

Energy Probe Exhibit K XXX Based on TC Undertaking JT-1.38-01.xls
Reference

EB-2019-0082

Hydro One 2020-2024 CIR Plan System Reliability Metrics
Forecast/Targets

HONI Historical and Forecast

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
T-SAIFI(S) Sustained Interruptions /DP	0.57	0.60	0.59	0.46	0.65	0.83	0.55	0.54	0.53	0.52	0.51	0.50
T-SAIFI(M) #Momentary Interruptions /DP	0.69	0.48	0.50	0.33	0.47	0.50	0.49	0.48	0.48	0.47	0.46	0.45
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
T-SAIDI Avg min/DP	64.9	36.7	43.9	80.8	42.8	70.0	35.4	34.7	34.0	33.3	32.6	32.0
System Unavailability %	0.37	0.48	0.63	0.70	0.69	0.83	0.48	0.47	0.47	0.46	0.45	0.44
Unsupplied Energy Minutes	20.9	12.2	11.8	11.4	13.2	19.5	9.8	9.6	9.4	9.2	9.0	8.8

Ex A-3-1 ETRS

T-MAIFI(S) Sustained Interruptions /DP					0.65	0.58	0.57	0.56	0.55	0.54	0.53	-
T-MAIFI(M) #Momentary Interruptions /DP					0.47	0.53	0.52	0.51	0.50	0.49	0.48	-
T-SAIDI Avg min/DP					42.80	46.50	45.60	44.90	43.80	42.90	42.10	-
System Unavailability %					0.69	0.42	0.41	0.40	0.39	0.38	0.38	-
Unsupplied Energy Minutes					13.20	12.60	12.36	12.11	11.87	11.63	11.40	-

Ex B-1-1 TSP Section 1.1 Pg 26

TSAIDI Excl FIM Events Targets minutes					3.00	14.60	8.10	7.90	7.80	7.60	7.50	7.30
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EX I-2-Energy Probe -5 Page 11/12 (DEC 2018)

T-MAIFI(M) #Momentary Interruptions /DP					0.47	0.50	0.49	0.48	0.48	0.47	0.46	0.45
T-MAIFI(S) Sustained Interruptions /DP					0.65	0.83	0.55	0.54	0.53	0.52	0.51	0.50
T-SAIDI Avg min/DP					42.76	69.95	35.36	34.66	33.96	33.38	32.62	31.97
Unsupplied Energy Minutes					13.16	19.50	9.78	9.59	9.40	9.21	9.02	8.84
System Unavailability %					0.69	0.67	0.48	0.47	0.47	0.46	0.45	0.44

Exhibit I Tab 02 Schedule 10

TSAIFI (S) Excluded					0.65	0.83	0.55	0.54	0.53	0.52	0.51	0.50
T-MAIFI(S) Sustained Interruptions /DP					0.47	0.50	0.49	0.48	0.48	0.47	0.46	0.45
T-SAIDI Avg min/DP					42.76	69.95	35.36	34.66	33.96	33.38	32.62	31.97
Unsupplied Energy Minutes					13.16	19.50	9.78	9.59	9.40	9.21	9.02	8.84
System Unavailability %					0.69	0.67	0.48	0.47	0.47	0.46	0.45	0.44

Exhibit B-1-1 TSP Section 1.5 and Figures 6-10

T-SAIDI (Ave minutes of interruptions per Delivery Point)	0.66	0.56	0.46	0.61	0.83	0.53	0.55	0.54	0.53	0.51	0.50
T-SAIFI-M (Ave. # of Momentary interruptions per Delivery Point)	0.47	0.50	0.33	0.47	0.46	0.49	0.48	0.48	0.47	0.46	0.45
T-SAIDI (Ave minutes of interruptions per Delivery Point)	31.40	37.40	77.20	33.60	47.10	35.40	34.66	33.96	33.28	32.62	31.97
System Unavailability (%)	0.48	0.63	0.71	0.69	0.83	0.48	0.47	0.47	0.46	0.45	0.44
Unsupplied Energy (minutes)	9.00	10.60	8.50	13.20	15.70	9.80	9.59	9.40	9.21	9.02	8.84

