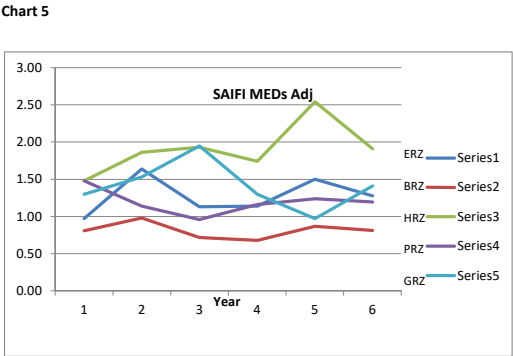
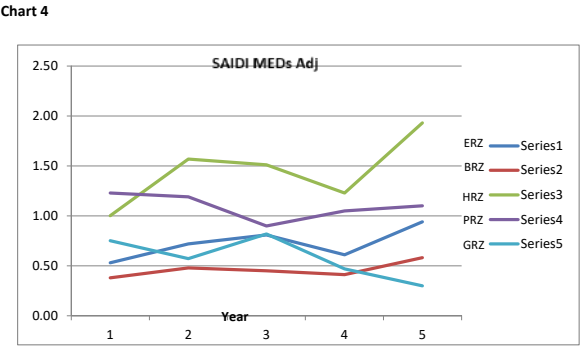
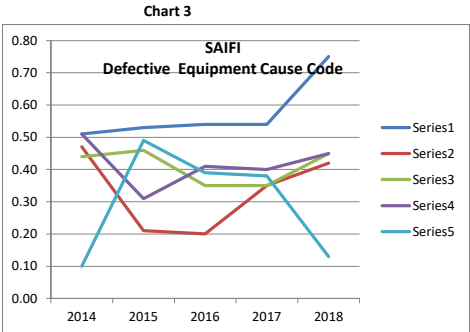
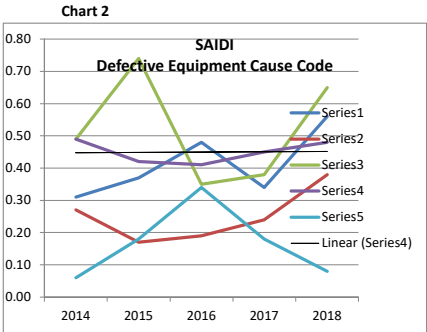
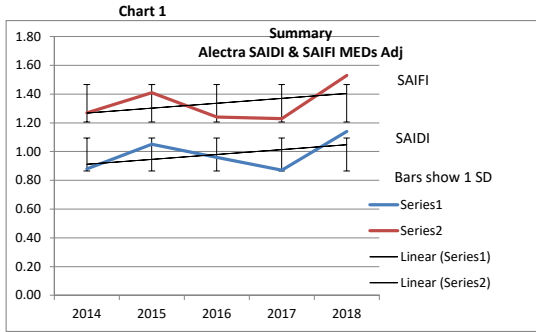


