

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

SECONDARY SERVICE GREATER THAN 10 KW MONTHLY WEIGHTS

Line No.	(a) Weather Station	(b) Jan	(c) Feb	(d) Mar	(e) Apr	(f) May	(g) Jun	(h) Jul	(i) Aug	(j) Sep	(k) Oct	(l) Nov	(m) Dec	(n) Annual
1	Dallas-Fort Worth	74.6%	74.2%	74.1%	74.3%	73.9%	74.0%	74.2%	74.1%	74.0%	74.4%	74.0%	73.9%	74.1%
2	Midland-Odessa	6.6%	6.7%	6.9%	6.6%	6.9%	6.4%	6.4%	6.4%	6.3%	6.2%	6.7%	7.0%	6.6%
3	Lufkin	2.4%	2.5%	2.4%	2.5%	2.5%	2.6%	2.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.5%
4	Abilene	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.2%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%
5	Sherman-Denison	2.4%	2.5%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%
6	Killeen-Temple	2.6%	2.6%	2.6%	2.6%	2.6%	2.7%	2.7%	2.7%	2.8%	2.7%	2.7%	2.7%	2.7%
7	Waco	3.2%	3.3%	3.3%	3.3%	3.3%	3.4%	3.3%	3.4%	3.5%	3.4%	3.3%	3.2%	3.3%
8	Wichita Falls.	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.4%	1.5%
9	Longview	3.0%	3.1%	3.0%	3.1%	3.1%	3.2%	3.2%	3.1%	3.2%	3.1%	3.1%	3.1%	3.1%
10	Austin	2.5%	2.6%	2.6%	2.6%	2.7%	2.7%	2.6%	2.6%	2.7%	2.7%	2.7%	2.7%	2.7%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

