

 ST. CHARLES <small>S I N C E 1 8 3 4</small>	AGENDA ITEM EXECUTIVE SUMMARY					
	Title:		Electric Reliability Report – Information only			
	Presenter:		Tom Bruhl			
<i>Please check appropriate box:</i>						
		Government Operations		X	Government Services 1.28.13	
		Planning & Development			City Council	
		Public Hearing				
Estimated Cost:		\$		Budgeted:	YES	NO
If NO, please explain how item will be funded:						
Executive Summary:						
For your information						
Attachments: <i>(please list)</i>						
None						
Recommendation / Suggested Action <i>(briefly explain):</i>						
For information only						
<i>For office use only:</i>		Agenda Item Number: 3.a				

**City of St. Charles
November 2012 Outages**

OUTAGE No.	DATE, TIME OFF ----- DAY	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE	ACTION	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
1	11/5/12 2:53PM Monday	4	North of State St. along Rt. 31. Wildrose, Timbers, Reserves, and North High School.	224	Top of tree fell across 3 phase high voltage conductors near the Timbers.	Circuit 224 was de-energized, tree was cut to clear conductors and power was restored.	850	3,400	Tree	Large Branch
2	11/15/12 10:00AM Thursday	60	902 Fellows St.	624	Faulted underground service cable.	Fault was located, excavated and the service was repaired.	1	60	Equipment	Service
3	11/16/12 1:00PM Friday	75	906 Riverside Ave.	312	Customer dropped tree on service.	Tree was pulled and cleared and the service was repaired.	1	75	Tree	Large Branch
4	11/17/12 2:30PM Saturday	60	1631 Jay Ln.	311	Neighbor dropping tree on limb which caused the line to burn service.	Burned service was replaced.	1	60	Others	Other
5	11/19/12 1:00AM Monday	135	615 S. Randall Rd.	615	Transformer changed out.	Temporary 150 XFMR was replaced with new 300 KVA XFMR from auto accident in May 2012.	10	1,350	Others	Vehicle
6	11/28/12 4:06PM Wednesday	114	407 Fulton Ave.	334	Open neutral.	All connections were replaced at pole and at home.	1	114	Equipment	Connector
7	11/29/12 10:30AM Thursday	240	1030 N. 3rd Ave.	334	Damaged meter base.	Service cut @ pole, contractor repaired by replacing meter base and then service was reconnected.	1	240	Others	Customer
8	11/30/12 8:30AM Friday	15	529 Post Rd.	514	Customer was having some electric issues, electric was shut down to investigate.	Meter base & service conductors were checked & found no problem.	1	15	Scheduled	Customer
9	11/30/12 8:30AM Friday	20	126 S. 13th St.	214	Tree branch on wires.	Damaged service cables were repaired and power was restored.	1	20	Tree	Large Branch
						Total of Interrupted Minutes		5,334		
						Total SAIDI *	0.346			
						Total of ComEd Interrupted Minutes		0		

**City of St. Charles
December 2012 Outages**

OUTAGE No.	DATE, TIME OFF ----- DAY	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE	ACTION	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
1	12/8/12 10:30PM Saturday	105	Hunt Club area, Gino's, Arby's etc.	316	Burnt SM-4 fuse holder.	Feed was isolated, isolate & hypot spans from normal open.	17	1,785	Equipment	Switch
1	12/8/12 10:30PM Saturday	0	Circuits 315/316	315 & 316	Burnt SM-4 fuse holder.	Automatic reclose.	719	0	Equipment	Switch
2	12/10/12 11:00AM Monday	45	1 - 200 Hunt Club Dr.	316	Scheduled outage.	Damaged switchgear was changed out.	200	9,000	Scheduled	SCMEU
3	12/20/12 6:14PM Thursday	0	Willowgate Ln., Park Shore Apts., White Oak Cir., 1st, 2nd, 3rd Sts., Rt. 31, Roosevelt St., Indiana & Ohio Ave.	331/332	Tree fell and ripped down 12 spans primary and tree landed on car.	6 Instantaneous breaker operation.	1,347	0	Weather	Wind
3	12/20/12 6:38PM Thursday	26	Circuit 332 - SE quadrant in area bounded by the river, Adams Ave, 13th Ave, and Main Street.	332	Tree fell and ripped down 12 spans of primary at Horne and Route 31. Recloser locked out.	Isolate 332 from the problem on Circuit 331 and re-energize 332	388	10,088	Weather	Wind
3	12/20/12 6:38PM Thursday	26	First Street, and all customers west of 2nd Street.	331	Tree fell and ripped down 12 spans of primary at Horne and Route 31. Recloser locked out.	Isolate the problem by pulling the fuses on Mosedale between Elm and 2nd Street. Switching completed while circuit was locked out. These customers came on at the same time as 332.	500	13,000	Weather	Wind
3	12/20/12 6:38PM Thursday	129	White Oak Circle	331	Tree fell and ripped down 12 spans of primary at Horne and Route 31.	Use normal opens to re-energize the loops in White Oak Circle	50	6,450	Weather	Wind
3	12/20/12 6:30PM Thursday	26	S.W. side of town, Willowgate, Park Shore Apts., Rt. 31, Roosevelt St.	331	Tree fell and ripped down 12 spans primary and tree landed on car.	Down wire was isolated and recloser was re-energized.	588	15,288	Weather	Wind
4	12/20/12 11:26PM Thursday	0	NW quadrant - Dean Street coridor from 9th to Randall	222	Tree caused overhead primary phase to come down.	Four recloser operations. Breaker was eventually manually tripped.	606	0	Weather	Wind
4	12/20/12 11:56PM Thursday	11	NW quadrant - Dean Street coridor from 9th to Randall	222	Tree caused overhead primary phase to come down behind Dairy Queen.	Isolated down wire, used normal open to restore all customers. Line repaired 10/21.	606	6,666	Weather	Wind
5	12/26/12 3:00PM Wednesday	60	213 S. 19th St.	214	Partial power due to bad connection at pole.	All connections were replaced at house and pole.	1	60	Equipment	Connector
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						Total of Interrupted Minutes		62,337		
						Total SAIDI *	4.041			
						Total of ComEd Interrupted Minutes		0		
						Total SAIDI without ComEd	4.041			
						*System Average Interruption Duration Index				