Red Values reflect Update

Chart 1

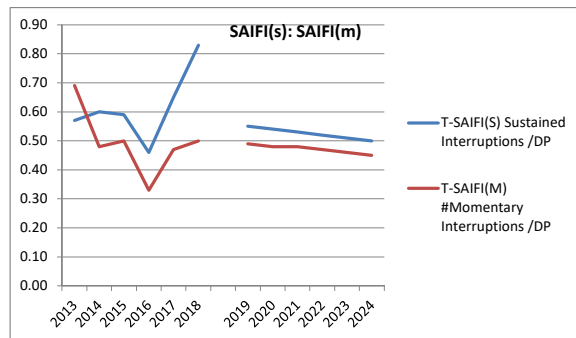
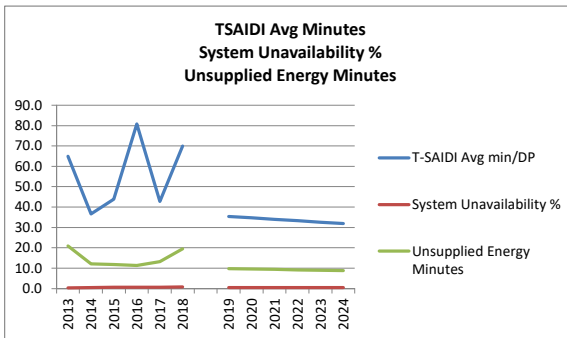


Chart 2



PA Consulting & First Quartile Historic System Reliability Data for US Peer Group; Hydro Quebec Transenergie and Hydro One TX

	2012	2013	2014	2015	2016	2017	2018
TSAIDI/Delivery Point Peer	274.70	166.20	153.30	129.20	115.90	134.20	
TSAIDI/Delivery Point HQT	49.30	107.40	55.10	30.10	53.90	53.70	
TSAIDI/Delivery Point HOT	-	64.90	0.48	43.90	80.80	42.8	70.0
TSAIFI(s)/Delivery Point Peer	1.91	0.83	0.83	0.74	0.75	0.77	
TSAIFI(s) /Delivery Point HQT	0.86	0.85	0.61	0.43	0.54	0.50	
TSAIFI(s) /Delivery Point HOT	-	0.57	0.60	0.59	0.46	0.65	0.83
TSAIFI(m)/Delivery Point Peer	0.59	0.86	0.72	0.85	0.70	0.55	
TSAIFI(m) /Delivery Point HQT	0.27	0.24	0.23	0.21	0.19	0.27	
TSAIFI(m) /Delivery Point HOT	-	0.69	0.48	0.50	0.33	0.47	0.50

References

R-4058-2018 HQT Doc 3 pages 20-23
 R-4096-2019 HQT-2, Doc 1 Pages 16-17
 Chart 2

Chart 1

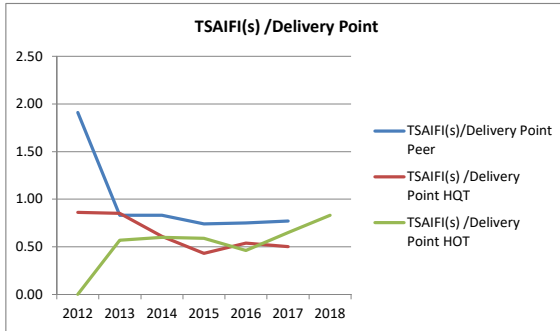
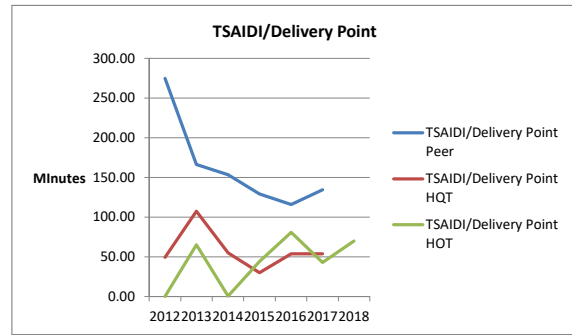


Chart 3

