



Filing Receipt

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Thomas J. Yamin, P.E.
Director
Regulatory Transmission and Planning

February 14, 2023

Filing Clerk
Public Utility Commission of Texas
1701 N Congress
P.O. Box 13326
Austin, TX 78711-3326

RE: PUCT Project No. 54467 – 2022 Electric System Service Quality Report pursuant to Substantive Rules §25.52, §25.81, §25.343

Attached is a copy of North Texas Utility (NTU)/Legacy Sharyland's Service Quality Report pursuant to Substantive Rule §25.81, dated February 14, 2023.

Please note that NTU's forced SAIDI and SAIFI values are calculated by excluding only the major events that impact the entire Oncor Electric Delivery Company (Oncor) system (which includes NTU). These exclusions are not fully indicative of major events that solely affect the NTU system.

Localized storms can cause large impacts that would warrant a major event exclusion for NTU if, as prior to NTU becoming a part of the Oncor system, the storms' impact were determined based solely on their impact on the NTU area. However, since NTU premises comprise less than two percent of the Oncor system total, those localized storms do not warrant a major event exclusion for the Oncor system. As a result, NTU's forced SAIDI and SAIFI values are significantly elevated in comparison to previous years when NTU was not a part of Oncor, due to major event activities that would otherwise be excluded were NTU exclusion events assessed separately from the Oncor system. To provide figures that more closely approximate an "apples-to-apples" comparison, Oncor has thus also calculated estimated SAIDI and SAIFI for NTU as if it were still a stand-alone company, which produces figures more in line with NTU's numbers prior to being included as part of Oncor.

YEAR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Forced SAIDI	132.47	107.56	97.47	148.63	171.85	132.95	101.76	140.46	183.68	170.57	236.05	227.92
Forced SAIDI Adjusted*								112.91	128.55	127.39	122.69	140.03
Forced SAIFI	1.40	0.92	0.82	1.54	1.84	1.56	1.21	1.05	1.43	1.32	1.99	1.77
Forced SAIFI Adjusted*								0.84	1.02	1.10	1.19	1.24

*Adjusted values show SAIDI and SAIFI with probable major event exclusions based solely on their impact on the NTU area.

If you have any questions or require further information, please contact me at (682) 270-6305.

Sincerely,

Thomas J. Yamin, P.E.
Director

Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2022 Reporting Year

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

Project 54467

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													
2022	1.77	0.25	0.14	0.18	0.12	0.15	0.11	0.24	0.10	0.14	0.18	0.09	0.07
Scheduled													
2022	0.12	0.01	0.02	0.01	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00
Outside Causes													
2022	0.14	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.10
Major Events													
2022	1.73	0.02	0.49	0.01	0.17	0.32	0.21	0.03	0.16	0.07	0.06	0.01	0.18

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														
2022		227.92	27.18	15.25	23.70	18.58	26.25	16.23	29.78	10.70	19.41	25.59	10.07	5.19
Scheduled														
2022		11.35	0.42	1.84	0.33	0.08	0.07	1.90	1.24	0.90	3.65	0.21	0.07	0.64
Outside Causes														
2022		7.66	0.00	0.00	0.01	0.00	0.59	0.00	0.72	1.35	0.00	0.00	0.00	4.99
Major Events														
2022		552.44	5.43	282.33	0.80	15.83	105.17	37.72	10.20	25.45	10.83	10.29	1.58	46.81

