



Control Number: 51730



Item Number: 7

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Service Quality Report

To The

Public Utility Commission of Texas

In Accordance With

Substantive Rule §25.81

2020 Reporting Year

**Oncor Electric Delivery: North Texas Utility
(NTU)/Legacy Sharyland**

Project 51730

Service Quality Report to the Public Utility Commission of Texas

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

System SAIFI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2020	1.32	0.06	0.09	0.13	0.09	0.10	0.13	0.11	0.20	0.14	0.11	0.08	0.08
Scheduled													
2020	0.26	-	0.03	0.02	0.02	0.01	-	0.02	0.02	0.09	0.01	0.01	0.02
Outside Causes													
2020	0.17	0.01	-	-	-	-	0.02	0.02	-	0.03	0.06	-	0.02
Major Events													
2020	1.02	0.01	-	0.08	0.05	0.23	0.15	0.07	0.10	0.03	0.21	0.04	0.07

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Service Quality Report to the Public Utility Commission of Texas

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

System SAIDI	Annual	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Forced													
2020	170.57	7.07	12.38	16.12	5.83	14.20	18.46	17.60	20.56	28.24	10.93	10.54	8.65
Scheduled													
2020	12.70	0.12	0.99	0.61	0.54	0.73	0.15	1.02	3.17	3.95	0.31	0.41	0.70
Outside Causes													
2020	9.37	1.37	-	-	0.07	-	1.77	2.92	0.44	1.14	1.47	0.02	0.16
Major Events													
2020	170.10	1.05	-	9.61	7.39	37.46	21.50	11.26	13.09	4.58	41.53	2.62	20.02

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

With 10 or more Customers

Add or Delete Rows as Necessary

Total Number of Feeders

139

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIFI Ranking	2019 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIFI Value
1	54	BROWN	1105	185	13.47
2	9	CNLRD	2102	162	9.68
3	8	ESTIL	2103	70	6.27
4	22	BROWN	1103	146	4.52
5	129	DUTTN	1102	414	4.36
6	57	SLTMN	2101	609	3.93
7	91	TRGLE	1103	236	3.76
8	16	CLSTE	2101	1328	3.71
9	79	HEXTS	1102	175	3.44
10	74	RKYRD	2101	137	3.29
11	43	DRIVR	2108	167	3.11
12	29	SLTMN	2104	651	2.99
13	5	LUTHR	2104	150	2.97
14	68	SMLND	2102	2397	2.84
15	75	SLTMN	2102	333	2.59
16	123	CRTRV	2106	60	2.45
17	84	SWNDL	2104	1242	2.42
18	59	APTRD	2104	25	2.40
19	83	VMOOR	2103	43	2.40
20	47	TRGLE	1101	583	2.33
21	12	ELAND	2102	148	2.25
22	66	HDCNR	2104	385	2.23
23	82	CLSTE	2102	1423	2.22
24	130	GRADY	2102	163	2.18
25	53	CNLRD	2104	241	2.17
26	85	PEGRV	2106	899	2.16
27	28	DEWEY	2103	413	2.15
28	27	BULDG	1101	203	2.11
29	99	BLUEA	2106	194	2.08
30	90	APTRD	2102	188	2.04
31	18	SMLND	2103	1647	1.98
32	134	DEWEY	2101	36	1.94
33	33	STILS	2105	201	1.90
34	48	YOSME	1101	510	1.87
35	41	RINGO	2103	87	1.85
36	23	SMLND	2104	1015	1.84
37	20	HDCNR	2105	114	1.79