SECONDARY SERVICE GREATER THAN 10 KW WEIGHTS BY YEAR

Line No.	(a) Weather Station	(b) Year	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	Dallas-Fort Worth	2018	75.5%	74.0%	74.6%	74.3%	74.0%	74.1%	74.4%	74.4%	74.1%	74.8%	74.3%	74.4%	74.4%
2	Dallas-Fort Worth	2019	74.2%	74.2%	74.2%	74.8%	74.1%	74.0%	74.3%	74.1%	74.0%	74.5%	74.1%	73.7%	74.2%
3	Dallas-Fort Worth	2020	73.9%	74.3%	73.6%	73.9%	73.6%	73.9%	73.9%	73.9%	73.8%	73.8%	73.6%	73.8%	73.8%
4	Dallas-Fort Worth	Total	74.6%	74.2%	74.1%	74.3%	73.9%	74.0%	74.2%	74.1%	74.0%	74.4%	74.0%	73.9%	74.1%
5															
6	Lufkin	2018	2.4%	2.5%	2.4%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.5%
7	Lufkin	2019	2.4%	2.4%	2.4%	2.5%	2.5%	2.7%	2.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.5%
8	Lufkin	2020	2.4%	2.5%	2.4%	2.6%	2.5%	2.6%	2.5%	2.5%	2.6%	2.6%	2.5%	2.4%	2.5%
9	Lufkin	Total	2.4%	2.5%	2.4%	2.5%	2.5%	2.6%	2.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.5%
10															
11	Austin	2018	2.5%	2.6%	2.6%	2.6%	2.6%	2.6%	2.5%	2.6%	2.6%	2.6%	2.7%	2.6%	2.6%
12	Austin	2019	2.5%	2.6%	2.5%	2.7%	2.7%	2.8%	2.6%	2.6%	2.7%	2.7%	2.7%	2.7%	2.7%
13	Austin	2020	2.6%	2.6%	2.7%	2.7%	2.7%	2.8%	2.8%	2.7%	2.8%	2.8%	2.9%	2.8%	2.7%
14	Austin	Total	2.5%	2.6%	2.6%	2.6%	2.7%	2.7%	2.6%	2.6%	2.7%	2.7%	2.7%	2.7%	2.7%
15															
16	Killeen	2018	2.6%	2.7%	2.6%	2.6%	2.7%	2.7%	2.6%	2.7%	2.7%	2.7%	2.6%	2.6%	2.7%
17	Killeen	2019	2.6%	2.6%	2.6%	2.6%	2.6%	2.7%	2.6%	2.6%	2.7%	2.7%	2.7%	2.7%	2.7%
18	Killeen	2020	2.6%	2.6%	2.7%	2.6%	2.6%	2.8%	2.7%	2.8%	2.9%	2.8%	2.8%	2.8%	2.7%
19	Killeen	Total	2.6%	2.6%	2.6%	2.6%	2.6%	2.7%	2.7%	2.7%	2.8%	2.7%	2.7%	2.7%	2.7%
20															
21	Longview	2018	3.0%	3.1%	3.1%	3.1%	3.1%	3.2%	3.2%	3.2%	3.2%	3.2%	3.1%	3.1%	3.1%
22	Longview	2019	3.0%	3.1%	3.0%	3.1%	3.1%	3.2%	3.1%	3.1%	3.2%	3.1%	3.1%	3.0%	3.1%
23	Longview	2020	3.0%	3.0%	3.0%	3.0%	3.1%	3.2%	3.2%	3.2%	3.2%	3.2%	3.1%	3.1%	3.1%
24	Longview	Total	3.0%	3.1%	3.0%	3.1%	3.1%	3.2%	3.2%	3.1%	3.2%	3.1%	3.1%	3.1%	3.1%
25															
26	Waco	2018	3.2%	3.4%	3.3%	3.3%	3.3%	3.4%	3.4%	3.4%	3.4%	3.5%	3.4%	3.3%	3.4%
27	Waco	2019	3.2%	3.2%	3.3%	3.3%	3.3%	3.4%	3.3%	3.3%	3.5%	3.3%	3.3%	3.2%	3.3%
28	Waco	2020	3.2%	3.2%	3.3%	3.2%	3.3%	3.4%	3.3%	3.4%	3.4%	3.4%	3.3%	3.2%	3.3%
29	Waco	Total	3.2%	3.3%	3.3%	3.3%	3.3%	3.4%	3.3%	3.4%	3.5%	3.4%	3.3%	3.2%	3.3%
30															
31	Abilene	2018	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.2%	1.2%	1.2%
32	Abilene	2019	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.1%	1.2%	1.2%	1.1%	1.1%	1.2%	1.1%
33	Abilene	2020	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%	1.2%	1.2%	1.1%	1.0%	1.1%	1.1%	1.1%
34	Abilene	Total	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.2%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%
35															
36	Wichita Falls	2018	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.6%	1.6%	1.5%	1.5%	1.5%	1.5%
37	Wichita Falls	2019	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.4%	1.5%
38	Wichita Falls	2020	1.4%	1.5%	1.5%	1.4%	1.4%	1.5%	1.5%	1.5%	1.5%	1.4%	1.4%	1.4%	1.4%
39	Wichita Falls	Total	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.4%	1.5%
40															
41	Midland Odessa	2018	5.7%	6.4%	6.4%	6.6%	6.9%	6.4%	6.3%	6.2%	6.2%	5.7%	6.4%	6.5%	6.3%
42	Midland Odessa	2019	6.9%	6.8%	6.9%	6.1%	6.7%	6.5%	6.5%	6.4%	6.4%	6.2%	6.7%	7.4%	6.6%
43	Midland Odessa	2020	7.3%	6.8%	7.3%	7.1%	7.0%	6.5%	6.5%	6.5%	6.2%	6.6%	6.9%	7.1%	6.8%
44	Midland Odessa	Total	6.6%	6.7%	6.9%	6.6%	6.9%	6.4%	6.4%	6.4%	6.3%	6.2%	6.7%	7.0%	6.6%
45															
46	Denison	2018	2.4%	2.5%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.5%	2.4%
47	Denison	2019	2.4%	2.4%	2.4%	2.4%	2.4%	2.3%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%
48	Denison	2020	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%
49	Denison	Total	2.4%	2.5%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%	2.4%
50															
51	System	2018	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
52	System	2019	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
53	System	2020	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
54	System	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

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FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

