



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title: Update on Monthly Outage Report – June and July 2011
Presenter: Glynn Amburgey

Please check appropriate box:

<input checked="" type="checkbox"/>	Government Operations	X	Government Service 08.22.11
<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:
Info only

Attachments: (please list)
Monthly Outage Report

Recommendation / Suggested Action (briefly explain):

For information only

For office use only: Agenda Item Number: 2*a

City of St. Charles, IL
June 2011

	A	B	C	D	E	F	G	H	I	J	K
1	OUTAGE No.	DATE, TIME OFF, DAY	TIME ON (Min)	AREA AFFECTED	CIRCUIT No.	CAUSE	ACTION	NO. OF CUST.	OUTAGE MINUTES	MAJOR CATEGORY	SUB CATEGORY
2	1	6/7/11 8:33 AM Tuesday	Instantaneous	Peck Road Sub, half of Prairie Substation, west of Randall Rd, along and south of Prairie from Randall to Rte. 31	L56931	ComEd Momentary Investigation of phase to phase contact and pinpoint of location suggests geese at Mill Creek subdivision retention pond on Keslinger Road.	ComEd Automatic reclose	2661	0	ComEd	L56931
3	2	6/7/11 10:30 AM Tuesday	10	310 N. 4th St.	315	Unknown	De-energized customer, splice damage connector and wire out, re-energized	1	10	Equipment	Service
4	3	6/8/11 10:59PM Wednesday	Instantaneous	NE Quadrant	L13154	Under investigation	ComEd Automatic Reclose	1420	0	ComEd	L13154
5	4	6/9/11 7:10 AM Thursday	80	Between Main St. & Walnut St. from river to 4th St.	331	Lightning took out fuses	Determined problem, investigated cause, restored power	8	640	Weather	Lightning
6	5	6/12/11 6:50 AM Sunday	50	State St from 5th St. to 7th St.	315	Squirrel took out transformer fuse	Added wildlife protection, restored power	15	750	Animal	Squirrel
7	6	6/14/11 3:05 PM Tuesday	30	2nd Place, Beatrice, Moore, 3rd Place	311	Lightning arrester blew lateral fuse	Isolate arrester, re-fuse line, replace arrester	15	450	Equipment	Arrester
8	7	6/14/11 4:10 PM Tuesday	60	1505 Shoreline Dr	224	Secondary service fault	Jumpered meter socket to restore customer to full power, will repair and dig new service next business day	1	60	Equipment	Service
9	8	6/15/11 3:50 AM Wednesday	Instantaneous	Peck Road area, Tri Com, IYC, Randall & Oak, Westfield Park area, Bricher area	L56931	ComEd Momentary - under investigation Storm activity suspected	ComEd Automatic reclose	2661	0	ComEd	L56931
10	9	6/15/11 6:45 AM Wednesday	25	Jay Lane, Lucylle Ave	311	Tree branch on transformer pole	Remove tree branch, refuse lateral, refuse transformer	18	450	Tree	Branch
11	10	6/15/11 8 AM Wednesday	45	915 S. 3rd St	624	Shut off power due to tree on the wire	Repaired service cable, restored power	1	45	Tree	Large tree
12	11	6/16/11 7:15 AM Thursday	23	17th St. north of Main St.	222	Tree branch	Removed tree branch, restored power	7	161	Tree	Branch
13	11	6/16/11 7:15 AM Thursday	60	50 N 17th St	222	Lost one primary phase	Resized fusing for better coordination, restored power	1	60	Tree	Branch
14	12	6/16/11 8:15 AM Thursday	65	From Allen to Marion between 5th Ave and 6th Ave	314	Tree branch fell on secondary line	Cleared up problem, repaired damaged cable, restored power	11	715	Tree	Branch
15	13	6/16/11 9:56PM Thursday	Instantaneous	7th Avenue Corridor and Riverside Corridor. Part of First Street.	311/312	Cable fault at Riverside Liftstation operated recloser one time before fuse cleared	Automatic recloser operation	1446	0	Equipment	Cable
16	13	6/16/11 10 PM Thursday	350	1509 Riverside Dr	312	Primary cable fault - 1980's vintage direct bury cable	Isolate cable, test and locate fault, dig up and splice, retest cable and re-energize	1	350	Equipment	Cable
17	14	6/17/11 1AM Friday	20	2700 thru 2728 E Main	715	Customer request to replace 400 amp CT cabinet with two meters so that Sears Appliance could have their own meter	De-energized transformer so customer could do his work	1	20	Scheduled	Customer Request
18	15	6/17/11 10 AM Friday	45	Rte 31 and S. 2nd Ave	331	Property tree fell on service	Remove tree, refuse primary tap	12	540	Tree	Large Tree

