**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:**

Personnel handling calls are trained to recognize information that will assist in restoration efforts or that is a public safety concern. The relevant information including member name, specific location of issue and description of issue is communicated to the Chief Operation Officer coordinating restoration efforts. The Chief Operation Officer assesses the issue and dispatches personnel according to restoration prioritization protocol ensuring appropriate resources (material, equipment and personnel) are deployed.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC participated in TDEM SOC calls prior to Hurricane Beryl. HCEC has no formal agreements or understandings. HCEC follows a communication plan which includes communication with local and state agencies.

Initial communication of predictable emergency is communicated through social media channels providing preparation warnings. During an emergency event, HCEC sends email communication to elected officials, TDEM, PUC, county emergency management officials, local media, HCEC Board of Directors and internal management periodically throughout the day (typically four times a day varying as appropriate for the event and restoration efforts). This communication is shared with all personnel handling calls and through social media outlets and our website to provide accurate and timely information through various channels of communication. The information provides summary of events causing damage to electric distribution infrastructure, outages by county, general location of crews working on restoration, locations of most severe damage, estimated full restoration time and date and notice to critical care consumers. Occasionally, the update may include pictures of damage to better communicate the severity of the situation. Critical infrastructure customers have HCEC cell phone numbers to communicate with us directly, and HCEC has critical infrastructure phone numbers to speak directly as necessary. As necessary, all office personnel handle inbound calls to receive complaints or information on damage. HCEC changes the Interactive Voice Response ("IVR") system to handle high volume of inbound calls for outages opposed to routine business interactions. The IVR system is also customized to messaging appropriate for an emergency event including informing members to prepare for an extended outage and sharing email options for members to support restoration efforts by providing HCEC with locations of damage.

**SPONSOR:**

Kathi Calvert

**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:**

There were no major challenges unique to Hurricane Beryl requiring the implementation of new solutions.

**SPONSOR:**

Kathi Calvert

**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:**

*See* Attachment C – EOP Follow-Up Report.

Lessons are learned after every event and HCEC always seeks ways to improve restoration efforts. The primary areas addressed in our follow-up meeting included equipment/tools, system improvements, communication infrastructure, technology/metering and personnel. A budget evaluation is underway to determine what additional equipment and system improvements to prioritize to enhance restoration efforts. Additional communication back-up equipment has been procured. Additional two-way radios have been ordered, and all radios that did not function properly have been addressed. Accuracy of location and number of all trucks on the map will be addressed with a system upgrade scheduled for the first quarter of 2025. Training has been conducted on radio communication opposed to cell phones to ensure safety of all personnel. Other improvements and enhancements will continue to be evaluated.

**SPONSOR:**

Kathi Calvert

**From:** Kathi Calvert
**To:** Management Team
**Cc:** Shannon Pickens; Hannah Goyens
**Subject:** Notes from EOP Follow-up Meeting Aug 1, 2024
**Date:** Friday, August 2, 2024 2:26:47 PM

---

Below is feedback to improve emergency response. Kelby/Shelby/Shannon/Dean – please add any additional feedback.

We will discuss what to prioritize at next staff meeting.

Equipment/Tools

- Track Bucket, Haul Truck, Trailer
- Pole Saws

System Improvements

- Fault Indicators

Communication Infrastructure

- Back-up generators to sustain communication operations and remote connectivity at substations
- Back-up Starlink
- Maintenance of microwave towers
- Channel 1 works better than Channel 5 with Groveton tower issues get no coverage East
- More handheld radios

Technology/Metering

- Truck # on map are not correct truck #
- Some trucks never move on map
- Toyotas do not show on map and used in restoration
- Aclara/DV limitations with pinging meters
    - Restore based only on field verification?
    - Limit to one person pinging meters
- Accuracy of outages
    - Device – difficult to determine where to dispatch with map
    - Individual/Group – send tickets with 1 or 2 meters out and linemen cannot see tap with 20 meters out in same vicinity

Personnel

- Always communicate on radio – in addition tag work location if possible on lineman app
- Lead lineman/foreman in area direct work of others to improve efficiency
- Assess damage earlier
- Get outside assistance when appropriate
- Communicate with dispatch on radio – not phone

-Kathi

**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:**

The CEO/General Manager was trained in NIMS in 2013 and utilizes the NIMS framework in execution of emergency operations.

**SPONSOR:**

Kathi Calvert

**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:**

Kathi Calvert

**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:**

HCEC follows United States Department of Agriculture Rural Utility Services ("*RUS*") Bulletin 1730-B for wood pole inspection and maintenance protocols.

a. HCEC follows RUS Bulletin 1730-B protocols for decay zone 3 testing poles annually with a system rotation every ten years. Additionally, HCEC employees a line inspector that patrols the system annually performing visual and sound testing on poles.
b. HCEC follows RUS Bulletin 1730-B criteria.
c. Any rejected pole or damaged pole is replaced within three months of identification. Any priority reject is replaced within three days if there is no immediate threat of failure. If there is an immediate threat of failure, the pole is replaced immediately.

**SPONSOR:**

Kathi Calvert

**STAFF 1-55** Please provide your minimum required right-of-way (ROW) width for both 3-phase and single-phase distribution lines.

**RESPONSE:**

HCEC maintains a 30' right-of-way for all primary distribution lines, single-phase and 3-phase.

**SPONSOR:**

Kathi Calvert

**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. *See* Attachment E – Distribution Poles by Feeder.
b. *See* Attachment E – Distribution Poles by Feeder.
c. *See* Attachment E – Distribution Poles by Feeder.
d. *See* Attachment E – Distribution Poles by Feeder.
e. HCEC meets or exceeds all applicable NESC construction strength and overload factors at the time the line was built with any system improvements or alterations to the line adhering to the current NESC standards. HCEC also follows United States Department of Agriculture Rural Utility Services ("*RUS*") applicable construction standards.
f. None.
g. Not applicable.

The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC.

**SPONSOR:**

Kathi Calvert

**Houston County Electric**
**Hurricane Beryl**
**Distrubution Circuits Affected - Pole Data**

| Sub-Feeder | Number of Poles | Pole Type | NESC | Number of Pole Failures | Cause of Pole Failure | Primary Point of Pole Failure |
|---|---|---|---|---|---|---|
| 11-1 | 9466 | Wood | Medium Loading | 7 | Structual loading from vegatation outside of easement | Pole break |
| 11-2 | 3356 | Wood | Medium Loading | 6 | Structual loading from vegatation outside of easement | Pole break |
| 11-3 | 3266 | Wood | Medium Loading | 2 | Structual loading from vegatation outside of easement | Pole break |
| 11-4 | 2165 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 15-1 | 2358 | Wood | Medium Loading | | | |
| 15-2 | 3678 | Wood | Medium Loading | | | |
| 15-4 | 1342 | Wood | Medium Loading | | | |
| 15-5 | 825 | Wood | Medium Loading | | | |
| 15-6 | 795 | Wood | Medium Loading | | | |
| 18-1 | 1,250 | Wood | Medium Loading | | | |
| 18-2 | 1,356 | Wood | Medium Loading | | | |
| 18-3 | 785 | Wood | Medium Loading | | | |
| 18-4 | 825 | Wood | Medium Loading | | | |
| 20-1 | 3266 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 23-1 | 2496 | Wood | Medium Loading | 2 | Structual loading from vegatation outside of easement | Pole break |
| 24-4 | 4862 | Wood | Medium Loading | | | |
| 24-5 | 647 | Wood | Medium Loading | 2 | Structual loading from vegatation outside of easement | Pole break |
| 24-6 | 712 | Wood | Medium Loading | | | |
| 24-7 | 635 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 24-8 | 6247 | Wood | Medium Loading | 3 | Structual loading from vegatation outside of easement | Pole break |
| 25-1 | 854 | Wood | Medium Loading | | | |
| 25-2 | 2644 | Wood | Medium Loading | | | |
| 25-3 | 2467 | Wood | Medium Loading | | | |
| 25-4 | 2136 | Wood | Medium Loading | | | |
| 25-5 | 1168 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 25-7 | 79 | Wood | Medium Loading | | | |
| 27-1 | 3644 | Wood | Medium Loading | | | |
| 27-3 | 1956 | Wood | Medium Loading | | | |
| 27-4 | 3544 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 27-5 | 2798 | Wood | Medium Loading | | | |
| 29-1 | 5947 | Wood | Medium Loading | | | |
| 29-2 | 2366 | Wood | Medium Loading | | | |
| 30-1 | 1456 | Wood | Medium Loading | | | |
| 30-3 | 2640 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 30-5 | 3268 | Wood | Medium Loading | 1 | Structual loading from vegatation outside of easement | Pole break |
| 30-8 | 946 | Wood | Medium Loading | | | |
| **Total** | **88,245** | | | **29** | | |

**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:**

a. Distribution circuit 30-1 has poles taller than 60-feet above ground level at Houston/Madison County lines crossing the Trinity River.
b. There was no damage to these lines in the May 2024 Derecho or Hurricane Beryl.
c. HCEC meets or exceeds all applicable NESC construction strength and overload factors for poles taller than 60-feet above ground level at the time the line is built. In addition, HCEC follows United States Department of Agriculture Rural Utility Services ("*RUS*") applicable construction standards.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC follows United States Department of Agriculture Rural Utility Services ("RUS") applicable construction standards for "Pole Setting Depths." This standard has not changed in the last ten years.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC utilizes a 40' Class 5 pole for standard single-phase construction. HCEC utilizes a 40' Class 3 or Class 4 for standard three-phase construction depending on pole loading conditions.

**SPONSOR:**

Kathi Calvert

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

**RESPONSE:**

HCEC meets or exceeds all applicable NESC construction strength and overload factors at the time the line was built with any system improvements or alterations to the line adhering to the current NESC standards. HCEC also follows United States Department of Agriculture Rural Utility Services ("*RUS*") applicable construction standards.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC has adopted no new NESC construction standards in the last two years.

**SPONSOR:**

Kathi Calvert

**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. All HCEC distribution feeders are designed to meet or exceed all NESC standards at the time the line is built with any system improvements or alterations to the line adhering to the current NESC standards. HCEC also follows United States Department of Agriculture Rural Utility Services ("*RUS*") applicable construction standards.
b. Over 99.99% of HCEC poles installed are wood poles.
c. All ROW widths for overhead primary distribution are maintained at 30'.
d. HCEC distribution feeder are designed to meet or exceed all NESC standards at the time the line is built with any system improvements or alterations to the line adhering to the current NESC standards.
e. Yes, lines experienced damage and remained standing. A majority of the damage resulted from high wind gusts causing trees outside of the easement to fall on distribution lines. With all the damage and downed trees, relatively few poles were broken. There were broke cross arms and conductors on the ground, but 99.97% of the structures withstood the impact of Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC had 89,910 poles in service before the May 2024 Derecho. All HCEC distribution structures adhere to applicable NESC criteria for wind loading at the time the line was built. Any system improvements or alterations to lines adhere to the current NESC standards. All except four poles are wood poles less the 60 feet above ground level. The four steel structures over 60 feet above ground level adhere to current NESC standards. In addition, HCEC adheres to United States Department of Agriculture Rural Utility Services ("*RUS*") Bulletin applicable construction standards.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC had no pole failures in the May 2024 Derecho.

The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC and did not result in any pole failures.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC experienced 29 pole failures due to Hurricane Beryl. All poles failed due to downed trees falling from outside of HCEC's 30' easement.

Pole Failures due to Hurricane Beryl

| Length (ft) | Class | Quantity | NESC Wind Loading | Failure Cause |
|---|---|---|---|---|
| 30 | 6 | 2 | Medium | Structual loading from vegatation outside of easement |
| 35 | 5 | 10 | Medium | Structual loading from vegatation outside of easement |
| 40 | 5 | 14 | Medium | Structual loading from vegatation outside of easement |
| 45 | 4 | 3 | Medium | Structual loading from vegatation outside of easement |
| Total | | 29 | | |

**SPONSOR:**

Kathi Calvert

**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:**

The pole failures in Hurricane Beryl were inspected by a third-pole testing entity following United States Department of Agriculture Rural Utility Services ("*RUS*") Bulletin 1730-B for wood pole inspection and maintenance protocols for decay zone 3 as follows:

**Inspection Date of Pole Failures due to Hurricane Beryl**

| Circuit | Pole Failures | Last Inspection Date | Comment |
|---|---|---|---|
| 11-1 | 7 | 2019 | |
| 11-2 | 6 | 2019 | |
| 11-3 | 2 | 2019 | |
| 11-4 | 1 | 2019 | |
| 20-1 | 1 | 2021 | |
| 23-1 | 2 | 2021 | |
| 24-5 | 2 | 2012 | |
| 24-7 | 1 | 2017 | |
| 24-8 | 3 | 2017 | |
| 25-5 | 1 | 2016 | |
| 27-4 | 1 | N/A | Line rebuilt 2019 |
| 30-3 | 1 | 2021 | |
| 30-5 | 1 | N/A | Line rebuilt 2020 |
| **Total** | **29** | | |

Inspection reports from a third-party inspection company are not available. Independent third-party inspection reports were received via email and stored in an individual company employee's email. HCEC has an email retention policy of two years, and applicable inspection reports have been automatically deleted. *See* Attachment F – Pole Inspection Maps by Year for applicable system maps reflecting areas where poles were tested by year as proof of pole inspection.

In addition, the system is patrolled and visually inspected annually by HCEC personnel.