Alectra Utilities Rate Zones System Reliability

SAIDI [MEDs Adjusted]									SAIDI [MEDs Adjusted]								
HISTORIC 2014-2018									Defective Equipment Cause Code								
Rate Zone	2014	2015	2016	2017	2018	5 year Avg	Trend*	Target 2020-2024	Rate Zone	2014	2015	2016	2017	2018	5 year Avg	% of SAIDI	Trend*
ERZ	0.53	0.72	0.81	0.61	0.94	0.72	Worse		ERZ	0.31	0.37	0.48	0.34	0.56	0.41	57.06%	
BRZ	0.38	0.48	0.45	0.41	0.58	0.46	Worse		BRZ	0.27	0.17	0.19	0.24	0.38	0.25	54.35%	
HRZ	1.00	1.57	1.51	1.23	1.93	1.45	Worse		HRZ	0.49	0.74	0.35	0.38	0.65	0.52	36.05%	
PRZ	1.23	1.19	0.90	1.05	1.10	1.09	Better		PRZ	0.49	0.42	0.41	0.45	0.48	0.45	41.13%	
GRZ	0.75	0.57	0.82	0.47	0.30	0.58	Better		GRZ	0.06	0.18	0.34	0.18	0.08	0.17	28.87%	
Alectra	0.88	1.05	0.96	0.87	1.14	0.98	Worse	0.98	Alectra	0.40	0.44	0.37	0.36	0.50	0.41	42.29%	Worse
SAIFI [MEDs Adjusted]									Defective Equipment Cause Code								
									% SAIFI								
ERZ	0.97	1.64	1.13	1.14	1.50	1.28	Worse		ERZ	0.51	0.53	0.54	0.54	0.75	0.57	44.98%	
BRZ	0.81	0.98	0.72	0.68	0.87	0.81	Better		BRZ	0.47	0.21	0.20	0.35	0.42	0.33	40.64%	
HRZ	1.48	1.86	1.93	1.74	2.54	1.91	Worse		HRZ	0.44	0.46	0.35	0.35	0.45	0.41	21.47%	
PRZ	1.48	1.14	0.96	1.16	1.24	1.20	Better		PRZ	0.51	0.31	0.41	0.40	0.45	0.42	34.78%	
GRZ	1.30	1.53	1.95	1.30	0.97	1.41	Better		GRZ	0.10	0.49	0.39	0.38	0.13	0.30	21.13%	
Alectra	1.27	1.41	1.24	1.23	1.53	1.34	Worse	1.34	Alectra	0.47	0.38	0.39	0.41	0.49	0.43	31.92%	Worse
MAIFI																	
Alectra					3.53			No Target									

Summary Alectra Reliability						
	2014	2015	2016	2017	2018	5 year Avg
Alectra SAIDI Meds Adj	0.88	1.05	0.96	0.87	1.14	0.98
Alectra SAIFI Meds Adj	1.27	1.41	1.24	1.23	1.53	1.34



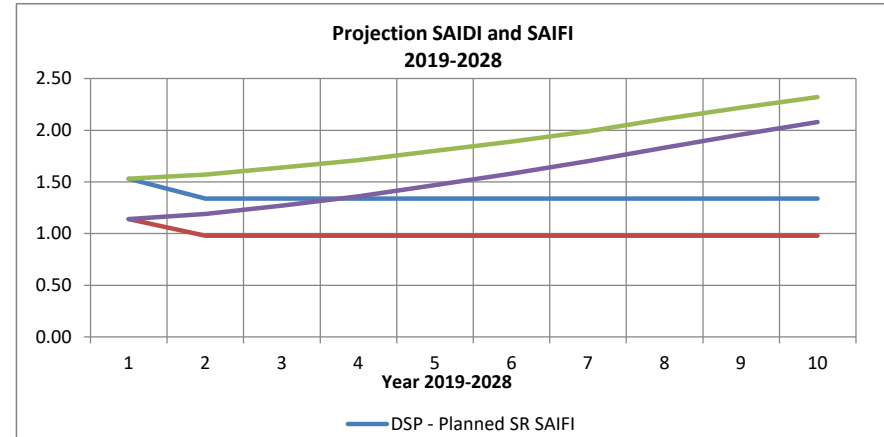
Effect of Major Event Days						
Rate Zone	2014	2015	2016	2017	2018	Difference
ERZ MEDs Adj	0.53	0.72	0.81	0.61	0.94	0.72
ERZ Unadjusted	0.67	0.72	0.81	0.71	1.72	0.93
BRZ MEDs Adj	0.38	0.48	0.45	0.41	0.58	0.46
BRZ Unadjusted	0.57	0.72	0.45	0.48	0.72	0.59
HRZ MEDs Adj	1.00	1.57	1.51	1.23	1.93	1.45
HRZ Unadjusted	2.18	1.77	1.64	1.47	2.96	2.00
PRZ MEDs Adj	1.23	1.19	0.90	1.05	1.10	1.09
PRZ Unadjusted	1.45	1.99	2.74	1.44	1.95	1.91
GRZ MEDs Adj	0.75	0.57	0.82	0.47	0.30	0.58
GRZ Unadjusted	0.75	0.57	1.08	0.47	0.50	0.67
Alectra MEDs Adj	0.88	1.05	0.96	0.87	1.14	0.98
Alectra Unadjusted	1.3	1.42	1.66	1.1	1.87	1.47