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	DAY									
1	7/1/11 9:30 PM Friday	60	1340 Brook St.	222	Unknown	Reset Breaker	1	60	Others	Customer
2	7/2/11 1:45 PM Saturday	125	1300 block Elm & S. 2nd St	331	Blown Transformer	Replace transformer and arrester, re-sag secondary	11	1,375	Equipment	Transformer
3	7/2/11 5:35 PM Saturday	80	1210 S. 7th St.	624	Service burnt down	Replace service and re-energize	1	80	Equipment	Service
4	7/4/11 11:25 AM Monday	50	Riverwalk	335	Tripped breaker	Reset breaker, controller set to "hand"	2	100	Others	Customer
5	7/5/11 5:35 AM Tuesday	50	S. 6th St., Indiana, Oak St.	624	Lateral fuse blown	Patrol overhead line, replace lateral fuse, and re-energize primary	50	2,500	Unknown	Fuse
5	7/5/11 5:35 AM Tuesday	Instantaneous	Prairie, 8th St., Home, Katherine, SW Quadrant	624	Instantaneous breaker operation	None	656	0	Unknown	Fuse
6	7/6/11 7:30 AM Wednesday	60	1227 Rita Ave	515	Blown fuse	Assist elderly homeowner in replacing fuse	1	60	Others	Customer
7	7/11/11 7:30 AM Monday	180	Salemos Restaurant	224	Customer Request	De-energize transformer for main breaker replacement	1	180	Scheduled	Customer
8	7/11/11 7:29 AM Monday	Instantaneous	SW Quadrant and part of NW Quadrant	L56931	ComEd confirmed lightning strike on 138 KV issue caused momentary on Sugar Grove station. L56931 breaker did not operate.	ComEd 138kV system operation	2661	0	ComEd	L56931
8	7/11/11 7:46 AM Monday	Instantaneous	NW Quadrant	L57736	Tree contact during thunderstorm	ComEd recloser operation	2413	0	ComEd	L57736
8	7/11/11 7:46 AM Monday	Instantaneous	12th St. to 7th St. north of Dean St.	226	Tree	Normal recloser operation	48	0	Tree	Lg. Branch
8	7/11/11 7:48 AM Monday	18	Center of City and north, City Hall, First St., Prairie St corridor, Indiana Ave, Rte. 25 corridor	L7962	Tree contact during thunderstorm	Switching to L13150 by City crews at Sub 3. Isolate 331/332 due to other problems. Pick up 333, 334, 335 and 336.	1667	30,006	ComEd	L7962
8	7/11/11 7:48 AM Monday	Instantaneous	First St and South of First St., Indiana Ave	331/332	Heavy storm and wind, multiple recloser attempts	Pick up 331, isolate 332, repair wire	1137	0	Weather	Wind
8	7/11/11 7:48 AM Monday	41	First St and South of First St.	331/332	Phase down on 332	Isolate 331 and restore	777	31,857	Weather	Wind

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8	7/11/11 7:48 AM Monday	56	Indiana Ave corridor except for area on Walnut between 3rd and 7th Ave	332	Line down on Walnut	Isolate down wire, restore all other customers from 316.	300	16,800	Weather	Wind
8	7/11/11 7:48 AM Monday	94	Walnut Ave area between 3rd Ave and 7th Ave	332	Heavy wind during storm	Repair wire	60	5,640	Weather	Wind
9	7/11/11 7:55 AM Monday	95	Jay Lane, Moore Ave, Lucille Ave, Pleasant Ave	311	Heavy wind, blown fuse	Replace fuse, restore most customers	48	4,560	Weather	Wind
9	7/11/11 7:55 AM Monday	115	Jay Lane, Lucille Ave.	311	Clean up top of transformer	Debris from heavy wind	15	1,725	Weather	Wind
10	7/11/11 10:30 PM Monday	75	508 State Ave	311	Burned up service connection at pole	Replace connection, sleeve on piece of wire	2	150	Equipment	Connector
11	7/13/11 2:25 PM Wednesday	20	Indiana St. & 6th St. area	624	Shut off power	Replace deteriorated cutout, arrester and restored power	7	140	Equipment	Switch
12	7/14/11 7 PM Thursday	60	1402 S. 6th St.	624	Tree fell on service	Replace service and re-energize	1	60	Tree	Branch
13	7/19/11 5:25 PM Tuesday	Instantaneous	Chasse Circle/Fox Chase Area	713	Primary Cable fault	Automatic Reclose	747	0	Equipment	Cable
13	7/19/11 5:25 PM Tuesday	72	Chasse Circle	713	Primary Cable fault-First span	Hi-Pot to find bad span, perform switching to restore	18	1,296	Equipment	Cable
14	7/20/11 6 AM Wednesday	Instantaneous	Ronzheimer, Larson, Wallace Ave	515	Primary Cable fault	Automatic Reclose	863	0	Equipment	Cable
14	7/20/11 6 AM Wednesday	36	Ronzheimer, Larson Ave	515	Primary Cable fault	Isolate bad span, switch to restore all customers	28	1,008	Equipment	Cable
15	7/20/11 12:08 PM Wednesday	7	SW Quadrant	L56931	Phase to phase issue on 5631 caused operation of 138kV line.	ComEd operator noticed that automated 35kV switch opened during 138kV operations and made decision to reclose the switch from their dispatch center.	2805	19,635	ComEd	L56931
16	7/22/11 1:57AM Friday	Instantaneous	SW Quadrant and small section of NW quadrant, west of Peck Rd	L56931	Fault occurred near the intersection of Peck and Keslinger. Line patrolled with no issues found.	Automatic Reclose	2805	0	ComEd	L56931

