

| | | | | | | | |
|---------------------------|---|------------------------------|------------------------|----------------------------|---------------------|----------|-------------------------------|
| 3 | 3 | 33428634 | MILES D RODGERS | C498182 | Date: 2024/05/16 | Out: 1 | |
| | | MapLoc: 33428634 | | | Time: 14:16 | Hrs: 0.2 | |
| | | ServLoc: FM 15 19726 | | | Dur: 00:09 | | |
| | | Dispatches: | | | Ent: SEDC | | |
| | | | | | Rst: dispatch | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.2 | | | |
| 3 | 4 | 33480330 | JASON CRAFT | C498498 | Date: 2024/05/17 | Out: 1 | A No Power |
| | | MapLoc: 33480330 | | | Time: 16:03 | Hrs: 1.4 | |
| | | ServLoc: CR 4702 515 | | | Dur: 01:22 | | 75 Unknown |
| | | Dispatches: Employee | Ronny Gates (133) | | Ent: virginiaa | | 01 Refuse Transformer |
| | | Employee | Robert Jenkins (84) | | Rst: dispatch | | 01 Calm |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.4 | | | |
| 3 | 5 | 33477834 | LARRY K BURTON | C498528 | Date: 2024/05/18 | Out: 1 | |
| | | MapLoc: 33477834 | | | Time: 14:05 | Hrs: 0.5 | |
| | | ServLoc: CR 3911 180 | | | Dur: 00:32 | | |
| | | Dispatches: | | | Ent: dispatch | | |
| | | | | | Rst: dispatch | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.5 | | | |
| 3 | 5 | 3347880401 | MARY F BURTON | C498530 | Date: 2024/05/18 | Out: 1 | |
| | | MapLoc: 3347880401 | | | Time: 14:11 | Hrs: 0.1 | |
| | | ServLoc: HWY 135 N 5857 | | | Dur: 00:03 | | |
| | | Dispatches: | | | Ent: dispatch | | |
| | | | | | Rst: dispatch | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.1 | | | |
| 4 | 1 | 46122303 | FRANCISCO L TAVERA | C498450 | Date: 2024/05/16 | Out: 1 | |
| | | MapLoc: 46122303 | | | Time: 19:58 | Hrs: 0.6 | |
| | | ServLoc: CR 1306 979 | | | Dur: 00:34 | | |
| | | Dispatches: | | | Ent: smsTxt | | |
| | | | | | Rst: dispatch | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.6 | | | |
| 5 | 2 | 460410044 | FANNYE B MEADOR | C498486 | Date: 2024/05/17 | Out: 1 | E Downed or Low Hanging Wires |
| | | MapLoc: 460410044 | | | Time: 11:29 | Hrs: 2.6 | |
| | | ServLoc: CR 3114 1780 | | | Dur: 02:35 | | 75 Unknown |
| | | Dispatches: Employee | Jason Kellis (142) | | Ent: dispatch | | 02 Repair/Splice Wire |
| | | | | | Rst: dispatch | | 01 Calm |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 2.6 | | | |
| 5 | 3 | 46116388 | DAVID H YAWN MD | C498469 | Date: 2024/05/17 | Out: 1 | A No Power |
| | | MapLoc: 46116388 | | | Time: 06:27 | Hrs: 1.5 | |

Dur: 01:29 30 Lightning
 Ent: dispatch 01 Refuse Transformer
 Rst: dispatch 01 Calm

ServLoc: CR 2112 1615
 Dispatches: Crew Unit 3 (03)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 1.5

5 4 46058694 RAYMOND SANCHEZ C498532 Date: 2024/05/18 Out: 1 A No Power
 MapLoc: 46058694 Time: 18:15 Hrs: 1.8
 Dur: 01:47
 Ent: SEDC
 Rst: dispatch

ServLoc: FM 347 N 5876
 Dispatches: Employee Robert Jenkins (84)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 1.8

5 4 46059603 RONNIE E JULIA A BEASLEY C498538 Date: 2024/05/18 Out: 1
 MapLoc: 46059603 Time: 19:24 Hrs: 0.6
 Dur: 00:37
 Ent: SEDC
 Rst: dispatch

ServLoc: FM 347 N 5824
 Dispatches:

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.6

5 4 46059615 JOSIAH T HAGUE C498536 Date: 2024/05/18 Out: 1 A No Power
 MapLoc: 46059615 Time: 19:16 Hrs: 0.8
 Dur: 00:46
 Ent: web
 Rst: dispatch

ServLoc: FM 347 N 5854
 Dispatches:

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.8

5 4 4605961501 KEVIN B DAGEN C498537 Date: 2024/05/18 Out: 1 A No Power
 MapLoc: 4605961501 Time: 19:17 Hrs: 0.8
 Dur: 00:45
 Ent: web
 Rst: dispatch

ServLoc: FM 347 N 5854
 Dispatches:

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.8

5 4 46110888 JONATHAN D MATHEWS C498185 Date: 2024/05/16 Out: 1 D Bright/Dimming Lights
 MapLoc: 46110888 Time: 14:32 Hrs: 0.6
 Dur: 00:37 75 Unknown
 Ent: yadirap 99 Other (see comments)
 Rst: dispatch 02 Thunderstorm

ServLoc: HWY 69 N 31999
 Dispatches:

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.6

5 4 4611088801 JONATHAN D MATHEWS C498184 Date: 2024/05/16 Out: 1 D Bright/Dimming Lights
 MapLoc: 4611088801 Time: 14:31 Hrs: 0.7
 Dur: 00:42 75 Unknown
 Ent: dispatch 99 Other (see comments)
 Rst: dispatch 06 Light Rain/Mist/Fog

ServLoc: HWY 69 N 31999

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|---------------------------|---|------------------------------|--------------------|----------------------------|---------------------|----------|
| Dispatches: | | Crew | Unit 3 (03) | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.7 | | |
| 5 | 4 | 46114820 | MALLORY ALLSBROOKS | C498521 | Date: 2024/05/18 | Out: 1 |
| | | MapLoc: 46114820 | | | Time: 05:43 | Hrs: 1.5 |
| | | | | | Dur: 01:29 | |
| | | | | | Ent: web | |
| | | | | | Rst: dispatch | |
| | | ServLoc: CR 1625 141 | | | | |
| | | Dispatches: Employee | | Ronny Gates (133) | | |
| | | | | Robert Jenkins (84) | | |
| | | Employee | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.5 | | |
| 5 | 4 | 4611493201 | BILLY J YARBROUGH | C498522 | Date: 2024/05/18 | Out: 1 |
| | | MapLoc: 4611493201 | | | Time: 05:44 | Hrs: 1.5 |
| | | | | | Dur: 01:28 | |
| | | | | | Ent: web | |
| | | | | | Rst: dispatch | |
| | | ServLoc: FM 2972 W 2267 | | | | |
| | | Dispatches: | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.5 | | |
| 7 | 1 | 33460720 | JOHN PICKETT | C498175 | Date: 2024/05/16 | Out: 1 |
| | | MapLoc: 33460720 | | | Time: 13:09 | Hrs: 0.2 |
| | | | | | Dur: 00:13 | |
| | | | | | Ent: SEDC | |
| | | | | | Rst: dispatch | |
| | | ServLoc: CR 3605 241 | | | | |
| | | Dispatches: | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.2 | | |
| 7 | 3 | 3346752801 | ALBERT HAMBRICK | C498495 | Date: 2024/05/17 | Out: 1 |
| | | MapLoc: 3346752801 | | | Time: 14:16 | Hrs: 0.5 |
| | | | | | Dur: 00:29 | |
| | | | | | Ent: | |
| | | | | | rebecca.p | |
| | | | | | Rst: dispatch | |
| | | ServLoc: CR 4400 13314 | | | | |
| | | Dispatches: Crew | | Unit 17 (17) | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.5 | | |
| 7 | 3 | 7040102 | BLAINE T EVERHART | C498448 | Date: 2024/05/16 | Out: 1 |
| | | MapLoc: 7040102 | | | Time: 19:51 | Hrs: 1.5 |
| | | | | | Dur: 01:33 | |
| | | | | | Ent: SEDC | |
| | | | | | Rst: dispatch | |
| | | ServLoc: FM 346 2367 | | | | |
| | | Dispatches: Employee | | Robert Jenkins (84) | | |
| | | | | Matthew Evans (189) | | |
| | | Employee | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.5 | | |
| 8 | 1 | 3335769301 | BRYTNI A BROWN | C498524 | Date: 2024/05/18 | Out: 1 |
| | | MapLoc: 3335769301 | | | Time: 07:22 | Hrs: 1.5 |
| | | | | | Dur: 01:27 | |
| | | | | | Ent: web | |