Alectra Revision

Table 5: 10 Year Reliability Impact Projection for SAIDI and SAIFI for Scenarios Considered in the Long Term Planned System Renewal Capital Investment Analysis

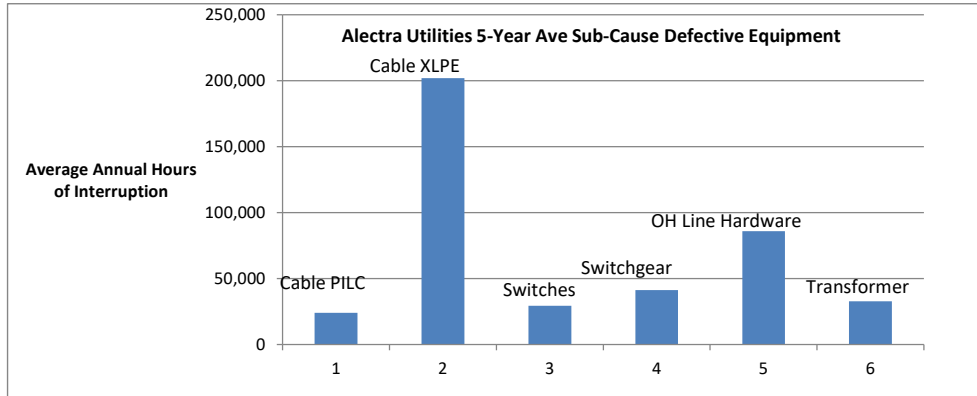
Year	DSP - Planned SR Scenario		Partial Funding - Planned SR Scenario	
	SAIFI (Interruptions)	SAIDI (Hours)	SAIFI (Interruptions)	SAIDI (Hours)
2019	1.53	1.14	1.53	1.14
2020	1.34	0.98	1.57	1.19
2021	1.34	0.98	1.64	1.27
2022	1.34	0.98	1.71	1.36
2023	1.34	0.98	1.80	1.47
2024	1.34	0.98	1.89	1.58
2025	1.34	0.98	1.99	1.70
2026	1.34	0.98	2.11	1.83
2027	1.34	0.98	2.22	1.96
2028	1.34	0.98	2.32	2.08

Chart 6



Alectra EP IRR 26 Table 2
Ex 04 Tab1 Sch 1Fig 5.2.3-11

Asset Type	# of Events	5 Year Reliability Average Impact						
		# of Customer Interruptions	Customer Hour Interruptions	Per Event Customer Impact	Per Event Duration Impact hrs	% of Events	% of Duration	Customer Int SAIDI*
Cable & Accessories PILC	14	14,633	23,966	1,031	1.64	0.01	0.06	0.02
Cable & Accessories XLPE	504	168,999	202,003	335	1.20	0.44	0.49	0.20
Switches	87	38,916	29,262	446	0.75	0.08	0.07	0.03
Switchgear	57	51,104	41,099	897	0.80	0.05	0.10	0.04
OH Line Hardware	157	87,219	85,845	557	0.98	0.14	0.21	0.09
Transformer	317	20,365	32,666	64	1.60	0.28	0.08	0.03
TOTAL	1,136	381,236	414,841	3,330		1.00	1.00	0.41



*assumes~1 million Customers

Replacement Scenario	2019	2020	2021	2022	2023	2024	Total	Impact on # Interruptions SAIFI	Impact on Duration Hrs SAIDI
# Units									
Cable & Accessories PILC	0	0	0	0	0	0	0	0	0
Cable & Accessories XLPE	216	306	400	445	495	538	2400	0.246	0.560
Switches	49	44	44	44	44	44	269	0.006	0.025
Switchgear	81	83	83	83	83	83	496	0.016	0.066
OH Line Hardware - Poles	912	868	929	907	890	868	5374	0.034	0.009
Transformer	1008	485	530	565	580	590	3758	0.016	0.066