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

Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With 10 or more Customers

135

Add or Delete Rows as Necessary

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

2022 SAIFI Ranking	2021 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2022 SAIFI Value
1	43	STILS	2101	157	6.80
2	4	RKYRD	2101	124	6.67
3	82	RKYRD	2102	346	5.82
4	1	CNLRD	2105	34	5.76
5	52	RINGO	2101	104	5.43
6	3	CLSTE	2102	1,626	5.15
7	77	PEGRV	2106	929	4.61
8	N/A	HDCNR	2101	39	4.59
9	72	PRGHN	2103	75	4.31
10	85	VMOOR	2104	141	4.29
11	51	BROWN	1101	65	4.26
12	69	DEWEY	2105	216	4.25
13	24	BROWN	1103	183	4.09
14	8	SLTMN	2104	652	3.84
15	115	TELPH	2102	911	3.81
16	96	TRGLE	1103	227	3.77
17	121	DUTTN	1103	316	3.67
18	108	CYOTE	2105	369	3.56
19	6	LUTHR	2104	162	3.55
20	16	SMLND	2103	1,919	3.44
21	7	VMOOR	2102	274	3.39
22	18	CNLRD	2104	150	3.30
23	102	ELBOW	2101	868	3.07
24	13	CLSTE	2101	1,416	3.00
25	65	HDCNR	2105	86	2.92
26	93	GRADY	2101	121	2.85
27	11	SMLND	2102	1,614	2.76
28	46	STLWC	2105	365	2.74
29	87	SLTMN	2102	335	2.73
30	62	PEGRV	2102	1,258	2.72
31	110	BFFLO	2103	258	2.52
32	98	EDENS	1102	570	2.51
33	61	BROWN	1102	97	2.48
34	101	STILS	2104	386	2.46
35	44	STILS	2105	185	2.40
36	86	DUTTN	1102	473	2.13
37	55	EDENS	1103	182	2.09
38	64	RKYRD	2103	113	2.05
39	30	APTRD	2103	747	2.03
40	9	DEWEY	2103	390	1.99
41	109	BROWN	1104	212	1.96
42	17	CYOTE	2102	94	1.91
43	113	NADAM	2103	190	1.89

Service Quality Report to the Public Utility Commission of Texas

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

2022 SAIFI Ranking	2021 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2022 SAIFI Value
44	2	RINGO	2102	149	1.83
45	31	PRGHN	2101	317	1.82
46	104	VMOOR	2101	57	1.74
47	66	TCITY	2104	2,417	1.71
48	42	TELPH	2101	611	1.68
49	90	PEGRV	2101	1,156	1.66
50	63	GRADY	2105	120	1.46
51	112	BLUEA	2106	161	1.43
52	124	GRNCH	2107	164	1.42
53	106	SLTMN	2101	617	1.35
54	99	SLRNC	2103	57	1.25
55	73	EDENS	1101	501	1.23
56	39	RINGO	2103	80	1.21
57	23	SMLND	2105	588	1.19
58	59	ELAND	2101	230	1.18
59	38	TRGLE	1101	351	1.18
60	40	ESTIL	2101	299	1.15
61	95	SLRNC	2104	165	1.15
62	78	DRIVR	2101	50	1.14
63	71	ELBOW	2105	963	1.11
64	105	ELBOW	2102	463	1.10
65	53	GRNCH	2101	294	1.04
66	126	RCHSP	1102	393	1.02
67	76	ELAND	2102	179	0.99
68	60	SWNDL	2106	1,066	0.92
69	75	APTRD	2102	407	0.91
70	27	DEWEY	2106	99	0.90
71	118	HDCNR	2104	328	0.90
72	84	BFFLO	2104	182	0.85
73	97	TERRY	1101	294	0.84
74	103	LUTHR	2101	45	0.82
75	128	MELVN	1101	133	0.82
76	125	HDCNR	2103	164	0.80
77	100	TRGLE	1102	99	0.75
78	57	TCITY	2102	430	0.74
79	56	STLWC	2103	256	0.71
80	70	ESTIL	2102	203	0.57
81	32	ESTIL	2104	240	0.57
82	83	SLTMN	2103	465	0.56
83	29	TELPH	2103	736	0.56
84	67	DRIVR	2108	162	0.54
85	135	TELPH	2104	108	0.54
86	91	GRNCH	2102	314	0.51
87	127	YOSME	1103	549	0.50
88	129	STFRD	2104	17	0.47
89	117	BFFLO	2101	395	0.46
90	48	RCHSP	1101	607	0.44
91	111	PEGRV	2103	337	0.41

