

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: September 23, 2019

Proposed Cost: \$

Budgeted Amount: \$

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

For Information Only.

**Attachments** *(please list):*

August 2019 Outage Report

August 2019 Streetlight Repair Report

**Recommendation/Suggested Action** *(briefly explain):*

For information only.

**City of St. Charles  
August 2019 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   | 8/13/2019 | 2:19 PM  | 0             | Northeast side of town, Bay 3 @ Sub 7.  | 13167       | Instantaneous breaker trip on ComEd Line 13167. Found to be tree contact east side of Powis, south of Route 64. Tree trimmed.  | 642          | 0              | ComEd          | 13167        |
| 2   | 8/18/2019 | 7:54 AM  | 0             | Large sections of the NW quadrant + the residential area in the SW quadrant bounded by Main on the North, 10th Street on the East, Prairie Street on the South, and Randall Road on the West. | 57736       | ComEd loss of line during storm. ComEd line reclosed after momentary to restore customers.   | 2521         | 0              | ComEd          | 57736        |
| 3   | 8/18/2019 | 8:08 AM  | 36            | Six circuits involved, difficult to define boundaries. Large sections of the SE quadrant and a small portion of the NE quadrant. All of Swift at 410 S. Kirk.                                 | 11167       | ComEd loss of line during storm. Line reclosed several times attempting to restore, but locked out at 8:08 causing sustained outage. Internally switched around 11167, moved load to 13155 & 13156. Cause was not found, believed to be wildlife contact just north of the West Chicago station. | 643          | 23,148         | ComEd          | 11167        |
| 4   | 8/23/2019 | 1:18 PM  | 0             | NE side of town, Target, Pheasant Run, Charlestown Mall, East HS  | 13167       | OA/RA on 13167. 15 second outage. Patrolled line at substation 7. No issues found within City limits. ComEd investigated and found mylar balloon contact near Hawthorne Lane in West Chicago.  | 1405         | 0              | ComEd          | 13167        |
| 5   | 8/25/2019 | 2:37 AM  | 0             | State Ave., Hunt Club, E. Main St., State St., Tyler Rd., NW and NE side of town.   | 315/316     | Instantaneous breaker trip and reclose. Lightning arrester behind 812 E. Main St. on a pole with a normal open between 311 and 316. Isolated arrester.   | 730          | 0              | Equipment      | Arrester     |
| 5   | 8/25/2019 | 2:37 AM  | 0             | 7th Ave., Riverside Ave., SE side of town (residential).  | 311/312     | Instantaneous breaker trip and reclose. Lightning arrester behind 812 E. Main St. Isolated arrester.   | 1447         | 0              | Equipment      | Arrester     |
| 6   | 8/25/2019 | 9:35 AM  | 50            | Madison, Jefferson, Van Buren, S. 6th Ave., Jackson.  | 311         | No power. Squirrel blew lateral fuse at 7th & Madison Ave. Removed squirrel and re-fused lateral.  | 54           | 2,700          | Animal         | Squirrel     |
| 7   | 8/26/2019 | 12:04 PM | 106           | 3810 Stern Ave.   | 513         | Broken cutout, blown fuse, and burnt equipment arm. Changed out 3Ø equipment arm, arresters, and cutouts. Re-energized, checked voltage and rotation.  | 1            | 106            | Equipment      | Switch       |
| <b>Total of Interrupted Minutes</b>                 |           |          |               |   |             |  |              | <b>25,954</b>  |                |              |
| <b>Total SAIDI*</b>                                 |           |          |               |   |             |  |              |                | <b>1.656</b>   |              |
| Total of ComEd Interrupted Minutes                  |           |          |               |   |             |  |              | <b>23,148</b>  |                |              |
| Total SAIDI without ComEd                           |           |          |               |   |             |  |              |                | <b>0.179</b>   |              |
| *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 |
|-------------|---------------------------|------------------------|
| 2019        | 873                       | 5.7                    |

## 2020

| Month Light Was Repaired | Number of Lights Repaired | Average Days to Repair |
|--------------------------|---------------------------|------------------------|
| May                      | 27                        | 10.0                   |
| June                     | 27                        | 5.7                    |
| July                     | 24                        | 6.1                    |
| August                   | 27                        | 7.2                    |
| September                |                           |                        |
| October                  |                           |                        |
| November                 |                           |                        |
| December                 |                           |                        |
| January                  |                           |                        |
| February                 |                           |                        |
| March                    |                           |                        |
| April                    |                           |                        |