



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: May 29, 2018

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

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

\* April 2018 Outage Report

\* April 2018 Streetlight Repair Report

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

For information only.

City of St. Charles  
April 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	4/11/2018	10:00 AM	120	S. 13th St. - 100 Block	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	10	1,200	Scheduled	SCMEU
2	4/12/2018	10:00 AM	240	1203 W. Main St.	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	2	480	Scheduled	SCMEU
3	4/14/2018	2:30 PM	102	Elite Sports, Play It Again, Collision Center, Pep Boys.	611	611 A0 to ground. Refused 125E fuse to switchgear. Patrolled and did not find problem. Suspect phases slapped together in wind.	4	408	Weather	Wind
3	4/14/2018	2:30 PM	0	137 customers in the area around Randall and West Main	611	Instantaneous breaker operation caused by phases slapping together in heavy wind.	137	0	Weather	Wind
4	4/14/2018	5:26 PM	130	Elite Sports, Play It Again, Collision Center, Pep Boys.	611	611 A0 to ground. De-energize 30 bank, splice and segment A0 to neutral, re-fuse uplead 100K. Patrolled and found where phases slapped together in heavy wind. Resagged conductors.	4	520	Weather	Wind
4	4/14/2018	5:26 AM	0	137 customers in the area around Randall and West Main	611	Instantaneous breaker operation caused by phases slapping together in heavy wind.	137	0	Weather	Wind
5	4/16/2018	10:00 AM	120	1200 Block of W. Main St.	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	2	240	Scheduled	SCMEU
6	4/18/2018	10:00 AM	120	100 Block of 12th and 13th St.	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	2	240	Scheduled	SCMEU
7	4/19/2018	10:00 AM	120	100 Block of 12th St., Walnut St.	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	3	360	Scheduled	SCMEU
8	4/20/2018	10:00 AM	60	126 S. 12th St.	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	1	60	Scheduled	SCMEU
9	4/21/2018	1:27 AM	0	Dean St., N. 17th St., Olcott Plastics, 15th St., Firethorn Apts., W. Main St., N. Randall Rd., Thornwood, Oakcrest.	222	Raccoon got across normally open switch @ 9th St. and State St. One breaker operation, instantaneous outage.	630	0	Animal	Raccoon
9	4/21/2018	1:27 AM	0	N. 9th St., N. 7th St., State St.	226	Raccoon got across goab switch @ 9th St. and State St. One breaker operation, instantaneous outage.	34	0	Animal	Raccoon
10	4/24/2018	10:00 AM	180	500 Block of 10th & 11th Ave.	311	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	10	1,800	Scheduled	SCMEU
11	4/25/2018	10:00 AM	180	1021 Walnut St., 1016 Illinois St.	311	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	6	1,080	Scheduled	SCMEU
12	4/26/2018	10:00 AM	180	300 Block of 13th & 14th St.	214	SCHEDULED OUTAGE. Cut over customers to new poles and transformers.	4	720	Scheduled	SCMEU
						<b>Total of Interrupted Minutes</b>		<b>7,108</b>		
						<b>Total SAIDI*</b>	<b>0.453</b>			
						Total of ComEd Interrupted Minutes		<b>0</b>		
						Total SAIDI without ComEd	<b>0.453</b>			
						*System Average Interruption Duration Index (SAIDI)				

## **Streetlight Repair Report**

Expectation: Streetlights will be repaired within 10 days of notification

### **Streetlight Repair Statistics**

<b>Fiscal Year</b>	<b>Number of Lights Repaired</b>	<b>Average Days to Repair</b>
2018	801	5.3
<b>Month Light Was Repaired</b>	<b>Number of Lights Repaired</b>	<b>Average Days to Repair</b>
May	45	10.5
June	22	4.0
July	166	6.1
August	63	4.4
September	41	4.3
October	54	3.7
November	115	6.5
December	39	4.1
January	89	7.0
February	50	4.7
March	67	4.4
April	50	4.2

April notes: 1 light exceeded 10 days