SECONDARY SERVICE GREATER THAN 10 KW SALES BY YEAR

Line No	(a) Weather Station	(b) Year	(c) Jan	(d) Feb	(e) Mar	(f) Apr	(g) May	(h) Jun	(i) Jul	(j) Aug	(k) Sep	(l) Oct	(m) Nov	(n) Dec	(o) Annual
1	Dallas-Fort Worth	2018	2,884,611	2,512,394	2,505,538	2,540,385	2,597,710	3,210,130	3,592,280	3,592,769	3,482,195	2,991,198	2,511,124	2,572,146	34,992,479
2	Dallas-Fort Worth	2019	2,585,592	2,693,623	2,570,854	2,479,520	2,640,178	2,962,184	3,221,606	3,467,745	3,686,692	3,329,873	2,626,178	2,565,568	34,829,613
3	Dallas-Fort Worth	2020	2,555,223	2,552,360	2,439,122	2,283,608	2,278,958	2,708,960	3,166,837	3,290,383	3,180,956	2,719,445	2,546,854	2,374,762	32,097,467
4	Dallas-Fort Worth	Total	8,025,425	7,758,377	7,515,513	7,303,512	7,516,846	8,881,274	9,980,723	10,350,898	10,349,843	9,040,517	7,684,155	7,512,476	101,919,560
5															
6	Lufkin	2018	91,247	84,564	81,530	85,465	87,886	110,040	118,940	119,304	119,514	101,196	84,275	84,574	1,168,536
7	Lufkin	2019	82,989	88,712	84,201	82,675	90,024	107,385	109,466	116,901	125,051	110,028	87,651	83,196	1,168,281
8	Lufkin	2020	83,612	84,758	81,045	77,779	79,203	94,640	108,053	111,579	111,121	94,411	86,762	77,919	1,090,882
9	Lufkin	Total	257,849	258,034	246,776	245,920	257,113	312,065	336,459	347,784	355,686	305,635	258,689	245,689	3,427,699
10															
11	Austin	2018	94,583	86,980	86,040	88,751	91,983	114,345	120,515	124,778	124,109	105,370	89,583	89,630	1,216,668
12	Austin	2019	88,638	93,300	88,173	88,615	95,488	111,014	114,726	124,003	133,681	121,242	94,776	92,590	1,246,246
13	Austin	2020	89,536	89,705	89,459	82,300	84,990	102,403	118,252	119,943	121,701	104,139	99,372	90,521	1,192,321
14	Austin	Total	272,757	269,985	263,672	259,666	272,461	327,763	353,493	368,725	379,490	330,750	283,731	272,742	3,655,234
15															
16	Killeen	2018	100,311	91,060	85,871	89,772	93,583	116,967	127,547	130,669	128,294	107,085	87,891	88,859	1,247,910
17	Killeen	2019	89,965	92,991	90,408	85,748	93,852	107,633	114,871	122,613	134,637	122,820	96,348	93,000	1,244,886
18	Killeen	2020	90,181	90,809	89,635	81,422	81,594	101,685	119,186	122,460	124,143	101,734	95,342	88,962	1,187,253
19	Killeen	Total	280,457	274,860	265,914	256,942	269,030	326,286	361,604	375,742	387,074	331,639	279,581	270,820	3,680,049
20															
21	Longview	2018	115,634	106,338	102,527	104,981	108,731	136,618	152,170	152,364	149,159	126,689	104,985	106,587	1,466,782
22	Longview	2019	105,290	111,866	105,268	101,355	111,027	126,176	135,454	144,596	156,958	139,519	108,256	105,219	1,450,983
23	Longview	2020	105,054	103,756	100,851	93,523	97,112	115,736	136,565	141,096	137,785	116,300	106,428	98,321	1,352,527
24	Longview	Total	325,978	321,960	308,646	299,859	316,871	378,530	424,189	438,056	443,902	382,507	319,669	310,127	4,270,292
25															
26	Waco	2018	121,418	114,325	111,276	112,509	115,427	146,461	162,981	164,628	163,534	139,193	113,913	113,749	1,579,413
27	Waco	2019	113,303	117,281	113,365	108,641	118,549	135,934	143,308	156,026	172,147	149,432	118,375	112,240	1,558,602
28	Waco	2020	109,893	108,893	108,334	100,067	101,989	123,725	143,147	151,501	148,545	124,593	115,339	102,747	1,438,772
29	Waco	Total	344,614	340,499	332,974	321,217	335,964	406,120	449,436	472,154	484,226	413,218	347,627	328,736	4,576,786
30															
31	Ablene	2018	47,665	42,430	38,866	40,043	40,509	50,682	58,399	56,679	55,061	44,324	40,298	40,532	555,487
32	Ablene	2019	42,476	43,251	39,704	37,924	38,760	42,991	48,828	57,077	59,094	48,803	39,904	40,508	539,321
33	Ablene	2020	40,128	40,424	37,621	33,478	35,746	43,094	50,266	52,789	49,513	38,483	38,157	35,871	495,569
34	Ablene	Total	130,269	126,105	116,190	111,445	115,015	136,767	157,493	166,546	163,669	131,610	118,358	116,910	1,590,376
35															
36	Wichita Falls	2018	56,484	52,487	50,466	50,312	51,462	65,551	74,712	75,394	73,133	60,854	50,141	51,683	712,678
37	Wichita Falls	2019	51,603	53,900	51,253	48,478	51,881	59,246	66,444	72,402	77,145	67,614	52,381	50,386	702,734
38	Wichita Falls	2020	49,898	50,572	48,288	44,539	44,669	53,330	63,464	66,348	64,172	52,197	48,782	43,903	630,163
39	Wichita Falls	Total	157,985	156,959	150,007	143,329	148,011	178,127	204,620	214,145	214,451	180,665	151,304	145,972	2,045,575
40															
41	Midland Odessa	2018	217,068	218,162	216,408	227,157	241,899	276,170	303,652	297,885	290,929	226,789	214,643	225,974	2,956,737
42	Midland Odessa	2019	241,838	248,086	239,651	203,543	238,879	258,439	279,995	309,068	316,241	275,942	238,114	257,926	3,107,721
43	Midland Odessa	2020	252,039	232,586	242,447	220,974	216,704	237,657	277,233	290,102	268,475	244,772	240,265	229,955	2,953,209
44	Midland Odessa	Total	710,946	698,834	698,506	651,675	697,482	772,266	860,881	897,054	875,645	747,502	693,022	713,855	9,017,667
45															
46	Denison	2018	91,045	86,202	81,270	81,801	83,272	103,035	114,642	117,272	114,965	96,544	81,053	84,759	1,135,861
47	Denison	2019	85,258	87,967	84,034	79,927	83,971	93,300	102,179	110,482	118,184	104,229	83,525	82,558	1,115,614
48	Denison	2020	82,187	82,729	79,380	74,130	73,491	86,385	101,796	108,766	104,114	88,598	82,542	76,856	1,040,974
49	Denison	Total	258,490	256,898	244,684	235,858	240,734	282,720	318,618	336,520	337,264	289,371	247,120	244,173	3,292,450
50															
51	System	2018	3,820,065	3,394,942	3,359,791	3,421,176	3,512,462	4,329,999	4,825,839	4,831,743	4,700,894	3,999,242	3,377,906	3,458,493	47,032,552
52	System	2019	3,486,953	3,630,979	3,466,909	3,316,427	3,562,608	4,004,302	4,336,878	4,680,914	4,979,831	4,469,502	3,545,508	3,483,191	46,964,002
53	System	2020	3,457,751	3,436,692	3,316,183	3,091,819	3,094,457	3,667,616	4,284,798	4,454,966	4,310,525	3,684,671	3,459,842	3,219,816	43,479,136
54	System	Total	10,764,770	10,462,613	10,142,883	9,829,423	10,169,527	12,001,917	13,447,515	13,967,622	13,991,250	12,153,414	10,383,256	10,161,500	137,475,689