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIFI Ranking	2019 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIFI Value
38	77	DEWEY	2105	230	1.71
39	6	CYOTE	2102	93	1.68
40	127	VMOOR	2104	146	1.64
41	38	STLWC	2101	447	1.60
42	56	CNLRD	2105	87	1.54
43	124	CYOTE	2104	240	1.50
44	64	SMLND	2105	827	1.48
45	100	SLTMN	2103	485	1.36
46	50	PEGRV	2104	907	1.32
47	14	TRGLE	1106	225	1.29
48	60	APTRD	2103	717	1.28
49	#N/A	GRNCH	2102	285	1.27
50	#N/A	GRADY	2103	12	1.25
51	88	RKYRD	2102	420	1.25
52	136	TRGLE	1104	77	1.22
53	34	NADAM	2103	199	1.19
54	135	SLRNC	2103	60	1.15
55	62	TERRY	1102	182	1.15
56	69	DEWEY	2106	89	1.13
57	97	CYOTE	2105	370	1.11
58	35	BROWN	1101	22	1.09
59	17	STLWC	2103	266	1.09
60	111	TRGLE	1102	86	1.07
61	101	BFFLO	2101	376	1.06
62	80	GRADY	2106	140	1.06
63	92	BLUEA	2102	171	1.05
64	#N/A	GRNCH	2101	265	1.05
65	#N/A	PRGHN	2103	78	1.01
66	26	STFRD	2104	22	1.00
67	65	ELBOW	2101	310	0.99
68	40	DRIVR	2101	48	0.94
69	132	RKYRD	2103	125	0.93
70	107	EDENS	1101	497	0.90
71	1	LUTHR	2101	74	0.86
72	72	PEGRV	2102	1149	0.86
73	120	ELAND	2101	240	0.85
74	73	RINGO	2102	152	0.78
75	58	ELBOW	2105	317	0.77
76	71	STFRD	2102	118	0.76
77	87	GRADY	2104	168	0.75
78	52	STILS	2103	182	0.73

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIFI Ranking	2019 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIFI Value
79	93	STILS	2104	403	0.68
80	109	HDCNR	2103	187	0.64
81	46	CYOTE	2103	389	0.63
82	61	SLRNC	2104	185	0.59
83	94	RCHSP	1101	597	0.58
84	86	VMOOR	2102	286	0.57
85	13	ESTIL	2104	251	0.51
86	44	CNLRD	2103	377	0.50
87	104	MELVN	1101	118	0.46
88	30	TERRY	1101	286	0.40
89	67	BROWN	1104	221	0.39
90	3	NADAM	2104	199	0.39
91	21	TELPH	2103	718	0.39
92	49	ESTIL	2102	218	0.36
93	103	RCHSP	1102	391	0.36
94	113	STILS	2101	185	0.34
95	128	BFFLO	2103	274	0.33
96	89	VMOOR	2101	46	0.33
97	#N/A	GRNCH	2107	264	0.32
98	55	ELBOW	2102	242	0.31
99	118	GRADY	2105	158	0.31
100	7	BROWN	1102	223	0.28
101	119	ELAND	2104	90	0.27
102	4	ESTIL	2101	308	0.27
103	110	BFFLO	2104	116	0.26
104	15	GRADY	2101	387	0.26
105	25	TELPH	2102	884	0.25
106	102	DUTTN	1101	771	0.24
107	19	SWNDL	2106	1023	0.23
108	95	TCITY	2104	2343	0.23
109	#N/A	PRGHN	2101	211	0.21
110	114	DUTTN	1103	304	0.20
111	63	CMPSS	2102	115	0.19
112	51	SWNDL	2105	585	0.17
113	81	YOSME	1104	560	0.17
114	98	DUTTN	1104	343	0.14
115	117	RINGO	2104	70	0.14
116	121	RINGO	2101	106	0.13
117	122	STLWC	2105	465	0.13
118	131	TCITY	2105	1576	0.13
119	45	CMPSS	2101	117	0.12

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIFI Ranking	2019 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIFI Value
120	108	PEGRV	2103	344	0.11
121	24	STFRD	2103	199	0.11
122	105	RCHSP	1103	542	0.10
123	39	CNLRD	2101	288	0.09
124	11	BULDG	1103	856	0.07
125	76	PEGRV	2101	1122	0.06
126	#N/A	ELAND	2103	21	0.05
127	#N/A	PRGHN	2102	86	0.05
128	125	SLRNC	2105	182	0.05
129	138	TCITY	2102	570	0.05
130	115	YOSME	1103	482	0.05
131	116	CRTRV	2105	83	0.04
132	36	CYOTE	2101	60	0.03
133	133	BFFLO	2102	59	0.02
134	112	HEXTS	1101	266	0.02
135	#N/A	PRGHN	2104	42	0.02
136	126	TELPH	2101	491	0.02
137	106	TELPH	2104	101	0.02
138	137	TCITY	2103	321	0.01
139	#N/A	HDCNR	2101	10	-

