

- 1 **Q. (Reference Application Schedule B, Distribution Reliability Initiative, page 46 of 99)**  
2 **It is stated “Customers supplied by the worst performing feeders experience power**  
3 **interruptions more often or of longer duration than the Company average” (emphasis**  
4 **added). Please indicate the number and location of customers on the system who meet**  
5 **these criteria, experiencing either “more” or “longer duration” interruptions than the**  
6 **company average?**  
7
- 8 A. The *Distribution Reliability Initiative* assesses distribution feeders based on unscheduled  
9 outages that occur as a result of issues on the feeder.  
10
- 11 Under those conditions, on average, Newfoundland Power’s customers experienced 1.82  
12 hours of outage over the past 5 years (2016 to 2020). Over that same period, 85,966  
13 customers experienced average outage duration time (“SAIDI”) greater than 1.82 hours.<sup>1</sup>  
14
- 15 Table 1 on page 2 provides the feeder ID, customer count and average outage duration  
16 experienced by these customers.  
17
- 18 Similarly, on average, Newfoundland Power’s customers experienced 1.33 interruptions  
19 per year over the past 5 years (2016 to 2020). Over that same period, 100,956 customers  
20 experienced more interruptions (“SAIFI”) than 1.33.<sup>2</sup>  
21
- 22 Table 2 on page 3 provides the feeder ID, customer count and average outage frequency  
23 experienced by these customers.

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<sup>1</sup> SAIDI refers to the System Average Interruption Duration Index.

<sup>2</sup> SAIFI refers to the System Average Interruption Frequency Index.

**Table 1**  
**Feeders with Above Average SAIDI**  
**(2016 – 2020)**

<b>Feeder</b>	<b>Cust</b>	<b>Avg</b>	<b>Feeder</b>	<b>Cust</b>	<b>Avg</b>	<b>Feeder</b>	<b>Cust</b>	<b>Avg</b>
SCR-01	956	9.62	BVA-03	756	3.98	CLK-03	738	2.62
BUC-02	160	9.37	NCH-01	258	3.95	GRH-01	709	2.57
DUN-01	1,048	9.14	STG-01	330	3.84	GBY-01	637	2.56
SUM-02	595	8.60	GBS-02	308	3.80	OPL-02	864	2.56
SBK-01	3	8.19	GLN-01	739	3.77	CHA-03	2,192	2.55
SUM-01	1,802	7.80	PAS-02	1,184	3.74	GDL-04	1,354	2.53
BHD-01	944	7.76	ABC-01	793	3.70	GFS-08	741	2.48
SCT-02	249	7.72	ROB-02	198	3.63	BVS-02	142	2.45
DLK-03	1,407	6.23	WAV-03	225	3.62	LEW-03	1,136	2.39
GBY-03	763	5.98	SUN-01	1,080	3.60	LAU-02	3	2.38
RVH-02	160	5.67	BVS-01	943	3.48	PEP-01	1,485	2.34
TRP-01	594	5.63	GBS-01	869	3.48	SPO-03	469	2.31
BVS-04	1,584	5.50	GIL-01	1,057	3.45	OPL-03	424	2.31
ABC-02	998	5.38	ROB-01	1,072	3.43	GAM-02	131	2.31
SCT-01	724	5.34	NCH-03	3	3.36	WAL-04	1,679	2.28
WES-02	755	5.34	BLK-02	2,076	3.28	GBY-02	898	2.27
DOY-01	1,739	5.22	GFS-06	1,907	3.20	BVA-02	960	2.24
GLV-02	1,515	5.16	LGL-02	616	3.18	HWD-02	853	2.23
WAV-01	1,301	5.09	WAL-02	1,412	3.15	MOL-08	1,031	2.23
SCR-02	1	5.07	BLK-01	1,629	3.04	PBD-01	672	2.20
FER-01	652	5.01	GIL-02	627	2.99	SPR-01	799	2.20
OPL-01	446	4.90	MIL-02	1,493	2.98	MOL-06	1,365	2.19
FRN-01	811	4.69	BCV-02	1,564	2.89	BVA-01	848	2.10
PEP-04	377	4.65	LEW-04	538	2.84	SMV-01	1,093	2.07
TWG-03	311	4.52	BLA-01	1,152	2.81	SPF-02	1,404	2.07
LEW-02	1,492	4.48	LAU-01	695	2.80	MOB-02	884	2.04
NCH-02	662	4.47	LGL-01	353	2.80	VIR-03	819	2.02
CAB-01	1,213	4.47	BOT-02	818	2.75	HWD-06	927	2.02
HOL-03	1,015	4.36	PAB-05	650	2.73	SPF-03	324	2.02
BOT-01	1,716	4.27	STG-02	448	2.73	LLK-02	325	2.01
BCV-04	1,037	4.23	KEN-02	622	2.73	PAS-01	1,000	1.98
TWG-02	692	4.07	MKS-01	463	2.72	WBC-01	819	1.98
NWB-02	1,086	4.00	NWB-01	658	2.67	BIG-01	2	1.95
TWG-01	738	3.98	MMT-01	609	2.63	CAT-01	548	1.93

