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

February 14, 2022

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

RE: PUCT Project No. 52946 – 2021 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, 2022.

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
Forced SAIDI	132.47	107.56	97.47	148.63	171.85	132.95	101.76	140.46	183.68	170.57	236.05
Forced SAIDI Adjusted*								112.91	128.55	127.39	122.69
Forced SAIFI	1.40	0.92	0.82	1.54	1.84	1.56	1.21	1.05	1.43	1.32	1.99
Forced SAIFI Adjusted*								0.84	1.02	1.10	1.19

*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 214-486-3512.

Sincerely,

Thomas J. Yamin, P.E.
 Director

The following files are not convertible:

2021 PUCT Service Quality Report

NTU.XLSX

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.

Service Quality Report
To The
Public Utility Commission of Texas
In Accordance With
Substantive Rule §25.81
2021 Reporting Year

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

Project 52946

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													
2021	1.99	0.06	0.15	0.21	0.27	0.18	0.31	0.21	0.14	0.10	0.10	0.16	0.09
Scheduled													
2021	0.25	0.01	0.05	0.01	0.03	0.01	0.05	0.01	0.01	0.02	0.03	0.01	-
Outside Causes													
2021	0.34	0.02	0.02	0.01	-	-	0.10	0.01	-	0.03	0.04	0.12	-
Major Events													
2021	2.36	0.02	1.09	0.03	0.10	0.28	0.15	0.27	0.22	0.05	0.13	-	-

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													
2021	236.05	13.09	13.68	30.21	23.00	19.49	42.85	23.76	19.52	15.58	13.58	11.89	9.38
Scheduled													
2021	13.25	0.27	4.69	0.38	0.64	0.34	1.57	1.50	0.38	0.50	2.26	0.65	0.07
Outside Causes													
2021	38.63	1.09	2.66	0.11	-	-	1.55	1.16	0.01	1.18	23.10	7.77	-
Major Events													
2021	715.06	6.92	519.73	3.66	21.74	40.20	31.75	29.79	26.24	6.84	28.19	-	-

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

138

Add or Delete Rows as Necessary

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

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
1	42	CNLRD	2105	36	9.17
2	74	RINGO	2102	149	6.75
3	23	CLSTE	2102	1505	6.26
4	10	RKYRD	2101	129	5.80
5	34	YOSME	1101	510	5.76
6	13	LUTHR	2104	148	5.74
7	84	VMOOR	2102	286	5.59
8	12	SLTMN	2104	653	5.49
9	27	DEWEY	2103	383	5.26
10	28	BULDG	1101	131	5.17
11	14	SMLND	2102	1751	5.02
12	90	NADAM	2104	47	4.96
13	8	CLSTE	2101	1359	4.67
14	41	STLWC	2101	445	4.59
15	81	CYOTE	2103	272	4.47
16	31	SMLND	2103	1571	4.44
17	39	CYOTE	2102	86	4.29
18	25	CNLRD	2104	208	4.21
19	2	CNLRD	2102	145	3.90
20	112	SWNDL	2105	602	3.58
21	19	VMOOR	2103	44	3.57
22	122	RCHSP	1103	214	3.38
23	44	SMLND	2105	590	3.29
24	4	BROWN	1103	83	3.11
25	76	STFRD	2102	107	3.07
26	16	CRTRV	2106	58	3.01
27	56	DEWEY	2106	95	2.75
28	111	CMPSS	2102	108	2.71
29	91	TELPH	2103	739	2.69
30	48	APTRD	2103	730	2.66
31	109	PRGHN	2101	216	2.57
32	85	ESTIL	2104	247	2.57
33	86	CNLRD	2103	377	2.54
34	43	CYOTE	2104	188	2.41
35	101	ELAND	2104	91	2.34
36	46	PEGRV	2104	908	2.27
37	78	STILS	2103	181	2.16
38	20	TRGLE	1101	349	2.07
39	35	RINGO	2103	83	1.96
40	102	ESTIL	2101	306	1.95
41	17	SWNDL	2104	1261	1.91
42	136	TELPH	2101	582	1.85
43	94	STILS	2101	166	1.81
44	33	STILS	2105	194	1.81
45	47	TRGLE	1106	187	1.76
46	117	STLWC	2105	453	1.68

