



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Please check appropriate box:

<input checked="" type="checkbox"/>	Government Operations	X	Government Services 08.25.14
<input type="checkbox"/>	Planning & Development		City Council
<input type="checkbox"/>	Public Hearing		

Estimated Cost:	\$	Budgeted:	YES		NO	
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If NO, please explain how item will be funded:

Executive Summary:

For information only.

Attachments: *(please list)*

July 2014 Outage Report.

Recommendation / Suggested Action *(briefly explain):*

For information only.

For office use only:

Agenda Item Number: 3.a

**City of St. Charles
July 2014 Outages**

OUTAGE No.	DATE	TIME OFF	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
1	7/2/2014	1:30 PM	60	1707 Jeanette Ave.	311	Underground service cable failure.	1	60	Equipment	Service
2	7/7/2014	1:03 AM	0	NE Quad.	L7962	ComEd line lost. Confirmed lightning hit. ComEd patrolled fault zone. No clear location identified.	2674	0	ComEd	L7962
3	7/7/2014	3:40 PM	60	1232 Ronzheimer Ave.	311	Connection burned in two at the house.	1	60	Equipment	Connector
4	7/9/2014	2:30 PM	60	900 Block of Fern Ave.	311	1/2 power due to bad connections.	5	300	Equipment	Connector
5	7/12/2014	11:39 AM	0	NE & SW Quad's	13150	ComEd line lost. ComEd confirmed tree contact with underbuilt 12kV circuit caused flash. No damage to L13150.	2880	0	ComEd	L13150
6	7/12/2014	11:11 PM	0	Stone Dr. from Production to Tyler	514	Lightning. Caused flash in transformer at Hunt Club Village. Momentary.	294	0	Weather	Lightning
6	7/12/2014	11:11 PM	0	State St. from the river to 7th St.	315	Lightning. Caused flash in transformer at Hunt Club Village. Momentary.	115	0	Weather	Lightning
6	7/12/2014	11:11 PM	0	Main St. from Tyler to 9th Ave. S. Tyler from Main St. to Munhall	316	Lightning. Caused flash in transformer at Hunt Club Village. Momentary.	550	0	Weather	Lightning
6	7/12/2014	11:11 PM	134	200 Hunt Club Dr.	316	Lightning caused flash in transformer. Isolated, cleaned, and temporarily re-energized. Need scheduled outage to replace transformer.	50	6,700	Weather	Lightning
6	7/13/2014	11:11 PM	128	Businesses on N. side of Main St. from Hunt Club to Tyler Rd.	316	Lightning caused flash in transformer. Isolated all other customers on 316 from bad transformer.	14	1,792	Weather	Lightning
7	7/13/2014	1:04 PM	65	Fox Glen Dr. & Fox Glen Ct.	314	Faulted underground primary cable caused by fence post.	10	650	Others	Dig In
8	7/13/2014	1:04 PM	111	612, 621 & 629 Fox Glen Dr.	314	Faulted underground primary cable caused by fence post.	3	333	Others	Dig In
9	7/13/2014	1:04 PM	338	605 Fox Glen Dr.	314	Secondary main failure caused by fence post. Placed secondary on the ground for temp feed.	1	338	Others	Dig In

City of St. Charles
July 2014 Outages

OUTAGE No.	DATE	TIME OFF	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
10	7/13/2014	2:37 PM	7	Fox Glen Dr. & Fox Glen Ct.	314	Fuse blew while restoring power after repairs.	10	70	Others	Dig In
11	7/15/2014	3:05 AM	38	NE Quad.	733	Motor vehicle accident. DUI	228	8,664	Others	Vehicle
11	7/15/2014	3:05 AM	108	NE Quad.	734	Motor vehicle accident. DUI	850	91,800	Others	Vehicle
12	7/16/2014	9:00 AM	145	Hunt Club Village	316	Scheduled transformer replacement after damage from lightning strike.	1	145	Scheduled	SCMEU
13	7/17/2014	7:30 AM	270	St. Charles Vet; 530 Dunham Rd.	733	Scheduled - leaking transformer	1	270	Scheduled	SCMEU
14	7/17/2014	10:15 AM	60	410 - 420 38th Ave.	511	Blown transformer fuse.	2	120	Equipment	Fuse
15	7/18/2014	9:17 AM	13	SE Quad.	311	Broken primary on Circuit 312. Isolated 311 and restored.	80	1,040	Equipment	Wire
15	7/18/2014	9:17 AM	31	SE Quad.	312	Broken primary. Isolated and repaired.	13	403	Equipment	Wire
16	7/19/2014	1:40 PM	0	Dean St., Renaux Manor & Randall Rd.	216	Undetermined	258	0	Unknown	Breaker/Recloser
						Total of Interrupted Minutes		112,745		
						Total SAIDI*	7.267			
						Total of ComEd Interrupted Minutes				
						Total SAIDI without ComEd	7.267			
						*System Average Interruption Duration Index (SAIDI)				