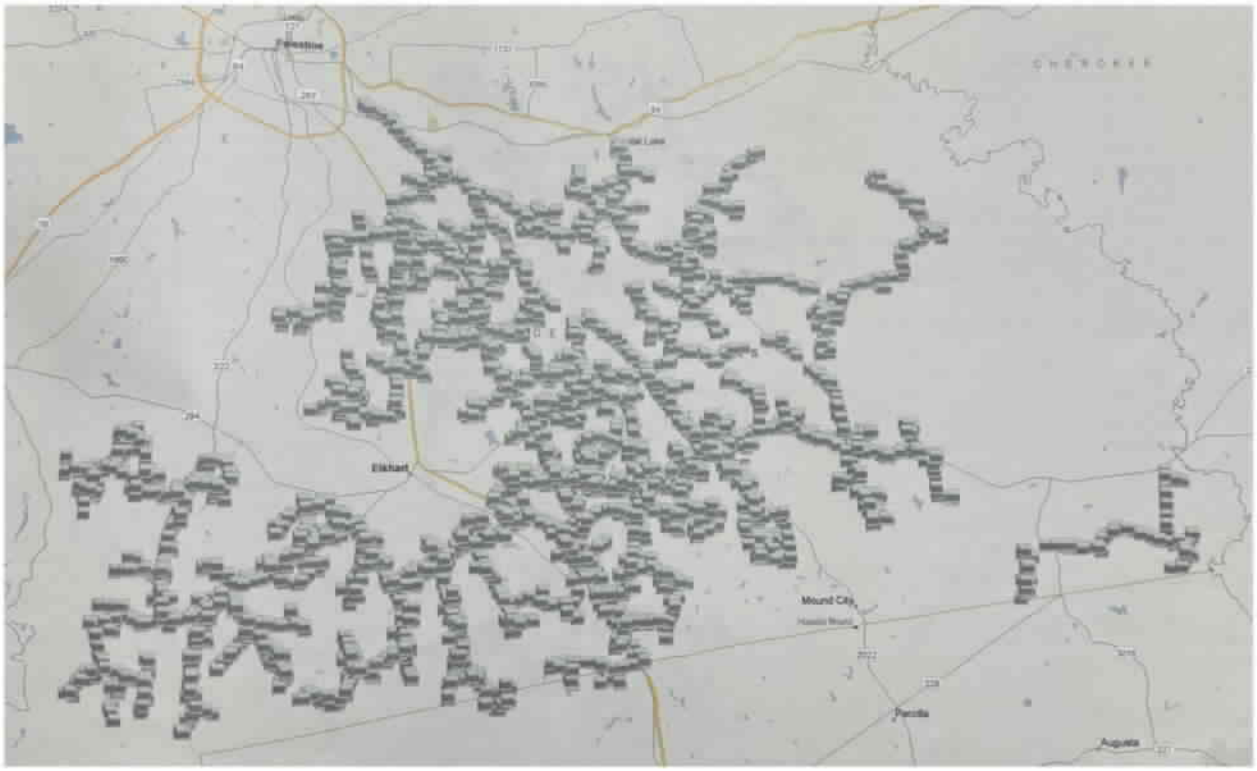
The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC and did not result in the activation of the Emergency Operation Plan. There were no pole failures.

**SPONSOR:**

Kathi Calvert

2012 Pole Inspection – Leon County / Madison County including Circuit 24-5

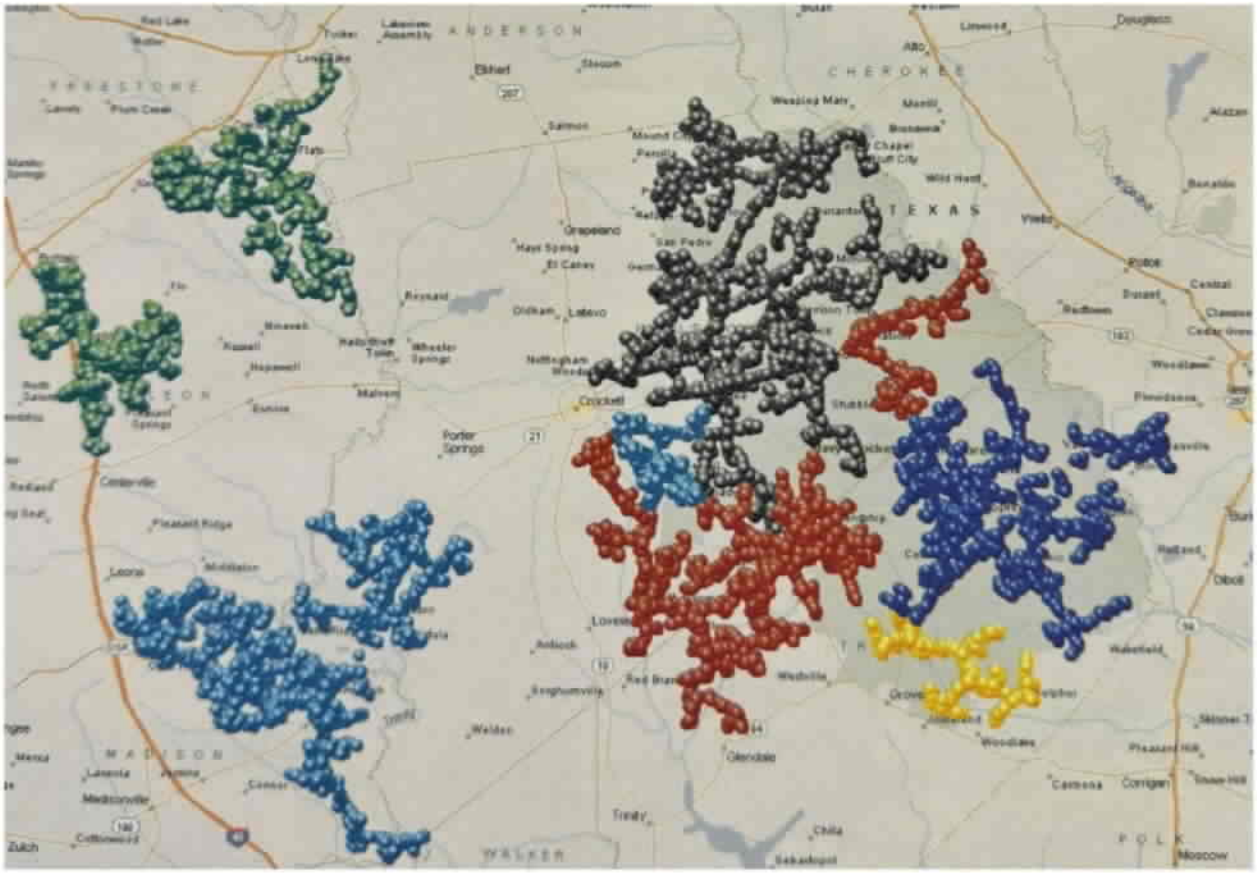
2016 Pole Inspection – Anderson County including Circuit 25-5



2017 Pole Inspection – Leon County including Circuit 24-7 and 24-8

2019 Pole Inspection – Houston County and Trinity County including Circuit 11-1, 11-2, 11-3 and 11-4 (Shaded in dark blue)

2021 Pole Inspection - Houston County and Trinity County including Circuits 20-1, 23-1 and 30-3 (Shaded in red)



**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:**

Not applicable. Electric cooperatives are not defined as utilities under state law and Commission rules. While electric cooperatives already follow and implement NESC standards, the Boards of Directors of electric cooperatives maintain exclusive authority over all matters pertaining to electric cooperative systems.

Moreover, 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."

**SPONSOR:**

Kathi Calvert

**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:**

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.

HCEC performs transmission line inspections annually, vegetation management clearing a minimum of every five years and includes transmission facilities in its Emergency Operation Plan. In April 2024, HCEC performed LiDAR patrol of its transmission facilities and infrared survey wood structure transmission facilities to evaluate hardening and line maintenance.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC had 271 transmission structures in service before the May 2024 Derecho consisting of 143 concrete structures, 124 wood structures and 4 steel structures. All HCEC transmission structures adhere to applicable NESC criteria and/or United States Department of Agriculture Rural Utility Services ("*RUS*") Bulletin 1724E-200 for wind loading at the time the line was designed.

**SPONSOR:**

Kathi Calvert

**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:**

The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC.

No HCEC transmission structures failed due to the May 2024 Derecho.

**SPONSOR:**

Kathi Calvert

**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:**

No HCEC transmission structures failed due to Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**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. HCEC had no transmission structure failures.

**SPONSOR:**

Kathi Calvert

## 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. HCEC employees four full-time vegetation management personnel. In addition, HCEC utilizes three independent contractor companies with 12 to 20 contract personnel working on HCEC's system depending on conditions.

b. HCEC has maintained four vegetation management personnel on staff the past five years.

c. HCEC Board of Directors and management evaluate the priorities of safety, reliability and affordability to determine appropriate staffing levels annually during the budgeting process.

d. In-house vegetation management crews are utilized to remove hazard trees outside the easement and clear areas with faster growth patterns reported by field personnel, the line inspector or members. The in-house vegetation crew also clears site-specific areas ahead of a construction project. There is no comparison to a contractor circuit-mile cost.

e. No, HCEC does not retain an arborist as part of our permanent vegetation management staff.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC maintains a 100' easement for transmission lines and a 30' easement for all primary overhead distribution lines.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC does not have a high customer count circuit with the densest circuit for our service area only reaching 11 meters per mile, the lowest density circuit at less than one meter per mile and a system average of four meters per mile. HCEC utilizes a line inspector patrolling the system annually and all field personnel to identify problematic vegetation. HCEC also responds to member reported vegetation issues.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC utilizes a line inspector to patrol the distribution system annually and report hazards or maintenance issues including vegetation management. Additionally, all field personnel are required to report vegetation management issues. A maintenance work order is issued monthly to capture work performed on the system. Individual service orders are created for member reported vegetation issues. All documentation for vegetation maintenance over five years is not available; however, *see* Attachment G – Inspection Logs and Field Reports for a sample set of data from January 1, 2024 through June 30, 2024, which is reflective of normal vegetation management patrol, inspection and maintenance work performed and reported issued resolved. Equivalent work has been consistently performed for the past five years.

HCEC reports vegetation management work to the Board of Directors monthly. Below is a summary of the vegetation management services performed and inspected for the past five years including the number of miles cleared and hazard trees cut.

**Houston County Electric Cooperative, Inc.**
**Right-of-Way Report**
**2019 - 2024**

| | Miles Cleared | Hazard Trees Cut/Trimmed |
|---|---|---|
| 2019 | 812.0 | 795 |
| 2020 | 710.4 | 867 |
| 2021 | 580.9 | 1300 |
| 2022 | 840.9 | 926 |
| 2023 | 710.3 | 1379 |
| 2024* | 423.8 | 620 |
| **Total** | **4078.3** | **5887** |

*As of June 30, 2024

**SPONSOR:**

Kathi Calvert

# Inspection Log and Field Reports

| | | | |
|---|---|---|---|
| Perry Little | Dead tree for Row | Mon 6/17/2024 8:17 AM | 28 KB |
| Line 4D-3, Pearson Chapel Church, One dead post oak near primary. Flagged. Map#46-39-77-39 | | | |
| Perry Little | One dead pine for Row. | Thu 4/18/2024 12:49 PM | 27 KB |
| Line 23F-85, One dead pine beside 3 phase, fence flagged. Map#46-25-55-67 | | | |
| Perry Little | Six dead trees for Row | Thu 4/18/2024 10:32 AM | 26 KB |
| Line23RN45p4, Five dead pines and one hardwood,flagged. Map#46-32-10-83 | | | |
| Perry Little | Install solid blades on 3 phase break... | Thu 4/18/2024 10:10 AM | 29 KB |
| Line 23RN40p4, Install solid blades on 40-5 Vc8, 50 amp hydraulic's here and working. Pole tag# 175231. Map#46-32-11-05 | | | |
| Perry Little | Install solid blades on 3 phase break... | Thu 4/18/2024 9:59 AM | 29 KB |
| Line 23RN 40, Install solid blades on 40-5 Vc8, 50amp hydraulic's here and working. Map#46-32-11-15 | | | |
| Perry Little | Five dead pines for Row. | Thu 4/18/2024 9:16 AM | 26 KB |
| Line 23R-78, Five dead pines beside 3 phase, flagged. Map#46-31-58-70 | | | |
| Perry Little | Two large dead pines for Row. | Thu 4/18/2024 8:39 AM | 28 KB |
| Line 23R-95, One beside 3phase and single, other beside single phase, both flagged. Map#46-31-59-47 | | | |
| Perry Little | One dead pine for Row. | Thu 4/18/2024 8:30 AM | 26 KB |
| Line 23R-94, One dead pine beside 3 phase,flagged. Map#46-31-59-37 | | | |
| Perry Little | Two dead pines for Row. | Wed 4/17/2024 10:49 AM | 26 KB |
| Line 12-150, Two dead pines beside 3 phase, flagged. Map#46-40-87-60 | | | |
| Perry Little | Dead pine for Row. | Tue 4/16/2024 10:42 AM | 27 KB |
| Line 6-26p50 Large dead pine beside 3 phase.Flagged on high bank ,in front of tree. Map#46-27-47-93 | | | |
| Perry Little | Top pole rotted out. | Tue 4/16/2024 10:16 AM | 28 KB |
| Line 6-26p85, 40-5C1, ridge pin about to fall over. Pole tag #148515 Map#46-27-65-19 | | | |
| Perry Little | 2 dead pines for Row | Mon 4/15/2024 1:18 PM | 26 KB |
| Line 6-51, Two dead pines beside single phase, flagged. Map#46-27-36-17 | | | |
| Perry Little | Four dead pines for Row | Mon 4/15/2024 10:39 AM | 28 KB |
| Line 10-120, Four dead pines beside 3 phase, flagged.(One span North of Loel's House) Map#46-21-73-75 | | | |
| Perry Little | Four dead pines for Row | Mon 4/15/2024 10:39 AM | 27 KB |
| Line 10, Four dead pines beside 3 phase, flagged on bushes in road ditch. Map#46-20-73-63 | | | |
| Perry Little | 3 dead pines for Row | Mon 4/15/2024 9:37 AM | 26 KB |
| Line 10 Puzzlewood, 3 dead pines beside 3 phase. Map#46-20-90-02 | | | |