Service Quality Report to the Public Utility Commission of Texas

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

2022 SAIFI Ranking	2021 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2022 SAIFI Value
92	12	NADAM	2104	50	0.40
93	10	BULDG	1101	124	0.39
94	94	HEXTS	1102	186	0.37
95	58	BROWN	1105	143	0.36
96	131	DUTTN	1101	743	0.35
97	54	STFRD	2103	184	0.33
98	41	SWNDL	2104	1,287	0.33
99	26	CRTRV	2106	54	0.31
100	119	RINGO	2104	71	0.27
101	35	ELAND	2104	88	0.25
102	25	STFRD	2102	96	0.24
103	37	STILS	2103	181	0.24
104	123	PRGHN	2102	81	0.20
105	89	SLRNC	2105	167	0.20
106	120	DUTTN	1104	423	0.19
107	47	TCITY	2103	1,394	0.18
108	36	PEGRV	2104	936	0.17
109	20	SWNDL	2105	413	0.16
110	88	DEWEY	2101	52	0.15
111	130	APTRD	2101	156	0.14
112	107	APTRD	2104	21	0.14
113	79	CMPSS	2101	115	0.13
114	74	GRADY	2104	163	0.13
115	138	YOSME	1102	203	0.12
116	136	CRTRV	2105	72	0.10
117	34	CYOTE	2104	181	0.10
118	5	YOSME	1101	503	0.10
119	116	BLUEA	2102	170	0.08
120	28	CMPSS	2102	106	0.08
121	49	HEXTS	1101	278	0.08
122	22	RCHSP	1103	557	0.08
123	114	TERRY	1102	187	0.08
124	132	CYOTE	2101	58	0.07
125	14	STLWC	2101	503	0.07
126	137	YOSME	1104	575	0.06
127	19	CNLRD	2102	132	0.04
128	81	ELAND	2103	24	0.04
129	50	ESTIL	2103	47	0.04
130	80	PRGHN	2104	38	0.03
131	68	BFFLO	2102	59	0.02
132	21	VMOOR	2103	42	0.02
133	122	GRADY	2102	16	0.00
134	92	GRADY	2103	13	0.00
135	133	TCITY	2105	1,673	0.00

Service Quality Report to the Public Utility Commission of Texas

Distribution Feeder Indices for Forced Interruptions

List all Distribution Feeders on Texas System

Total Number of Feeders

With 10 or more Customers

135

Add or Delete Rows as Necessary

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

2022 SAIDI Ranking	2021 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2022 SAIDI Value
1	109	CYOTE	2105	369	1,878.47
2	58	RKYRD	2102	346	1,491.53
3	9	RINGO	2101	104	1,398.30
4	19	STILS	2101	157	1,246.87
5	37	STILS	2105	185	1,202.64
6	3	RKYRD	2101	124	1,200.99
7	30	DRIVR	2101	50	1,002.23
8	60	RKYRD	2103	113	960.25
9	49	HDCNR	2105	86	909.43
10	11	BROWN	1101	65	879.91
11	26	RINGO	2103	80	862.24
12	N/A	HDCNR	2101	39	810.31
13	23	GRADY	2105	120	716.96
14	74	VMOOR	2104	141	660.94
15	51	STLWC	2105	365	655.00
16	31	SMLND	2103	1,919	635.92
17	120	DUTTN	1103	316	545.55
18	6	CLSTE	2102	1,626	500.05
19	1	CNLRD	2105	34	494.24
20	44	BROWN	1103	183	481.92
21	14	SLTMN	2104	652	442.82
22	27	CNLRD	2104	150	438.24
23	100	ELBOW	2101	868	438.06
24	93	STILS	2104	386	430.59
25	67	SLTMN	2102	335	423.36
26	90	GRNCH	2107	164	421.67
27	118	TELPH	2102	911	410.49
28	77	PRGHN	2103	75	398.14
29	112	GRADY	2101	121	398.03
30	79	DUTTN	1102	473	368.28
31	97	EDENS	1102	570	362.53
32	108	BFFLO	2103	258	346.41
33	72	EDENS	1103	182	345.74
34	50	EDENS	1101	501	344.78
35	4	LUTHR	2104	162	318.05
36	110	TRGLE	1103	227	316.25
37	121	HDCNR	2103	164	312.45
38	13	CYOTE	2102	94	311.63
39	83	ESTIL	2101	299	302.79
40	89	PEGRV	2106	929	291.41
41	95	GRNCH	2101	294	281.89
42	102	RINGO	2104	71	248.75
43	39	DEWEY	2105	216	245.98