Service Quality Report to the Public Utility Commission of Texas

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

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
47	138	TCITY	2103	847	1.64
48	83	RCHSP	1101	607	1.64
49	134	HEXTS	1101	270	1.61
50	3	ESTIL	2103	49	1.53
51	58	BROWN	1101	72	1.51
52	116	RINGO	2101	103	1.51
53	64	GRNCH	2101	264	1.51
54	121	STFRD	2103	195	1.49
55	#N/A	EDENS	1103	176	1.48
56	59	STLWC	2103	258	1.48
57	129	TCITY	2102	573	1.46
58	1	BROWN	1105	148	1.46
59	73	ELAND	2101	232	1.44
60	107	SWNDL	2106	1049	1.43
61	100	BROWN	1102	220	1.36
62	72	PEGRV	2102	1171	1.36
63	99	GRADY	2105	115	1.35
64	69	RKYRD	2103	117	1.32
65	37	HDCNR	2105	107	1.32
66	108	TCITY	2104	2378	1.29
67	11	DRIVR	2108	162	1.28
68	133	BFFLO	2102	58	1.26
69	38	DEWEY	2105	224	1.23
70	92	ESTIL	2102	205	1.21
71	75	ELBOW	2105	969	1.21
72	65	PRGHN	2103	183	1.20
73	70	EDENS	1101	489	1.19
74	77	GRADY	2104	154	1.18
75	30	APTRD	2102	410	1.18
76	21	ELAND	2102	177	1.17
77	26	PEGRV	2106	920	1.14
78	68	DRIVR	2101	48	1.08
79	119	CMPSS	2101	116	1.08
80	135	PRGHN	2104	40	1.05
81	126	ELAND	2103	22	1.05
82	51	RKYRD	2102	360	1.02
83	45	SLTMN	2103	484	0.99
84	103	BFFLO	2104	120	0.97
85	40	VMOOR	2104	145	0.97
86	5	DUTTN	1102	423	0.91
87	15	SLTMN	2102	336	0.90
88	32	DEWEY	2101	54	0.87
89	128	SLRNC	2105	176	0.78
90	125	PEGRV	2101	1131	0.76
91	49	GRNCH	2102	278	0.74
92	50	GRADY	2103	13	0.62
93	104	GRADY	2101	258	0.61
94	9	HEXTS	1102	177	0.59
95	82	SLRNC	2104	174	0.56
96	7	TRGLE	1103	233	0.55

Service Quality Report to the Public Utility Commission of Texas

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

2021 SAIFI Ranking	2020 SAIFI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIFI Value
97	88	TERRY	1101	295	0.55
98	#N/A	EDENS	1102	550	0.50
99	54	SLRNC	2103	59	0.49
100	60	TRGLE	1102	86	0.49
101	79	STILS	2104	394	0.49
102	67	ELBOW	2101	873	0.47
103	71	LUTHR	2101	47	0.47
104	96	VMOOR	2101	49	0.45
105	98	ELBOW	2102	452	0.42
106	6	SLTMN	2101	616	0.42
107	18	APTRD	2104	21	0.38
108	57	CYOTE	2105	369	0.36
109	89	BROWN	1104	212	0.36
110	95	BFFLO	2103	263	0.36
111	120	PEGRV	2103	332	0.34
112	29	BLUEA	2106	181	0.32
113	53	NADAM	2103	196	0.30
114	55	TERRY	1102	184	0.30
115	105	TELPH	2102	901	0.29
116	63	BLUEA	2102	170	0.29
117	61	BFFLO	2101	412	0.28
118	22	HDCNR	2104	374	0.27
119	115	RINGO	2104	72	0.27
120	114	DUTTN	1104	416	0.26
121	110	DUTTN	1103	310	0.25
122	24	GRADY	2102	17	0.24
123	127	PRGHN	2102	78	0.21
124	97	GRNCH	2107	254	0.20
125	80	HDCNR	2103	185	0.19
126	93	RCHSP	1102	719	0.12
127	130	YOSME	1103	454	0.12
128	87	MELVN	1101	125	0.10
129	66	STFRD	2104	22	0.09
130	#N/A	APTRD	2101	155	0.07
131	106	DUTTN	1101	725	0.07
132	132	CYOTE	2101	57	0.07
133	118	TCITY	2105	1620	0.06
134	52	TRGLE	1104	76	0.05
135	137	TELPH	2104	101	0.05
136	131	CRTRV	2105	83	0.05
137	113	YOSME	1104	860	0.01
138	#N/A	YOSME	1102	10	-