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|---------------------------|---|------------------------------|----------------------|----------------------------|------------------|-----------------------|
| | | ServLoc: HWY 110 S 14034 | | | Rst: dispatch | |
| | | Dispatches: Employee | Ivan Balderas (243) | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.5 | | |
| 8 | 2 | 30486 | BRETT LAFAYETTE | C498540 | Date: 2024/05/19 | Out: 1 |
| | | MapLoc: 30486 | | | Time: 10:01 | Hrs: 0.1 |
| | | | | Dur: 00:05 | | |
| | | | | Ent: SEDC | | |
| | | | | Rst: dispatch | | |
| | | ServLoc: RED OAK RD 16286 | | | | |
| | | Dispatches: | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.1 | | |
| 8 | 3 | 3335894301 | LOGAN ANDREW ZEDLITZ | C498542 | Date: 2024/05/19 | Out: 1 |
| | | MapLoc: 3335894301 | | | Time: 13:50 | Hrs: 1.5 |
| | | | | Dur: 01:28 | | |
| | | | | Ent: dispatch | | |
| | | | | Rst: dispatch | | |
| | | ServLoc: FM 848 *!* 14460 | | | | |
| | | Dispatches: Employee | Ivan Balderas (243) | | | |
| | | Employee | Jose Moreria (257) | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.5 | | |
| 10 | 1 | 33302429 | JAMES M DOZIER | C498531 | Date: 2024/05/18 | Out: 1 |
| | | MapLoc: 33302429 | | | Time: 17:07 | Hrs: 1.4 |
| | | | | Dur: 01:24 | | |
| | | | | Ent: web | | 10 Wildlife |
| | | | | Rst: dispatch | | |
| | | ServLoc: FM 16 17837 | | | | |
| | | Dispatches: Employee | Ivan Balderas (243) | | | |
| 10 | 1 | 33302429 | JAMES M DOZIER | C498543 | Date: 2024/05/19 | Out: 1 |
| | | MapLoc: 33302429 | | | Time: 16:48 | Hrs: 0.6 |
| | | | | Dur: 00:38 | | |
| | | | | Ent: smsTxt | | |
| | | | | Rst: dispatch | | |
| | | ServLoc: FM 16 17837 | | | | |
| | | Dispatches: Employee | Ivan Balderas (243) | | | |
| | | Employee | Jose Moreria (257) | | | |
| 10 | 1 | 33302429 | JAMES M DOZIER | C498544 | Date: 2024/05/19 | Out: 1 |
| | | MapLoc: 33302429 | | | Time: 17:30 | Hrs: 0.1 |
| | | | | Dur: 00:05 | | |
| | | | | Ent: web | | |
| | | | | Rst: dispatch | | |
| | | ServLoc: FM 16 17837 | | | | |
| | | Dispatches: | | | | |
| Total Incidents: 3 | | Consumers Affected: 3 | | Consumer Hours: 2.1 | | |
| 10 | 1 | 3330749701 | WILLIE FAYE CHAPPELL | C498187 | Date: 2024/05/16 | Out: 1 |
| | | MapLoc: 3330749701 | | | Time: 15:53 | Hrs: 1.5 |
| | | | | Dur: 01:30 | | |
| | | | | Ent: web | | 30 Lightning |
| | | | | Rst: dispatch | | 01 Refuse Transformer |
| | | | | | | 02 Thunderstorm |

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|---------------------------|---|------------------------------|------------------|----------------------------|---------------------|-----------------------|------------|
| ServLoc: | | FM 757 7322 | | | | | |
| Dispatches: | | Employee | | Caleb Hall (241) | | | |
| | | Employee | | Jose Moreria (257) | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.5 | | | |
| 10 | 1 | 33308406 | DAN M CATER | C498188 | Date: 2024/05/16 | Out: 1 | A No Power |
| MapLoc: | | 33308406 | | Time: 15:58 | | Hrs: 1.4 | |
| | | | | Dur: 01:25 | | 30 Lightning | |
| | | | | Ent: web | | 01 Refuse Transformer | |
| | | | | Rst: dispatch | | 02 Thunderstorm | |
| ServLoc: | | FM 757 7314 | | | | | |
| Dispatches: | | | | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.4 | | | |
| 11 | 1 | 3104201 | DONNA J NANCE | C498520 | Date: 2024/05/17 | Out: 1 | A No Power |
| MapLoc: | | 3104201 | | Time: 22:12 | | Hrs: 1.1 | |
| | | | | Dur: 01:09 | | 10 Wildlife | |
| | | | | Ent: SEDC | | 01 Refuse Transformer | |
| | | | | Rst: dispatch | | 01 Calm | |
| ServLoc: | | EASTRIDGE RD 14343 | | | | | |
| Dispatches: | | Employee | | Ivan Balderas (243) | | | |
| | | Employee | | Ethan Dowling (273) | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 1.1 | | | |
| 11 | 1 | 31705 | FRANCES K LISTON | C498523 | Date: 2024/05/18 | Out: 1 | |
| MapLoc: | | 31705 | | Time: 07:10 | | Hrs: 0.1 | |
| | | | | Dur: 00:03 | | | |
| | | | | Ent: web | | | |
| | | | | Rst: dispatch | | | |
| ServLoc: | | HWY 64 UNIT 5 16707 | | | | | |
| Dispatches: | | | | | | | |
| 11 | 1 | 31705 | FRANCES K LISTON | C498525 | Date: 2024/05/18 | Out: 1 | |
| MapLoc: | | 31705 | | Time: 07:29 | | Hrs: 0.2 | |
| | | | | Dur: 00:15 | | | |
| | | | | Ent: SEDC | | | |
| | | | | Rst: dispatch | | | |
| ServLoc: | | HWY 64 UNIT 5 16707 | | | | | |
| Dispatches: | | | | | | | |
| Total Incidents: 2 | | Consumers Affected: 2 | | Consumer Hours: 0.3 | | | |
| 11 | 2 | 3336945501 | PAT J SHANNON | C498533 | Date: 2024/05/18 | Out: 1 | |
| MapLoc: | | 3336945501 | | Time: 18:20 | | Hrs: 0.2 | |
| | | | | Dur: 00:11 | | | |
| | | | | Ent: SEDC | | | |
| | | | | Rst: dispatch | | | |
| ServLoc: | | CR 295 17845 | | | | | |
| Dispatches: | | | | | | | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.2 | | | |
| 11 | 2 | 33369481 | ARBORETUM INC | C498497 | Date: 2024/05/17 | Out: 1 | A No Power |
| MapLoc: | | 33369481 | | Time: 14:54 | | Hrs: 1.1 | |
| | | | | Dur: 01:06 | | 75 Unknown | |
| | | | | Ent: dispatch | | 01 Refuse Transformer | |
| | | | | Rst: dispatch | | 01 Calm | |
| ServLoc: | | CR 295 17849 | | | | | |

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|---------------------------|---|------------------------------|--------------------|----------------------------|---------------------|----------|-----------------------------|--|
| | | Dispatches: | Employee | Ivan Balderas (243) | | | | |
| | | | Employee | Jose Moreria (257) | | | | |
| 11 | 2 | 33369481 | ARBORETUM INC | C498534 | Date: 2024/05/18 | Out: 1 | A No Power | |
| | | MapLoc: | 33369481 | | Time: 18:33 | Hrs: 0.8 | | |
| | | ServLoc: | CR 295 17849 | | Dur: 00:45 | | | |
| | | Dispatches: | Employee | Ivan Balderas (243) | Ent: dispatch | | | |
| | | | | | Rst: dispatch | | | |
| Total Incidents: 2 | | Consumers Affected: 2 | | Consumer Hours: 1.9 | | | | |
| 11 | 3 | 33309335 | TENISHA T MCGREGOR | C498535 | Date: 2024/05/18 | Out: 1 | A No Power | |
| | | MapLoc: | 33309335 | | Time: 18:44 | Hrs: 2.0 | | |
| | | ServLoc: | CR 390 !*!*! 4306 | | Dur: 02:02 | | 99 Other (see comments) | |
| | | Dispatches: | Employee | Jason Kellis (142) | Ent: SEDC | | | |
| | | | Employee | Ivan Balderas (243) | Rst: dispatch | | 01 Calm | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 2.0 | | | | |
| 11 | 3 | 33364515 | DAVID RUIZ | C498488 | Date: 2024/05/17 | Out: 1 | Z OTHER - (SEE COMMNETS) | |
| | | MapLoc: | 33364515 | | Time: 12:53 | Hrs: 0.6 | | |
| | | ServLoc: | CR 234 18768 | | Dur: 00:38 | | 60 Human Error | |
| | | Dispatches: | Employee | Ivan Balderas (243) | Ent: Linettea | | 99 Other (see comments) | |
| | | | | | Rst: dispatch | | 01 Calm | |
| Total Incidents: 1 | | Consumers Affected: 1 | | Consumer Hours: 0.6 | | | | |
| 11 | 3 | 3336451501 | DAVID RUIZ | C498485 | Date: 2024/05/17 | Out: 1 | Z OTHER - (SEE COMMNETS) | |
| | | MapLoc: | 3336451501 | | Time: 10:32 | Hrs: 1.1 | | |
| | | ServLoc: | CR 234 18768 | | Dur: 01:04 | | 75 Unknown | |
| | | Dispatches: | Employee | Ivan Balderas (243) | Ent: SEDC | | 99 Other (see comments) | |
| | | | | | Rst: dispatch | | 01 Calm | |
| 11 | 3 | 3336451501 | DAVID RUIZ | C498487 | Date: 2024/05/17 | Out: 1 | Z OTHER - (SEE COMMNETS) | |
| | | MapLoc: | 3336451501 | | Time: 12:33 | Hrs: 1.0 | | |
| | | ServLoc: | CR 234 18768 | | Dur: 01:01 | | 60 Human Error | |
| | | Dispatches: | | | Ent: Linettea | | 99 Other (see comments) | |
| | | | | | Rst: dispatch | | 01 Calm | |
| Total Incidents: 2 | | Consumers Affected: 2 | | Consumer Hours: 2.1 | | | | |
| 11 | 4 | 33362392 | LAVERNA WALTON | C498529 | Date: 2024/05/18 | Out: 1 | A No Power | |
| | | MapLoc: | 33362392 | | Time: 14:07 | Hrs: 1.6 | | |

Dur: 01:39
 Ent: SEDC
 Rst: dispatch
 03 Tree-Outside R/W

ServLoc: CR 2301 8498

Dispatches: Employee Ivan Balderas (243)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 1.6