| From | Subject | Received | Size |
|---|---|---|---|
| Perry Little | 3 dead pines for Row | Mon 4/15/2024 9:37 AM | 26 KB |
| Line 10 Puzzlewood, 3 dead pines beside 3 phase. Map#46-20-90-02 | | | |
| Perry Little | One dead tree for Row | Mon 4/15/2024 8:46 AM | 26 KB |
| Line 7F-63, One dead pine beside 3 phase, flagged. Map#46-21-14-85 | | | |
| Perry Little | Two large dead pines for Row | Mon 4/8/2024 12:39 PM | 27 KB |
| Line 11 Golden Acres, two large dead pines beside 3 phase. Both trees will have to come down piece one piece at | | | |
| Perry Little | 3 dead pines for Row | Mon 4/8/2024 11:22 AM | 26 KB |
| Line 11-80 Pipeline Road, 3 dead pines beside three phase, flagged. Map#46-27-77-18 | | | |
| Perry Little | Three dead pines for Row | Mon 4/8/2024 11:05 AM | 27 KB |
| Line 11-90,Dead end of Pipeline Road,One tree by breaker pole feeding Golden Acres,two trees flagged beside 3 | | | |
| Perry Little | Large dead pine for Row | Mon 4/8/2024 10:34 AM | 27 KB |
| Line 11, Pipeline Road, large pine beside 3 phase flagged. Top half of tree dead bottom alive. Map#46-28-81-89 | | | |
| Perry Little | One dead pine for Row. | Fri 4/5/2024 9:41 AM | 26 KB |
| Line 7E-40, One dead pine beside 3 phase, flagged. Map#46-15-65-29 | | | |
| Perry Little | One dead pine for Row. | Fri 4/5/2024 9:29 AM | 26 KB |
| Line7E-46, One dead pine beside 3 phase, flagged. Map#46-15-45-79 | | | |
| Perry Little | Three dead pines for Row | Fri 4/5/2024 9:17 AM | 25 KB |
| 7E-48p, Three dead pines beside 3 phase, flagged. Map#46-15-35-89 | | | |
| Perry Little | One dead pine for Row | Fri 4/5/2024 8:58 AM | 26 KB |
| Line 7E-48, One dead pine beside 3 phase. Map#46-15-55-10 | | | |
| Perry Little | Two large dead pines for Row | Thu 3/28/2024 10:41 AM | 26 KB |
| Line 8-86, Two dead pines beside single phase, flagged. Map#46-39-28-33 | | | |
| Perry Little | Two dead pines for Row. | Thu 3/28/2024 7:57 AM | 26 KB |
| Line 8-40, Two dead pines beside 3 phase, flagged. Map#46-33-99-19 | | | |
| Perry Little | Dead hardwood for Row | Thu 3/21/2024 1:16 PM | 29 KB |
| Line 2F-56p,Tree layed over against pole and guy wires, flagged. Will need skid steer and saws to get tree off pol | | | |
| Perry Little | One dead pine for Row. | Thu 3/14/2024 9:46 AM | 27 KB |
| Line 23 RN-40p12p8, One large dead pine beside single phase.flagged. Map#46-31-08-76 | | | |
| Perry Little | One dead pine for Row. | Wed 3/13/2024 11:29 AM | 26 KB |
| Line 6E-79, One dead pine beside 3 phase, flagged. Map#46-28-27-36 | | | |

| From | Subject | Received | Size | C.. |
|---|---|---|---|---|
| Perry Little | One dead pine for Row. | Wed 3/13/2024 9:17 AM | 26 KB | |
| Line 7B-68p37, One dead pine beside 3 phase, flagged. Map#46-16-42-40 | | | | |
| Perry Little | One dead pine for Row | Wed 3/13/2024 9:05 AM | 26 KB | |
| Line 7B-68p39, One dead pine beside 3 phase, flagged. Map#46-16-42-28 | | | | |
| Perry Little | 3 dead pines for Row | Wed 3/13/2024 8:17 AM | 26 KB | |
| Line 7-220, Three dead pines beside 3 phase, flagged. Map#46-15-35-20 | | | | |
| Perry Little | One dead pine for Row. | Mon 3/11/2024 1:24 PM | 26 KB | |
| Line 7-177p6, One dead pine beside 3 phase. Map#46-15-67-18 | | | | |
| Perry Little | Two dead pines for Row. | Mon 3/11/2024 11:50 AM | 26 KB | |
| Line 7-149p9, Two dead pines beside single phase, flagged. Map#46-15-79-92 | | | | |
| Perry Little | Four dead pines for Row | Mon 3/11/2024 11:27 AM | 27 KB | |
| Line 7B-19p,Three dead pines beside 3 phase,one beside single phase,flagged. Map #46-15-79-80 | | | | |
| Perry Little | Six dead pines for Row | Mon 3/11/2024 11:14 AM | 26 KB | |
| Line 7B-19p, Six dead pines beside 3 phase, flagged. Map#46-15-90-72 | | | | |
| Perry Little | Two dead pines for Row. | Mon 3/11/2024 11:01 AM | 26 KB | |
| Line 7B-19, Two dead pines beside 3 phase, flagged. Map#46-16-82-81 | | | | |
| Perry Little | Six dead pines for Row | Mon 3/11/2024 10:37 AM | 26 KB | |
| Line 7B-68, Six dead pines beside 3 phase,flagged. Map#46-16-62-48 | | | | |
| Perry Little | Two dead pines for Row. | Mon 3/11/2024 9:19 AM | 26 KB | |
| Line7B-125, Two dead pines beside 3 phase,flagged. Map#46-16-97-12 | | | | |
| Perry Little | One dead pine for Row. | Mon 3/11/2024 8:46 AM | 26 KB | |
| Line 9BA-32, One dead pine beside 3 phase, flagged. Map#46-23-43-62 | | | | |
| Perry Little | Retire 10kva transformer. | Mon 3/11/2024 8:28 AM | 30 KB | |
| Line 9B-126, Retire 10kva transformer and 30' #4 triplex laying on ground, on 35-5Vc1. Map#46-23-63-65 Pole t. | | | | |
| Perry Little | 3 dead pines for Row | Fri 3/8/2024 11:57 AM | 27 KB | |
| Line 4E-5 , 3 dead pines beside single phase, flagged and fence flagged. Map#46-46-22-47 | | | | |
| Perry Little | 4 dead pines for Row. | Wed 3/6/2024 12:46 PM | 27 KB | |
| Line 3,Four dead pines beside 3 phase, trees flagged and fence flagged. Map#46-39-26-18 | | | | |
| Perry Little | Dead pines for Row. | Wed 3/6/2024 12:35 PM | 27 KB | |
| Line 3-150, 5 dead pines flagged beside 3 phase, trees flagged and fence,flagged. Map #46-39-26-28 | | | | |

| From | Subject | Received | Size | C |
|---|---|---|---|---|
| Perry Little | One dead tree for Row | Wed 3/6/2024 8:50 AM | 26 KB | |
| Line 3F-51p33, One dead pine beside single phase. Flagged. Map#46-45-13-32 | | | | |
| Perry Little | Two oaks for Row | Tue 3/5/2024 8:39 AM | 27 KB | |
| Line 4-242p24, One dead and one live beside,single phase. (Flagged) Map#46-45-66-76 Charlie Gardner's camp l | | | | |
| Perry Little | Two dead pines for Row | Mon 3/4/2024 10:45 AM | 26 KB | |
| Line 1-310, Two dead pines beside 3 phase, flagged. Map#46-23-66-57 | | | | |
| Perry Little | Two dead pines for Row | Mon 3/4/2024 10:33 AM | 26 KB | |
| Line 1-280, Two dead pines beside 3 phase,flagged. Map#46-23-76-23 | | | | |
| Perry Little | One dead pine for Row | Mon 3/4/2024 10:17 AM | 26 KB | |
| Line 9B, One dead pine beside 3 phase, flagged. Map#46#23-74-18 | | | | |
| Perry Little | Two dead pines for Row | Mon 3/4/2024 10:07 AM | 26 KB | |
| Line 9B, Two dead pines beside 3 phase. Map#46-23-63-88 | | | | |
| Perry Little | Broken pole, primary floated. | Mon 3/4/2024 9:36 AM | 27 KB | |
| Line 1-253, 40-5 Vc1 (Shielded) 4/0 primary 1/0 neutral, 10' crossarm. Pole Tag# 126052 Map#46-29-25-03 | | | | |
| Perry Little | Two dead pines for Row | Mon 3/4/2024 9:03 AM | 26 KB | |
| Line1–219, Two dead pines beside 3 phase.Flagged. Map#46-29-33-46 | | | | |
| Perry Little | Two dead pines for Row. | Mon 3/4/2024 8:41 AM | 27 KB | |
| Line 1-154, Two dead pines beside 3 phase, Fence flagged. Map#46-28-79-43 | | | | |
| Perry Little | Dead pines for Row | Mon 3/4/2024 8:31 AM | 26 KB | |
| Line 1-137, Two dead pines beside single phase,Flagged. Map#46-28-79-04 | | | | |
| Perry Little | Dead pines for Row | Mon 3/4/2024 8:05 AM | 26 KB | |
| Line 1-116, Three dead pines beside 3 phase, Flagged. Map# | | | | |
| Perry Little | Dead pines for Row. | Wed 2/28/2024 2:22 PM | 26 KB | |
| Line 2-92, Two big dead pines beside 3 phase.(Flagged) Map#46-35-62-77 | | | | |
| Perry Little | Dead pines for Row | Wed 2/28/2024 2:08 PM | 26 KB | |
| Line 2-92 p, Five dead pines beside 3 phase.Flagged. Map#46-35-62-86 | | | | |
| Perry Little | Dead trees for Row | Wed 2/28/2024 9:00 AM | 27 KB | |
| Line 2K-120, Nine dead pines beside 3 phase. Flagged. Map#46-35-68-08 | | | | |
| Perry Little | Neutral down on 3 phase. | Wed 2/28/2024 8:47 AM | 27 KB | |
| Line 2K-125, One span of #4ascr neutral down between two Vc1's, poles flagged. Map#46-35-58-07 | | | | |

| From | Subject | Received | Size | C... |
|---|---|---|---|---|
| Perry Little | Dead pines for Row | Wed 2/28/2024 8:31 AM | 26 KB | |
| Line 2K-130, Six dead pines beside 3 phase, Flagged. Map#46-35-48-57 | | | | |
| Perry Little | One dead pine for Row | Tue 2/27/2024 2:14 PM | 26 KB | |
| Line 2K-58, One dead pine beside 3 phase. Map#46-41-17-70 | | | | |
| Perry Little | Dead pines for Row | Tue 2/27/2024 2:06 PM | 26 KB | |
| Line 2K -70, Two dead pines beside 3 phase, 4 spans apart, Flagged. Map#46-41-08-61 | | | | |
| Perry Little | Dead pines for Row. | Tue 2/27/2024 9:30 AM | 27 KB | |
| Line 2G-45, Dead pines beside 3 phase, total of 12 flagged. Map#46-41-50-41 | | | | |
| Perry Little | Dead pines for Row. | Tue 2/27/2024 9:15 AM | 27 KB | |
| Line2G-38, Dead pines beside 3 phase,3 spans worth,total of 23 dead pines from Buddy Blackstock drive way south. | | | | |
| Perry Little | Dead pines for Row. | Tue 2/27/2024 8:44 AM | 27 KB | |
| Line2G-40, Four dead pines beside 3 phase, one beside single phase and yd.lt. circuit. Map#46-41-49-67 Address 93 | | | | |
| Perry Little | Dead pines for Row. | Tue 2/27/2024 8:26 AM | 27 KB | |
| Line 2G-33, Four spans of dead pines beside 3phase, total of 38 trees flagged. Map#46-41-49-64 | | | | |
| Perry Little | Dead pines for Row. | Tue 2/27/2024 7:59 AM | 26 KB | |
| Line 2G-30, Five dead pines beside 3 phase, flagged. Map#46-41-49-72 | | | | |
| Perry Little | 4 dead pines for Row | Tue 2/27/2024 7:52 AM | 27 KB | |
| Line 5-163p35, Four dead pines beside 3 phase, flagged. Map#46-42-60-24 | | | | |
| Perry Little | One dead tree for Row | Tue 2/27/2024 7:52 AM | 26 KB | |
| Line 5-163p31, One dead pine beside 3 phase, flagged. Map#46-42-60-33 | | | | |
| Perry Little | Two dead pines for Row. | Mon 2/26/2024 1:42 PM | 26 KB | |
| Line 2H-30, Two large dead pines beside single phase ,flagged. Map#46-41-88-14 | | | | |
| Perry Little | Dead pines for Row. | Mon 2/26/2024 12:05 PM | 26 KB | |
| Line 5-163p25, Six little dead pines and one big ,beside 3 phase, flagged. Map#46-42-60-22 | | | | |
| Perry Little | Two dead pines for Row | Mon 2/26/2024 11:40 AM | 26 KB | |
| Line 5-163p47, Two dead pines beside 3 phase,flagged. Map#47-37-51-40 | | | | |
| Perry Little | Dead trees for Row | Mon 2/26/2024 11:22 AM | 27 KB | |
| Line 5-163p52, 37 dead pines beside 3 phase from Helmic south to Fm 357. Map#47-37-52-45 to47-37-52-52. | | | | |
| Perry Little | Dead pines for Row | Mon 2/26/2024 10:34 AM | 27 KB | |
| Line 5-127, Four dead pines, beside 3 phase,flagged. Map#47-37-22-46 | | | | |