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	DAY									
17	7/23/11 1:57 AM Saturday	Instantaneous	NW Quadrant & part of SW Quadrant	L57736	Confirmed lightning strike at Silver Glen and Randall	Automatic Reclose	2753	0	ComEd	L57736
18	7/23/11 2:05 AM Saturday	Instantaneous	SW Quadrant and small section of NW quadrant, west of Peck Rd	L56931	Confirmed lightning strike between Keslinger and Lewis on Peck Road.	Automatic Reclose	2805	0	ComEd	L56931
19	7/23/11 2:06 AM Saturday	Instantaneous	First Street, Oak St corridor, Indiana St. corridor, NE Quadrant up to Qcenter	333/334	Lightning on loop near Oak & 9th Ct.	Automatic Reclose	838	0	Weather	Lightning
19	7/23/11 2:06 AM Saturday	92	S. 9th Ct, S. 8th, 9th St., 8th Ct.	333	Lightning hit	Patrol overhead line, replace fuse	30	2,760	Weather	Lightning
20	7/23/11 2:07 AM Saturday	Instantaneous	Area bounded by 11th St, Crestwood Circle, Randall Rd, West Main St.	222	Lightning suspected	Automatic Reclose	802	0	Weather	Lightning
21	7/23/11 2:07 AM Saturday	234	Pineview Medical offices - 930 N. 5th Ave to 994 N. 5th Ave	314	Lightning hit blew doors off transformer	Isolate transformer, switch to restore	6	1,404	Weather	Lightning
21	7/23/11 2:07 AM Saturday	413	970 N. 5th Ave	314	Transformer destroyed by lightning	Replace transformer	1	413	Weather	Lightning
22	7/23/11 2:07 AM Saturday	128	Bounded by South Ave, 7th Ave, Madison Ave, 11th Ave	311	Lightning	Patrol line, replace fuse first section South Ave, Spring Ave, 9th Ave, odds of 10th Ave	50	6,400	Weather	Lightning
22	7/23/11 2:07 AM Saturday	141	Evens numbers of 10th Ave, 11th Ave	311	Lightning blew fuse	Pick up 2nd half after patrol	50	7,050	Weather	Lightning
23	7/24/11 7:35 AM Sunday	Instantaneous	SW Quadrant and part of NW Quadrant, west of Peck Rd	L56931	Confirmed lightning strike on 138kV line causing momentary outage to Sugar Grove Substation. L56931 did not operate.	Automatic Reclose, picked up 6T2 but Sub 8 transformer 8T1 tripped off	2805	0	ComEd	L56931
23	7/24/11 7:35 AM Sunday	56	Sub 8 customers, TriCom/IYC/Bus Barn	L56931	Confirmed lightning strike on 138kV line causing momentary outage to Sugar Grove Substation. L56931 did not operate.	Switch on 12kV, pick up 813 on 615	8	448	ComEd	L56931
23	7/24/11 7:35 AM Sunday	62	812 Customers	L56931	Confirmed lightning strike on 138kV line causing momentary outage to Sugar Grove Substation. L56931 did not operate.	Switch 812 to 611	231	14,322	ComEd	L56931
23	7/24/11 7:35 AM Sunday	85	811 Customers	L56931	Confirmed lightning strike on 138kV line causing momentary outage to Sugar Grove Substation. L56931 did not operate.	Switch 811 to 216	231	15,015	ComEd	L56931
24	7/28/11 12:03 AM Thursday	Instantaneous	Cedar St. area, Rte. 25 corridor up to Qcenter and Fox Glen	313/314	Lightning caused tree to split which contacted line	Momentary recloser operation	541	0	Weather	Lightning
24	7/28/11 12:03 AM Thursday	90	First few houses on Fox Glen Drive on north side of street	314	Lightning	Clear pieces of tree, replace burned up cutout and arrester after automatic reclose operation	5	450	Weather	Lightning

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25	7/28/11 12:08 AM Thursday	Instantaneous	SE Quadrant and N. Tyler area of NE Quadrant	L11167	Direct lightning strike southeast of RR tracks along Rt 38.	ComEd automatic reclose	587	0	ComEd	L11167
26	7/28/11 12:21 AM Thursday	Instantaneous	SE quadrant, including RR Donnelly	L13155	Direct lightning strike near upfeed pole along Kautz Road	ComEd automatic reclose	986	0	ComEd	L13155
						Total of Interrupted Minutes		165,494		
						Total SAIDI	10.772			
						Total of ComEd Interrupted Minutes		79,426		
						Total SAIDI without ComEd	5.602			
						*System Average Interruption Duration Index				