



**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: August 22, 2016

Proposed Cost: \$

Budgeted Amount: \$

Not Budgeted:

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

For Information Only.

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

\*July 2016 Outage Report

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

For information only.

**City of St. Charles  
July 2016 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	7/12/2016	9:30 AM	0	From Kirk Rd. to Dunham between DuKane & Fox Chase.	514	Cable fault caused momentary breaker operation.	294	0	Equipment	Cable
1	7/12/2016	9:30 AM	80	Business on the West side of Dunham from Main St. to Foxfield.	514	Cable fault. Fault span was isolated, fuse was replaced & loop was switched to restore power.	40	3,200	Equipment	Cable
2	7/14/2016	2:01 AM	0	Timbers, Wildrose Springs & Rt. 31	224	Lightning arrester failure caused breaker operation.	618	0	Equipment	Arrestor
3	7/16/2016	6:59 AM	46	Fellows & Ash St's.	331	Bird caused fuse to blow on transformer. Bird was removed & transformer was re-fused.	10	460	Animal	Bird
4	7/21/2016	8:40 PM	0	Substation 2; Rt. 31, Dean, N. 6th & 9th St.'s, W. Main St., 12th - 14th, 17th & 18th St.'s.	57736	Lightning strike on ComEd line, suspected near Silver Glen and Randall Road. ComEd patrolled the area and found no damage that needed to be repaired.	2556	0	ComEd	L57736
5	7/21/2016	8:40 PM	0	W. Main, 12th-14th St.'s, 17th, 18th St.'s, Indiana St.	214	Instantaneous breaker operation. Possible tree/wind.	1019	0	Weather	Wind
6	7/25/2016	5:30 AM	0	W. of Randall & SW of Main St. & West	56931	ComEd momentary outage - under investigation.	2795	0	ComEd	L56931
7	7/26/2016	8:30 AM	2	City Hall, Q Center, Rt. 25, 1st St., Illinois St., Rt. 31, Walnut Ave., Central part of town.	7962	ComEd switching operation error, wrong switch opened. Error immediately identified and switch closed.	2674	5,348	ComEd	L7962
8	7/28/2016	3:30 PM	270	Banbury & Independence Ave.	515	Lightning caused transformer failure. Underground transformer was replaced.	7	1,890	Weather	Lightning
9	7/28/2016	3:32 PM	34	Downtown area & central part of City.	13150	Loss of ComEd circuit 13150. Transformer 3T1 was switched to ComEd circuit 13154 at substation 3.	2470	83,980	ComEd	L13150
9	7/28/2016	3:32 PM	48	SW part of town.	13150	Loss of ComEd circuit 13150 during heavy storm. Transformer 6T1 was switched to ComEd circuit 56931 at substation 6.	410	19,680	ComEd	L13150
						<b>Total of Interrupted Minutes</b>				<b>114,558</b>
						<b>Total SAIDI*</b>		<b>7.426</b>		
						Total of ComEd Interrupted Minutes	<b>109,008</b>			
						Total SAIDI without ComEd		<b>0.360</b>		
							<b>0.000</b>			
						*System Average Interruption Duration Index (SAIDI)				