

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title:

Electric Reliability Report – Information Only

Presenter:

Paul Hopkins

Meeting: Government Services Committee

Date: September 28, 2020

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

☐**Executive Summary** (*if not budgeted please explain*):

For Information Only.

Attachments (*please list*):

August 2020 Outage Report

August 2020 Streetlight Repair Report

Recommendation/Suggested Action (*briefly explain*):

For information only.

**City of St. Charles
August 2020 Outages**

| OUTAGE No. | DATE | TIME OFF | TIME ON (Min) | AREA AFFECTED | CIRCUIT No. | CAUSE/RESPONSE | NO. OF CUST. | OUTAGE MINUTES | MAJOR CATEGORY | SUB CATEGORY |
|---|-----------|----------|---------------|--|-------------|--|---------------|----------------|----------------|---------------------|
| 1 | 8/10/2020 | 3:22 PM | 55 | Along west side of river, from Red Gate to Gray St., west to Peck, between Gray St. and Wildrose Springs Dr. | 57736 | Outage. Loss of ComEd supply. Isolated 57736 and picked up load on line 56931. | 1676 | 92,180 | ComEd | 57736 |
| 1 | 8/10/2020 | 3:22 PM | 100 | River's Edge and Wildrose Springs subdivisions. | 57736 | Outage. Loss of ComEd supply. Closed from LDC2 | 300 | 30,000 | ComEd | 57736 |
| 1 | 8/10/2020 | 3:22 PM | 100 | Along old railroad tracks, from 12th St. to 5th St. | 57736 | Outage. Loss of ComEd supply. Energized from sub 2. | 150 | 15,000 | ComEd | 57736 |
| 1 | 8/10/2020 | 3:22 PM | 153 | Along tracks from Randall to sub 2. | 57736 | Outage. Loss of ComEd supply. Picked up from sub 2. | 100 | 15,300 | ComEd | 57736 |
| 1 | 8/10/2020 | 3:22 PM | 165 | From tracks to Rt. 64, along Peck Rd. | 57736 | Outage. Loss of ComEd supply. Closed from circuit 811. | 158 | 26,070 | ComEd | 57736 |
| 1 | 8/10/2020 | 3:22 PM | 323 | Timbers subdivision. | 224 | Trees on circuit 224. | 170 | 54,910 | Tree | Large Branch/Tree |
| 2 | 8/10/2020 | 4:09 PM | 0 | Along the east side of the river to 5th Ave. from Red Gate Rd. to Rt. 64. | 7962 | Outage. Loss of ComEd supply. Auto reclose. | 2674 | 0 | ComEd | 7962 |
| 3 | 8/12/2020 | 4:22 PM | 4 | Along old railroad tracks, from 13th Ave. to S. Tyler Rd. and south along S. Tyler Rd. | 316 | Outage. Shut off power to remove tree from lines. Removed tree and restored power. | 25 | 100 | Tree | Large Branch/Tree |
| 4 | 8/15/2020 | 4:57 PM | 0 | Near Main St., from 5th Ave. to 14th St. | 7962 | Outage. Loss of ComEd during wind/rain storm. Automatic reclose. | 2724 | 0 | ComEd | 7962 |
| 5 | 8/21/2020 | 9:27 AM | 0 | South of Main St., Kautz & S. Tyler Rd. | 13155 | Outage. Loss of ComEd - animal. Automatic reclose. | 696 | 0 | ComEd | 13155 |
| 6 | 8/24/2020 | 8:30 AM | 0 | From Dean St. to Main St., between Randall Rd. and 7th St., Thornwood and Oak Crest subdivisions. | 222 | Outage. Unknown cause. Automatic reclose. | 632 | 0 | Unknown | 12.47-kV |
| 7 | 8/24/2020 | 2:50 PM | 350 | 800 block of Thornwood Circle, 1930 Dean St. | 222 | Outage. Transformer failure. Replaced transformer and restored power. | 16 | 5,600 | Equipment | Transformer Failure |
| 8 | 8/29/2020 | 8:58 AM | 66 | Between Ash St. and 2nd St., from Horne St. to McKinley St. | 331 | Outage. Squirrel took out transformer fuse. Replaced fuse, restored power, and removed squirrel. | 15 | 990 | Animal | Squirrel |
| Total of Interrupted Minutes | | | | | | | | 240,150 | | |
| Total SAIDI* | | | | | | | 15.321 | | | |
| Total of ComEd Interrupted Minutes | | | | | | | | 178,550 | | |
| Total SAIDI without ComEd | | | | | | | 3.930 | | | |
| *System Average Interruption Duration Index (SAIDI) | | | | | | | | | | |

Streetlight Repair Report

Expectation: Streetlights will be repaired within 10 days of notification.

| Fiscal Year | Number of Lights Repaired | Average Days to Repair |
|-------------|---------------------------|------------------------|
| 2020 | 781 | 6.9 |

2021

[illegible]