

**AGENDA ITEM EXECUTIVE SUMMARY**

Agenda Item number: 3.a.

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Meeting: Government Services Committee

Date: September 25, 2017

Proposed Cost: \$

Budgeted Amount: \$

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

For Information Only.

Attachments (*please list*):

* August 2017 Outage Report * August 2017 Streetlight Repair Report

Recommendation/Suggested Action (*briefly explain*):

For Information Only

**City of St. Charles
August 2017 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	8/3/2017	2:11 PM	0	E. Main St. from Dunham to Fieldgate.	534	Vehicle hit switchgear. Automatic reclose.	35	0	Others	Vehicle
1	8/3/2017	2:11 PM	49	E. Main St. from Fieldgate to Kirk.	534	Vehicle hit switchgear. Automatic reclose.	12	588	Others	Vehicle
2	8/5/2017	12:00 PM	30	1220 & 1225 Brook St.	214	Shut off power to replace bad connection on secondary main. Replaced connection and restored power.	2	60	Equipment	Connector
3	8/11/2017	9:07 AM	68	417 Stone Dr.	514	12kv tap burned apart at the pole. Shut off power completely, replaced connectors and restored power.	1	68	Equipment	Connector
4	8/26/2017	4:05 AM	0	Harvest Hills, Renaux, Rt. 38, Meijer, Prairie, Westfield Park, IYC, Tri-Com.	56931	Loss of ComEd 56931. Instantaneous breaker operation - no sustained. No city action required.	2896	0	ComEd	56931
5	8/28/2017	4:58 PM	0	SW side of town, Renaux, Harvest Hills, Prairie, Westfield Park, Randall Rd., Rt. 38, Meijer.	56931	Loss of ComEd 56931. Auto reclose. No city action required. Lightning caused momentary outage.	2896	0	ComEd	56931
6	8/29/2017	1:06 PM	39	Harvest Hills, Renaux, IYC, Prairie, Randall, Rt. 38, Sub 8, Bay 2, Sub 6.	56931	Lightning arresters on ComEd line. ComEd 56931 tripped and reclosed twice, then locked out for a sustained 39 minute outage. Restored power internally from 13150.	2896	112,944	ComEd	56931
7	8/30/2017	8:25 AM	243	1001 E. Main St.	332	Termination burned up at riser pole. Replaced conductors from riser pole to transformer. Restored power.	6	1,458	Equipment	Cable
Total of Interrupted Minutes								115,118		
Total SAIDI*								7.368		
Total of ComEd Interrupted Minutes								112944		
Total SAIDI without ComEd								0.139		
*System Average Interruption Duration Index (SAIDI)										

Streetlight Repair Report

Expectation: Streetlights will be repaired within 10 days of notification

Month Light Was Reported	Number of Lights Reported	Average Days to Repair
April	48	30.3
May	45	10.5
June	22	4.0
July	166	6.1
August	63	4.4

August repair exceptions:

Three lights took longer than 10 days to fix due to the complexity of the required repair