| From | Subject | Received | Size | C.. |
|---|---|---|---|---|
| Perry Little | Dead pines for Row | Mon 2/26/2024 10:18 AM | 27 KB | |
| Line 5-137, Ten dead pines beside 3 phase, flagged. From Apple Springs V.F.Department, 4 spans West. Map#47-3 | | | | |
| Perry Little | Dead pines for Row | Mon 2/26/2024 9:55 AM | 27 KB | |
| Line 5-138, Seven dead pines beside 3 phase flagged 1/2 mile west of Apple Springs Fire Station, scattered over 4 s | | | | |
| Perry Little | Dead pines for Row | Mon 2/26/2024 9:38 AM | 26 KB | |
| Line 5-155, Five large dead pines beside 3 phase.Flagged. Map#46-42-40-01 | | | | |
| Perry Little | Dead pines for Row | Mon 2/26/2024 9:19 AM | 26 KB | |
| 5-140, Two dead pines beside 3 phase flagged. Map#46-42-30-47 | | | | |
| Perry Little | Dead pines for Row | Mon 2/26/2024 9:06 AM | 27 KB | |
| Line 5-142, Seven dead pines for Row, beside 3 phase flagged. Map#46-42-30-65 | | | | |
| Perry Little | 3 dead pines for Row | Mon 2/26/2024 8:52 AM | 26 KB | |
| Line 5-165, Three very large dead pines beside 3 phase flagged. Map#46-42-39-65 | | | | |
| Perry Little | Dead pines for Row. | Wed 2/21/2024 1:23 PM | 26 KB | |
| Line 5-163p, 11 dead pines beside 3 phase. Flagged. Map#47-37-53-62 | | | | |
| Perry Little | Dead pines for Row | Wed 2/21/2024 1:03 PM | 26 KB | |
| Line 5-163p, 8 dead pines beside 3 phase.(Flagged) Map#47-37-63-54 | | | | |
| Perry Little | 4 dead pines for Row | Wed 2/21/2024 12:51 PM | 26 KB | |
| Line 5T, 4 dead pines beside 3 phase. Flagged. Map#47-37-73-09 | | | | |
| Perry Little | Put new anchor down, for constructi... | Wed 2/21/2024 12:39 PM | 26 KB | |
| Line5T-119p, Put new anchor down on 35-5Va3, Pole tag# 112532 Map#47-37-73-59 | | | | |
| Perry Little | Dead pines for Row | Wed 2/21/2024 12:32 PM | 27 KB | |
| Line 5T-119, Seven dead pines beside single phase, trees are scattered over 4 spans all flagged. Map#47-37-73-59 | | | | |
| Perry Little | Four dead pines for Row. | Wed 2/21/2024 12:24 PM | 27 KB | |
| Line 5T-119, Four dead pines beside single phase.(Flagged) Map#47-37-73-69 | | | | |
| Perry Little | Two dead pines for Row | Wed 2/21/2024 11:57 AM | 26 KB | |
| Line 5T-121, Two dead pines beside 3 phase.(Flagged) Map#47-37-84-43 | | | | |
| Perry Little | Two dead pines for Row | Wed 2/21/2024 11:30 AM | 26 KB | |
| Line 5-302, Two dead pines beside single phase, one span apart.(Flagged) Map#46-48-38-43 | | | | |
| Perry Little | One dead pine for Row | Wed 2/21/2024 11:18 AM | 26 KB | |
| Line 5-280, One dead pine beside 3 phase.Flagged. Map#46-48-38-04 | | | | |

| From | Subject | Received | Size | C... |
|---|---|---|---|---|
| Perry Little | One dead pine for Row | Wed 2/21/2024 11:11 AM | 26 KB | |
| Line 5-271, One dead pine beside 3 phase. Fence flagged. Map#46-48-28-93 | | | | |
| Perry Little | 4 dead pines for Row | Wed 2/21/2024 10:54 AM | 26 KB | |
| Line 5-269, Four dead pines beside 3 phase. Map#46-48-17-55 | | | | |
| Perry Little | One dead pine for Row | Wed 2/21/2024 10:47 AM | 26 KB | |
| Line 5-267, One dead pine beside 3 phase (Flagged) Map#46-48-17-41 | | | | |
| Perry Little | 5 dead pines for Row | Wed 2/21/2024 10:41 AM | 26 KB | |
| Line 5-265, Five dead pines beside 3 phase (Flagged) Map#46-48-16-59 | | | | |
| Perry Little | Dead pines for Row | Wed 2/21/2024 10:28 AM | 27 KB | |
| Line 5-255, Nine dead pines beside 3 phase (Flagged) Map#46-48-16-56 | | | | |
| Perry Little | 4 dead pines for Row | Wed 2/21/2024 10:13 AM | 26 KB | |
| Line 5-234, Four dead pines beside 3 phase( Flagged). Map#46-48-16-52 | | | | |
| Perry Little | 3 dead pines for Row | Wed 2/21/2024 9:56 AM | 26 KB | |
| Line 5-232, Three dead pines beside 3 phase (Flagged) Map#46-48-16-64 | | | | |
| Perry Little | 6 dead pines for Row | Wed 2/21/2024 9:50 AM | 26 KB | |
| Line 5-230, Six dead pines beside 3 phase (Flagged). Map#46-48-15-59 | | | | |
| Perry Little | 2 dead pines for Row | Wed 2/21/2024 9:30 AM | 26 KB | |
| Line5-228, 2 dead pines beside 3 phase flagged. Map#46-48-15-47 | | | | |
| Perry Little | 3 dead pines for Row | Wed 2/21/2024 9:13 AM | 27 KB | |
| Line5-226, Three dead pines beside 3 phase. GPS. On one tree,other two are 2 spans South . Map#46-48-15-33 | | | | |
| Perry Little | One dead pine for Row | Wed 2/21/2024 8:23 AM | 26 KB | |
| Line 2-94, One large dead pine beside 3 phase. Map#46-41-12-55 | | | | |
| Perry Little | 3 dead pines for Row | Wed 2/21/2024 8:15 AM | 27 KB | |
| Line 2-78, 3 dead pines beside 3 phase, flagging on fence in front of trees. Map#46-40-20-05 | | | | |
| Perry Little | One dead pine beside 3 phase for R... | Wed 2/21/2024 7:57 AM | 26 KB | |
| Line, One dead pine beside 3 phase, intersection Highway 287 and Cr4520 flagged. Map#46-34-88-77 | | | | |
| Perry Little | 20 dead pines for Row | Tue 2/20/2024 11:51 AM | 29 KB | |
| Line 5D-136, 20 dead pines beside 3 phase, from Oaklawn Church towards Groveton 3 or. 4 spans worth. Flagging o | | | | |
| Perry Little | 5 dead pines for Row | Tue 2/20/2024 11:25 AM | 26 KB | |
| Line 5D-105, Five dead beside 3 phase and highway 94 flagged. Map#46-42-85-95 | | | | |

| From | Subject | Received | Size |
|---|---|---|---|
| Perry Little | 2 dead pines for Row | Tue 2/20/2024 11:03 AM | 27 KB |
| Line 5D-98, Two dead pines beside 3 phase on Highway 94. Bushes flagged in front of trees. Map#46-42-85-10 | | | |
| Perry Little | 4 dead pines for Row | Tue 2/20/2024 10:53 AM | 29 KB |
| Line 5-98, Four dead pines beside 3 phase. Flagging on fence on high way 94, trees on right across field.(Map # is | | | |
| Perry Little | 5 dead pines for Row | Tue 2/20/2024 10:32 AM | 26 KB |
| Line 5D-65, Five dead pines beside 3 phase. Flagged. Map#46-42-56-59 | | | |
| Perry Little | 3 dead pines for Row | Tue 2/20/2024 10:23 AM | 26 KB |
| Line 5D-63, Three dead pines beside 3 phase.Flagged. Map#46-42-56-49 | | | |
| Perry Little | 3 dead pines for Row | Tue 2/20/2024 10:15 AM | 26 KB |
| 5D-57, Three dead pines beside 3 phase, flagged. Map#46-42-56-29 | | | |
| Perry Little | 6 dead pines for Row. | Tue 2/20/2024 10:06 AM | 26 KB |
| Line 5 D-20, Six dead pines beside 3 phase.Flagged. Map#46-42-46-79 | | | |
| Perry Little | One dead pine for Row | Tue 2/20/2024 10:00 AM | 26 KB |
| Line 5D-22, One dead pine beside 3 phase. Map#46-42-46-59 | | | |
| Perry Little | 7 dead pines for Row | Tue 2/20/2024 9:50 AM | 26 KB |
| Line 2G-114, Seven dead pines flagged beside 3 phase. Map#46-42-36-88 | | | |
| Perry Little | 20 dead pines for Row | Tue 2/20/2024 9:39 AM | 26 KB |
| Line 2G-113, 20 dead pines beside 3 phase flagged . Map#46-42-36-85 | | | |
| Perry Little | One dead pine for Row | Tue 2/20/2024 9:26 AM | 26 KB |
| Line 2G111, One dead pine beside 3 phase,flagging on fence. Map#46-42-36-82 | | | |
| Perry Little | 5 dead pines for Row | Tue 2/20/2024 9:17 AM | 26 KB |
| Line 2G-110, 5 dead pines flagged beside 3 phase. Map#46-42-45-05 | | | |
| Perry Little | One dead pine for Row. | Tue 2/20/2024 9:08 AM | 26 KB |
| Line 2G-109, one big dead pine flagged, beside 3 phase. Map#46-42-35-87 | | | |
| Perry Little | 2 dead trees for Row | Tue 2/20/2024 8:56 AM | 26 KB |
| Line2G-107, Two dead pines beside 3 phase. Map#46-42-35-81 | | | |
| Perry Little | Dead pines for Row | Tue 2/20/2024 8:44 AM | 26 KB |
| Line 2G-105, 2 spans of dead pines beside 3 phase,fence flagged .32 total . Map#46-42-34-58 | | | |
| Perry Little | 12 dead pines in one span for Row. | Tue 2/20/2024 8:15 AM | 26 KB |
| Line 2G-98, 12 dead pines flagged beside 3 phase. Map#46-42-34-58 | | | |

| From | Subject | Received | Size | C... | M |
|---|---|---|---|---|---|
| Perry Little | Install blades on Ocr | Tue 2/20/2024 7:58 AM | 27 KB | | |
| Line2G-42, Install cutouts and blades on 25 amp Ocr on 35-6 Va6. Pole tag #136398. Map#46-41-49-60 | | | | | |
| Perry Little | Five dead pines for Row | Mon 2/19/2024 9:31 AM | 26 KB | | |
| Line 4E-101 p7, Five dead pines beside single phase flagged. Map#46-46-63-52 | | | | | |
| Perry Little | Bird wire 40-5 Va1, because of woo... | Thu 2/15/2024 2:25 PM | 35 KB | | |
| Line 4-99p10p2p10 New tap to Brad Larue Map#46-40-72-31 | | | | | |
| Perry Little | 4 dead pines beside single phase for... | Mon 2/12/2024 10:18 AM | 35 KB | | |
| Line 3K dead pines beside single phase, flagged on Dickson Hopewell Road. Map#46-33-45-89 | | | | | |
| Perry Little | Dead pines for Row | Fri 2/9/2024 12:26 PM | 34 KB | | |
| Line 1 B,At end of Fm 3187 on cr 1050, 18 dead pines flagged beside 3 phase. Map#46-34-09-78 | | | | | |
| Perry Little | One dead pine for Row | Fri 2/9/2024 11:53 AM | 34 KB | | |
| Line 1B-78, One dead pine beside 3 phase, flagged. Map#46-29-93-60 | | | | | |
| Perry Little | 6 dead pines beside 3 phase for Row | Fri 2/9/2024 11:43 AM | 34 KB | | |
| Line 1B-82, 6 dead pines beside 3 phase ,flagged. Map#46-29-93-40 | | | | | |
| Perry Little | 4 dead pines for Row | Fri 2/9/2024 11:14 AM | 34 KB | | |
| Line 1B-129 | | | | | |
| Perry Little | 3 dead pines for Row | Fri 2/9/2024 10:14 AM | 34 KB | | |
| Line 1B-144, 3 dead pines beside 3 phase flagged. Map#46-29-86-42 | | | | | |
| Perry Little | One large pine for Row | Fri 2/9/2024 9:52 AM | 35 KB | | |
| Line 1D-26 One large dead pine beside 3 phase in creek bottom. Map#46-29-54-02 | | | | | |
| Perry Little | 3 dead pines for Row | Fri 2/9/2024 9:01 AM | 34 KB | | |
| Line 1B, 3 dead pines beside double circuit, flagged. Map#46-29-92-44 | | | | | |
| Perry Little | 4 dead pines for Row | Fri 2/9/2024 8:45 AM | 35 KB | | |
| Line 1B, 4 dead pines, 1/4 mile south of Beria Sub near double circuit. Map#46-35-12-95 | | | | | |
| Perry Little | One large pine for Row | Thu 2/8/2024 11:27 AM | 34 KB | | |
| Line 2H-28p5, One large dead beside single phase on Louisville Road .Flagged Map#46-41-78-53 | | | | | |
| Perry Little | 20 dead pines for Row. | Thu 2/8/2024 8:54 AM | 35 KB | | |
| Line 12-84p27 Mitcha Tap, 20 dead pines beside single phase flagging on fence or bushes on Cr 4037. Map#46-40-4 | | | | | |
| Perry Little | Six dead pines for Row | Wed 2/7/2024 2:14 PM | 35 KB | | |
| Line 4-30, Six dead pines beside 3 phase, fence flagged in front of trees.C road 4020. Map #46-40-14-46 | | | | | |