* 2019's customer count was used due to feeder reconfiguration:
GRADY2102

* 2019 Substation REBEL was renamed to DEWEY in 2020; 2019 REBEL rankings carry over to DEWEY:
REBEL2101 -> DEWEY2101
REBEL2103 -> DEWEY2103
REBEL2105 -> DEWEY2105
REBEL2106 -> DEWEY2106

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

With 10 or more Customers

Add or Delete Rows as Necessary

Total Number of Feeders

139

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIDI Ranking	2019 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIDI Value
1	2	CNLRD	2102	162	1,133.35
2	125	VMOOR	2104	146	1,082.83
3	15	RKYRD	2101	137	973.94
4	6	ESTIL	2103	70	874.05
5	107	DUTTN	1102	414	699.49
6	33	DRIVR	2108	167	560.84
7	38	CLSTE	2101	1328	522.12
8	60	BROWN	1105	185	511.69
9	54	APTRD	2104	25	487.06
10	72	SLTMN	2101	609	453.87
11	58	RKYRD	2102	420	425.35
12	28	CNLRD	2104	241	423.23
13	86	HEXTS	1102	175	416.67
14	130	GRADY	2102	163	415.37
15	77	SMLND	2102	2397	414.32
16	1	CYOTE	2102	93	394.59
17	8	BULDG	1101	203	391.87
18	35	DEWEY	2103	413	367.96
19	51	GRADY	2106	140	367.92
20	14	ELAND	2102	148	359.52
21	#N/A	PRGHN	2103	78	357.08
22	18	HDCNR	2105	114	335.81
23	59	SLTMN	2102	333	335.19
24	76	CLSTE	2102	1423	330.85
25	11	LUTHR	2104	150	323.00
26	45	YOSME	1101	510	315.06
27	43	RINGO	2103	87	309.61
28	48	BROWN	1103	146	298.79
29	94	SMLND	2105	827	298.04
30	23	SLTMN	2104	651	290.23
31	55	APTRD	2103	717	277.00
32	4	LUTHR	2101	74	269.05
33	101	SLTMN	2103	485	268.65
34	9	STILS	2105	201	267.96
35	127	CRTRV	2106	60	254.09
36	85	SWNDL	2104	1242	253.29
37	128	CYOTE	2104	240	233.01

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIDI Ranking	2019 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIDI Value
38	44	STFRD	2102	118	229.88
39	52	BLUEA	2102	171	224.85
40	29	HDCNR	2104	385	218.31
41	81	TRGLE	1103	236	216.69
42	74	PEGRV	2106	899	209.45
43	73	DEWEY	2105	230	208.45
44	91	ELBOW	2105	317	187.92
45	108	EDENS	1101	497	185.26
46	70	APTRD	2102	188	164.88
47	106	VMOOR	2103	43	164.81
48	133	RKYRD	2103	125	160.36
49	75	VMOOR	2102	286	160.25
50	134	SLRNC	2103	60	156.54
51	50	STLWC	2101	447	153.93
52	67	TRGLE	1101	583	151.38
53	79	STILS	2104	403	143.67
54	80	DEWEY	2106	89	141.34
55	105	STILS	2103	182	140.69
56	42	RINGO	2102	152	139.13
57	89	HDCNR	2103	187	138.69
58	135	DEWEY	2101	36	135.78
59	83	PEGRV	2102	1149	130.25
60	98	CYOTE	2105	370	125.96
61	#N/A	GRNCH	2102	285	124.46
62	100	ELBOW	2101	310	122.41
63	136	TRGLE	1104	77	121.55
64	121	ELAND	2101	240	121.04
65	111	BFFLO	2101	376	119.45
66	63	PEGRV	2104	907	117.51
67	90	BROWN	1101	22	116.40
68	10	ESTIL	2101	308	113.41
69	31	SMLND	2103	1647	111.08
70	3	ESTIL	2104	251	110.02
71	7	SMLND	2104	1015	106.74
72	#N/A	GRNCH	2101	265	106.34
73	49	GRADY	2104	168	96.43
74	88	BLUEA	2106	194	91.40
75	56	CNLRD	2105	87	89.54
76	36	TELPH	2103	718	86.46
77	68	BROWN	1104	221	86.28
78	93	RCHSP	1101	597	84.19