11 4 3336532601 ROBERT C STRICKLAND C498518 Date: 2024/05/17 Out: 1 A No Power
 MapLoc: 3336532601 Time: 19:01 Hrs: 0.9
 Dur: 00:56 10 Wildlife
 Ent: SEDC 01 Refuse Transformer
 Rst: dispatch 01 Calm

ServLoc: CR 2203 17248

Dispatches: Employee Ethan Dowling (273)
 Employee Ivan Balderas (243)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.9

12 1 33415580 VELMA IRENE GUILLIAMS C498468 Date: 2024/05/17 Out: 1 A No Power
 MapLoc: 33415580 Time: 04:23 Hrs: 1.0
 Dur: 01:00 75 Unknown
 Ent: SEDC
 Rst: dispatch 02 Thunderstorm

ServLoc: FM 344 E 9619

Dispatches: Employee Jose Moreria (257)
 Employee Caleb Hall (241)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 1.0

12 2 3341351303 TAI JC PHAM C498539 Date: 2024/05/18 Out: 1 A No Power
 MapLoc: 3341351303 Time: 19:26 Hrs: 2.2
 Dur: 02:11 10 Wildlife
 Ent: SEDC
 Rst: dispatch 01 Calm

ServLoc: FM 756 18505

Dispatches: Employee Ivan Balderas (243)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 2.2

14 2 3341746201 WILLIAM R CABLE C498541 Date: 2024/05/19 Out: 1 A No Power
 MapLoc: 3341746201 Time: 10:36 Hrs: 0.8
 Dur: 00:49 75 Unknown
 Ent: SEDC
 Rst: dispatch

ServLoc: FM 344 4498

Dispatches: Employee Robert Jenkins (84)
 Employee Ivan Balderas (243)
 Employee Jose Moreria (257)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.8

14 2 33419442 PATSY WALLER C498193 Date: 2024/05/16 Out: 1 A No Power
 MapLoc: 33419442 Time: 19:00 Hrs: 0.8
 Dur: 00:49 30 Lightning
 Ent: dispatch
 Rst: dispatch 02 Thunderstorm

ServLoc: CR 3802 1668
 Dispatches: Employee Caleb Hall (241)
 Employee Jose Moreria (257)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.8

14 3 33472603 HOLLY T WATLEY C498174
 Date: 2024/05/16 Out: 1 B Partial Power
 MapLoc: 33472603 Time: 11:00 Hrs: 0.6
 Dur: 00:36 99 Other (see comments)
 Ent: brandi.d 99 Other (see comments)
 Rst: dispatch 01 Calm

ServLoc: CR 3817 415
 Dispatches: Crew Unit 17 (17)

Total Incidents: 1 Consumers Affected: 1 Consumer Hours: 0.6

Substation Recap

| Sub | Name | Fdr | Name | Incidents | Consumers Affected | Consumer Hours |
|--------------------|----------------------------|-----|--------------|-----------|--------------------|----------------|
| 1 | Alto Sub | 1 | FDR-0101 | 4 | 4 | 8.5 |
| 1 | Alto Sub | 2 | FDR-0102 | 1 | 1 | 0.2 |
| 1 | Alto Sub | 3 | FDR-0103 | 3 | 3 | 3.1 |
| 1 | Alto Sub | 4 | FDR-0104 | 10 | 10 | 8.2 |
| 1 | Alto Sub | | Total | 18 | 18 | 20.0 |
| 3 | Troup Sub | 3 | FDR-0303 | 1 | 1 | 0.2 |
| 3 | Troup Sub | 4 | FDR-0304 | 1 | 1 | 1.4 |
| 3 | Troup Sub | 5 | FDR-0305 | 2 | 2 | 0.6 |
| 3 | Troup Sub | | Total | 4 | 4 | 2.1 |
| 4 | New Summerfield Sub | 1 | FDR-0401 | 1 | 1 | 0.6 |
| 4 | New Summerfield Sub | | Total | 1 | 1 | 0.6 |
| 5 | Pine Grove Sub | 2 | FDR-0502 | 1 | 1 | 2.6 |
| 5 | Pine Grove Sub | 3 | FDR-0503 | 1 | 1 | 1.5 |
| 5 | Pine Grove Sub | 4 | FDR-0504 | 8 | 8 | 8.2 |
| 5 | Pine Grove Sub | | Total | 10 | 10 | 12.2 |
| 7 | Teaselville Sub | 1 | FDR-0701 | 1 | 1 | 0.2 |
| 7 | Teaselville Sub | 3 | FDR-0703 | 2 | 2 | 2.0 |
| 7 | Teaselville Sub | | Total | 3 | 3 | 2.2 |
| 8 | Gwartney Sub | 1 | FDR-0801 | 1 | 1 | 1.5 |
| 8 | Gwartney Sub | 2 | FDR-0802 | 1 | 1 | 0.1 |
| 8 | Gwartney Sub | 3 | FDR-0803 | 1 | 1 | 1.5 |
| 8 | Gwartney Sub | | Total | 3 | 3 | 3.0 |
| 10 | Owentown MP | 1 | FDR-1001 | 5 | 5 | 5.0 |
| 10 | Owentown MP | | Total | 5 | 5 | 5.0 |
| 11 | Swinneytown Sub | 1 | FDR-1101 | 3 | 3 | 1.5 |
| 11 | Swinneytown Sub | 2 | FDR-1102 | 3 | 3 | 2.0 |
| 11 | Swinneytown Sub | 3 | FDR-1103 | 4 | 4 | 4.8 |
| 11 | Swinneytown Sub | 4 | FDR-1104 | 2 | 2 | 2.6 |
| 11 | Swinneytown Sub | | Total | 12 | 12 | 10.8 |
| 12 | Walnut Grove Sub | 1 | FDR-1201 | 1 | 1 | 1.0 |
| 12 | Walnut Grove Sub | 2 | FDR-1202 | 1 | 1 | 2.2 |
| 12 | Walnut Grove Sub | | Total | 2 | 2 | 3.2 |
| 14 | Bullard Sub | 2 | FDR-1402 | 2 | 2 | 1.6 |
| 14 | Bullard Sub | 3 | FDR-1403 | 1 | 1 | 0.6 |
| 14 | Bullard Sub | | Total | 3 | 3 | 2.2 |
| Grand Total | | | | 61 | 61 | 61.5 |

Overall Substation Recap

| Sub | Name | Fdr | Name | Incidents | Consumers Affected | Consumer Hours |
|-------------|----------------------------|-----|--------------|-----------|--------------------|----------------|
| 1 | Alto Sub | 1 | FDR-0101 | 5 | 14 | 26.6 |
| 1 | Alto Sub | 2 | FDR-0102 | 1 | 1 | 0.2 |
| 1 | Alto Sub | 3 | FDR-0103 | 3 | 3 | 3.1 |
| 1 | Alto Sub | 4 | FDR-0104 | 11 | 22 | 18.0 |
| 1 | Alto Sub | | Total | 20 | 40 | 48.0 |
| 3 | Troup Sub | 3 | FDR-0303 | 3 | 133 | 206.8 |
| 3 | Troup Sub | 4 | FDR-0304 | 1 | 1 | 1.4 |
| 3 | Troup Sub | 5 | FDR-0305 | 3 | 53 | 84.7 |
| 3 | Troup Sub | | Total | 7 | 187 | 292.9 |
| 4 | New Summerfield Sub | 1 | FDR-0401 | 2 | 30 | 101.1 |
| 4 | New Summerfield Sub | 3 | FDR-0403 | 1 | 1049 | 1136.4 |
| 4 | New Summerfield Sub | | Total | 3 | 1079 | 1237.5 |
| 5 | Pine Grove Sub | 2 | FDR-0502 | 1 | 1 | 2.6 |
| 5 | Pine Grove Sub | 3 | FDR-0503 | 2 | 22 | 31.2 |
| 5 | Pine Grove Sub | 4 | FDR-0504 | 8 | 8 | 8.2 |
| 5 | Pine Grove Sub | | Total | 11 | 31 | 42.0 |
| 7 | Teaselville Sub | 1 | FDR-0701 | 1 | 1 | 0.2 |
| 7 | Teaselville Sub | 3 | FDR-0703 | 3 | 7 | 7.5 |
| 7 | Teaselville Sub | | Total | 4 | 8 | 7.8 |
| 8 | Gwartney Sub | 1 | FDR-0801 | 1 | 1 | 1.5 |
| 8 | Gwartney Sub | 2 | FDR-0802 | 1 | 1 | 0.1 |
| 8 | Gwartney Sub | 3 | FDR-0803 | 1 | 1 | 1.5 |
| 8 | Gwartney Sub | | Total | 3 | 3 | 3.0 |
| 10 | Owentown MP | 1 | FDR-1001 | 5 | 5 | 5.0 |
| 10 | Owentown MP | | Total | 5 | 5 | 5.0 |
| 11 | Swinneytown Sub | 1 | FDR-1101 | 3 | 3 | 1.5 |
| 11 | Swinneytown Sub | 2 | FDR-1102 | 3 | 3 | 2.0 |
| 11 | Swinneytown Sub | 3 | FDR-1103 | 6 | 16 | 23.4 |
| 11 | Swinneytown Sub | 4 | FDR-1104 | 2 | 2 | 2.6 |
| 11 | Swinneytown Sub | | Total | 14 | 24 | 29.4 |
| 12 | Walnut Grove Sub | 1 | FDR-1201 | 1 | 1 | 1.0 |
| 12 | Walnut Grove Sub | 2 | FDR-1202 | 2 | 16 | 11.9 |
| 12 | Walnut Grove Sub | | Total | 3 | 17 | 12.9 |
| 14 | Bullard Sub | 2 | FDR-1402 | 2 | 2 | 1.6 |
| 14 | Bullard Sub | 3 | FDR-1403 | 1 | 1 | 0.6 |
| 14 | Bullard Sub | | Total | 3 | 3 | 2.2 |
| Grand Total | | | | 73 | 1397 | 1680.7 |

STAFF 1-17 Provide the following information concerning your service territory:

- a. Identify the geographic areas that experienced the highest number of outages and longest duration of outage due to the May 2024 Derecho. Your response should identify the neighborhood, city, zip code, and county if possible.
- b. Identify the geographic areas that experienced the highest number of outages and longest duration of outage due to the Hurricane Beryl. Your response should identify the neighborhood, city, zip code, and county if possible.
- c. Identify or describe the factors that contributed to the areas identified in response to subparts (a) and (b) as being particularly vulnerable.