| From | Subject | Received | Size | C… | M |
|---|---|---|---|---|---|
| Perry Little | One dead pine for Row. | Wed 2/7/2024 1:58 PM | 34 KB | | |
| Line 4-35, One dead pine beside 3 phase. Flagged. Map#46-40-14-87 | | | | | |
| Perry Little | Two dead oaks for Row | Wed 2/7/2024 9:11 AM | 34 KB | | |
| Line 4-242p23, two dead oaks beside single phase flagged. Map# 46-45-66-83 | | | | | |
| Perry Little | One dead pine for Row | Tue 2/6/2024 1:13 PM | 34 KB | | |
| Line 12-30, One dead pine beside 3 Phase flagged. Map#46-34-95-55 | | | | | |
| Perry Little | Three large dead pines for Row | Tue 2/6/2024 7:54 AM | 34 KB | | |
| Line 3-25, Three large pines flagged beside 3 phase.Ribbon on fence Cr 2000. Map#46-34-52-01 | | | | | |
| Perry Little | One dead pine for Row | Mon 1/29/2024 9:30 AM | 36 KB | | |
| Line 3-241p15, Dead pine beside single phase. Flagged. Map#46-39–73-28 | | | | | |
| Perry Little | On dead pine for Row | Fri 1/26/2024 10:10 AM | 35 KB | | |
| 4F-45, One dead pine beside 3 phase flagged. Map#46-45-65-82 | | | | | |
| Perry Little | One dead pine for Row | Fri 1/19/2024 9:58 AM | 35 KB | | |
| Line 2K-86 One tall pine beside 3 phase flagged. Map#46-35-98-11 | | | | | |
| Perry Little | 3 dead pines for Row | Fri 1/19/2024 9:43 AM | 35 KB | | |
| Line 2K-61, 3 dead pines beside 3 phase flagged. Map#46-41-18-41 | | | | | |
| Perry Little | Two large dead pines for Row | Fri 1/19/2024 9:34 AM | 36 KB | | |
| Line 2K-64, Two large dead pines beside 3 phase (flagged) Map#46-41-08-81 | | | | | |
| Perry Little | One dead pine for Row | Fri 1/19/2024 9:25 AM | 36 KB | | |
| Line 2K-78, one dead tree beside 3 phase. (Flagged) Map# 46-41-08-41 | | | | | |
| Perry Little | 5 dead pines for Row | Fri 1/19/2024 8:35 AM | 36 KB | | |
| Line 5D-32 Five dead pines beside 3 phase.(North Scrub Creek Road) Map#46-42-36-49 | | | | | |
| Perry Little | New anchor | Mon 1/8/2024 10:38 AM | 37 KB | | |
| Pole#3-131, Shorten anchor on 40-5Vc2-Va5 to move it out highway Row. Flagged. | | | | | |

| From | Subject | Received | Size | C... |
|---|---|---|---|---|
| Trevor Brooks | Replace 3-50 Amp Hubble Breakers | Thu 8/15/2024 8:03 AM | 29 KB | |
| Lat/Lon: 31.404022 / -95.459144, +/- 3m Elevation: 136m +/- 9m Vel: 0.29ms@181°T Time: 07:58 2024-08-15 | | | | |
| **Ago** | | | | |
| Trevor Brooks | Dead tree next to single phase tap | Thu 8/8/2024 8:21 AM | 28 KB | |
| Lat/Lon: 31.622250 / -95.539639, +/- 4m Elevation: 131m +/- 10m Vel: 0.02ms@181°T Time: 08:18 2024-08-08 | | | | |
| Trevor Brooks | Two dead oak trees next to three ph... | Thu 8/8/2024 8:05 AM | 27 KB | |
| Lat/Lon: 31.621883 / -95.540011, +/- 13m Elevation: 132m +/- 6m Vel: 0.04ms@259°T Time: 08:02 2024-08-08 | | | | |
| Trevor Brooks | Replace Broke 35' VC1 | Wed 7/24/2024 8:52 AM | 27 KB | |
| Lat/Lon: 31.587814 / -95.666924, +/- 10m Elevation: 129m +/- 8m Vel: 0.02ms@359°T Time: 08:43 2024-07-24 | | | | |
| Trevor Brooks | Dead pine leaning towards line | Thu 6/27/2024 9:26 AM | 28 KB | |
| Lat/Lon: 31.524995 / -95.490238, +/- 4m Elevation: 145m +/- 7m Vel: 0.13ms@271°T Time: 09:20 2024-06-27 | | | | |
| Trevor Brooks | Cut two dead pines, one dead oak, a... | Sat 4/20/2024 12:31 PM | 28 KB | |
| Lat/Lon: 31.538193 / -95.470110, +/- 6m Elevation: 129m +/- 7m Vel: 0.87ms@10°T Time: 12:26 2024-04-20 Sing | | | | |
| Trevor Brooks | Straighten 35' Service Pole ID-1567... | Tue 3/26/2024 7:43 AM | 8 MB | |
| 6-LFE | | | | |
| Trevor Brooks | cut dead oak next to three phase | Tue 2/27/2024 10:30 AM | 27 KB | |
| Lat/Lon: 31.635829 / -95.530289, +/- 5m Elevation: 135m +/- 10m Vel: 0.19ms@38°T Time: 10:26 2024-02-27 | | | | |
| Trevor Brooks | Replace Anchor | Wed 2/21/2024 10:58 AM | 26 KB | |
| Lat/Lon: 31.407627 / -95.382456, +/- 4m Elevation: 137m +/- 11m Vel: 1.61ms@300°T Time: 10:55 2024-02-21 | | | | |
| Trevor Brooks | Cut Big dead pine next to single pha... | Wed 2/21/2024 9:24 AM | 26 KB | |
| Lat/Lon: 31.725587 / -95.571410, +/- 35m Elevation: 153m +/- 13m Vel: -1.00ms@-1°T Time: 09:20 2024-02-21 | | | | |
| Trevor Brooks | Cut tree leaning towards line | Mon 2/19/2024 8:09 AM | 25 KB | |
| Lat/Lon: 31.422774 / -95.558464, +/- 5m Elevation: 89m +/- 12m Vel: 0.30ms@294°T Time: 08:05 2024-02-19 | | | | |
| Trevor Brooks | Cut dead oak tree next to line and se... | Fri 1/26/2024 9:19 AM | 35 KB | |
| Lat/Lon: 31.595150 / -95.647482, +/- 5m Elevation: 111m +/- 9m Vel: 0.03ms@191°T Time: 09:14 2024-01-26 | | | | |

| From | Subject | Received | Size | C... |
|---|---|---|---|---|
| Tim Johnson | Add pole in line for regular 35 va1 | Mon 2/5/2024 12:13 PM | 34 KB | |
| Lat/Lon: 31.121389 / -96.060337, +/- 9m Elevation: 131m +/- 7m Vel: 0.21ms@342°T Time: 12:10 2024-02-05 Sen | | | | |

| From | Subject | Received | Size | C... | Mention |
|---|---|---|---|---|---|
| **Ago** | | | | | |
| Joseph Smoldas<br>David Norcom 23F1-40 | Anchor | Mon 8/5/2024 10:37 AM | 30 KB | | |
| Joseph Smoldas<br>23k-3 Tag:165461 Address 17765 | Anchor pulled up | Thu 7/18/2024 9:24 AM | 26 KB | | |
| Joseph Smoldas<br>Tag: 172222 | Broke pole 23f4- | Sun 5/5/2024 2:23 PM | 27 KB | | |
| Joseph Smoldas<br>Anchor grown into tree. Member wants tree cut down and to dig up stump Need new anchor Sent from my iPad <end> | Screenshot 2024-04-16 at 11.30.12 ... | Tue 4/16/2024 11:31 AM | 637 KB | | |
| Joseph Smoldas<br>Dead tree Sent from my iPad <end> | Screenshot 2024-03-28 at 9.43.44 A... | Thu 3/28/2024 9:44 AM | 324 KB | | |
| Joseph Smoldas<br>4-5 dead trees on this tap Sent from my iPad <end> | Dead trees | Wed 3/20/2024 9:33 AM | 806 KB | | |
| Joseph Smoldas<br>Lat/Lon: 31.436568 / -95.720763, +/- 36m Elevation: 64m +/- 7m Vel: 0.03ms@355°T Time: 12:25 2024-01-10 At least 10 dead trees on | 20-182 stanmire | Wed 1/10/2024 12:26 PM | 37 KB | | |
| Huntter Hollis<br>Please cut dead oak tree at this location | Dead oak tree | Tue 2/20/2024 8:47 AM | 26 KB | | |

**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:**

HCEC's system is not in a hurricane zone as defined by the National Weather Service. HCEC maintains a vegetation management rotation to clear the easement for all primary distribution lines every five to seven years depending on climate and growth patterns. The right-of-way clearing program is perpetual and supplemented by hazard tree crews to address issues as necessary.

**SPONSOR:**

Kathi Calvert

**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:**

The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC.

*See* Attachment H – Beryl Vegetation Outages.

**SPONSOR:**

Kathi Calvert

Houston County Electric
Hurricane Beryl
Distrubution Circuits Affected - Vegetation Management Data
Staff 1-78

| Circuit | Customers Affected (Total) | Customers Restored (Total) | Customer Outage Minutes* (Total) | Outage Events (Count) | Outage Dates | Average Duration (Minutes) | Primary Outage Cause | Secondary Outage Cause | Other Outage Causes | NERC Category |
|---|---|---|---|---|---|---|---|---|---|---|
| 11-1 | 1,316 | 1,316 | 1,331,756.56 | 274 | 07/08 - 07/11 | 1,011.97 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 11-2 | 350 | 350 | 341,499.92 | 94 | 07/08 - 07/11 | 975.71 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 11-3 | 276 | 276 | 317,307.61 | 61 | 07/08 - 07/11 | 1,149.67 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 11-4 | 101 | 101 | 177,763.89 | 54 | 07/08 - 07/11 | 1,760.04 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 15-1 | 84 | 84 | 61,607.27 | 13 | 07/08 - 07/11 | 733.42 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 15-2 | 958 | 958 | 215,695.96 | 19 | 07/08 - 07/11 | 225.15 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 15-4 | 33 | 33 | 75,429.45 | 9 | 07/08 - 07/11 | 2,285.74 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 15-5 | 92 | 92 | 105,610.57 | 28 | 07/08 - 07/11 | 1,147.94 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 15-6 | 12 | 12 | 2,771.22 | 4 | 07/08 - 07/11 | 230.94 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 18-1 | 7 | 7 | 2,277.18 | 7 | 07/08 - 07/11 | 325.31 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 18-2 | 35 | 35 | 52,367.38 | 9 | 07/08 - 07/11 | 1,496.21 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 18-3 | 862 | 862 | 451,995.56 | 16 | 07/08 - 07/11 | 524.36 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 18-4 | 28 | 28 | 10,227.94 | 7 | 07/08 - 07/11 | 365.28 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 20-1 | 321 | 321 | 495,803.75 | 53 | 07/08 - 07/11 | 1,544.56 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 23-1 | 156 | 156 | 116,385.25 | 40 | 07/08 - 07/11 | 746.06 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 24-4 | 1,472 | 1,472 | 870,450.87 | 28 | 07/08 - 07/11 | 591.34 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 24-5 | 113 | 113 | 41,782.85 | 20 | 07/08 - 07/11 | 369.76 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 24-6 | 305 | 305 | 145,776.10 | 77 | 07/08 - 07/11 | 477.95 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 24-7 | 9 | 9 | 6,707.74 | 9 | 07/08 - 07/11 | 745.30 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 24-8 | 460 | 460 | 388,992.90 | 121 | 07/08 - 07/11 | 845.64 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 25-1 | 22 | 22 | 27,766.79 | 3 | 07/08 - 07/11 | 1,262.13 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 25-2 | 1,962 | 1,962 | 390,727.52 | 21 | 07/08 - 07/11 | 199.15 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 25-3 | 391 | 391 | 217,726.10 | 45 | 07/08 - 07/11 | 556.84 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 25-4 | 38 | 38 | 46,983.56 | 6 | 07/08 - 07/11 | 1,236.41 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 25-5 | 37 | 37 | 26,183.57 | 19 | 07/08 - 07/11 | 707.66 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 25-7 | 6 | 6 | 13,068.01 | 2 | 07/08 - 07/11 | 2,178.00 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 27-1 | 169 | 169 | 119,669.28 | 42 | 07/08 - 07/11 | 708.10 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 27-3 | 415 | 415 | 79,344.59 | 8 | 07/08 - 07/11 | 191.19 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 27-4 | 326 | 326 | 255,965.16 | 42 | 07/08 - 07/11 | 785.17 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 27-5 | 145 | 145 | 112,307.82 | 23 | 07/08 - 07/11 | 774.54 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 29-1 | 542 | 542 | 414,011.36 | 63 | 07/08 - 07/11 | 763.86 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 29-2 | 106 | 106 | 101,057.31 | 34 | 07/08 - 07/11 | 953.37 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 30-1 | 22 | 22 | 20,286.99 | 17 | 07/08 - 07/11 | 922.14 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 30-3 | 445 | 445 | 100,391.68 | 30 | 07/08 - 07/11 | 225.60 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 30-5 | 119 | 119 | 61,760.12 | 24 | 07/08 - 07/11 | 518.99 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |
| 30-8 | 14 | 14 | 9,964.53 | 10 | 07/08 - 07/11 | 711.75 | Storm | 95% green trees outside easement | Lightning (arrestor, jumper, transformer) | Fall-In |

*Summarized format of outages does not reflect variation of consumer restoration time. This a sum of all consumer outage minutes.

