



AGENDA ITEM EXECUTIVE SUMMARY

Title: Presentation of ComEd Reliability Quarterly Report

Presenter: Tom Bruhl

Please check appropriate box:

<input checked="" type="checkbox"/>	Government Operations	X	Government Services 02.22.16
<input type="checkbox"/>	Planning & Development		City Council
<input type="checkbox"/>	Public Hearing		

Estimated Cost:	\$	Budgeted:	YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
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If NO, please explain how item will be funded:

Executive Summary:

Presentation of the discussion that occurred with ComEd and system reliability since the last update.

Attachments: *(please list)*

ComEd Reliability Memo, ComEd Maintenance Program Status Chart

Recommendation / Suggested Action *(briefly explain):*

For information only.

<i>For office use only:</i>	<i>Agenda Item Number: 4.e</i>
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Memo

Date: 2/10/2016
To: Peter Suhr
From: Tom Bruhl
Re: ComEd Update

Staff continues to meet with ComEd quarterly and communicate in a timely fashion if outages occur.

ComEd completed investigations of all sustained and momentary outages. City staff is satisfied with the detailed follow-up and corrective actions taken. Except for a few momentary outages, ComEd investigations resulted in positive confirmation of the cause and corresponding corrective action. A number of outages were upstream transmission problems and not issues with the 34.5kV lines feeding the City.

ComEd continues to do an excellent job with respect to root cause investigation and the corrective actions. Four momentary outages were linked to ComEd metering equipment. ComEd performed a detailed investigation looking for a root or common cause. While none was confirmed, ComEd is installing additional lightning protection around the metering sites, as show on the attached spreadsheet.

For calendar 2015, there were a total of 21 outages related to ComEd lines. Eighteen of the outages were momentary "blinks". The other three events resulted in sustained outages.

Sustained Outages were:

2/3/15 – L7962 – central part of City – 28 minutes – failed connector

10/31/15 – L13167 & L13155 – NE & SE quadrants – 58 minutes – Animal nesting material at West Chicago Substation

11/18/15 – L11167 – SE & NE quadrants – 52 minutes – uprooted tree along ROW fell into line

These outages were restored using reserve capacity on other ComEd lines and St. Charles switching.

While statistically the 21 outages appears to be worse performance compared to 2014, customer outage minutes related to ComEd were down 40%. While the momentary outages are an inconvenience, they are a standard protective measure that avoids sustained outages.

ComEd has also provided a spreadsheet showing the status and schedule for their normal maintenance programs, cells highlighted in yellow depict items that were completed in 2015.

ComEd continues to work with the City with respect to their system planning activities related to summer peak loads, and our contingency plans remain intact.

As a follow up task from our Emmitsburg training with FEMA, staff has initiated discussion with ComEd about providing support at an EOC (Emergency Operations Center) in the event of a major storm. Staff will continue to coordinate and plan with ComEd for major emergency response.

2015 ComEd Maintenance & System Improvements Relating To The City of St. Charles

Line Number and (Sub Served)	Date of Last Tree Trimming ***	*Target Date of Next Tree Trimming ***	Date of Last ThermoScan Inspection	*Target Date of Next ThermoScan Inspection	Date of Last Maintenance Inspection	*Target Date of Next Maintenance Inspection	Projects in ComEd Substation Related to Lines	Other Projects
L7962 (1/2 of City Hall Sub) and (Red Gate Rd. Sub)	3/27/2012	3/26/2016	2/12/2015	12/31/2017	1/16/2014	12/31/2016	All P.M.'S currently on schedule	Entire Line Thermo Scanned following Lockout on 2/3/15. No anomalies found. Additional arresstor protection will be installed near the Primary Metering Poles at ESSW513 & ESSW514 in 2016
L13150 (1/2 City Hall Sub) and (1/2 Prairie St Sub)	8/17/2013	8/17/2017	9/15/2015	12/31/2017	2/27/2014	12/31/2016	All P.M.'S currently on schedule	Additional arresstor protection will be installed near the Primary Metering Pole in 2016.
L13154 (1/2 N 12th St Sub) and (1/2 Dunham Sub)	8/15/2013	8/15/2017	6/29/2015	12/31/2017	9/15/2015	12/31/2017	All P.M.'S currently on schedule	Additional arresstor protection will be installed near the Primary Metering Pole in 2016.
L13155 (1/4 Dukane Sub)	7/15/2013	7/15/2017	6/29/2015	12/31/2017	3/6/2015	12/31/2017	All P.M.'S currently on schedule	
L13156 (1/4 Dukane Sub)	6/17/2013	6/17/2017	9/10/2015	12/31/2017	9/16/2015	12/31/2017	All P.M.'S currently on schedule	Additional arresstor protection will be installed near the Primary Metering Pole in 2016.
L13167 (was L13159) (1/2 Dunham Sub)	6/30/2013	6/30/2017	6/24/2014	12/31/2016	11/4/2014	12/31/2016	All P.M.'S currently on schedule	Additional arresstor protection will be installed near the Primary Metering Pole in 2016.
L57736 (1/2 N 12th St Sub)	4/19/2014	4/18/2018	1/16/2014	12/31/2016	4/15/2014	12/31/2016	All P.M.'S currently on schedule	
L11167 (1/2 Dukane Sub)	7/12/2012	7/11/2016	6/9/2015	12/31/2017	2/26/2015	12/31/2017	All P.M.'S currently on schedule	
L56931 (Peck Rd Sub) and (1/2 Prairie St Sub)	6/30/2014	6/30/2018	5/1/2014	12/31/2016	10/17/2015	12/31/2017	All P.M.'S currently on schedule	Additional arresstor protection will be installed near the Primary Metering Pole in 2016.

Target dates can vary slightly due to work load.