RESPONSE:

- a. Cherokee, Smith, Rusk, and Nacogdoches Counties experienced widespread outages. The longest duration was less than 48 hours and the highest number of outages was 1397.
- b. Cherokee, Smith, Rusk, and Nacogdoches Counties experienced widespread outages. The longest duration was less than 48 hours and the highest number of outages was 9960.
- c. Heavily rural forested areas throughout the system.

SPONSOR:

Bart Bauer

STAFF 1-18 Describe any challenges in restoring operations your Company encountered due to the May 2024 Derecho or Hurricane Beryl.

RESPONSE:

The challenges in restoring operations for the May 2024 Derecho and Hurricane Beryl were the same as any other storm. Wet and muddy rights-of-way made it harder to access damaged areas.

SPONSOR:

Bart Bauer

STAFF 1-19 Please provide a copy of the after-action reports or provide a date by when the action reports will be completed for the May 2024 Derecho and Hurricane Beryl.

RESPONSE:

CCECA did not create an after-action report.

SPONSOR:

Bart Bauer

STAFF 1-20 Please provide any additional information and describe any concerns that may be helpful to this investigation.

RESPONSE:

No additional information. Our only potential concern with this investigation is that the radically different geographical areas and the drastically different severity of outages will make reaching any one-size-fits-all solutions very difficult.

SPONSOR:

Bart Bauer

Electric Utilities Communication and Coordination

STAFF 1-21 Provide the following information concerning the communication strategy and policy in place before July 8, 2024:

- a. What consideration is given to local governments, community organizations, and other electric, water, sewer, and telecommunication utilities concerning your communication strategy after a hurricane or major storm in your service territory?
- b. Describe any augmentation to staffing at call centers or help desks that would occur in advance of or after a hurricane or major storm entered your service territory.
- c. For transmission and distribution utilities, please describe how your company coordinates communication to end-use customers with retail electric providers.

RESPONSE:

- a. CCECA updates local governments on an as-needed basis. CCECA serves all of its members and uses social media, members apps, text messages, or phone calls to communicate with its members and the communities in which it serves.
- b. CCECA does not augment staffing.
- c. CCECA is not an opt-in entity and, thus, does not have retail electric providers.

SPONSOR:

Bart Bauer

STAFF 1-22 Describe your communication strategy with the public before, during, and after the May 2024 Derecho and Hurricane Beryl and by what means these communications were conducted.

RESPONSE:

CCECA uses social media, members apps, text messages, and/or phone calls to communicate to its members.

SPONSOR:

Bart Bauer

STAFF 1-23 Please provide any available data regarding customer feedback you received in response to your service restoration efforts during and in the aftermath of Hurricane Beryl.

RESPONSE:

Feedback can be found on our social media posts.

SPONSOR:

Bart Bauer

STAFF 1-24 What steps are being taken to improve coordination and communication with local governments, medical and eldercare facilities, community organizations, trade associations, and other similar organizations for future significant weather events?

RESPONSE:

CCECA has not seen a need at this time to take any future steps to improve coordination and communications with local governments, medical and eldercare facilities, community organizations, trade associations, and other similar organizations for future significant weather events.

SPONSOR:

Bart Bauer

STAFF 1-25 What steps are being taken to improve coordination and communication with other electric, water, sewer, and telecommunication utilities for future significant weather events?

RESPONSE:

CCECA regularly coordinates and communicates with other utilities as needed. CCECA has not seen a need to take further steps to improve our coordination or communication with other utilities.

SPONSOR:

Bart Bauer

STAFF 1-26 Provide the following information concerning call centers and help desks used by your company before July 8, 2024:

- a. How many people work in call centers or help desks?
- b. Of these people, please provide the percentage of these employees that are full-time employees (FTE), contracted labor, or temporary/seasonal workers.
- c. What is the target wait time or response time for calls?
- d. What is the target resolution time for calls?
- e. Provide a detailed description of company-specific training provided to call center and help desk operators concerning major outages and major weather events including, but not limited to, hurricanes and high wind events.
- f. What is the maximum call volume for the call centers or help desks that were available and in operation during or in the aftermath of Hurricane Beryl?

RESPONSE:

- a. CCECA has approximately 30 employees who work in such help capacities.
- b. 100% (FTE).
- c. Two minutes.
- d. Approximately nine minutes.
- e. Employees shadow experienced personnel for approximately six months and are trained on obtaining detailed information from the member.
- f. Thirty employees were available to answer calls; however, the automated system is designed to handle the total membership of approximately 18,000.

SPONSOR:

Bart Bauer

STAFF 1-27 Provide the daily average and peak call volume to your call centers or help desks during or in the aftermath of Hurricane Beryl. For purposes of this question, please provide responses for each day from July 8, 2024, through the date power was restored to at least 99% of the customers in the service territory in the Impacted Area.

RESPONSE:

The daily average number of calls for Hurricane Beryl was 1139.3 per day. The maximum number of calls per day was 2929 on July 8th.

The daily call volume was:

| | |
|------------------|-------------|
| 7/7/2024 | 159 |
| 7/8/2024 | 2929 |
| 7/9/2024 | 1490 |
| 7/10/2024 | 930 |
| 7/11/2024 | 624 |
| 7/12/2024 | 704 |

SPONSOR:

Bart Bauer

STAFF 1-28 Describe how you communicated and shared information on recovery resources and updates with local and state leaders as well as your customers during leading up to, during, and in the aftermath of Hurricane Beryl.

RESPONSE:

CCECA communicated by phone to local and state leaders. CCECA updated members with social media updates.

SPONSOR:

Bart Bauer

STAFF 1-29 Please indicate whether calls incoming to your call centers, help desks, or priority call desks are recorded, and if so, provide your retention schedule for the captured calls.

RESPONSE:

Calls are not recorded.

SPONSOR:

Bart Bauer

STAFF 1-30 If calls incoming to your priority call desks are not recorded, please indicate if incoming calls are logged or otherwise tracked. If tracked or logged, please provide a copy of all logged or otherwise tracked calls to the priority call desk during or in the aftermath of Hurricane Beryl.

RESPONSE:

The Cooperative does not have a "priority calls desk." Higher priority calls are not regularly logged or tracked but dealt with by management as they occur, on a case-by-case basis.

SPONSOR:

Bart Bauer

STAFF 1-31 Please provide an audio copy and transcript of any pre-recorded messages related to either the May 2024 Derecho or Hurricane Beryl used by your call centers or help desks and the date these messages were utilized.

RESPONSE:

CCECA did not change its pre-recorded message.

SPONSOR:

Bart Bauer

STAFF 1-32 Provide the following information concerning the outage tracker in use on July 8, 2024:

- a. The date the outage tracker was rolled out to customers.
- b. The last date the software underpinning the outage tracker was updated.
- c. whether the outage tracker was functioning during the May 2024 Derecho and Hurricane Beryl as intended or provide an explanation as to why not.
- d. Whether the outage tracker was mobile-friendly;
- e. the languages supported by the outage tracker;
- f. Whether the outage tracker captured circuit-specific or meter-specific information or both.
- g. Whether the outage tracker was cloud-based or operated through an on-premise server?
- h. The maximum number of simultaneous users the outage tracker was designed to accommodate.
- i. Whether you had internal facing redundancies/contingencies for outage tracking, and if so if these redundancies/contingencies were utilized during your response to Hurricane Beryl.
- j. The date of the last stress or load test of the outage tracker.

RESPONSE:

- a. CCECA's outage system was rolled out in approximately 2008.
- b. Daily updated.
- c. Yes, it was functioning.
- d. Yes.
- e. English.
- f. Both.
- g. On-premise.
- h. No limit predicted nor experienced.
- i. CCECA has off-site live data transfer to our Cloud service for backup.
- j. July 8th. With the nature of our business, it is stress tested through means of actual use. It has not failed.

SPONSOR:

Bart Bauer

STAFF 1-33 Provide daily total and peak numbers of users accessing your outage tracker in the greater Houston area during each day of the May 2024 Derecho event.

RESPONSE:

Information is not available. The Cooperative is not in the Houston area.

SPONSOR:

Bart Bauer

STAFF 1-34 Provide the daily total and peak number of users accessing your outage tracker in the Impacted Area starting from July 8, 2024 through the date service was restored to 100% of your service territory.

RESPONSE:

Not available.

SPONSOR:

Bart Bauer

STAFF 1-35 Describe any processes or policies adopted by your company as contingencies to inform customers about service outages and estimated restoration times in the event the outage tracker is offline.

RESPONSE:

CCECA uses social media if the outage tracker is offline or not.

