



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 02.25.13
<input type="checkbox"/>	Planning & Development		City Council
<input type="checkbox"/>	Public Hearing		

Estimated Cost: \$ Budgeted: YES NO

If NO, please explain how item will be funded:

Executive Summary:

For your information.

Attachments: *(please list)*

None

Recommendation / Suggested Action *(briefly explain):*

For information only.

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

Total Customers this Month	15,508	Days of Month
Total Customer Minutes this Month	692,277,120	31

Outage Totals			
	This Month	This Month Last Year	
Unscheduled Outages			
Long	# Outages	2	4
	# Customers Out	15	5
	# Minutes Out	360	555
	# Customer Minutes Out	2,400	630
	# Within City System	2	3
	# Supply to City Minutes	0	120
Short	# Outages (Blinks)	2	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Scheduled Outages			
Long	# Outages	2	1
	# Customers Out	9	1
	# Minutes Out	85	180
	# Customer Minutes Out	365	180
	# Within City System	2	1
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Totals			
	Total Long Outages	4	5
	Total Short Outages (Blinks)	2	0
	Total Customers Out (Long)	24	6
	Total Customers Affected (Short- Blinks)	0	0
	Total Customer Minutes Out	2,765	810
	Total Outages Within City System	4	4
	Total Outages in Supply to City	0	1

Number of Outages (by Cause)					
Cause	Description	Total This Month	This Month Last Year	Rolling AT	%
0	Supply to City	0	0	21	13%
1	Overhead Equipment Failure	1	2	17	10%
2	Underground Equipment Failure	3	0	17	10%
3	Weather	0	0	34	21%
4	Wildlife	0	0	9	5%
5	Trees	1	0	14	9%
6	Substation	0	0	0	0%
7	Human	0	0	0	0%
8	Other	0	1	42	26%
9	Unknown	0	0	0	0%
10	Vehicle/Dig Ins/Caused by Others	1	1	10	6%
	Total	6	4	164	

12 Month Outage Statistics		
Index	As of This Month	As of This Month Last Year
ASAI (%)	99.9805	99.9955
CAIDI (Long) (min)	84.13	23.90
SAIDI (Long) (min)	8.59	1.98
SAIFI (Long) (ints/tot cust)	0.10	0.08
SAIFI (Short) (ints/tot cust)	0.27	0.35

- ASAI - Average Service Availability Index
(customer minutes available/total customer minutes, as a %)
- CAIDI - Customer Average Interruption Duration Index
(average minutes interrupted per interrupted customer)
- SAIDI - System Average Interruption Duration Index
(average minutes interrupted per customer for all customers)
- SAIFI (Long) - System Average Interruption Frequency Index
(# of long interruptions per customer for all customers)
- SAIFI (Short) - System Average Interruption Frequency Index
(# of short interruptions per customer for all customers)