

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title:

Electric Reliability Report – Information Only

Presenter:

Tom Bruhl

Meeting: Government Services Committee

Date: April 22, 2019

Proposed Cost: \$

Budgeted Amount: \$

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

For Information Only.

Attachments *(please list):*

February 2019 Outage Report

February 2019 Streetlight Repair Report

March 2019 Outage Report

March 2019 Streetlight Repair Report

Recommendation/Suggested Action *(briefly explain):*

For information only.

**City of St. Charles
February 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	2/6/2019	6:27 PM	0	Large sections of the northeast quadrant and AMLI area in the southeast quadrant.	L13154	Car vs. pole at Division and 7th Avenue caused ComEd lines to flash together	1466	0	Others	Vehicle
2	2/8/2019	6:50 PM	110	Chasse Cir. / Shires Ln.	713	Blown fuse in switchgear. Hipot spans and energize to normal open.	11	1,210	Animal	Mouse
2	2/8/2019	6:50 PM	0	Chasse Cir. / Shires Ln.	713	Momentary outage on circuit suspected due to rodent intrusion into a live front switchgear.	672	0	Animal	Mouse
3	2/12/2019	1:42 PM	0	Costco & Fire station #3. Starting at fairgrounds on Randall Rd., north to Oak St., to Woodward, to Regency Dr. West, to the RR tracks, to Dean St., to 17th St. to Main, to Randall Rd.	611	Ice and wind caused phases to short together and a momentary breaker operation for the entire circuit.	137	0	Weather	Ice
3	2/12/2019	1:42 PM	63	Customers at the NE corner of Randall and West Main.	611	Ice and wind caused phases to short together. Installed insulators between phases.	4	252	Weather	Ice
4	2/16/2019	11:13 PM	0	Six circuits involved, difficult to define boundaries. Large sections of the SE quadrant and a small portion of the NE quadrant. All of Swift at 410 S. Kirk Rd.	L11167	ComEd circuit L11167 was dropped momentarily. Under investigation by ComEd - fault zone well south out St. Charles.	642	0	ComEd	L11167
5	2/24/2019	11:21 AM	12	Sub 3, The Reserve, North HS, Red Gate, Q-Center, Rt. 25, SW side of town, Blue Goose, PD.	L7962	ComEd had to open switch for safety to remove limb from another circuit (double circuited) on a pole north of the City Limits. ComEd closed in switch when they were done. (NOTE: 60 MPH winds/trees.)	2720	32,640	ComEd	L7962
						Total of Interrupted Minutes		34,102		
						Total SAIDI*	2.176			
						Total of ComEd Interrupted Minutes		32,640		
						Total SAIDI without ComEd	0.093			
						*System Average Interruption Duration Index (SAIDI)				

**City of St. Charles
March 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	3/14/2019	12:19 AM	0	Sub 5, Dukane, Smithfield Foods, Wallace, Tyler, Production, Industrial, E. Main St., Ohio Ave.	11167	Instantaneous breaker operation on 11167 - ComEd. No City action taken. ComEd found blown arrester well south of City limits.	642	0	ComEd	11167
2	3/15/2019	9:06 AM	0	Sub 5, Dukane, Smithfield Foods, Wallace, Tyler, Production, Industrial, E. Main St., Ohio Ave.	11167	Instantaneous breaker operation on 11167 - ComEd. ComEd patrolled line and found additional arrester failures.	642	0	ComEd	11167
3	3/16/2019	12:02 AM	0	Sub 5, Dukane, Smithfield Foods, Wallace, Tyler, Production, Industrial, E. Main St., Ohio Ave.	11167	Breaker trip on ComEd 11167. ComEd initiated a complete inspection. All old porcelain arresters have been cut off the line. City switched off for a time and used reserve capacity on other lines while ComEd completed all investigations and corrective actions.	642	0	ComEd	11167
4	3/19/2019	11:35 PM	0	Foxfield, W. Main St., Production, Dukane.	715	Instantaneous breaker trip. Raccoon on riser pole to Aml. Patrolled line on 3/20/19, found and removed wildlife.	463	0	Animal	Raccoon
5	3/23/2019	5:45 PM	75	1614 Larson Ave.	515	Service fault. MetroNet hit. Jumper meter, dug 3/25/19.	1	75	Others	Dig-In
6	3/27/2019	10:15 AM	180	6th St./7th St. at Gray St.	624	Hooper - Scheduled Outage as part of Overhead reinforcement work.	18	3,240	Scheduled	SCMEU
7	3/28/2019	11:30 AM	180	6th St./7th St. at Gray St.	624	Hooper - Scheduled Outage as part of Overhead reinforcement work.	5	900	Scheduled	SCMEU
						Total of Interrupted Minutes		4,215		
						Total SAIDI*	0.269			
						Total of ComEd Interrupted Minutes		0		
						Total SAIDI without ComEd	0.269			
						*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
2018	801	5.3

2019

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	58	7.3
December	64	8.0
January	54	6.8
February	66	9.1
March	35	4.0
April		