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ONCOR ELECTRIC DELIVERY COMPANY LLC
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SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW DISTRIBUTION LINE MONTHLY WEIGHTS

Line No.	(a) Weather Station	(b) Jan	(c) Feb	(d) Mar	(e) Apr	(f) May	(g) Jun	(h) Jul	(i) Aug	(j) Sep	(k) Oct	(l) Nov	(m) Dec	(n) Annual
1	Dallas-Fort Worth	32.8%	32.3%	32.7%	31.7%	32.3%	34.5%	33.9%	34.1%	34.2%	32.8%	31.9%	30.5%	32.8%
2	Midland-Odessa	48.7%	50.2%	49.0%	50.5%	50.0%	46.8%	47.8%	47.5%	48.1%	49.4%	51.0%	53.1%	49.3%
3	Lufkin	2.7%	2.5%	2.7%	2.6%	2.6%	2.6%	2.6%	2.5%	2.5%	2.5%	2.5%	2.5%	2.6%
4	Abilene	6.1%	5.5%	6.0%	5.7%	5.3%	5.8%	5.4%	5.2%	4.8%	5.2%	5.1%	4.7%	5.4%
5	Sherman-Denison	1.9%	1.9%	1.9%	1.9%	2.0%	2.1%	2.1%	2.3%	2.2%	2.1%	1.9%	1.9%	2.0%
6	Killeen-Temple	1.3%	1.2%	1.3%	1.3%	1.3%	1.4%	1.4%	1.5%	1.4%	1.4%	1.3%	1.2%	1.3%
7	Waco	2.9%	2.9%	2.9%	3.1%	3.1%	3.3%	3.3%	3.4%	3.3%	3.3%	3.1%	2.9%	3.1%
8	Wichita Falls.	1.3%	1.1%	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.2%	1.1%	1.1%	1.1%	1.1%
9	Longview	1.6%	1.6%	1.6%	1.4%	1.6%	1.7%	1.7%	1.8%	1.8%	1.7%	1.6%	1.5%	1.7%
10	Austin	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.6%	0.6%	0.4%	0.5%	0.5%	0.5%	0.6%
11		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