SPONSOR:

Bart Bauer

STAFF 1-36 Please indicate if the processes or policies described in your response to Staff 1-35 were utilized during either the May 2024 Derecho event or in the aftermath of Hurricane Beryl. If they were, please identify the dates the identified processes and policies were activated.

RESPONSE:

N/A

SPONSOR:

Bart Bauer

STAFF 1-37 Please provide a breakdown of smart meters currently in service for each county in your service territory that was included within the Impacted Area. In providing a response to this question, please provide both raw numbers and answers as a percentage of total customers in each county.

RESPONSE:

Derecho – Total confirmed outages: approximately 1397 (approximately 60% Smith County, approximately 40% Cherokee County).

Beryl – Total confirmed outages: approximately 9960 (approximately 40% Smith County, approximately 60% Cherokee County).

SPONSOR:

Bart Bauer

STAFF 1-38 Provide the date and method (e.g., email, phone call, text message) you initially contacted local governments in the Impacted Area.

RESPONSE:

Phone calls, and in some cases, email, and text messages, starting on or about July 8.

SPONSOR:

Bart Bauer

STAFF 1-39 Describe what processes, if any, you had in place on or before July 8, 2024, to contact medical and eldercare facilities or critical infrastructure (e.g., police stations, firehouses, TV stations) in advance of a hurricane or major storm. Please include citations to the relevant section(s) of your EOP filed with the PUCT when answering this question.

RESPONSE:

CCECA regularly notifies members by text, phone calls, and mobile application. The Communication Plan is located at pages 5-14 of our EOP.

SPONSOR:

Bart Bauer

STAFF 1-40 If your company has a process to contact critical care facilities, provide the date and method (e.g., email, phone call, text message) you initially contacted medical facilities, eldercare facilities, or critical infrastructure (e.g., police stations, firehouses, TV stations) in advance of Hurricane Beryl.

RESPONSE:

CCECA did not notify these facilities. Any necessary contacts are typically made directly by a phone call.

SPONSOR:

Bart Bauer

STAFF 1-41 Please describe how you communicate and with what frequency you communicate with critical care and at-risk customers about service outages and restoration efforts.

RESPONSE:

CCECA communicated with social media and mobile apps on an as needed basis.

SPONSOR:

Bart Bauer

STAFF 1-42 For ERCOT-located utilities, please describe any communication with interconnected power generation companies regarding their operational status during Hurricane Beryl.

RESPONSE:

CCECA did not communicate with these companies.

SPONSOR:

Bart Bauer

Electric Utilities – Customer Restoration Workflow

STAFF 1-43 Please state whether you have a service restoration plan regarding service outages caused by extreme or emergency weather events. If you do, please provide a copy of that plan(s). Please include citations to the relevant section(s) of your EOP filed with the PUCT when answering this question.

RESPONSE:

CCECA does have a restoration plan and it is in our Emergency Operations Plan starting on page 25.

SPONSOR:

Bart Bauer

STAFF 1-44 Please describe the procedures followed for customer restoration of service, including prioritization criteria and timelines for restoration of service. Please note if these policies may lead to quicker restoration of service for an area of your service territory relative to the others and why.

RESPONSE:

CCECA prioritizes the outage with the largest number of members first. If a substation outage happens it will be the first outage to be restored. After substation level outages are restored, crews work outages on the substation feeder breakers. Next crews will work on three-phase devices and then single-phase devices. Lastly, they will work on individuals.

SPONSOR:

Bart Bauer

STAFF 1-45 Please describe and explain any changes or modifications made to your service restoration plan(s) during and in the aftermath of the May 2024 Derecho or Hurricane Beryl.

RESPONSE:

CCECA has not made changes or modifications to its service restoration plans.

SPONSOR:

Bart Bauer

STAFF 1-46 Please provide a county-by-county summary of date on which and number of damage assessment, vegetation, and linemen crews that you deployed to assess and begin service restoration efforts after Hurricane Beryl made landfall in the Impacted Area.

RESPONSE:

CCECA had 1 assessment person, 13 cooperative linemen, 11 contractor linemen, and 15 vegetation personnel for Cherokee County.

CCECA had 1 assessment person, 12 cooperative linemen, 3 contract linemen, and 7 vegetation personnel for Smith County.

SPONSOR:

Bart Bauer

STAFF 1-47 Please provide a county-by-county summary of the percentage of your customers that did not have service due to outages caused by Hurricane Beryl for each day from the day Hurricane Beryl made landfall in the Impacted Area to when service was fully restored to your customers.

RESPONSE:

Of the approximately 9000 meters the OMS shows were off on July 8, approximately 60% (5400) were off in Cherokee County and approximately 40% (3600) were off in Smith County. All power was restored on or before the 9th.

SPONSOR:

Bart Bauer

STAFF 1-48 Please describe how calls received by your call centers during and after Hurricane Beryl were incorporated in your service restoration workflow and processes.

RESPONSE:

Those members were added to the outage list if not already there. The service restoration workflow and processes were worked as normal.

SPONSOR:

Bart Bauer

STAFF 1-49 Please describe your coordination efforts with local, state, and federal agencies, as well as any other stakeholders regarding service restoration before, during, and after Hurricane Beryl. Please provide details of any formal agreements or understandings with these parties.

RESPONSE:

CCECA staff made phone calls to local county agencies, as needed.

SPONSOR:

Bart Bauer

STAFF 1-50 Excluding the need to clear significant volumes of vegetation, please identify and described any major challenges you experienced during the process of restoring service to your customers before, during, and after Hurricane Beryl and any solutions implemented to address those challenges.

RESPONSE:

CCECA only experienced normal challenges in the restoration process from Hurricane Beryl.

SPONSOR:

Bart Bauer

STAFF 1-51 Please describe any lessons learned about restoring service to customers during Hurricane Beryl and how what you learned will inform restoration efforts in the future.

RESPONSE:

Lessons are learned after every event and CCECA pursues ways to improve restoration efforts by discussing with its staff, but CCECA's system performed well during recent storms.

SPONSOR:

Bart Bauer

STAFF 1-52 Does your utility employ the National Incident Management System? If yes, please provide the date on which your utility starting using NIMS as its framework for managing emergency event response.

RESPONSE:

CCECA does not employ the National Incident Management System but utilizes a similar framework for managing emergency events.

SPONSOR:

Bart Bauer

STAFF 1-53 Are your emergency response personnel trained in Incident Command System processes? If not, please describe any training your emergency event management personnel have received and how they interact with local and state officials and other utilities.

RESPONSE:

Yes.

SPONSOR:

Bart Bauer

Distribution Infrastructure

STAFF 1-54 Please explain your process for evaluating and replacing distribution poles. Please include an explanation for the following in your response:

- a. How frequently this evaluation is conducted;
- b. What criteria you utilize for this evaluation; and
- c. When you decide to replace the distribution pole.

RESPONSE:

- a. Staking techs check poles daily.
- b. Hammer test and visual inspection.
- c. Employees look for woodpecker holes, insect damage, splitting, and whether it sounds hollow from the hammer test.

SPONSOR:

Bart Bauer

STAFF 1-55 Please provide your minimum required right-of-way (ROW) width for both three-phase and single-phase distribution lines.

RESPONSE:

Right-of-ways are typically at least 30 feet wide for both single-phase and three-phase.

SPONSOR:

Bart Bauer

STAFF 1-56 Identify all feeders on your distribution system affected by Hurricane Beryl or the May 2024 Derecho and provide the following for each identified feeder in MS Excel format:

- a. The quantity and percentage of each installed pole type (e.g., wood, composite, steel, concrete, other) on the feeder before Hurricane Beryl;
- b. The quantity and percentage of pole failures, by pole type, due to Hurricane Beryl;
- c. Identify the primary cause of failure for each pole type on the feeder (e.g., trees, branches, wind, or other);
- d. Identify the primary point of failure of the poles (e.g., crossarm failure, pole leaning, pole break, or other);
- e. NESC construction strength and overload factors the feeder is currently built to;
- f. Identify which feeders are in your plans to rebuild to a higher wind loading standard; and
- g. Provide an estimate for when identified rebuilds will commence.

RESPONSE:

- a. CCECA has around 55,000 wood poles and about 50 steel poles.
- b. Any and all poles that failed were wood poles.
- c. Fallen trees caused all of the pole failures.
- d. Pole breaks and crossarm breaks were the most common.
- e. Medium class B.
- f. None.
- g. N/A.

SPONSOR:

Bart Bauer

STAFF 1-57 If your distribution system includes feeders with poles taller than 60-feet above ground level, please provide the following:

- a. Identify each feeder that has any number of poles meeting this criteria;
- b. Explain the damage experienced on these lines due to either the May 2024 Derecho or Hurricane Beryl; and
- c. Explain the design criteria for these types of lines.

RESPONSE:

Not applicable. None of CCECA's distribution poles are above 60 feet.

SPONSOR:

Bart Bauer

STAFF 1-58 Please explain your standard for distribution pole embedment. In your response, please explain if this standard has changed in the last 10 years.

RESPONSE:

CCECA follows a RUS standard 10% plus two feet. That standard has not changed in the last ten years.

SPONSOR:

Bart Bauer

STAFF 1-59 Please provide the standard distribution pole size and class for both single and three phase lines on your system within the Impacted Area.

RESPONSE:

CCECA mostly and regularly installs 40 ft, class 5 poles for single-phase and 45 ft, class 4 poles for three-phase.

SPONSOR:

Bart Bauer

STAFF 1-60 Please explain the NESC construction strength and overload factors your distribution lines were built to in the past.

