCK FORK #679	MILES-22 /MEMBERS-378	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Salt Lick Substation (Knott County) KY Hwy 2029 Hueysville KY		2017		
SAIDI 15565.75 SAIFI 3.51				
Five Year Average: SAIDI 793.88 SAIFI 3.44				
Maintenance	56%			
Unknown	10%	4		
Other	10%	4		
Animals	10%	4		
CORRECTIVE ACTION: No action planned at this time.				

VOLGA #95	MILES-29/MEMBERS-402	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Thelma Substation (Johnson County) Thelma KY				
SAIDI	1130.03	SAIFI	7.24	
Five Year Average: SAIDI		669.71	SAIFI	5.18

2025

Maintenance	56%	52
Unknown	21%	19
Equipment/Design	8%	7
Other	4%	4

CORRECTIVE ACTION: This ROW was trimmed in 2025.

DENVER #466	MILES-33/MEMBERS-452	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Volga Substation (Johnson County) KY Rt 172 Flat Gap KY				
SAIDI	2412.31	SAIFI	8.52	
Five Year Average: SAIDI		937.26	SAIFI	5.40

2016

Maintenance	46%	77
Unknown	19%	32
Power Supply	18%	29
Planned Outage	6%	10

Corrective Action: This circuit is scheduled for ROW trimming in 2027. No action is planned prior to trimming circuit.

ST HWY #497	MILES-12/ MEMBERS-159	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Volga Substation (Johnson County) KY Rt 172 Flat Gap KY				
SAIDI 1158.90 SAIFI 5.73		2024		
Five Year Average: SAIDI 526.99 SAIFI 3.47				
Maintenance		44%		15
Power Supply		26%		9
Planned Outage		11%		4
Corrective Action: ROW was cut in the last quarter of 2024 on this circuit.				

THELMA #392	MILES-76/ MEMBERS-1030	PERCENT	DATE OF LAST CIRCUIT TRIM	OUTAGES
Volga Substation (Johnson County) KY Rt 172 Flat Gap KY				
SAIDI 2689.90 SAIFI 9.57		2019		
Five Year Average: SAIDI 744.85 SAIFI 4.75 3.86				
Maintenance		36%		46
Unknown		25%		32
Planned Outage		9%		12
Other		8%		10
Corrective Action: No action at this time.				

ATTACHMENT A



Big sandy RECC Right-of-Way Plan and Procedures February 2026

Big Sandy RECC has 968 GPS miles of distribution line.

Big Sandy's Right-of-Way plan is designed to establish a systematic and sustainable maintenance schedule. Right-of-Way clearing is being scheduled on individual feeder circuits from each substation with clearing to the end of each feeder.

Circuit cutting is being scheduled based on the time since last circuit clearing, reliability numbers and complete system clearing. Spraying is scheduled with a goal of 4-year rotation.

Spraying of vines that overtake poles and guys is a part of Big Sandy's vegetation Plan.

Big Sandy RECC plans to utilize hourly paid and firm price contracts for all right of way cutting and herbicide application.

Circuit Prioritization

Big Sandy's staff is responsible for establishing a preventative maintenance strategy, identifying an appropriate routine maintenance cycle, prioritizing, scheduling and completing routine maintenance systematically and on the desired cycle.

Vegetation maintenance records, service interruption data, detailed Line Worker Reports, ground patrols and member-customer input all contribute to assigning priorities for vegetation maintenance each year.

There are several factors the Big Sandy's staff must consider when evaluating vegetation management needs. These include the frequency of service interruptions, vegetation quantities and characteristics, time elapsed since last treatment and member-customer requests.

Right-of-Way Clearance Standards

1. Pruning Guidelines for On-R/W Trees - Effective tree clearance for line reliability is dependent on the voltage of the conductor, the type of tree, its growth rate and habit. Clearance shall be accomplished by ground cutting and removing all tall-growing tree species from within the R/W, whenever approved. Where pruning of residential or landscape trees

become necessary, prune so as to provide a minimum of three (3) years of clearance. The guidelines for tree clearances apply at the time of pruning and clearing and are intended to protect the wires under normal operating conditions. Special clearances may be needed at times because of field conditions. Additional allowance should be made for wires with excess sag.

2. Pruning Along Distribution R/W Edge or Off-R/W Trees - Every tree shall be trimmed ground-to-sky in accordance with ANSI A-300. To the extent practicable, these limbs shall be trimmed back to the trunk of the tree except on species that are susceptible to sun scald.
Clear the R/W of all trees or brush thirty-five (35) feet wide for three phase lines and thirty (30) feet wide for single phase lines.
3. Shaping or rounding-over trees beyond the extent required to achieve the desired conductor/vegetation clearance shall not be performed, unless specifically approved by BIG SANDY or it's REPRESENTATIVE.
4. Only trees that are directly involved with BIG SANDY's overhead lines, as defined by this specification shall be pruned. Pruning trees for privately owned lines, other utility lines, or consumer lines or wiring is not permitted.
5. On all secondary lines and service drops, as directed by BIG SANDY or its REPRESENTATIVE, drops shall be cleared to the extent that the conductor can swing free of obstructions.
6. Big Sandy shall not prune trees solely for area lighting illumination.
7. All low growing desirable species, if present, may be left unless:
 - a. they create clearance problems,
 - b. mechanical, non-selective equipment (e.g. mowing) is used, or
 - c. they block access to the rights-of-way or prevent facilities maintenance.
8. Ingested wilting foliage of wild cherry is poisonous to livestock. Remove all wild cherry foliage from fields where livestock graze.
9. All stumps from manual clearing operations shall be treated with herbicides approved by BIG SANDY.

Kirby Castle,

VP Operations

