



AGENDA ITEM EXECUTIVE SUMMARY

Title: Electric Reliability Report – Information Only

Presenter: Tom Bruhl

Please check appropriate box:

| | | | |
|--------------------------|------------------------|-------------------------------------|------------------------------|
| <input type="checkbox"/> | Government Operations | <input checked="" type="checkbox"/> | Government Services 09.28.15 |
| <input type="checkbox"/> | Planning & Development | <input type="checkbox"/> | City Council |
| <input type="checkbox"/> | Public Hearing | <input type="checkbox"/> | |

| | | | | |
|-----------------|----|-----------|------------------------------|-----------------------------|
| Estimated Cost: | \$ | Budgeted: | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
|-----------------|----|-----------|------------------------------|-----------------------------|

If NO, please explain how item will be funded:

Executive Summary:

For information only.

Attachments: *(please list)*

*August 2015 Outage Report

Recommendation / Suggested Action *(briefly explain):*

For information only.

For office use only: Agenda Item Number: 3.a

**City of St. Charles
August 2015 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 | 8/2/2015 | 5:46 AM | 0 | Prairie St. From S. 14th St. to Randall Rd. | 622 | Momentary outage on circuit due to underground primary cable fault. No outage calls reported. | 520 | 0 | Equipment | Cable failure |
| 1 | 8/2/2015 | 8:17 AM | 0 | Prairie St. From S. 14th St. to Randall Rd., 18th & 19th St. from Oak To Walnut St. | 622 | Second momentary outage on circuit due to underground primary cable fault. | 520 | 0 | Equipment | Cable failure |
| 1 | 8/2/2015 | 5:46 AM | 221 | Between Prairie & Rt. 38 from S. 14th St. to Randall Rd. | 622 | Underground primary cable fault. | 30 | 6,630 | Equipment | Cable failure |
| 1 | 8/2/2015 | 5:46 AM | 403 | Businesses on the NW corner of Lincoln Hwy and 14th Street | 622 | Underground primary cable fault. | 10 | 4,030 | Equipment | Cable failure |
| 2 | 8/2/2015 | 12:22 PM | 0 | NE quadrant | L13167 | Confirmed lightning strike during storm event. Strike zone patrolled by ComEd but no damage found. | 1381 | 0 | ComEd | L13167 |
| 3 | 8-2 & 8-3/2015 | 11:30 PM | 232 | Washington Ave. between S. 7th Ave. & 9th Ave. | 311 | Tree branches fell on wires. | 7 | 1,624 | Weather | Wind |
| 4 | 8/4/2015 | 10:00 PM | 390 | 2535 E. Main St.; Nissan of St. Charles | 534 | Scheduled outage for Nissan to replace 400 A service to address Code Violations. | 1 | 390 | Scheduled | Customer |
| 5 | 8/7/2015 | 9:00 AM | 135 | Antoine Pl. | 216 | Scheduled outage for transformer raise. | 10 | 1,350 | Scheduled | SCMEU |
| 6 | 8/8/2015 | 7:05 PM | 0 | S.W. side of town; Oak St., Prairie St. Randall Rd., 14th St., Old Mall on Rt. 38 | 622 | Cable fault to Kinder Care. | 482 | 0 | Equipment | Cable failure |
| 7 | 8/10/2015 | 6:20 AM | 150 | Kinder Care; 1875 Prairie St. | 622 | Single phase primary fault. | 1 | 150 | Equipment | Cable failure |
| 8 | 8/10/2015 | 7:18 AM | 0 | Ohio Ave. | 533 | Bird caused blown transformer & cap bank fuses on capacitor bank by Ark Technologies | 39 | 0 | Animal | Bird |
| 9 | 8/10/2015 | 6:30 PM | 45 | 1018 Dean St. | 222 | Large tree limb broke & laid on 3 phase primary & secondary. | 10 | 450 | Tree | Large branch |
| 10 | 8/13/2015 | 2:00 PM | 40 | Antoine Pl. & Provence area | 811 | Fuse burned out during single phase switching. | 20 | 800 | Utility Error | |

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| 11 | 8/17/2015 | 12:00 PM | 60 | Otter Cove; 3615 Campton Hills Rd. | 811 | Vehicle hit transformer. Park District employee, summer help. | 2 | 120 | Others | Vehicle accident |
| 12 | 8/23/2015 | 7:45 AM | 300 | 20 N. 17th St.; Fox River Tire. | 222 | Replaced transformer due to age/condition. | 1 | 300 | Scheduled | SCMEU |
| 13 | 8/25/2015 | 5:25 PM | 90 | 175 N. 11th Ave. | 514 | Tree branch downed service cable, pulled secondary main from dead end. | 1 | 90 | Tree | Large branch |
| 14 | 8/31/2015 | 1:31 PM | 0 | NE quadrant | 733/734 | Momentary outage related to primary cable fault on Royal Fox Court. | 1081 | 0 | Equipment | Cable failure |
| 14 | 8/31/2015 | 1:31 PM | 61 | Royal Fox Court and Royal Fox Drive west of Kirk | 734 | Primary cable fault on Royal Fox Court. Cable was injected in 2013, under investigation. | 18 | 1,098 | Equipment | Cable failure |
| | | | | | | | | | | |
| | | | | | | Total of Interrupted Minutes | | | 17,032 | |
| | | | | | | Total SAIDI* | | 1.104 | | |
| | | | | | | Total of ComEd Interrupted Minutes | 0.000 | | | |
| | | | | | | Total SAIDI without ComEd | | 1.104 | | |
| | | | | | | | 0.000 | | | |
| | | | | | | *System Average Interruption Duration Index (SAIDI) | | | | |