RESPONSE:

To the best of our current knowledge, CCECA meets or exceeds all applicable NESC construction strength and overload factors at the time the line was built, and most of CCECA's system is built to exceed NESC medium Grade C.

SPONSOR:

Bart Bauer

STAFF 1-61 Please explain any new NESC construction strength and overload factors you adopted for distribution lines in the last two years to improve system resiliency.

RESPONSE:

None in last two years.

SPONSOR:

Bart Bauer

STAFF 1-62 Please provide the following information regarding distribution feeders in the Impacted Area that did not lose power during Hurricane Beryl and the May 2024 Derecho:

- a. Provide the designed criteria for these lines;
- b. The type of poles installed;
- c. The ROW widths;
- d. Explain if these lines are designed to the latest NESC construction strength and overload factors; and
- e. Explain if any distribution line experienced damage but remained standing.

RESPONSE:

- a. NESC medium Grade B.
- b. Mostly wood, some steel.
- c. 30 feet.
- d. Yes.
- e. Yes, some lines were broken with the pole still left standing.

SPONSOR:

Bart Bauer

STAFF 1-63 Please provide the number of distribution poles that were in service before the May 2024 Derecho. In your response, please provide quantities by pole type and NESC wind loading criteria of the pole.

RESPONSE:

CCECA had and has around 55,000 wooden poles and around 50 steel poles. All poles are located in the medium loading area.

SPONSOR:

Bart Bauer

STAFF 1-64 Please provide the total number of distribution poles that failed due to the May 2024 Derecho. In your response, please provide separate quantities for each pole type and NESC wind loading criteria for the poles that failed, and separately identify the number of pole failures caused by either high wind or structural loading from vegetation or debris.

RESPONSE:

CCECA had 15 wood poles damaged from vegetation outside of the right-of-way. Most of CCECA's system meets or exceeds NESC medium loading.

SPONSOR:

Bart Bauer

STAFF 1-65 Please provide the total number of distribution poles that failed due to Hurricane Beryl. In your response, please provide separate quantities for each pole type and NESC wind loading criteria for the poles that failed, and separately identify the number of pole failures caused by either high wind or structural loading from vegetation or debris.

RESPONSE:

CCECA had 18 wood poles damaged from vegetation outside of the right-of-way. All poles were designed to NESC medium loading.

SPONSOR:

Bart Bauer

STAFF 1-66 For each distribution pole that failed due to the May 2024 Derecho or Hurricane Beryl, please provide the date of the last inspection and explain the planned frequency of those inspections. Additionally, please provide the most recent inspection report for each pole that failed.

RESPONSE:

CCECA employees inspect poles daily. Formal inspection reports are not available.

SPONSOR:

Bart Bauer

STAFF 1-67 Should the PUCT require utilities to construct and maintain distribution feeder equipment located in a hurricane prone area to a certain NESC standard? If so, which ones? If no, why not?

RESPONSE:

No, because it is already an NESC standard that cooperatives tend to follow and utilities are required to follow. Also, a universal mandate would not take into account the specific characteristics of the local electric system which may vary, depending on its location in what may be a broad swath of "hurricane prone areas." Boards of Directors of electric cooperatives maintain exclusive authority over all matters pertaining to electric cooperative systems and tend to make sound decisions for their local systems on such matters.

SPONSOR:

Bart Bauer

Transmission Infrastructure

STAFF 1-68 Please explain your process for evaluating the hardening of transmission lines. If you file an annual storm hardening report under 16 TAC § 25.95, do not merely recite information provided in those filings. In your response, please include an explanation for the following:

- a. How frequently this evaluation is conducted?
- b. What criteria is utilized for this evaluation?
- c. When do you decide to harden transmission lines?

RESPONSE:

Not applicable. Electric cooperatives are not defined as utilities under state law and Commission rules and HCEC does not file an annual storm hardening report under 16 TAC § 25.95. But the Cooperative performs transmission line inspections regularly.

SPONSOR:

Bart Bauer

STAFF 1-69 Please provide the number of transmission structures that were in service before the May 2024 Derecho. In your response, please provide quantities by structure type and NESC wind loading criteria of the structure.

RESPONSE:

CCECA has around 120 steel structures that are all in the medium loading zone.

SPONSOR:

Bart Bauer

STAFF 1-70 Please provide the total number of transmission structures that failed due to the May 2024 Derecho. In your response, please provide separate quantities for each structure type and NESC wind loading criteria of the structure, and separately identify the number of structure failures caused by either high wind or structural loading from vegetation or debris.

RESPONSE:

Zero. This was not a major event for the Cooperative's service area.

SPONSOR:

Bart Bauer

STAFF 1-71 Please provide the total number of transmission structures that failed due to Hurricane Beryl. In your response, please provide separate quantities for each structure type and NESC wind loading criteria of the structure, and separately identify the number of structure failures caused by either high wind or structural loading from vegetation or debris.

RESPONSE:

Zero.

SPONSOR:

Bart Bauer

STAFF 1-72 For each transmission structure that failed due to the May 2024 Derecho or Hurricane Beryl, please provide the date of the last inspection and explain the planned frequency of those inspections. Additionally, please provide the most recent inspection report for each structure that failed.

RESPONSE:

Not applicable. None of the CCECA transmission structures failed.

SPONSOR:

Bart Bauer

Vegetation Management

STAFF 1-73 Provide the following information concerning your vegetation management staff:

- a. Provide the current size of your vegetation management staff. Your response should include a separate figure for full-time staff and independent contractors.
- b. Provide the average size of your vegetation management staff over the last 5 years. Your response should include a separate figure for full-time staff and independent contractors.
- c. Please explain how you determined the appropriate level of full-time vegetation management staff for each of the last 5 years.
- d. Provide the cost difference per circuit-mile between using contractors versus in-house vegetation management crews.
- e. Whether you retain an arborist as part of your permanent vegetation management staff or have an arborist consult with your vegetation management crews.

RESPONSE:

- a. CCECA has one full-time internal employee. It has 18 contractor crews with a total of 27 full-time employees.
- b. The size has not changed over the last five years.
- c. CCECA has operated on a five-year clearing cycle for over 15 years.
- d. CCECA has only used contractors for the last 30 years.
- e. The Cooperative knows a local Arborist consultant that we can use.

SPONSOR:

Bart Bauer

STAFF 1-74 Please describe the minimum clearance standard for vegetation along transmission and distribution power lines at various voltage levels and how these clearances were derived based on your service territory.

RESPONSE:

Typically, CCECA's transmission lines have at least 50-foot right-of-way and the distribution lines have a 30-foot right-of-way.

SPONSOR:

Bart Bauer

STAFF 1-75 Does your company incorporate any inspection of high customer count circuit segments to proactively identify problematic vegetation for circuits that may be outside their normal cycle period?

RESPONSE:

CCECA cuts rights-of-way on a five-year cycle and does not prioritize higher-density areas. CCECA also responds to member reported vegetation issues, as appropriate.

SPONSOR:

Bart Bauer

STAFF 1-76 Please provide inspection logs and field reports from workers who performed VM services in the Impacted Area for the past five years.

RESPONSE:

All documentation for a five-year period of VM is not readily available; however *see* Attachment C – Rights of Way Progress Reports – Staff 1-76, as a sample set for the period of January 1, 2024 through June 30, 2024, which is reflective of normal VM patrolling and maintenance for the Cooperative.

SPONSOR:

Bart Bauer

Right-of-Way Progress Report

January 11, 2024 - February 15, 2024

HARRIS CREW #1

This Crew is at the intersection of FM1252 and CR 3167 out of the Winona area.

HARRIS CREW #4 - JARRAFF

This crew is clearing at HWY 69 S. and CR 2443 out of Rusk.

ARBOR CREW #1 - JARRAFF

This trimming crew is at FM 188 and Saline Dr. Lake Palestine area.

ARBOR CREW #2 - JARRAFF

This trimming crew is at HWY 110 and CR 1306 between Elm Grove and Rusk.

ARBOR CREW #3

This crew continues to clean and maintain ROW in Shady Brook Subdivision.

ARBOR CREW #4 - JARRAFF

This trimming crew is clearing Teaselville FM 344 and FM 346.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report

February 11, 2024 - March 14, 2024

HARRIS CREW #1

This Crew is at the intersection of FM1252 and CR 370 close to HWY 271.

HARRIS CREW #4 - JARRAFF

This crew is clearing at HWY 69 S. and CR 1102 out of Rusk.

ARBOR CREW #1 - JARRAFF

This trimming crew has completed the Lake Palestine area and been moved to CR 294 close to Arp.

ARBOR CREW #2 - JARRAFF

This trimming crew is at CR 1309 and CR 1301 in Elm Grove area.

ARBOR CREW #3

This crew has been moved from Shady Brook Subdivision to Lakeway Harbor Subdivision.

ARBOR CREW #4 - JARRAFF

This trimming crew has completed the Teaselville area and been moved to the Alto Substation off of HWY 69 S.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report

March 14, 2024 – April 10, 2024

HARRIS CREW #1

This crew is at the intersection of CR 370 and HWY 271.

HARRIS CREW #4 - JARRAFF

This crew is clearing at HWY 69 S. and CR 2446

ARBOR CREW #1 - JARRAFF

This trimming crew is at the location of CR 251 and CR 249, close to Arp.

ARBOR CREW #2 - JARRAFF

This trimming crew is on Hwy 110 out of Rusk.

ARBOR CREW #3

This crew is in Lakeway Harbor Subdivision off HWY 155.

