

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title:

Electric Reliability Report – Information Only

Presenter:

Tom Bruhl

Meeting: Government Services Committee

Date: October 28, 2019

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

Attachments *(please list):*

September 2019 Outage Report

September 2019 Streetlight Repair Report

Recommendation/Suggested Action *(briefly explain):*

For information only.

**City of St. Charles
September 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	9/1/2019	6:40 AM	93	115 N. 4th St.	315	No power / broken cutout. Replaced cutout and re-fused.	3	279	Equipment	Switch
2	9/3/2019	2:35 AM	155	8th Ct. (407, 423, 431, 416)	333	Outage caused by large tree branch that had fallen. Put lines back up.	4	620	Tree	Large Branch
2	9/3/2019	2:35 AM	1	807 Oak St., 415 8th Ct.	333	Outage to clear up lines. Pulled fuse door on transformer. Cleared arcing lines and restored power.	2	2	Tree	Large Branch
3	9/3/2019	8:51 AM	0	Sub 8/Sub 6, west side of town, IYC, St. Charles Youth Center, Harvest Hills, Rt. 38, Renaux Manor, Prairie, Oak St.	56931	ComEd Momentary outage. No City action taken - OA/RA on 56931. Tree contact with line during heavy wind.	2896	0	ComEd	56931
4	9/3/2019	11:59 AM	0	Ohio Ave.	533	No power. Breaker for 533 tripped and reclosed instantaneously. Patrolled line, looking for cause. Suspect 3415 Ohio form equipment fell over into 30, knocking down fence by pole.	49	0	Others	Other
5	9/13/2019	4:45 AM	90	S. 10th Ave. S. 11th Ave. S. 12th Ave.	311	No power. Blew 25k.	42	3,780	Weather	Wind
5	9/13/2019	4:45 AM	170	S. 10th Ave. S. 11th Ave. S. 12th Ave.	311	No power. Blew 25k.	17	2,890	Weather	Wind
6	9/15/2019	11:09 AM	81	924 S. 4th St.	624	Blown transformer fuse. Squirrel made contact with bushings. Re-fused 10k.	4	324	Animal	Squirrel
7	9/15/2019	11:48 PM	117	Beatrice Ave. / Lift Station	311/312	Mylar balloon burned down #6 copper at lift station. Repaired primary and re-fused cutouts.	8	936	Others	Balloons
8	9/27/2019	8:12 PM	0	E. Main St., Tyler Rd., Hunt Club, State St., N. 9th, N. 10th, N. 11th, N. 12th, and N. 13th Ave.	315/316	No power. At 8:12 pm, breaker for 315/316 tripped and reclosed automatically. Suspect lightning strike. Patrolled line at 8:00 am on 9/28, nothing found.	730	0	Weather	Lightning
9	9/28/2019	12:40 AM	0	Cedar St., W. Main St., N. 7th St., Rt. 25, Q-Center	313/314	No power. At 12:40 am, breaker tripped and closed back in instantaneously. Suspect lightning/storm. Patrolled circuit at 8:00 am on 9/28, nothing found.	450	0	Weather	Lightning
Total of Interrupted Minutes								8,831		
Total SAIDI*									0.563	
Total of ComEd Interrupted Minutes								0		
Total SAIDI without ComEd									0.563	
*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	51	5.7
October		
November		
December		
January		
February		
March		
April		