SEASONAL WEIGHTS

Line No.	Weather Station	Nov to Mar HDD	May to Sep CDD
16	Dallas-Fort Worth	32.0%	33.8%
17	Midland-Odessa	50.4%	48.0%
18	Lufkin	2.6%	2.6%
19	Abilene	5.5%	5.3%
20	Sherman-Denison	1.9%	2.1%
21	Killeen-Temple	1.3%	1.4%
22	Waco	3.0%	3.3%
23	Wichita Falls.	1.2%	1.1%
24	Longview	1.6%	1.7%
25	Austin	0.6%	0.6%
26		100.0%	100.0%

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW DISTRIBUTION LINE MONTHLY WEIGHTS

Line No.	(a) Weather Station	(b) Jan	(c) Feb	(d) Mar	(e) Apr	(f) May	(g) Jun	(h) Jul	(i) Aug	(j) Sep	(k) Oct	(l) Nov	(m) Dec	(n) Annual
1	Dallas-Fort Worth	32.8%	32.3%	32.7%	31.7%	32.3%	34.5%	33.9%	34.1%	34.2%	32.8%	31.9%	30.5%	32.8%
2	Midland-Odessa	48.7%	50.2%	49.0%	50.5%	50.0%	46.8%	47.8%	47.5%	48.1%	49.4%	51.0%	53.1%	49.3%
3	Lufkin	2.7%	2.5%	2.7%	2.6%	2.6%	2.6%	2.6%	2.5%	2.5%	2.5%	2.5%	2.5%	2.6%
4	Abilene	6.1%	5.5%	6.0%	5.7%	5.3%	5.8%	5.4%	5.2%	4.8%	5.2%	5.1%	4.7%	5.4%
5	Sherman-Denison	1.9%	1.9%	1.9%	1.9%	2.0%	2.1%	2.1%	2.3%	2.2%	2.1%	1.9%	1.9%	2.0%
6	Killeen-Temple	1.3%	1.2%	1.3%	1.3%	1.3%	1.4%	1.4%	1.5%	1.4%	1.4%	1.3%	1.2%	1.3%
7	Waco	2.9%	2.9%	2.9%	3.1%	3.1%	3.3%	3.3%	3.4%	3.3%	3.3%	3.1%	2.9%	3.1%
8	Wichita Falls.	1.3%	1.1%	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.2%	1.1%	1.1%	1.1%	1.1%
9	Longview	1.6%	1.6%	1.6%	1.4%	1.6%	1.7%	1.7%	1.8%	1.8%	1.7%	1.6%	1.5%	1.7%
10	Austin	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.6%	0.6%	0.4%	0.5%	0.5%	0.5%	0.6%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW DISTRIBUTION LINE WEIGHTS BY YEAR

