

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a.

Title:

Electric Reliability Report – Information Only

Presenter:

Tom Bruhl

Meeting: Government Services Committee

Date: August 28, 2017

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

Attachments *(please list):*

* July 2017 Outage Report * July 2017 Streetlight Repair Report

Recommendation/Suggested Action *(briefly explain):*

For Information Only

**City of St. Charles
July 2017 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	7/1/2017	8:13 AM	17	N. 12th St., 1020 Cedar Ave.	316	Squirrel blew 1 phase fuse at N. 11th Ave. at Cedar. C phase fuse (lateral). 1020 Cedar 1 phase and 3 phase transformer. Re-fused both fuses.	24	408	Animal	Squirrel
2	7/11/2017	10:57 PM	0	Downtown, Prairie St., 1st Ave., Illinois Ave., Walnut Ave. Indiana Ave., 1st-9th St., Q Center, City Hall, PD, North High School, The Reserve, Red Gate.	7962	Loss of ComEd 7962 instantaneous breaker operation. No action / breaker reclose. Cause was lightning strike near Sterns and Route 25. No pole or equipment damage was found.	2327	0	ComEd	7962
3	7/17/2017	10:33 AM	0	SE Quadrant	531/533/535	Outage / Bird caused short circuit on 12kV bus of reclosers for 533 & 531. Automatic reclose. NOTE: City fault caused L13156 to OA/RA.	538	0	Animal	Bird
4	7/17/2017	1:45 PM	60	Evergreen St. area	214	Squirrel on primary. Remove animal and put out fire	30	1,800	Animal	Squirrel
5	7/19/2017	10:28 PM	124	13th & 14th St. from Walnut St. to Prairie St.	214	Tree branch fell on lines. Removed tree branch and restored power.	78	9,672	Weather	Wind
6	7/21/2017	9:34 PM	103	Home St. from 2nd St. to Ash St.	331	Outage caused by lightning. Replaced fuse.	6	618	Weather	Lightning
7	7/22/2017	11:51 PM	0	Large sections of the SW quadrant and part of Renaux Manor north of Rt. 64.	56931	Loss of ComEd. Automatic reclose. ComEd patrolled and did not find the cause. Phase to phase fault not involving ground approximately 0.3 miles from TDC569. No lightning in the area at the time. Suspect phases slapped together.	2795	0	ComEd	56931
8	7/27/2017	2:52 PM	0	Sub 3, LDC-2, center of town, Rt. 31, Walnut Ave., IL St., Q-Center, PD, City Hall, Reserves, Red Gate, and Traditions of St. Charles	7962	Loss of ComEd feed 7962. Under investigation.	2720	0	ComEd	7962
9	7/28/2017	7:32 PM	480	417 McKinley St.	624	No power. Garage fire @ 409 McKinley St. burned down service to 417 McKinley St.	1	480	Others	Other
10	7/29/2017	7:55 AM	145	Batavia Enterprises	316	Bad transformer. Replaced transformer and restored power.	15	2,175	Scheduled	SCMEU
Total of Interrupted Minutes								15,153		
Total SAIDI*							0.970			
Total of ComEd Interrupted Minutes								-		
Total SAIDI without ComEd							0.970			
*System Average Interruption Duration Index (SAIDI)										

Streetlight Repair Report

Expectation: Streetlights will be repaired within 10 days of notification

Month Light Was Reported	Number of Lights Reported	Average Days to Repair
April	48	30.3
May	45	10.5
June	22	4.0
July	166	6.1

Statistics Notes:

- April:
 - Initiated procedure transition in April incorporating engagement with a contractor
 - April included a number of lights on Ohio Ave that were exceptions to standard repairs that impacted the average
- May:
 - Contractor process improved
 - Two decorative lights by Lincoln Park required concrete footer repairs that impacted the average
- June:
 - Process continued to improve
 - Only one light was a non-standard repair that exceeded the 10 day expectation
- July
 - Initiated a number of efforts to improve notification/reporting of lights that are out
 - Front page of the City website with quick and easy form
 - Highlighted in the Den
 - Police Department effort
 - Nighttime audit using our Meter Readers
 - Process continued to improve
 - 10 lights exceeded the 10 day expectation due to workload/volume
 - No lights took longer than 12 days to repair