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIDI Ranking	2019 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIDI Value
79	12	DRIVR	2101	48	83.51
80	25	TRGLE	1106	225	81.92
81	#N/A	GRNCH	2107	264	81.25
82	20	CNLRD	2103	377	78.73
83	#N/A	GRADY	2103	12	75.31
84	66	CYOTE	2103	389	73.17
85	82	ELBOW	2102	242	54.90
86	102	STILS	2101	185	52.83
87	13	TERRY	1101	286	52.55
88	99	MELVN	1101	118	50.48
89	124	BFFLO	2103	274	48.58
90	120	TRGLE	1102	86	43.93
91	57	ESTIL	2102	218	39.41
92	96	DUTTN	1103	304	36.38
93	113	GRADY	2105	158	35.21
94	34	STFRD	2104	22	35.12
95	53	GRADY	2101	387	34.65
96	126	ELAND	2104	90	32.97
97	16	STLWC	2103	266	32.25
98	27	TELPH	2102	884	32.24
99	41	TERRY	1102	182	30.04
100	119	BFFLO	2104	116	29.59
101	103	RINGO	2104	70	27.71
102	95	VMOOR	2101	46	26.93
103	5	NADAM	2104	199	26.42
104	24	BROWN	1102	223	26.02
105	61	RCHSP	1102	391	25.93
106	115	TCITY	2104	2343	25.86
107	47	NADAM	2103	199	25.43
108	71	SWNDL	2105	585	25.02
109	118	STLWC	2105	465	23.55
110	46	SWNDL	2106	1023	21.28
111	64	CMPSS	2101	117	20.02
112	37	BULDG	1103	856	18.99
113	123	DUTTN	1104	343	17.94
114	84	CMPSS	2102	115	17.66
115	92	SLRNC	2104	185	17.07
116	117	RINGO	2101	106	16.35
117	#N/A	PRGHN	2101	211	16.19
118	104	PEGRV	2103	344	14.89
119	112	RCHSP	1103	542	14.87

Note: Due to rounding, the sum of monthly values may not match yearly totals.

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

2020 SAIDI Ranking	2019 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2020 SAIDI Value
120	39	STFRD	2103	199	14.25
121	97	DUTTN	1101	771	12.77
122	22	CNLRD	2101	288	12.59
123	62	YOSME	1104	560	11.77
124	131	SLRNC	2105	182	10.06
125	87	PEGRV	2101	1122	9.26
126	78	YOSME	1103	482	8.71
127	116	TELPH	2101	491	7.99
128	#N/A	PRGHN	2102	86	6.81
129	19	CYOTE	2101	60	5.24
130	109	CRTRV	2105	83	5.19
131	138	TCITY	2102	570	4.92
132	#N/A	ELAND	2103	21	3.13
133	122	TCITY	2105	1576	3.07
134	114	HEXTS	1101	266	1.99
135	#N/A	PRGHN	2104	42	0.94
136	132	BFFLO	2102	59	0.57
137	137	TCITY	2103	321	0.56
138	65	TELPH	2104	101	0.14
139	#N/A	HDCNR	2101	10	-

* 2019's customer count was used due to feeder reconfiguration:
GRADY2102

* 2019 Substation REBEL was renamed to DEWEY in 2020; 2019 REBEL rankings carry over to DEWEY:
REBEL2101 -> DEWEY2101
REBEL2103 -> DEWEY2103
REBEL2105 -> DEWEY2105
REBEL2106 -> DEWEY2106

Service Quality Report to the Public Utility Commission of Texas

Oncor Electric Delivery: North Texas Utility (NTU)/Legacy Sharyland

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2020 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	32%
Utility-Owned Equipment	30%
Animals and Birds	17%
Other	8%
Unknown	7%
People (Including Cars and Farm Equipment)	4%
Vegetation	3%