Service Quality Report to the Public Utility Commission of Texas

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

2022 SAIDI Ranking	2021 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2022 SAIDI Value
44	123	TRGLE	1102	99	240.69
45	24	DEWEY	2103	390	235.51
46	21	APTRD	2103	747	227.82
47	2	VMOOR	2102	274	220.54
48	68	APTRD	2102	407	212.63
49	18	CLSTE	2101	1,416	209.10
50	116	SLRNC	2103	57	202.00
51	15	SMLND	2102	1,614	191.52
52	75	PEGRV	2101	1,156	178.79
53	5	RINGO	2102	149	173.58
54	129	RCHSP	1102	393	170.36
55	98	VMOOR	2101	57	165.56
56	122	NADAM	2103	190	165.39
57	71	ELAND	2101	230	160.51
58	80	ELAND	2102	179	158.80
59	87	TERRY	1101	294	157.48
60	10	PRGHN	2101	317	147.39
61	57	BFFLO	2104	182	144.13
62	86	TCITY	2104	2,417	141.36
63	130	MELVN	1101	133	137.00
64	105	SLTMN	2101	617	134.59
65	124	TELPH	2104	108	110.01
66	81	STLWC	2103	256	104.82
67	65	BROWN	1102	97	103.37
68	36	TELPH	2101	611	102.33
69	114	LUTHR	2101	45	101.96
70	17	CRTRV	2106	54	101.40
71	131	YOSME	1103	549	100.82
72	64	CMPSS	2101	115	95.19
73	38	ESTIL	2104	240	94.76
74	34	TELPH	2103	736	86.06
75	78	SWNDL	2106	1,066	85.31
76	52	RCHSP	1101	607	83.32
77	91	TCITY	2102	430	81.06
78	76	PEGRV	2102	1,258	80.37
79	43	STFRD	2102	96	77.19
80	126	STFRD	2104	17	74.06
81	104	BROWN	1104	212	72.78
82	70	BLUEA	2106	161	72.26
83	82	SLTMN	2103	465	67.52
84	88	STFRD	2103	184	67.38
85	42	DEWEY	2106	99	66.66
86	22	PEGRV	2104	936	64.34
87	41	DRIVR	2108	162	63.30
88	33	ESTIL	2102	203	60.47
89	132	DUTTN	1101	743	57.83
90	96	PRGHN	2102	81	51.36
91	35	BULDG	1101	124	50.33

Service Quality Report to the Public Utility Commission of Texas

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

2022 SAIDI Ranking	2021 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2022 SAIDI Value
92	92	HEXTS	1102	186	49.94
93	107	HDCNR	2104	328	49.48
94	103	ELBOW	2105	963	44.44
95	127	DUTTN	1104	423	42.85
96	40	ELAND	2104	88	42.81
97	117	PEGRV	2103	337	41.63
98	53	BROWN	1105	143	39.63
99	32	NADAM	2104	50	39.14
100	84	APTRD	2104	21	37.26
101	111	BFFLO	2101	395	37.02
102	63	SWNDL	2104	1,287	36.50
103	66	SLRNC	2105	167	28.72
104	128	CRTRV	2105	72	27.63
105	20	RCHSP	1103	557	25.48
106	28	SMLND	2105	588	24.41
107	54	TRGLE	1101	351	23.27
108	73	SLRNC	2104	165	22.66
109	55	CYOTE	2104	181	19.79
110	101	ELBOW	2102	463	18.41
111	69	TCITY	2103	1,394	18.27
112	61	DEWEY	2101	52	17.28
113	12	STILS	2103	181	17.09
114	136	APTRD	2101	156	16.35
115	46	SWNDL	2105	413	16.26
116	134	CYOTE	2101	58	15.38
117	62	CMPSS	2102	106	13.58
118	7	YOSME	1101	503	12.64
119	119	TERRY	1102	187	11.93
120	99	GRADY	2104	163	11.47
121	8	HEXTS	1101	278	11.26
122	29	STLWC	2101	503	10.61
123	138	YOSME	1102	203	8.71
124	59	GRNCH	2102	314	8.24
125	56	ESTIL	2103	47	7.02
126	137	YOSME	1104	575	6.76
127	106	BLUEA	2102	170	4.64
128	45	CNLRD	2102	132	4.32
129	85	ELAND	2103	24	3.85
130	16	VMOOR	2103	42	3.26
131	113	BFFLO	2102	59	2.12
132	133	TCITY	2105	1,673	1.31
133	94	PRGHN	2104	38	1.12
134	125	GRADY	2102	16	0.00
135	115	GRADY	2103	13	0.00

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.

2022 Reporting Year

Causes of Forced Interruptions	Percentage
Utility-Owned Equipment	32%
Weather (Including Lightning)	31%
Animals and Birds	10%
Unknown	9%
Other	8%
People (Including Cars and Farm Equipment)	5%
Vegetation	4%

The following files are not convertible:

NTU.XLSX	2022 PUCT Service Quality Report
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Please see the ZIP file for this Filing on the PUC Interchange in order to access these files.

Contact centralrecords@puc.texas.gov if you have any questions.