

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: January 28, 2019

Proposed Cost: \$

Budgeted Amount: \$

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

For Information Only.

Attachments (*please list*):

- * November 2018 Outage Report
- * December 2018 Outage Report

* November / December 2018 Streetlight Repair Report

Recommendation/Suggested Action (*briefly explain*):

For information only.

**City of St. Charles
November 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	11/6/2018	7:54 AM	0	CMD area bounded by the tracks to the north, Kautz to the east, southern City limits to the south, and Kirk Road to the west	513	Overhead capacitor bank cell failure	43	0	Equipment	Capacitor
2	11/25/2018	9:09 PM	0	Costco and Fire Station #3. Starting at Fairgrounds on Randall, north to Oak Street, to Woodward, to Regency Drive West, to the RR tracks, to Dean Street, to 17th Street to Main, to Randall.	611	Momentary caused by wind causing overhead phases to slap together behind Pep Boys at the corner of West Main and Randall	137	0	Weather	Wind
2	11/25/2018	9:09 PM	120	Pep Boys & TriCity Auto at Randall and Main	611	Phases slapping together blew fuse. Customer reported outage on 11/26 and we restored within 2 hours of notification.	2	240	Weather	Wind
3	11/25/2018	10:04 PM	0	Large sections of the SW quadrant + part of Reneaux Manor north of Main.	L56931	Momentary outage on ComEd line during blizzard	2896	0	ComEd	L56931
4	11/25/2018	11:51 PM	0	Area bounded by RR Tracks on the north, Fox River on the east, Main Street on the south, and 7th Street on the west.+ Main Street corridor from Cedar to Hunt Club. Persimmon south of Stonehedge.	315/316	Momentary caused by wind causing overhead phases to slap together near 1001 E. Main	1447	0	Weather	Wind
4	11/25/2018	11:51 PM	120	1001 E. Main	316	Phases slapping together blew fuse. Customer reported outage on 11/26 and we restored within 2 hours of notification.	1	120	Weather	Wind
5	11/26/2018	12:47 AM	0	Large sections of the NE and SE quadrants	L13155	Momentary outage on ComEd line during blizzard	708	0	ComEd	L13155
6	11/26/2018	1:27 AM	0	Large sections of the NE and SE quadrants	L13155	Momentary outage on ComEd line during blizzard	708	0	ComEd	L13155
7	11/26/2018	1:34 AM	0	Large sections of the NE and SE quadrants	L13155	Momentary outage on ComEd line during blizzard	708	0	ComEd	L13155
8	11/26/2018	1:57 AM	0	Large sections of the NE and SE quadrants	L13155	Momentary outage on ComEd line during blizzard. After four momentary outages, City switched these customers to L13156 via 12kV switching at Dukane Drive Sub	708	0	ComEd	L13155

**City of St. Charles
November 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
9	11/26/2018	2:47 AM	0	Large sections of the NE and SE quadrants. L13156 was carrying L13155 customers due to momentaries on that line.	L13156	Momentary outage on ComEd line during blizzard	1265	0	ComEd	L13156
10	11/26/2018	2:55 AM	28	Large sections of the NE and SE quadrants. L13156 was carrying L13155 customers due to momentaries on that line.	L13156	Sustained outage on ComEd line during blizzard. Switched all customers to L13154.	1265	35,420	ComEd	L13156
11	11/26/2018	5:09 AM	45	Large sections of the NW quadrant + the residential area in the SW quadrant bounded by Main on the North, 10th Street on the East, Prairie Street on the South, and Randall Road on the West.	L57736	Three momentary outages on ComEd line during blizzard and then lock out to sustained outage. City performed switching to L56931.	2512	113,040	ComEd	L57736
						Total of Interrupted Minutes		148,820		
						Total SAIDI*			9.494	
						Total of ComEd Interrupted Minutes		148,460		
						Total SAIDI without ComEd			0.023	
						*System Average Interruption Duration Index (SAIDI)				

**City of St. Charles
December 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	12/1/2018	10:13 AM	60	Bay 3, Sub 3, SE & SW quadrants, PD, City Hall, Q Center, N. Rt. 25, Illinois Ave., Indiana Ave., Walnut Ave.	L7962	No power. Loss of ComEd 7962. Static cone down on Sterns, locked out (2) 3Ø lines.	2327	139,620	ComEd	L7962
1	12/1/2018	10:13 AM	77	North High School, The Reserve, Red Gate.	L7962	No power. Loss of ComEd 7962.	393	30,261	ComEd	L7962
2	12/2/2018	10:29 AM	91	S. 5th St. & S. 6th St.	624	Spruce tree top broken off onto primary during storm. Blown 40k lateral fuse. Removed tree and re-fused 40k.	17	1,547	Tree	Small Branch
3	12/18/2018	12:46 AM	77	LDC-2, Sub 3, Bay 3, Rt. 31, Prairie St., 1st St., Walnut Ave., Illinois, Indiana, Q-Center, City Hall, PD.	L7962	Loss of ComEd 7962. 7962 was on 57739, which locked out. City responded, Edison divorced lines, re-energized 7962 from source.	2720	209,440	ComEd	L7962
								0		
								0		
								0		
						Total of Interrupted Minutes		380,868		
						Total SAIDI*			24.298	
						Total of ComEd Interrupted Minutes		379,321		
						Total SAIDI without ComEd			0.099	
						*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		
February		
March		
April		