**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:**

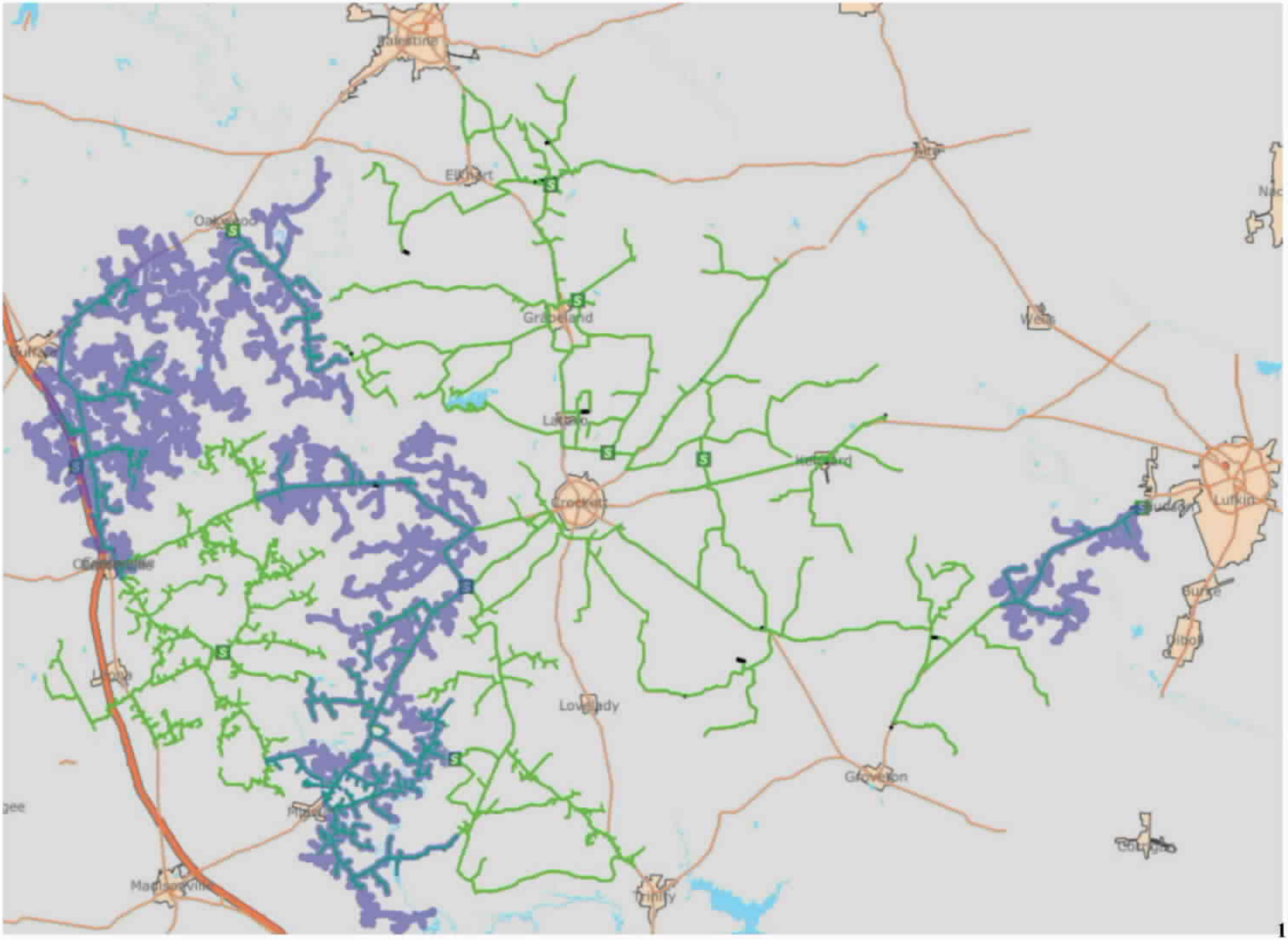
*See* Attachment I – Vegetation Management Clearing Maps by Year.

