



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: September 24, 2018

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

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

\* August 2018 Outage Report

\* August 2018 Streetlight Repair Report

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

For information only.

**City of St. Charles  
August 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	8/10/2018	12:00 PM	45	248 N. Randall Rd.	222	Partial power, 3Ø transformer. Cause is unknown - possible rooftop equipment. De-energize primary and transfer/refuse 40 amp bayonet fuses. 1 fuse blown, changed all 3 fuses. Test, transfer and energize.	1	45	Unknown	Fuse
2	8/20/2018	7:30 AM	60	800 block of S. 2nd St.	331	Broken porcelain cutout. Replaced.	10	600	Equipment	Fuse
3	8/22/2018	11:26 AM	9	State St., N. 4th, 5th, and 6th St., E. Main St., N. 11th, 12th, and 13th Ave., Hunt Club, Fox Chase	315/316	Blacktop roller on N. 12th Ave. caught tree, tearing down tree into primary & secondary circuit. Recloser was in non-reclosing for work on State St. Breaker locked out. Isolated N. 12th Ave., reclose recloser remotely to restore all power, except N. 12th Ave.	700	6,300	Others	Vehicle
3	8/22/2018	11:26 AM	37	N. 12th St., Wing Ave.	316	No power. Blacktop roller on N. 12th Ave. caught tree, tearing down tree into primary & secondary circuit. Refused switchgear, cutout, checked wires for damage.	30	1,110	Others	Vehicle
4	8/28/2018	9:29 PM	0	N. 7th St., N. 9th St., State St.	226	3 breaker recloses. No sustained outage. No action taken, patrolled line / possible tree down on N. 7th St. Ripped service to house off at 214 N. 7th St., possibly slapping A-C phases together on pole.	34	0	Tree	Large Branch
5	8/28/2018	9:36 PM	46	Sub 5, Wallace, Tyler, E. Main St., ConAgra Foods, Kirk, Ohio Ave.	11167	Storms / ComEd lost L11167. Isolate 11167, pick up load on 13155 and 13156. ABC fault with no ground involvement. ComEd patrolled and found possible tree contact in West Chicago in the ROW, but no damage to equipment or wire.	642	29,532	ComEd	11167
<b>Total of Interrupted Minutes</b>								<b>37,587</b>		
<b>Total SAIDI*</b>								<b>2.398</b>		
Total of ComEd Interrupted Minutes								<b>29,532</b>		
Total SAIDI without ComEd								<b>0.514</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		
October		
November		
December		
January		
February		
March		
April		

**August Notes:**

7 lights in Industrial Park exceeded 10 days due to cable fault.