Line No.	(a) Weather Station	(b) Year	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
1	Dallas-Fort Worth	2018	39.9%	37.4%	36.3%	35.0%	35.9%	38.9%	35.6%	36.4%	35.6%	33.7%	32.8%	31.2%	35.6%
2	Dallas-Fort Worth	2019	31.5%	30.6%	31.3%	31.0%	32.0%	31.5%	32.6%	33.5%	33.1%	32.5%	31.9%	29.1%	31.7%
3	Dallas-Fort Worth	2020	28.7%	29.9%	31.2%	29.5%	29.6%	33.6%	33.6%	32.6%	34.0%	32.3%	31.1%	31.3%	31.5%
4	Dallas-Fort Worth	Total	32.8%	32.3%	32.7%	31.7%	32.3%	34.5%	33.9%	34.1%	34.2%	32.8%	31.9%	30.5%	32.8%
5															
6	Lufkin	2018	3.5%	2.6%	3.4%	2.9%	3.0%	2.8%	2.8%	2.7%	2.7%	2.5%	2.7%	2.5%	2.8%
7	Lufkin	2019	2.5%	2.5%	2.5%	2.5%	2.5%	2.4%	2.5%	2.5%	2.4%	2.4%	2.2%	2.5%	2.4%
8	Lufkin	2020	2.3%	2.4%	2.4%	2.5%	2.3%	2.6%	2.5%	2.4%	2.6%	2.6%	2.6%	2.5%	2.5%
9	Lufkin	Total	2.7%	2.5%	2.7%	2.6%	2.6%	2.6%	2.6%	2.5%	2.5%	2.5%	2.5%	2.5%	2.6%
10															
11	Austin	2018	1.0%	1.0%	0.9%	0.9%	0.9%	0.9%	0.8%	0.7%	0.8%	0.8%	0.8%	0.8%	0.9%
12	Austin	2019	0.9%	0.8%	0.8%	0.8%	0.8%	0.7%	0.7%	0.7%	0.1%	0.4%	0.4%	0.4%	0.6%
13	Austin	2020	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%	0.4%	0.4%	0.4%
14	Austin	Total	0.7%	0.7%	0.7%	0.7%	0.7%	0.7%	0.6%	0.6%	0.4%	0.5%	0.5%	0.6%	0.6%
15															
16	Killeen	2018	1.5%	1.4%	1.4%	1.4%	1.4%	1.5%	1.4%	1.6%	1.5%	1.5%	1.3%	1.2%	1.4%
17	Killeen	2019	1.2%	1.2%	1.3%	1.2%	1.3%	1.3%	1.4%	1.4%	1.4%	1.4%	1.2%	1.2%	1.3%
18	Killeen	2020	1.0%	1.1%	1.1%	1.3%	1.3%	1.4%	1.4%	1.4%	1.4%	1.4%	1.3%	1.3%	1.3%
19	Killeen	Total	1.3%	1.2%	1.3%	1.3%	1.3%	1.4%	1.4%	1.5%	1.4%	1.4%	1.3%	1.2%	1.3%
20															
21	Longview	2018	1.9%	1.8%	1.8%	1.8%	1.9%	1.9%	1.8%	2.0%	2.0%	1.9%	1.6%	1.6%	1.8%
22	Longview	2019	1.6%	1.7%	1.7%	1.1%	1.6%	1.6%	1.7%	1.6%	1.7%	1.6%	1.5%	1.6%	1.6%
23	Longview	2020	1.3%	1.4%	1.4%	1.5%	1.5%	1.7%	1.7%	1.7%	1.7%	1.6%	1.6%	1.5%	1.6%
24	Longview	Total	1.6%	1.6%	1.6%	1.4%	1.6%	1.7%	1.7%	1.8%	1.8%	1.7%	1.6%	1.5%	1.7%
25															
26	Waco	2018	3.4%	3.3%	3.3%	3.3%	3.5%	3.8%	3.5%	3.7%	3.6%	3.5%	3.3%	3.0%	3.4%
27	Waco	2019	2.9%	2.9%	3.0%	3.0%	3.1%	3.1%	3.2%	3.2%	3.1%	3.3%	3.0%	2.7%	3.0%
28	Waco	2020	2.5%	2.7%	2.6%	2.9%	2.8%	3.2%	3.2%	3.3%	3.2%	3.2%	3.1%	3.0%	3.0%
29	Waco	Total	2.9%	2.9%	2.9%	3.1%	3.1%	3.3%	3.3%	3.4%	3.3%	3.3%	3.1%	2.9%	3.1%
30															
31	Abilene	2018	8.6%	5.5%	7.1%	7.5%	5.5%	7.5%	5.7%	6.1%	5.9%	5.7%	5.0%	6.9%	6.4%
32	Abilene	2019	4.9%	6.7%	5.7%	5.8%	4.7%	6.2%	5.5%	5.4%	5.1%	5.0%	4.9%	4.2%	5.3%
33	Abilene	2020	5.3%	4.3%	5.5%	4.0%	5.7%	3.6%	5.0%	4.3%	3.4%	4.9%	5.5%	3.1%	4.5%
34	Abilene	Total	6.1%	5.5%	6.0%	5.7%	5.3%	5.8%	5.4%	5.2%	4.8%	5.2%	5.1%	4.7%	5.4%
35															
36	Wichita Falls	2018	1.5%	1.3%	1.3%	1.2%	1.2%	1.2%	1.2%	1.2%	1.2%	1.1%	1.1%	1.2%	1.2%
37	Wichita Falls	2019	1.3%	1.2%	1.2%	1.2%	1.1%	1.1%	1.2%	1.1%	1.2%	1.1%	1.0%	1.0%	1.2%
38	Wichita Falls	2020	1.1%	1.0%	1.0%	1.1%	1.0%	1.0%	1.0%	1.1%	1.1%	1.0%	1.1%	1.1%	1.1%
39	Wichita Falls	Total	1.3%	1.1%	1.2%	1.2%	1.1%	1.1%	1.1%	1.1%	1.2%	1.1%	1.1%	1.1%	1.1%
40															
41	Midland Odessa	2018	36.2%	43.5%	42.4%	43.9%	44.6%	39.2%	45.0%	43.1%	44.3%	47.0%	49.3%	49.5%	44.1%
42	Midland Odessa	2019	51.3%	50.6%	50.7%	51.7%	51.1%	50.3%	49.4%	48.5%	49.7%	50.3%	52.0%	55.6%	50.9%
43	Midland Odessa	2020	55.6%	55.0%	52.7%	55.2%	53.7%	50.4%	49.0%	50.6%	50.1%	50.6%	51.5%	54.0%	52.4%
44	Midland Odessa	Total	48.7%	50.2%	49.0%	50.5%	50.0%	46.8%	47.8%	47.5%	48.1%	49.4%	51.0%	53.1%	49.3%
45															
46	Denison	2018	2.3%	2.3%	2.1%	2.2%	2.2%	2.3%	2.3%	2.5%	2.4%	2.3%	2.1%	1.9%	2.2%
47	Denison	2019	1.9%	1.8%	1.9%	1.8%	1.9%	1.9%	2.0%	2.1%	2.2%	2.0%	1.9%	1.8%	1.9%
48	Denison	2020	1.7%	1.8%	1.7%	1.7%	1.9%	2.1%	2.0%	2.2%	2.1%	2.1%	1.9%	1.9%	1.9%
49	Denison	Total	1.9%	1.9%	1.9%	1.9%	2.0%	2.1%	2.1%	2.3%	2.2%	2.1%	1.9%	1.9%	2.0%
50															
51	System	2018	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
52	System	2019	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
53	System	2020	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
54	System	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW DISTRIBUTION LINE SALES BY YEAR