* 2020's customer count was used due to feeder reconfiguration:

CNLRD2103

YOSME1101

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

138

Add or Delete Rows as Necessary

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

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
1	75	CNLRD	2105	36	2,201.56
2	49	VMOOR	2102	286	1,422.55
3	3	RKYRD	2101	129	1,022.07
4	25	LUTHR	2104	148	956.21
5	56	RINGO	2102	149	706.67
6	24	CLSTE	2102	1505	694.82
7	26	YOSME	1101	510	661.23
8	134	HEXTS	1101	270	660.95
9	116	RINGO	2101	103	639.38
10	117	PRGHN	2101	216	616.02
11	67	BROWN	1101	72	607.12
12	55	STILS	2103	181	605.77
13	16	CYOTE	2102	86	584.83
14	30	SLTMN	2104	653	569.55
15	15	SMLND	2102	1751	546.19
16	47	VMOOR	2103	44	541.62
17	35	CRTRV	2106	58	540.13
18	7	CLSTE	2101	1359	535.73
19	86	STILS	2101	166	528.63
20	119	RCHSP	1103	214	527.82
21	31	APTRD	2103	730	484.68
22	66	PEGRV	2104	908	479.30
23	93	GRADY	2105	115	473.63
24	18	DEWEY	2103	383	410.07
25	84	CYOTE	2103	272	396.69
26	27	RINGO	2103	83	376.86
27	12	CNLRD	2104	208	355.46
28	29	SMLND	2105	590	349.35
29	51	STLWC	2101	445	344.00
30	79	DRIVR	2101	48	342.01
31	69	SMLND	2103	1571	340.18
32	103	NADAM	2104	47	336.69
33	91	ESTIL	2102	205	327.10
34	76	TELPH	2103	739	322.20
35	17	BULDG	1101	131	305.44
36	127	TELPH	2101	582	304.03
37	34	STILS	2105	194	303.83
38	70	ESTIL	2104	247	290.84
39	43	DEWEY	2105	224	288.28
40	96	ELAND	2104	91	280.87
41	6	DRIVR	2108	162	276.36
42	54	DEWEY	2106	95	275.22
43	38	STFRD	2102	107	261.44
44	28	BROWN	1103	83	261.13
45	1	CNLRD	2102	145	236.99
46	108	SWNDL	2105	602	236.69