**SPONSOR:**

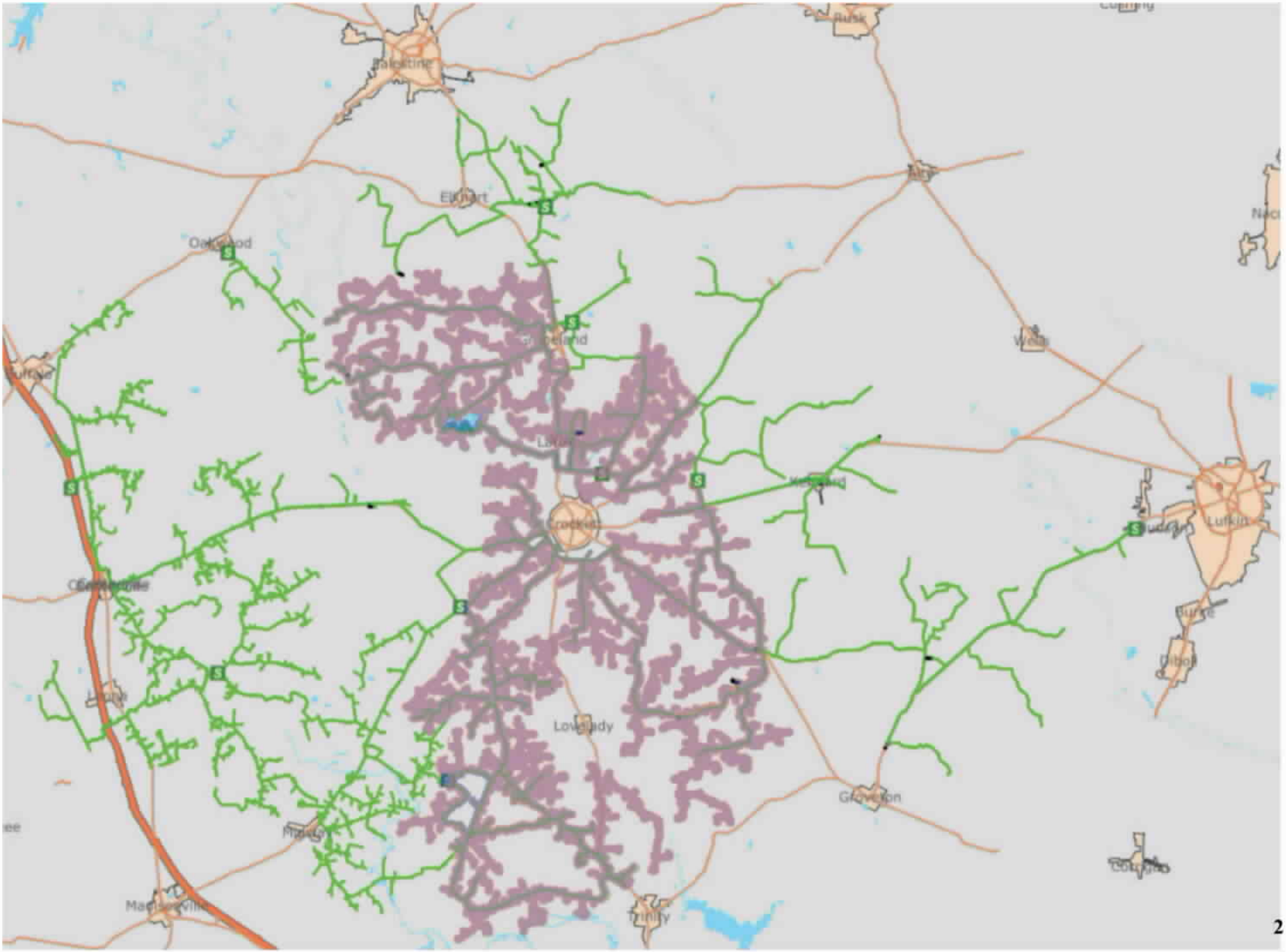
Kathi Calvert

Project No. 56822
HCEC Response to
Staff RFI 1-79,
ATTACHMENT I

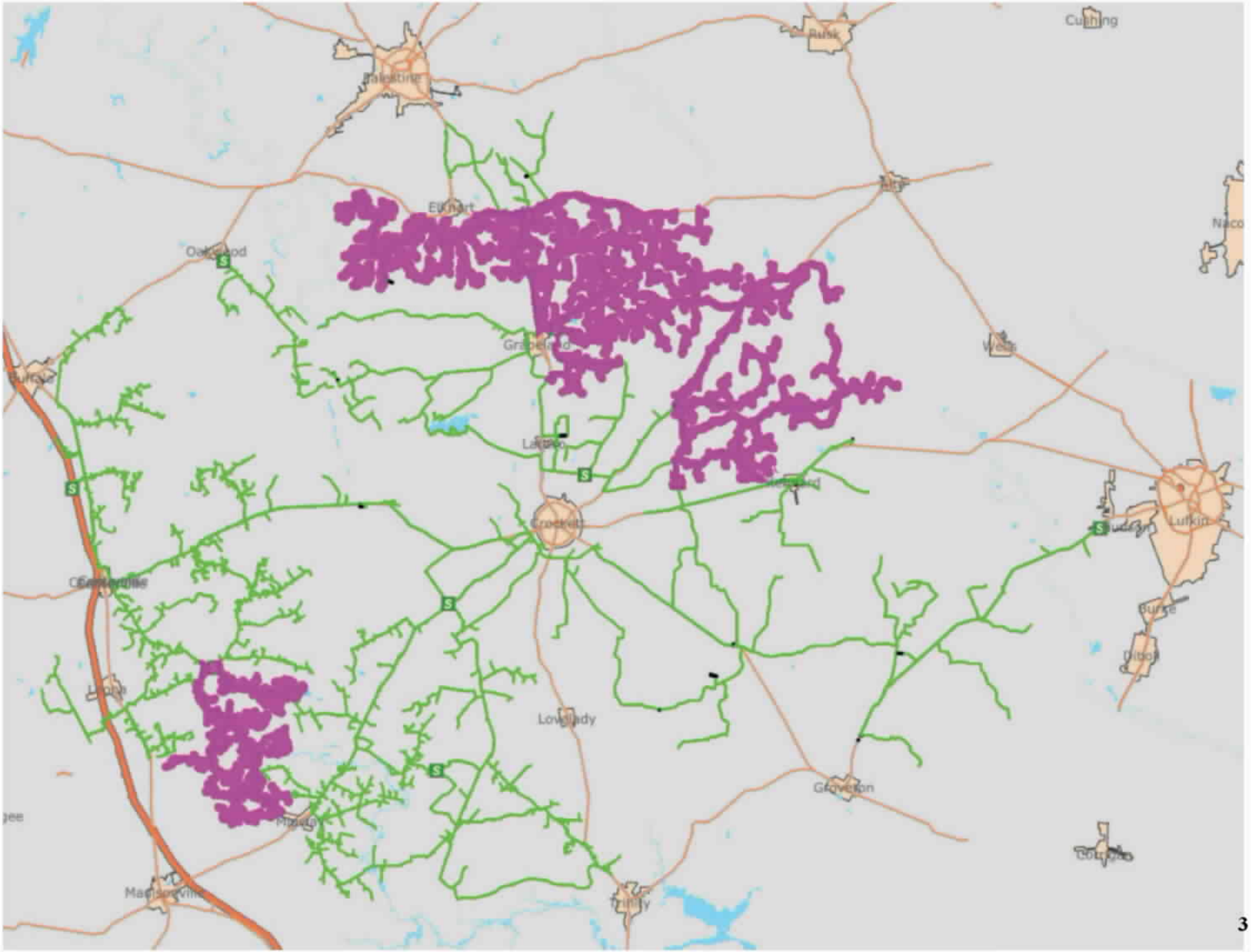
# 2019 Right-Of-Way Clearing Map



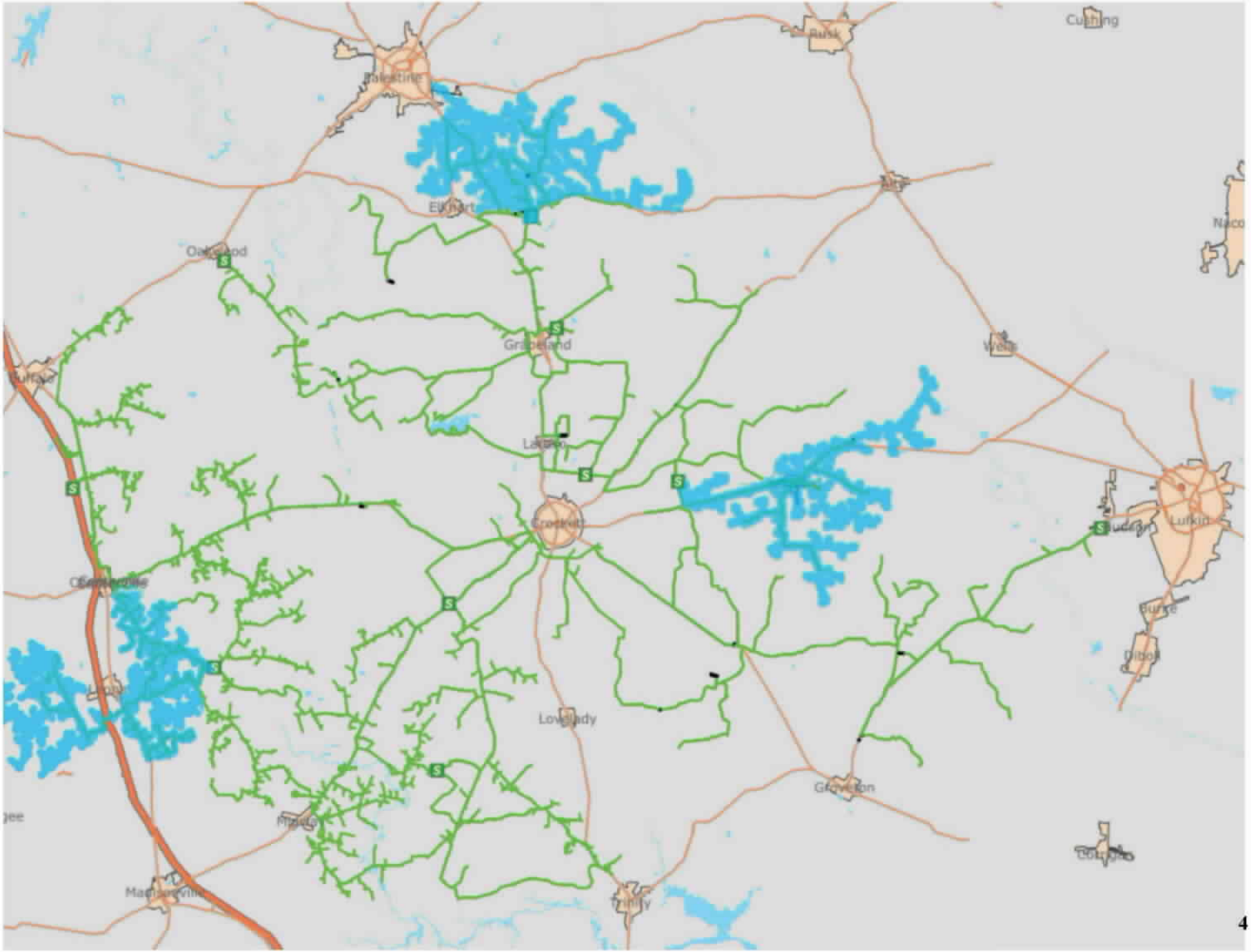
# 2020 Right-Of-Way Clearing Map



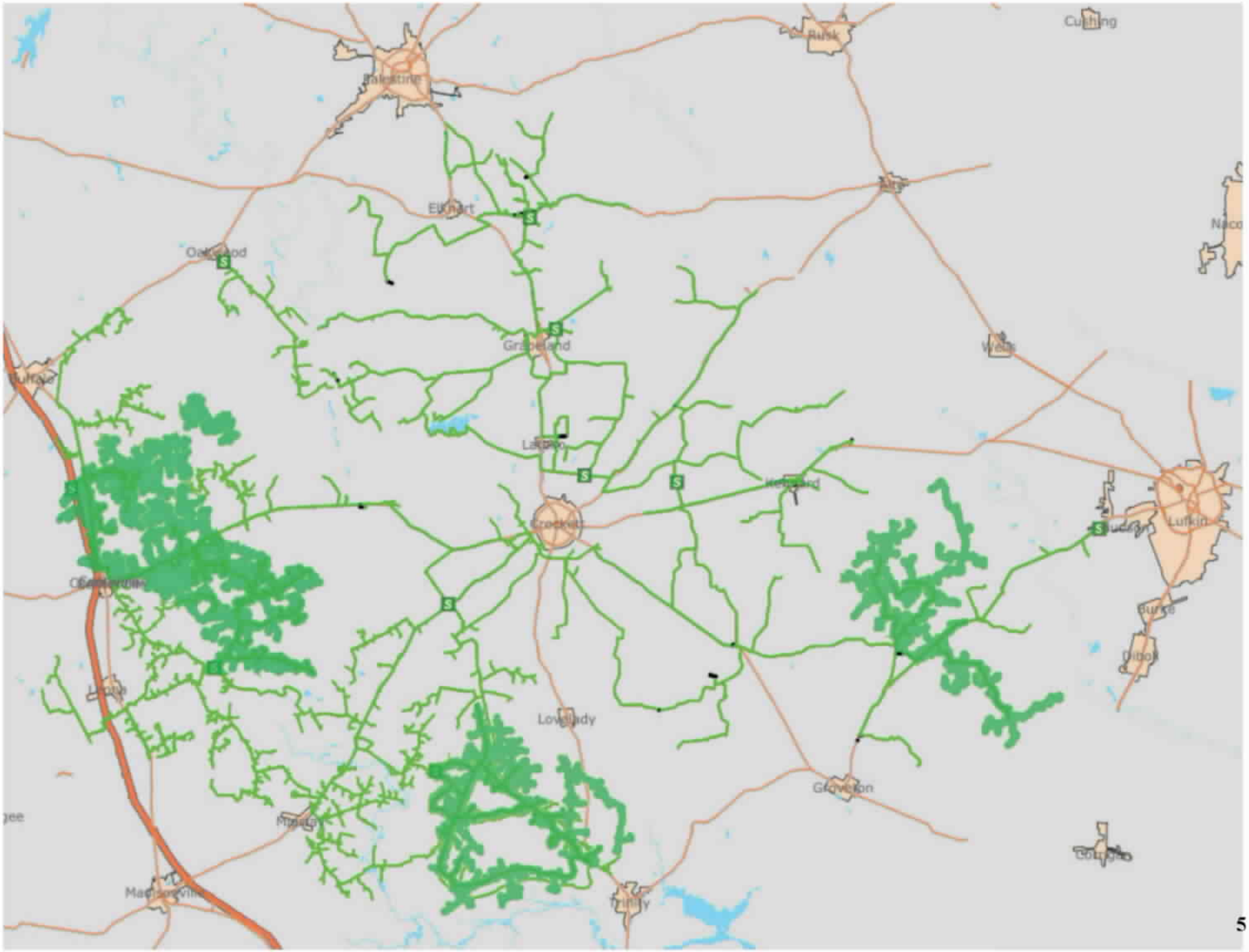
# 2021 Right-Of-Way Clearing Map



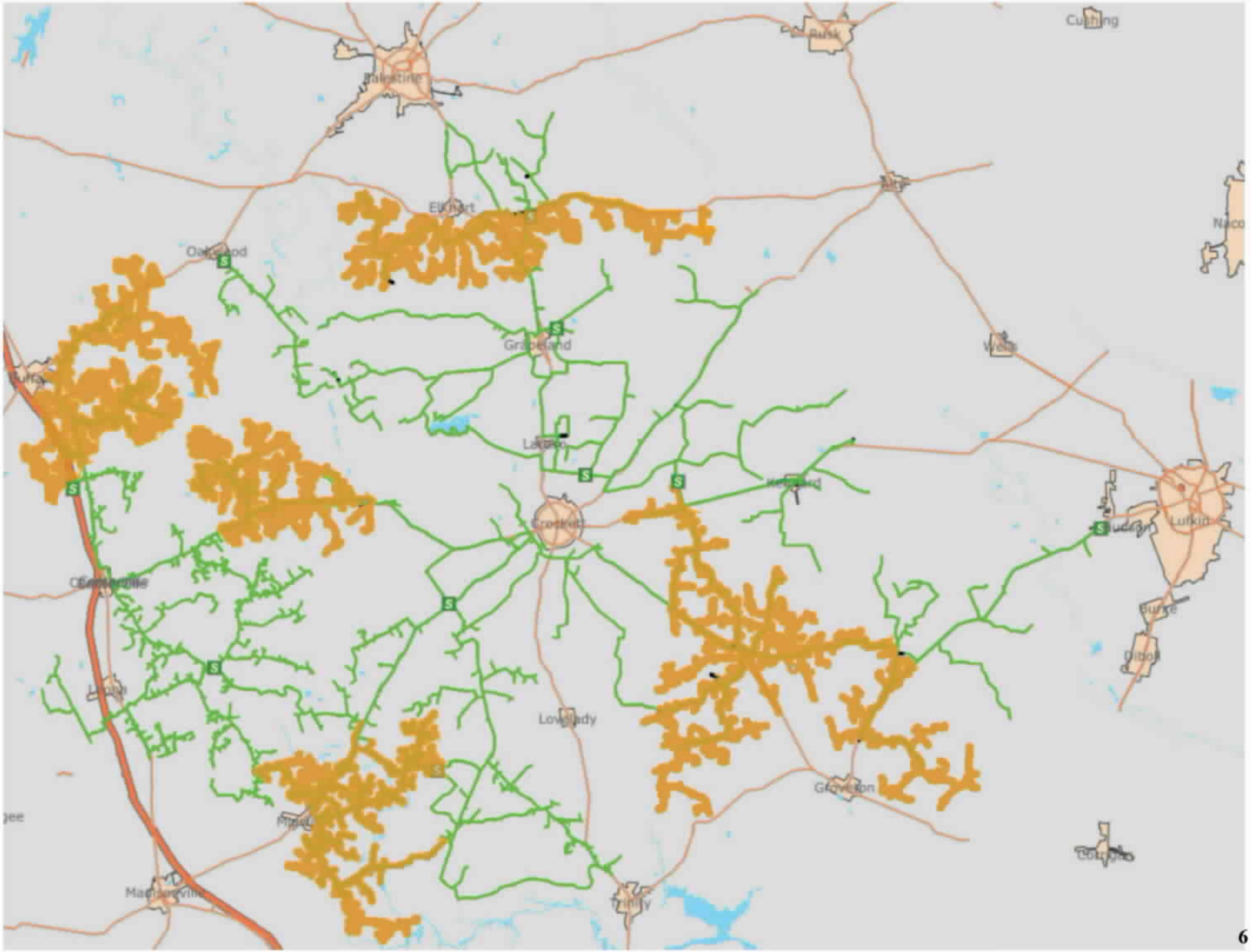
# 2022 Right-Of-Way Clearing Map



# 2023 Right-Of-Way Clearing Map



# 2024 Right-Of-Way Clearing Map



**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:**

The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC.

Over 95% of the outages resulting from Hurricane Beryl related to vegetation issues, specifically green trees outside the 30-foot distribution easement fell into the lines with high wind gusts.

**SPONSOR:**

Kathi Calvert

**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:**

HCEC maintains a vegetation management rotation to clear the easement for all primary distribution lines every five to seven years depending on climate and growth patterns. The right-of-way clearing program is perpetual and supplemented by hazard tree crews to address issues as necessary out of the standard rotation.

**SPONSOR:**

Kathi Calvert

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

**RESPONSE:**

HCEC Board of Directors reviews performance of the vegetation management program monthly. The last major deviation from the plan was in 2011 due to the drought. With low growth patterns due to lack of rainfall, HCEC experienced a significantly higher number of hazard trees and threat of wildfire. During 2011 and the following year, efforts shifted from right-of-clearing to hazard tree removal. The decision extended the system clearing rotation for a short duration but removed thousands of dead and dying trees outside HCEC's easement that posed threats to the distribution system.

**SPONSOR:**

Kathi Calvert

**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:**

The Texas May Derecho from May 16 –17, 2024 was not a major event for HCEC.

Over 95% of the outages resulting from Hurricane Beryl related to vegetation issues, specifically green trees outside the 30-foot distribution easement fell into the lines with high wind gusts.

**SPONSOR:**

Kathi Calvert

**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:**

When a member calls to report a hazard tree, a service ticket is created. In-house vegetation management crews and contract crews are assigned service tickets to remove hazard trees outside the easement reported by members. When the tree is taken down, the ticket is closed. HCEC does not haul off debris from the landowner's hazard tree. If the tree is not a threat to HCEC's primary distribution lines, the member is notified and the ticket is closed without removal.

**SPONSOR:**

Kathi Calvert

**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:**

Fifty employees participate in a program to address vegetation management hazards outside HCEC's system. Vegetation management is a topic discussed at least once a month if not more frequently during our Monday morning safety meetings. All field personnel report vegetation management hazards on a routine basis. It is the responsibility of all personnel for the safety of HCEC's system and members.

**SPONSOR:**

Kathi Calvert

**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. HCEC participates in mutual assistance through Texas Electric Cooperatives ("*TEC*").
b. *See* Attachment J – Mutual Aid Agreement
c. Bailey Co. EC, Bandera EC, Bartlett EC, Big Country EC, Bluebonnet EC, Bowie-Cass EC, Brazos EC, Bryan Texas Utilities, Central Texas EC, Cherokee Co. ECA, Coleman Co. EC, Comanche EC, Concho Valley EC, CoServ Electric, Deaf Smith EC, Deep East Texas EC, East Texas EC, Fannin EC, Farmers EC, Fayette EC, Gort Belknap EC, Golden Spread EC, Grayson-Collin EC, Greenbelt EC, GVEC, Hamilton EC, Harmon EA, Heart of Texas EC, HILCO EC, J-A-C EC, Jackson EC, Jasper-Newton EC, Karnes EC, Lamar EC, Lamb C. EC, LCRA, Lea Co. EC, Lighthouse EC, Lyntegar EC, Magic Valley EC, Medina EC, MidSouth EC, Nararro Co. EC, Navasota Valley EC, North Plains EC, Northeast Texas EC, Nueces EC, Panola-Harrison EC, Pedernales EC, PenTex Energy, Rayburn Country EC, Rio Grande EC, Rita Blanca EC, Rusk Co. EC, Sam Houston EC, San Bernard EC, San Miguel EC, San Patricio EC, South Plains EC, Southwest Arkansas EC, Southwest Rural EA, Southwest Texas EC, Swisher EC, Taylor EC, Tri-County EC, Tri-County EC OK, Trinity Valley EC, United Cooperative Services, Upshur Rural EC, Victoria EC, Western Farmers EC, Wharton Co. EC, Wise EC, Wood Co. EC.

**SPONSOR:**

Kathi Calvert

# 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

**STAFF 1-87** Please describe, prior to, during, or in the aftermath of Hurricane Beryl how you integrated mutual assistance crews into your existing emergency preparedness and response processes, any coordination challenges you faced in doing so, and how you addressed any such challenges prior to, during, or in the aftermath of Hurricane Beryl.

**RESPONSE:**

HCEC did not require mutual assistance prior to, during or in the aftermath of Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-88** Please describe the command structure and communication protocols used to manage and direct resources from mutual assistance program(s) you received assistance from prior to, during, and in the aftermath of Hurricane Beryl.

**RESPONSE:**

HCEC did not require mutual assistance prior to, during or in the aftermath of Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-89** Please describe the process and timeline for requesting or activating assistance as part of your membership or participation in any mutual assistance program(s) prior to, during, or in the aftermath of Hurricane Beryl.

**RESPONSE:**

HCEC did not require mutual assistance prior to, during or in the aftermath of Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-90** Once you learned of the Hurricane Beryl's potential to affect your ability to provide service to your customers, what specific actions were taken to begin coordinating with and staging mutual assistance resources to respond to service issues resulting from the hurricane?

**RESPONSE:**

HCEC did not foresee the need to utilize mutual assistance during Hurricane Beryl based on geographic position and information gathered through weather forecast calls with StormGeo specific to HCEC's service area in advance of Hurricane Beryl's landfall. If mutual assistance was necessary, HCEC would have followed its Emergency Operation Procedures.