ARBOR CREW #4 - JARRAFF

This trimming crew is working in the Linwood area close to HWY 21 and CR 241.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report
April 15, 2024 - May 15, 2024

HARRIS CREW #1

This Crew is in the Petty Place Subdivision on Landry Ln. off HWY 271.

HARRIS CREW #4 - JARRAFF

This crew is clearing off HWY 69 S. on CR 1102-A.

ARBOR CREW #1 - JARRAFF

This trimming crew is at the location of CR 227 and CR 223.

ARBOR CREW #2 - JARRAFF

This trimming crew is on CR 1318 and CR 1316.

ARBOR CREW #3

This crew is in Lakeway Harbor Subdivision off HWY 155.

ARBOR CREW #4 - JARRAFF

This trimming crew is working in the Linwood area close to HWY 21 and CR 2708.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report
May 15, 2024 - June 15, 2024

HARRIS CREW #1

This Crew is on Landry Ln. off HWY 271.

HARRIS CREW #4 - JARRAFF

This crew is clearing on FM 241 close to HWY 69 S.

ARBOR CREW #1 - JARRAFF

This trimming crew on CR 223 and CR 2299.

ARBOR CREW #2 - JARRAFF

This trimming crew is on CR 1318 and CR 1316.

ARBOR CREW #3

This crew is in Lakeway Harbor Subdivision off HWY 155.

ARBOR CREW #4 - JARRAFF

This trimming crew is working in Linwood on CR 2604.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report

June 15, 2024 - July 15, 2024

HARRIS CREW #1

This Crew is on HWY 271 North of I-20.

HARRIS CREW #4 - JARRAFF

This crew is clearing at CR 2407 and CR 2408 in Cherokee Co.

ARBOR CREW #1 - JARRAFF

This trimming crew on CR 246 S. and CR 243.

ARBOR CREW #2 - JARRAFF

This trimming crew is on HWY 110 S. close to the New Summerfield Substation.

ARBOR CREW #3

This crew continues to clear the Lakeway Harbor Subdivision off of HWY 155.

ARBOR CREW #4 - JARRAFF

This trimming crew is working North of Alto on HWY 69 S.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report

July 15, 2024 - August 15, 2024

HARRIS CREW #1

This Crew is on HWY 271 North and FM 757 area.

HARRIS CREW #4 - JARRAFF

This crew is clearing CR 2407 between Rusk and Alto.

ARBOR CREW #1 - JARRAFF

This trimming crew on CR 223 East of FM 2607.

ARBOR CREW #2 - JARRAFF

This trimming crew is on HWY 79 East close to Tri-County Livestock Barn.

ARBOR CREW #3

This crew continues to clear the Lakeway Harbor Subdivision off of HWY 155.

ARBOR CREW #4 - JARRAFF

This trimming crew is working out of Alto finishing up HWY 21 East.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall. They have also been clearing for our overhead contractors for line upgrades.

Scott Creech
CCECA
Right of Way Supervisor

Right-of-Way Progress Report

December 14, 2023 - January 11, 2024

HARRIS CREW #1

This Crew is on FM 1252 out of the Winona area.

HARRIS CREW #4 - JARRAFF

This crew is clearing FM 241 and CR 2443 out of Rusk.

ARBOR CREW #1 - JARRAFF

This trimming crew is on FM 346 at the Shady Brook Subdivision.

ARBOR CREW #2 - JARRAFF

This trimming crew is on HWY 110 in the Elm Grove community.

ARBOR CREW #3

This crew continues to clean and maintain ROW in Shady Brook Subdivision.

ARBOR CREW #4 - JARRAFF

This trimming crew is clearing Teaselville at FM 344 and FM 346.

ARBOR CREW #5

This is a Hotshot crew with a bucket and chipper that works job orders. We are also using this crew to clear for the fiber optic cable installation contractors as well as cut dead trees that may come into contact with the lines if they fall.

Scott Creech
CCECA
Right of Way Supervisor

STAFF 1-77 Does your company conduct proactive vegetation management on feeders located in hurricane prone areas? If so, how far in advance of hurricane season do you send out vegetation management crews?

RESPONSE:

CCECA's vegetation management is achieved on a five-year cycle basis and does not necessarily proactively cut rights-of-way before hurricane season.

SPONSOR:

Bart Bauer

STAFF 1-78 Please provide a list of the circuits that experienced a vegetation-related outage during the May 2024 Derecho and Hurricane Beryl, and provide the following information pertaining to the circuits identified:

- a. The name of the circuit(s);
- b. The date, time, and duration of the outage;
- c. The voltage of the circuit(s);
- d. A description of the cause of the outage; and
- e. The NERC category (Grow-In, Fall-In, Blow-In) associated with the outage.

RESPONSE:

See Attachment D for applicable information.

See Attachment E – Meters per mile per circuit – Staff 1-78.

SPONSOR:

Bart Bauer

| Sub-Feeder | Meters per Mile | Meters | Miles | FT |
|------------|-----------------|--------|----------|--------|
| 0101 | 7.27 | 715 | 98.37925 | 519442 |
| 0102 | 5.19 | 630 | 121.3095 | 640514 |
| 0103 | 4.85 | 624 | 128.5668 | 678833 |
| 0104 | 5.94 | 590 | 99.27123 | 524152 |
| 0201 | 5.21 | 512 | 98.29547 | 519000 |
| 0301 | 8.24 | 134 | 16.26598 | 85884 |
| 0303 | 7.25 | 1024 | 141.2376 | 745735 |
| 0304 | 5.99 | 569 | 95.04147 | 501819 |
| 0305 | 7.57 | 833 | 110.0065 | 580834 |
| 0401 | 6.15 | 506 | 82.33593 | 434734 |
| 0402 | 5.70 | 402 | 70.5026 | 372254 |
| 0403 | 6.45 | 949 | 147.0901 | 776636 |
| 0501 | 8.71 | 372 | 42.72845 | 225606 |
| 0502 | 6.30 | 630 | 100.0539 | 528284 |
| 0503 | 7.67 | 615 | 80.18549 | 423379 |
| 0504 | 8.09 | 1026 | 126.7668 | 669329 |
| 0701 | 10.16 | 600 | 59.05588 | 311815 |
| 0702 | 19.89 | 793 | 39.86651 | 210495 |
| 0703 | 12.28 | 1688 | 137.4723 | 725854 |
| 0801 | 21.42 | 577 | 26.93386 | 142211 |
| 0802 | 16.62 | 1196 | 71.96079 | 379953 |
| 0803 | 8.44 | 158 | 18.72999 | 98894 |
| 1001 | 6.92 | 751 | 108.5404 | 573093 |
| 1101 | 11.92 | 258 | 21.64509 | 114286 |
| 1102 | 7.73 | 468 | 60.52765 | 319586 |
| 1103 | 11.71 | 756 | 64.53604 | 340750 |
| 1104 | 10.92 | 631 | 57.77047 | 305028 |
| 1201 | 9.38 | 448 | 47.74533 | 252095 |
| 1202 | 16.01 | 537 | 33.54358 | 177110 |
| 1203 | 10.22 | 228 | 22.30621 | 117777 |
| 1401 | 12.69 | 680 | 53.59868 | 283001 |
| 1402 | 9.88 | 861 | 87.1731 | 460274 |
| 1403 | 8.42 | 244 | 28.96386 | 152929 |
| 1404 | 4.50 | 185 | 41.15078 | 217276 |

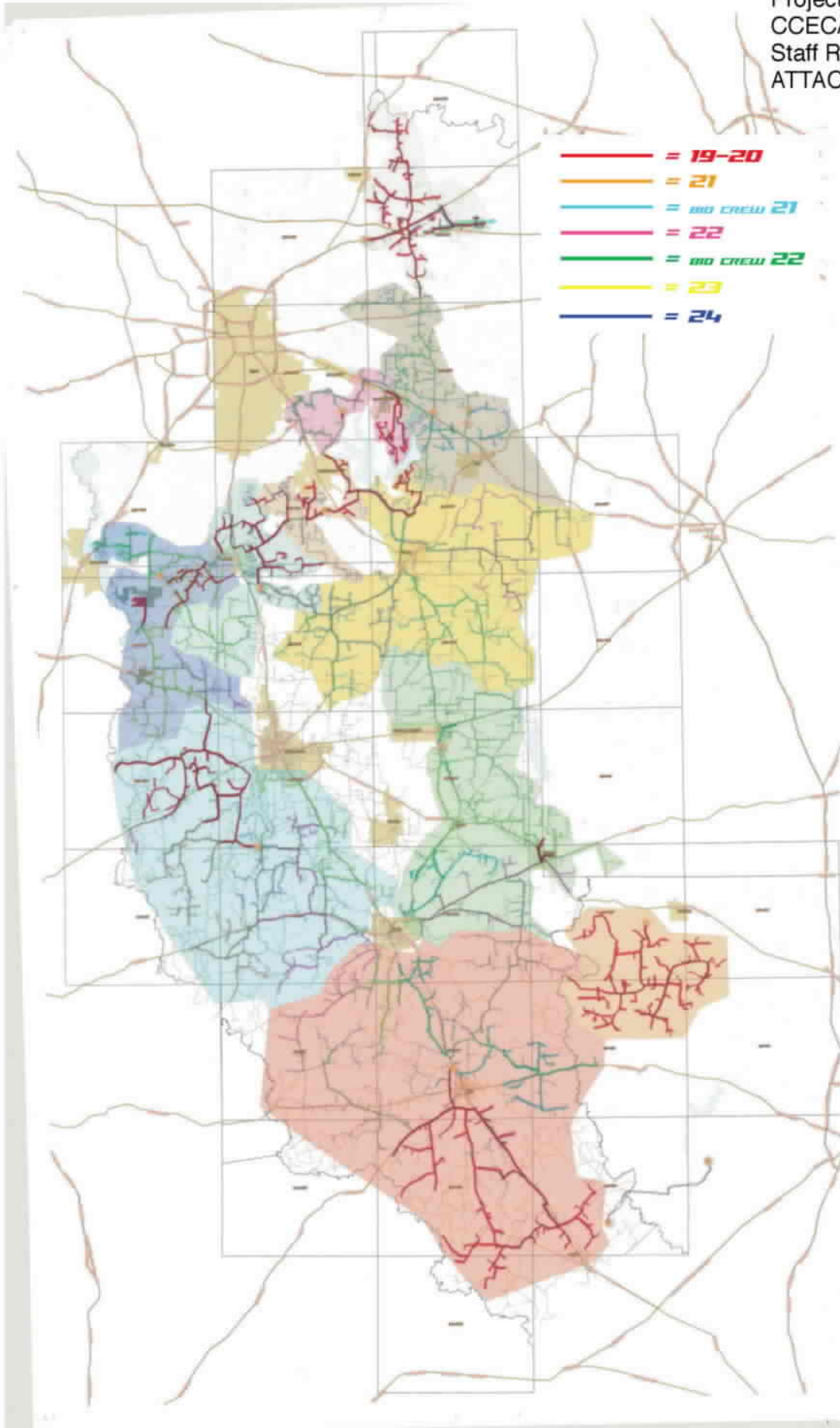
STAFF 1-79 Please provide aerial maps of circuits and their easements that experienced a vegetation-related outage during the May 2024 Derecho and Hurricane Beryl. Overlay the map with the circuits that received vegetation management treatment for the past 5 years, using a distinct color code for each year. Provide any additional information or details to show clarity.

