



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: November 26, 2018

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

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

\* October 2018 Outage Report

\* October 2018 Streetlight Repair Report

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

For information only.

**City of St. Charles  
October 2018 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	10/5/2018	4:25 PM	85	Moore Ave., 3rd Pl., 4th Pl., 5th Pl., Division St.	311	Large (private) tree limb ripped down primary, secondary, and services to several houses on Moore Ave., between 2nd Pl. and 3rd Pl. Removed tree and put primary back in air. Re-energized.	86	7,310	Tree	Large Branch/Tree
1	10/5/2018	4:25 PM	110	1800 block of 2nd Pl. and 3rd Pl.	311	Large (private) tree limb ripped down primary, secondary, and services to several houses on Moore Ave., between 2nd Pl. and 3rd Pl. Removed tree and put primary back in air. Re-energized.	10	1,100	Tree	Large Branch/Tree
1	10/5/2018	4:25 PM	140	112, 118, 205, 211 Moore Ave.	311	Large (private) tree limb ripped down primary, secondary, and services to several houses on Moore Ave., between 2nd Pl. and 3rd Pl. Removed tree and put primary back in air. Re-energized.	6	840	Tree	Large Branch/Tree
2	10/8/2018	9:32 AM	0	E. Main St., Warwick, SaveWay, St. Charles Place, Amli	534	Switchgear flash at 2580 W. Main St. (SaveWay). Removed flashed barrier board. No action taken - breaker closed. Instantaneous operation.	49	0	Equipment	Switchgear
3	10/14/2018	10:46 AM	0	Sub 5, transformer 3, Dukane Dr., Ohio Ave., 37th Ave., Illinois Ave., Production Ave., Kautz Rd., Cumberland Green Dr., Patricia Ln., Kirk Rd., Via Veneto Dr., Chandler Ave.	13156	Loss of ComEd 13156. ComEd and City Staff patrolled fault zone and could not determine cause. No visual damage found.	557	0	ComEd	13156
4	10/20/2018	1:25 PM	540	1600-1700 S. 13th Ave., 1307 Jewel Ave., 1600-1700 Lucille Ave., 1700 block of Pleasant Ave.	311	Private tree in back of 1638 Pleasant Ave. tore down 4 spans primary/secondary. Removed tree, pulled in 4 spans, new secondary, repaired primary, cut over houses to new wire.	20	10,800	Weather	Wind
5	10/20/2018	1:25 PM	305	S. 6th St., S. 7th St., Cutler St.	624	Tree from 802 S. 7th St. blew over at 615 Cutler St., breaking pole. Isolated primary and secondary, set new pole, removed tree, and transferred primary, secondary, and services to new pole. Re-energized.	10	3,050	Weather	Wind
6	10/20/2018	2:42 PM	228	Forrest Blvd., Pleasant Ave., Jay Ln., Lucille Ave., Moore Ave., 7th Ave., S. 13th Ave.	311	Tree/wind at the rear of 1747 Pleasant Ave. Removed tree, braced leaning pole, put primary back in the air, spliced, and re-energized primary.	44	10,032	Weather	Wind
7	10/20/2018	2:42 PM	348	800-900 block of Munhall Ave.	316	15 kV cutout failure. Replaced cutout and re-energized.	4	1,392	Equipment	Switch
8	10/20/2018	2:45 PM	18	Ohio Ave., 37th Ave., Illinois Ave., Production, Kautz Rd., Cumberland Green, Patricia Ln., Equity Dr., Enterprise, Swenson, Commerce, southeast quadrant of town.	13156	Storm/wind caused loss of ComEd line 13156. Isolated 13156 and transferred load to 13155. Cause was tree on riser pole at Kirk Road and the bike path. ComEd removed tree and submitted area to their vegetation management.	557	10,026	ComEd	13156
						<b>Total of Interrupted Minutes</b>		<b>44,550</b>		
						<b>Total SAIDI*</b>			<b>2.842</b>	
						Total of ComEd Interrupted Minutes		<b>10,026</b>		
						Total SAIDI without ComEd			<b>2.202</b>	
						*System Average Interruption Duration Index (SAIDI)				

## Streetlight Repair Report

Expectation: Streetlights will be repaired within 10 days of notification

### Streetlight Repair Statistics

Fiscal Year	Number of Lights Repaired	Average Days to Repair
2018	801	5.3
<b>2019</b>		
Month Light Was Repaired	Number of Lights Repaired	Average Days to Repair
May	66	4.4
June	27	3.0
July	38	3.3
August	47	6.2
September	46	3.0
October	167	7.9
November		
December		
January		
February		
March		
April		

**October Notes:**

Temperature changes and fluctuations of colder weather seasons induces more lamp failures.