**SPONSOR:**

Kathi Calvert

**STAFF 1-91** Provide the following information concerning mutual assistance received in response to either the May 2024 Derecho or Hurricane Beryl:

a. Identify all mutual assistance programs from which you requested assistance;

b. Describe the specific assistance, including but not limited to the number of damage assessors, vegetation management crews, linesmen, generators, and materials, requested from the mutual assistance program(s); and

c. Provide all documentation of requests made to mutual assistance programs and their responses to your requests.

d. If it is not evident from the documentation provided in response to Staff 1-91(c), please provide the date the request was made, the date the specific assistance requested began arriving in the Impacted Area, and the date by when the specific assistance requested was fully received.

**RESPONSE:**

HCEC did not utilize mutual assistance during the May 2024 Derecho or Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-92** When you receive responses to requests for assistance from other mutual assistance program participants that confirm their ability to provide the requested assistance, are you able to accept or decline resources being offered as needed, or must you accept all assistance provided in response to a request?

**RESPONSE:**

In other events, HCEC has been able to accept or decline mutual assistance resources offered based on the demands of the situation and resources necessary to assist and support restoration efforts.

**SPONSOR:**

Kathi Calvert

**STAFF 1-93** What considerations did you give to reimbursement of costs and expenses incurred by participants of mutual assistance programs when making requests for assistance during the events of Hurricane Beryl?

**RESPONSE:**

HCEC did not utilize mutual assistance during Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-94** Please provide a list of any hurricane response staging area you established in the lead up to and in the aftermath of Hurricane Beryl. Please include the date the center(s) was established, the location of the center(s), the day-to-day staffing levels at the center, and types of equipment and personnel staged at the center(s).

**RESPONSE:**

HCEC did not set up a staging area leading up to or in the aftermath of Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-95** How did the rollout and deployment of mutual assistance during the events of Hurricane Beryl compare to previous hurricane events during which you requested assistance from mutual assistance programs? In your response, please specifically compare the types and quantities of resources requested, the percentage of request aid provided, the efficacy of coordination between your company and the mutual assistance provider, and the efficiency of staging, deployment, and release of those assistance resources.

**RESPONSE:**

HCEC did not utilize mutual assistance during Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-96** Please describe what specific actions you took to begin staging internal staff and any responsive mutual assistance crews or resources.

**RESPONSE:**

HCEC did not utilize mutual assistance during Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-97** Did you have to train or on-board any personnel that was provided in response to your request(s) for mutual assistance during the events of Hurricane Beryl? If yes, please describe what kind of training or on-boarding you provided.

**RESPONSE:**

No, HCEC did not utilize mutual assistance during Hurricane Beryl, and therefore did not train or on-board personnel for mutual assistance.

**SPONSOR:**

Kathi Calvert

**Mobile Generation**

**STAFF 1-98** Please provide details regarding the lease or procurement of each mobile generation facility in the Transmission and Distribution Utility's (TDU) control, including:

a. Details regarding the competitive bidding process used or the justification for not using a competitive bidding process;

b. The size of each mobile generation facility in megawatts (MW);

c. The initial lease or procurement date of each facility;

d. The lease term, in months, of each mobile generation facility;

e. The expiration date of each facility's lease;

f. The to-date costs associated with each mobile generation facility, including operating, leasing costs, or other capital expense;

g. The expected costs associated with each lease, including operation and leasing costs; and

h. The expected return on investment associated with each lease or procurement.

**RESPONSE:**

HCEC does not own or lease any mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-99** Please provide details regarding mobile generation or temporary emergency electric energy facilities (TEEEF):

a. The control number of the TDU's most recently approved mobile generation or TEEEF cost recovery;

b. Details regarding whether the mobile generation or TEEEF cost recovery was processed as part of a larger Distribution Cost Recovery Factor proceeding or in a separate contested case;

c. The revenue requirement associated with the TDU's mobile generation or TEEEF expenses, broken out by rate class; and

d. The in-force tariffs associated with the TDU's mobile generation or TEEEF rider, broken out by rate class.

**RESPONSE:**

HCEC does not own or lease any mobile generation facilities or temporary emergency electric energy facilities ("TEEEF").

**SPONSOR:**

Kathi Calvert

**STAFF 1-100** Provide the following information concerning your customer base:

a. Total number of customers served by rate class:

b. Average demand by rate class;

c. Peak demand by rate class; and

d. Net peak demand by rate class.

**RESPONSE:**

a. As of December 31, 2023, consumers by rate class were:

| | |
|---|---|
| Residential | 21,458 |
| Small Commercial | 1,441 |
| Large Commercial | 9 |

b. Average demand by rate class (Summer 2023):

| | |
|---|---|
| Residential | 53.3 MW |
| Small Commercial | 18.6 MW |
| Large Commercial | 23.5 MW |

c. Peak demand by rate class (Summer 2023):

| | |
|---|---|
| Residential | 56.2 MW |
| Small Commercial | 19.1 MW |
| Large Commercial | 24.4 MW |

d. Net peak demand by rate class (Summer 2023):

| | |
|---|---|
| Residential | 56.2 MW |
| Small Commercial | 19.1 MW |
| Large Commercial | 24.4 MW |

**SPONSOR:**

Kathi Calvert

**STAFF 1-101** Please provide information on the average customer density by circuit mile for the feeders in the Impacted Area.

**RESPONSE:**

Below is HCEC's customer density by circuit mile for the circuits impacted by Hurricane Beryl.

| Sub-Feeder | Consumers per Mile |
|---|---|
| 11-1 | 4.5 |
| 11-2 | 4.8 |
| 11-3 | 3.5 |
| 11-4 | 3.0 |
| 15-1 | 4.7 |
| 15-2 | 3.6 |
| 15-4 | 5.5 |
| 15-5 | 4.4 |
| 15-6 | 4.4 |
| 18-1 | 4.1 |
| 18-2 | 5.0 |
| 18-3 | 11.0 |
| 18-4 | 5.9 |
| 20-1 | 4.3 |
| 23-1 | 4.3 |
| 24-4 | 0.0 |
| 24-5 | 4.5 |
| 24-6 | 3.7 |
| 24-7 | 4.5 |
| 24-8 | 4.9 |
| 25-1 | 4.7 |
| 25-2 | 6.3 |
| 25-3 | 5.8 |
| 25-4 | 5.3 |
| 25-5 | 5.8 |
| 25-7 | 0.4 |
| 27-1 | 4.9 |
| 27-3 | 3.4 |
| 27-4 | 5.0 |
| 27-5 | 2.9 |
| 29-1 | 4.4 |
| 29-2 | 3.9 |
| 30-1 | 4.0 |
| 30-3 | 4.4 |
| 30-5 | 3.8 |
| 30-8 | 3.2 |
| **System Average** | **4.4** |

**SPONSOR:**

Kathi Calvert

**STAFF 1-102** Please provide an explanation of any alternatives to mobile generation facilities considered by the TDU before entering a lease for or procuring mobile generation facilities.

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-103** Please describe the specific use cases contemplated by the TDU before executing a contract for the lease or procurement of mobile generation facilities.

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-104** Please provide the following information concerning mobile generation facilities in your possession:

a. The total capacity, in MWs, of mobile generation facilities leased or procured before July 8, 2024;

b. The rationale for leasing or procuring that capacity; and

c. And how mobility and capacity were prioritized when leasing or procuring mobile generation facilities.

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-105** Provide the following information for mobile generation facilities already under lease or procured before July 8, 2024:

a. The size, in MWs, of each deployed mobile generation facility;

b. The length of time needed to move each deployed mobile generation facility from storage to its designated staging area;

c. the length of time needed to move each mobile generation facility from staging to its deployment location;

d. An explanation for how and where the mobile generation facility was used; and

e. If a mobile generation facility was not used, an explanation as to why.

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-106** Please describe all situations in which the TDU's leased or procured mobile generation facilities were deployed before Hurricane Beryl. If applicable, please describe how those previous deployment situations differed from the use cases initially contemplated by the TDU.

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-107** Please provide the following information on power restoration plans or procedures regarding critical infrastructure facilities.

a. Did the TDU develop a list of critical infrastructure facilities within the TDU's service territory?

b. Did the TDU develop emergency preparedness plans in collaboration with critical infrastructure facilities in its service territory?

c. Did the TDU develop a list of routes for use in reaching critical infrastructure facilities during an emergency or significant power outage?

d. Did the TDU identify the specific steps it would take to energize critical infrastructure facilities in its service territory with mobile generation facilities?

e. Did the TDU pre-position mobile generation facilities at critical infrastructure facilities in its service territory to respond to significant power outages in a timely manner?

**RESPONSE:**

a. HCEC maintains a list of critical infrastructure facilities within its service area.

b. No, HCEC did not development emergency preparedness plans in collaboration with critical infrastructure facilities.

c. HCEC maintains a system map and HCEC's personnel know all routes to access critical infrastructure facilities during an emergency or significant event.

d. No, HCEC does not own or lease mobile generation facilities.

e. No, HCEC does not own or lease mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-108** Please provide the following information regarding drills, procedures, and plans to use mobile generation facilities.

a. Did the TDU develop operating plans or procedures for the deployment of mobile generation? If so, please describe the TDUs strategy for deploying its mobile generation.

b. Did the TDU assign specific personnel to manage, either directly or indirectly, the operation and deployment of its mobile generation facilities?

c. Did the TDU conduct personnel trainings or preparedness drills for the operation of its mobile generation facilities?

d. Please describe any plans or procedures developed in coordination with other TDUs or mutual assistance groups for the operation or deployment of mobile generation.

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-109** Please provide the following information regarding each mobile generation facility borrowed during Hurricane Beryl as part of a mutual assistance program or agreement.

a. How the original request for mobile generation facilities through mutual assistance was made;

b. The size, in MW, of each borrowed mobile generation facility;

c. The date the mutual assistance program or agreement was entered;

d. The date the borrowed mobile generation facility was deployed;

e. The duration, in hours, of the borrowing agreement. Describe whether this duration was for a fixed number of hours or a specific number of operating hours;

f. The identity of the original owner or lessor of the mobile generation facility subject to the mutual assistance program or agreement; and

g. Whether obtained mobile generation facilities were used during, or in power restoration efforts following, Hurricane Beryl.

   i. If the mobile generation facility was not deployed, provide an explanation as to why the mobile generation facility was not deployed; and

   ii. If the mobile generation facility was deployed, provide an explanation of how it was used.

**RESPONSE:**

HCEC did not borrow mobile generation facilities during Hurricane Beryl as part of a mutual assistance program or agreement.

**SPONSOR:**

Kathi Calvert

**STAFF 1-110** When mobile generation facilities are offered to other TDUs during significant power outages, what information does the loaning TDU require from the borrowing TDU related to the probable operation of the mobile generation?

**RESPONSE:**

HCEC has not entered a lease agreement for or procured mobile generation facilities. Therefore, HCEC has not addressed information or requirement regarding loaning mobile generation facilities.

**SPONSOR:**

Kathi Calvert

**STAFF 1-111** Please describe if any mobile generation facilities in the TDU's control were deployed in the service territories of municipally owned utilities or electric cooperatives during Hurricane Beryl.

**RESPONSE:**

HCEC does not have mobile generation facilities to deploy.

**SPONSOR:**

Kathi Calvert

**STAFF 1-112** Please describe how the determination was made regarding when and where to deploy or redeploy each mobile generation facility during, or in response to, Hurricane Beryl.

**RESPONSE:**

HCEC does not have mobile generation facilities to deploy.

**SPONSOR:**

Kathi Calvert

**STAFF 1-113** Please describe the number of distribution customers that had power restored by each mobile generation facility leased or procured by the TDU during, or in response to, Hurricane Beryl.

**RESPONSE:**

HCEC did not utilize mobile generation to restore customers. Generation was available for HCEC customers once damage was repaired on the distribution system delivering power to customers. Restoration was completed upon completion of repairs to the distribution system.

**SPONSOR:**

Kathi Calvert

**STAFF 1-114** Please describe the number of distribution customers that had power restored by each mobile generation facility obtained through mutual assistance during, or in response to, Hurricane Beryl.

**RESPONSE:**

Zero HCEC distribution customers had power restored by a mobile generation facility following Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-115** Please describe the number of transmission customers that had power restored by a mobile generation facility leased or procured by the TDU during, or in response to, Hurricane Beryl.

**RESPONSE:**

Zero HCEC transmission customers had power restored by a mobile generation facility following Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-116** Please describe the number of transmission customers that had power restored by a mobile generation facility obtained through mutual assistance during, or in response to, Hurricane Beryl.

**RESPONSE:**

Zero HCEC transmission customers had power restored by a mobile generation facility following Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-117** If applicable, please note if any fueling problems arose with deployed mobile generation facilities during, or in response to, Hurricane Beryl. If so, please describe the fueling problems in detail and any action that the TDU took in response.

**RESPONSE:**

Not applicable. HCEC did not deploy mobile generation facilities during or in response to Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-118** Please describe all costs incurred by the TDU that were associated with the deployment of mobile generation facilities during, or in response to, Hurricane Beryl.

**RESPONSE:**

Not applicable. HCEC did not deploy mobile generation facilities during or in response to Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-119** Please describe any obstacles that limited the deployment of mobile generation facilities during, or in response to, Hurricane Beryl.

**RESPONSE:**

Not applicable. HCEC did not deploy mobile generation facilities during or in response to Hurricane Beryl.

**SPONSOR:**

Kathi Calvert

**STAFF 1-120** Please describe any procedural improvements that the TDU intends to make prior to the next deployment of mobile generation facilities. If available, please reference specific sections of any after action report or lessons learned document the TDU has created.

**RESPONSE:**

Not applicable. HCEC does not own or lease mobile generation facilities.

**SPONSOR:**

Kathi Calvert