



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: July 23, 2018

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

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

\* June 2018 Outage Report

\* June 2018 Streetlight Repair Report

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

For information only.

**City of St. Charles  
June 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	6/2/2018	7:40 AM	0	From Tyler Rd. to Randall Rd., between Fox Glen and Prairie St.	13150	Blast on 34kV overhead equipment at City Hall Substation. Unknown cause / automatic reclose.	2880	0	Equipment	Arrester
2	6/6/2018	6:11 AM	43	McKinley St., S. 5th St., S. 6th St.	624	Blown transformer fuse (5127T02). Squirrel made contact from arrester bracket bolt to under the arrester cap. Re-fused transformer.	11	473	Animal	Squirrel
3	6/7/2018	6:49 AM	42	Union Ave., S. 7th Ave.	311	Blown transformer fuse. Squirrel made contact with top of transformer and H1 bushing. Re-fused transformer.	8	336	Animal	Squirrel
4	6/7/2018	11:30 PM	122	S. 4th Pl. and S. 5th Pl.	311	Outage caused by broken porcelain cutout on transformer at 1728 S. 4th Pl. De-energized 10 primary at Moore Ave., trimmed trees, tested transformer, changed cutout, and re-fused.	12	1,464	Equipment	Other
5	6/8/2018	5:26 AM	0	Cedar Street and West Main Corridor	315/316	2-140k fuses and 2-150E fuses blown. Squirrel made contact across A & B phases on cross arm.	729	0	Animal	Squirrel
5	6/8/2018	6:55 AM	0	Cedar Street and West Main Corridor	315/316	Second momentary due to squirrel that made contact across A & B phases on cross arm. Unclear exactly how the second momentary was caused.	729	0	Animal	Squirrel
5	6/8/2018	8:30 AM	184	13th Avenue - Auto repair shop	316	2-140k fuses and 2-150E fuses blown. Squirrel made contact across A & B phases on cross arm. Spliced both phases using covered 1 phase ACSR and covered tie wire. Re-fused riser pole and switchgear.	1	184	Animal	Squirrel
6	6/16/2018	7:20 AM	28	157 S. Tyler Rd.	514	Outage due to new service hook up. Shut off power, hooked up new service and restored power.	1	28	Scheduled	Customer
7	6/23/2018	6:23 AM	0	Between Prairie St. & Gray St., from the River to 14th St.	624	Squirrel on transformer pole - operated recloser.	767	0	Animal	Squirrel
7	6/23/2018	6:23 AM	54	700 Block of S. 7th Street	624	Squirrel on transformer pole - took out fuse and operated recloser.	8	432	Animal	Squirrel
8	6/23/2018	7:28 AM	0	Rt. 38 - IYC, west side treatment plant, Tri-Com bus barn.	813	Mouse in switchgear at Rt. 38 & Randall Rd. Breaker opened and reclosed. No switchgear damage.	13	0	Animal	Mouse
9	6/27/2018	7:28 AM	26	1700 block of Pleasant Ave. & Forrest Blvd.	311	Squirrel took out transformer fuse. Replaced fuse and restored power.	12	312	Animal	Squirrel
<b>Total of Interrupted Minutes</b>								<b>3,229</b>		
<b>Total SAIDI*</b>							<b>0.206</b>			
Total of ComEd Interrupted Minutes								<b>0</b>		
Total SAIDI without ComEd							<b>0.206</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		
August		
September		
October		
November		
December		
January		
February		
March		
April		

**June Notes:**

Multiple outages reported on Swenson Ave due to a natural cable fault.  
Lights were fixed the next work day.