RESPONSE:

See Attachment F – Veg Mgmt Map – Staff 1-79

SPONSOR:

Bart Bauer



STAFF 1-80 For the May 2024 Derecho and Hurricane Beryl, please provide the percentage of forced interruptions that were related to vegetation issues.

RESPONSE:

About 99 % or more of the outages were caused by vegetation from outside of the right-of-way.

SPONSOR:

Bart Bauer

STAFF 1-81 What steps are being taken to address vegetation management and infrastructure issues that contributed to outages or were identified during restoration after the May 2024 Derecho and Hurricane Beryl?

RESPONSE:

CCECA cleared fallen trees from the powerlines during the storms.

SPONSOR:

Bart Bauer

STAFF 1-82 When did you last substantively review, augment, or modify your vegetation management plan before July 8, 2024?

RESPONSE:

CCECA has not recently augmented or modified its vegetation management plan.

SPONSOR:

Bart Bauer

STAFF 1-83 What percentage of vegetation-related outages were caused by trees or branches outside of the easement or right of way? In responding to this question, please provide both an overall percentage and a breakdown for each county within your service territory that was affected by the May 2024 Derecho or within the Impacted Area for Hurricane Beryl.

RESPONSE:

An estimate would be above 99%.

SPONSOR:

Bart Bauer

STAFF 1-84 Describe your programs or initiatives that are designed to work with property owners to address potentially hazardous vegetation management issues that are outside of the utility easement or right of way.

RESPONSE:

Members contact the Cooperative by phone, text, email, or social media. CCECA contacts members by phone, text, or email, as applicable, to undertake solutions to the issues.

SPONSOR:

Bart Bauer

STAFF 1-85 Identify the number of staff that participate in any program or initiative designed to address vegetation management hazards outside of the utility easement or right of way.

RESPONSE:

One. But vegetation management and safety issues are regularly discussed among various staff.

SPONSOR:

Bart Bauer

Staffing and Mutual Assistance

STAFF 1-86 Please state whether you participated in or were a member of any mutual assistance programs on or before July 8, 2024. If yes:

- a. Please identify all mutual assistance programs you participated in or were a member of on that date;
- b. Please provide copies of any agreements entered as part of your membership or participation in those mutual assistance programs; and
- c. Please provide a list of members or participants for each mutual assistance program you are a member or participant in.

RESPONSE:

- a. CCECA has a mutual assistance agreement with TEC and ETEC.
- b. *See Attachment G – Mutual Assistance Agreement – Staff 1-86b*
- c. The companies in the ETEC agreement are as follows: Cherokee County Electric Cooperative, Deep East Texas Electric Cooperative, Houston County Electric Cooperative, Jasper-Newton Electric Cooperative, Northeast Texas Electric Cooperative, Rusk County Electric Cooperative, Sam Houston Electric Cooperative, and Wood County Electric Cooperative.

But all electric cooperatives in the State of Texas are in the TEC mutual assistance agreement.

SPONSOR:

Bart Bauer

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8-28-17

Entity Bowie-Cass Electric Cooperative, Inc.

By Mark A. Boyd

Title GM / CEO

TEXAS ELECTRIC COOPERATIVES – GROUP 1 COOPERATIVES
AGREEMENT ON BILLING OF ASSISTANCE
DURING MAJOR POWER OUTAGES

April 3, 2001

The 10 Cooperatives of Group 1 hereby agree that all assistance during major power outages shall be billed in the following manner:

1. Employees are to be paid 1.5 times their hourly wage for every hour worked.
Hours worked include travel time to and from the home coop to the coop seeking help and hours actually worked. Rest periods at the motel are not considered hours worked.
 - a. Exception – The Cooperative seeking assistance shall honor labor contracts of the Cooperative sending employees if it differs from the above statement.
2. Social Security and Medicare tax on the above labor costs.
3. Workers Comp premium on above labor costs.
4. Materials used from the Cooperative's warehouse.
5. Motel room charges including phone calls.
6. Meals and snacks.
7. Charges for special equipment used by the Assisting Cooperative, shall be at the reasonable and customary rates incurred for such equipment by the Assisting Cooperative.
8. Gasoline/Diesel Fuel used by a vehicle or equipment once it reaches its place of work and not provided by the Cooperative seeking help.

Barna Christine
Bowie-Cass EC

Fred Jones
Cherokee County EC

Larry Warren
Deep East/Texas EC

Ed Hanzoff
Houston County EC

Fred A Solby
Jasper-Newton EC

W. Whitaker
Panola-Harrison EC

Jose Bankhead
Rusk County EC

Sam Houston
Sam Houston EC

John Dorgan
Dushur-Rural EC

Delia Robinson
Wood County EC

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8/29/17

Entity CHEROKEE COUNTY EC

By [Signature]

Title G.M.

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
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- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8/29/17

Entity Deep East Texas EC

By [Signature]

Title General Manager

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8/29/17

Entity East Texas Electric Cooperative

By [Signature]

Title General Manager

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8/29/2017

Entity Houston County Electric
Cooperative, Inc
By [Signature]
Title General Manager

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the Signatories as follows:

1. Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
2. Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
3. Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
4. Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's locations.
 - c) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
5. Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
6. Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date November 12, 2014

Entity Jasper-Newton Electric Cooperative

By Mark Sampson

Title General Manager

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8/29/2017

Entity Sam Houston Electric Cooperative, Inc.

By [Signature], JOSEPH CONNER

Title CFO

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the Signatories as follows:

1. Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
2. Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
3. Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
4. Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's locations.
 - c) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
5. Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
6. Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 4-15-24 Entity CHEROKEE COUNTY EC
By [Signature]
Title CEO/GM

MUTUAL AID AGREEMENT

In consideration of the mutual commitments given herein, each of the Signatories to this Mutual Aid Agreement agrees to render aid to any of the other Signatories as follows:

- 1.) Request for aid. The Requesting Signatory agrees to make its request in writing to the Aiding Signatory within a reasonable time after aid is needed and with reasonable specificity. The Requesting Signatory agrees to compensate the Aiding Signatory as specified in this Agreement and in other agreements that may be in effect between the Requesting and Aiding Signatories.
- 2.) Discretionary rendering of aid. Rendering of aid is entirely at the discretion of the Aiding Signatory. The agreement to render aid is expressly not contingent upon a declaration of a major disaster or emergency by the federal government or upon receiving federal funds.
- 3.) Invoice to the Requesting Signatory. Within 90 days of the return to the home work station of all labor and equipment of the Aiding Signatory, the Aiding Signatory shall submit to the Requesting Signatory an invoice of all charges related to the aid provided pursuant to this Agreement. The invoice shall contain only charges related to the aid provided pursuant to this Agreement.
- 4.) Charges to the Requesting Signatory. Charges to the Requesting Signatory from the Aiding Signatory shall be as follows:
 - a.) Labor force. Charges for labor force shall be in accordance with the Aiding Signatory's standard practices.
 - b.) Equipment. Charges for equipment, such as bucket trucks, digger derricks, and other special equipment used by the Aiding Signatory, shall be at the reasonable and customary rates for such equipment in the Aiding Signatory's location.
 - c.) Transportation. The Aiding Signatory shall transport needed personnel and equipment by reasonable and customary means and shall charge reasonable and customary rates for such transportation.
 - d.) Meals, lodging and other related expenses. Charges for meals, lodging and other expenses related to the provision of aid pursuant to this Agreement shall be the reasonable and actual costs incurred by the Aiding Signatory.
- 5.) Counterparts. The Signatories may execute this Mutual Aid Agreement in one or more counterparts, with each counterpart being deemed an original Agreement, but with all counterparts being considered one Agreement.
- 6.) Execution. Each party hereto has read, agreed to and executed this Mutual Aid Agreement on the date indicated.

Date 8-29-2017

Entity Upshur Rural Electric Cooperative
By [Signature]
Title General Manager