



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 06.24.13
<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 information only.

Attachments: *(please list)*

May 2013 Outage Report.

Recommendation / Suggested Action *(briefly explain):*

For information only.

For office use only:

Agenda Item Number: 3.a

Total Customers this Month	15,520	Days of Month
Total Customer Minutes this Month	692,812,800	31

Outage Totals			
		This Month	This Month Last Year
Unscheduled Outages			
Long	# Outages	6	15
	# Customers Out	538	3264
	# Minutes Out	585	1034
	# Customer Minutes Out	24,480	19,917
	# Within City System	5	15
	# Supply to City Minutes	23,940	0
Short	# Outages (Blinks)	5	4
	# Customers Affected	4,464	6333
	# Within City System	1	2
	# Supply to City Minutes	0	0
Scheduled Outages			
Long	# Outages	0	3
	# Customers Out	0	5
	# Minutes Out	0	516
	# Customer Minutes Out	0	972
	# Within City System	0	3
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0

Number of Outages (by Cause)					
Cause	Description	Total This Month	This Month Last Year	Rolling AT	% AT
0	Supply to City	3	2	20	14%
1	Overhead Equipment Failure	1	4	14	10%
2	Underground Equipment Failure	2	0	22	16%
3	Weather	0	5	28	20%
4	Wildlife	2	3	8	6%
5	Trees	2	1	14	10%
6	Substation	0	0	0	0%
7	Human	0	0	0	0%
8	Other	1	5	26	19%
9	Unknown	0	0	0	0%
10	Vehicle/Dig Ins/Caused by Others	0	2	7	5%
	Total	11	22	139	

12 Month Outage Statistics		
Index	As of This Month	As of This Month Last Year
ASAI (%)	99.9796	99.9965
CAIDI (Long) (min)	96.53	25.43
SAIDI (Long) (min)	8.92	1.55
SAIFI (Long) (ints/tot cust)	0.09	0.06

S/U - Scheduled or Unscheduled
 Ints - # of Interruptions
 Long - >1 min; Short - <1 min
 Cause # - see table on page 3

	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Totals			
	Total Long Outages	6	18
	Total Short Outages (Blinks)	5	4
	Total Customers Out (Long)	538	3269
	Total Customers Affected (Short- Blinks)	4,464	6333
	Total Customer Minutes Out	24,480	20889
	Total Outages Within City System	5	18
	Total Outages in Supply to City	5	2

SAIFI (Short) (ints/tot cust)	0.23	0.44
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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)

S/U - Scheduled or Unscheduled
Ints - # of Interruptions
Long - >1 min; Short - <1 min
Cause # - see table on page 3