**Table 2**  
**Feeders with Above Average SAIFI**  
**(2016 – 2020)**

<b>Feeder</b>	<b>Cust</b>	<b>Avg</b>	<b>Feeder</b>	<b>Cust</b>	<b>Avg</b>	<b>Feeder</b>	<b>Cust</b>	<b>Avg</b>
DUN-01	1,048	5.58	TWG-01	738	2.48	SPO-01	710	1.71
SUM-02	595	4.38	PAS-02	1,184	2.48	SPO-02	749	1.66
LEW-03	1,136	4.22	BVS-01	943	2.45	CAB-01	1,213	1.65
TWG-03	311	4.06	GLN-01	739	2.41	BOT-01	1,716	1.64
DOY-01	1,739	3.99	HOL-03	1,015	2.36	HWD-06	927	1.63
BVS-04	1,584	3.84	GBY-01	637	2.21	RVH-02	160	1.63
GBS-01	869	3.80	DLK-03	1,407	2.20	KEN-02	622	1.62
SUM-01	1,802	3.80	SCT-02	249	2.17	BLA-01	1,152	1.62
BUC-02	160	3.74	GBY-02	898	2.16	BIG-01	2	1.57
OPL-01	446	3.67	MMT-01	609	2.14	BLK-01	1,629	1.56
BHD-01	944	3.57	WAL-02	1,412	2.13	MOL-05	1,345	1.55
GLV-02	1,515	3.49	BLK-02	2,076	2.01	MIL-02	1,493	1.55
TWG-02	692	3.39	SPO-03	469	2.01	BOT-02	818	1.48
LEW-02	1,492	3.32	KEN-03	2,321	1.98	NWB-02	1,086	1.48
LGL-02	616	3.30	NCH-02	662	1.97	GAN-02	437	1.47
GBY-03	763	3.22	MSY-03	1,287	1.95	KBR-10	1,321	1.47
SCR-01	956	3.14	FRN-01	811	1.95	PBD-01	672	1.47
LEW-04	538	3.07	NCH-01	258	1.93	GFS-05	601	1.47
PEP-04	377	2.98	PUL-03	1,088	1.93	GDL-04	1,354	1.45
SCT-01	724	2.95	HWD-09	1,637	1.92	SPR-01	799	1.45
PAB-05	650	2.89	WES-02	755	1.88	ROB-01	1,072	1.44
GBS-02	308	2.83	BCV-04	1,037	1.85	VIR-07	217	1.44
TRP-01	594	2.78	SUN-01	1,080	1.81	MSY-02	1,059	1.44
LAU-01	695	2.78	PAB-03	766	1.81	WAL-04	1,679	1.44
HWD-07	2,551	2.76	GFS-08	741	1.81	MOL-06	1,365	1.43
OPL-02	864	2.75	VIR-03	819	1.78	SUN-03	449	1.43
PEP-01	1,485	2.69	SJM-11	1,409	1.78	GRH-01	709	1.41
ABC-02	998	2.68	CHA-03	2,192	1.78	ISL-01	1,041	1.41
GFS-06	1,907	2.64	BVA-03	756	1.78	GRH-03	792	1.40
NCH-03	3	2.63	KBR-11	734	1.78	SCR-02	1	1.40
GIL-01	1,057	2.57	KBR-09	982	1.76	LAU-02	3	1.40
LLK-02	325	2.57	GFS-02	1,702	1.74	MOB-01	1,588	1.40
OPL-03	424	2.56	FER-01	652	1.73	MSY-04	507	1.38
WAV-01	1,301	2.54	WAV-03	225	1.73	GDL-02	1,073	1.35
ABC-01	793	2.53	CAT-01	548	1.73	BVA-02	960	1.35
LGL-01	353	2.52	CHA-01	2,182	1.72			