Service Quality Report to the Public Utility Commission of Texas

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

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
47	82	CNLRD	2103	377	229.11
48	80	TRGLE	1106	187	227.52
49	22	HDCNR	2105	107	225.46
50	45	EDENS	1101	489	223.73
51	109	STLWC	2105	453	219.93
52	78	RCHSP	1101	607	215.57
53	8	BROWN	1105	148	211.93
54	52	TRGLE	1101	349	210.88
55	37	CYOTE	2104	188	205.15
56	4	ESTIL	2103	49	204.98
57	100	BFFLO	2104	120	200.37
58	11	RKYRD	2102	360	193.82
59	61	GRNCH	2102	278	190.55
60	48	RKYRD	2103	117	189.78
61	58	DEWEY	2101	54	188.45
62	114	CMPSS	2102	108	181.31
63	36	SWNDL	2104	1261	180.82
64	111	CMPSS	2101	116	180.52
65	104	BROWN	1102	220	159.56
66	124	SLRNC	2105	176	159.25
67	23	SLTMN	2102	336	152.49
68	46	APTRD	2102	410	152.42
69	137	TCITY	2103	847	143.42
70	74	BLUEA	2106	181	136.50
71	64	ELAND	2101	232	133.16
72	#N/A	EDENS	1103	176	131.63
73	115	SLRNC	2104	174	128.72
74	2	VMOOR	2104	145	128.30
75	125	PEGRV	2101	1131	127.06
76	59	PEGRV	2102	1171	120.13
77	21	PRGHN	2103	183	119.68
78	110	SWNDL	2106	1049	116.73
79	5	DUTTN	1102	423	112.32
80	20	ELAND	2102	177	103.53
81	97	STLWC	2103	258	102.92
82	33	SLTMN	2103	484	102.46
83	68	ESTIL	2101	306	95.92
84	9	APTRD	2104	21	95.16
85	132	ELAND	2103	22	94.32
86	106	TCITY	2104	2378	87.63
87	87	TERRY	1101	295	82.96
88	120	STFRD	2103	195	78.84
89	42	PEGRV	2106	920	69.68
90	81	GRNCH	2107	254	68.91
91	131	TCITY	2102	573	64.54
92	13	HEXTS	1102	177	62.42
93	53	STILS	2104	394	61.93
94	135	PRGHN	2104	40	61.65
95	72	GRNCH	2101	264	60.73
96	128	PRGHN	2102	78	59.87

Service Quality Report to the Public Utility Commission of Texas

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

2021 SAIDI Ranking	2020 SAIDI Ranking	Substation Identification	Feeder Identification	Number of Customers	2021 SAIDI Value
97	#N/A	EDENS	1102	550	59.29
98	102	VMOOR	2101	49	57.46
99	73	GRADY	2104	154	55.04
100	62	ELBOW	2101	873	54.34
101	85	ELBOW	2102	452	53.40
102	101	RINGO	2104	72	51.72
103	44	ELBOW	2105	969	51.34
104	77	BROWN	1104	212	49.53
105	10	SLTMN	2101	616	48.91
106	39	BLUEA	2102	170	47.69
107	40	HDCNR	2104	374	47.30
108	89	BFFLO	2103	263	45.21
109	60	CYOTE	2105	369	44.80
110	41	TRGLE	1103	233	43.00
111	65	BFFLO	2101	412	42.86
112	95	GRADY	2101	258	41.04
113	136	BFFLO	2102	58	39.58
114	32	LUTHR	2101	47	39.23
115	83	GRADY	2103	13	36.92
116	50	SLRNC	2103	59	36.14
117	118	PEGRV	2103	332	32.49
118	98	TELPH	2102	901	31.62
119	99	TERRY	1102	184	30.20
120	92	DUTTN	1103	310	29.49
121	57	HDCNR	2103	185	28.49
122	107	NADAM	2103	196	26.03
123	90	TRGLE	1102	86	26.00
124	138	TELPH	2104	101	21.65
125	14	GRADY	2102	17	18.64
126	94	STFRD	2104	22	17.86
127	113	DUTTN	1104	416	16.83
128	130	CRTRV	2105	83	15.60
129	105	RCHSP	1102	719	12.85
130	88	MELVN	1101	125	12.83
131	126	YOSME	1103	454	11.32
132	121	DUTTN	1101	725	10.93
133	133	TCITY	2105	1620	10.63
134	129	CYOTE	2101	57	8.00
135	63	TRGLE	1104	76	5.14
136	#N/A	APTRD	2101	155	5.10
137	123	YOSME	1104	860	0.69
138	#N/A	YOSME	1102	10	-

* 2020's customer count was used due to feeder reconfiguration:

CNLRD2103

YOSME1101

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

INTERRUPTION CAUSES

Provide the percentage of interruptions attributable to each cause.

2021 Reporting Year

Causes of Forced Interruptions	Percentage
Weather (Including Lightning)	38%
Utility-Owned Equipment	31%
Animals and Birds	11%
Unknown	8%
People (Including Cars and Farm Equipment)	5%
Vegetation	4%
Other	3%