Line No	(a) Weather Station	(b) Year	(c) Jan	(d) Feb	(e) Mar	(f) Apr	(g) May	(h) Jun	(i) Jul	(j) Aug	(k) Sep	(l) Oct	(m) Nov	(n) Dec	(o) Annual
1	Dallas-Fort Worth	2018	419,741	402,069	403,937	416,954	410,284	482,248	499,940	492,264	489,785	449,914	415,401	399,893	5,282,428
2	Dallas-Fort Worth	2019	394,734	408,399	396,215	405,145	427,461	450,246	466,387	484,716	507,613	478,965	443,769	412,732	5,276,383
3	Dallas-Fort Worth	2020	406,242	410,474	429,921	395,894	394,247	418,411	465,473	473,808	482,962	448,979	419,840	401,386	5,147,638
4	Dallas-Fort Worth	Total	1,220,718	1,220,942	1,230,074	1,217,992	1,231,992	1,350,905	1,431,801	1,450,788	1,480,360	1,377,858	1,279,010	1,214,011	15,706,449
5															
6	Lufkin	2018	37,051	27,456	38,296	34,657	34,046	34,647	38,867	36,969	36,495	33,948	33,975	32,367	418,774
7	Lufkin	2019	31,264	33,974	31,447	32,222	32,971	34,557	35,169	35,835	36,963	35,713	30,888	35,258	406,260
8	Lufkin	2020	33,047	32,562	33,251	33,542	30,775	32,100	34,930	35,282	36,492	35,675	34,638	31,935	404,228
9	Lufkin	Total	101,362	93,992	102,993	100,420	97,792	101,304	108,966	108,087	109,950	105,335	99,501	99,559	1,229,262
10															
11	Austin	2018	10,360	10,561	9,717	10,373	10,297	11,107	11,256	10,061	11,300	10,741	10,468	10,531	126,772
12	Austin	2019	11,232	10,076	10,162	10,644	10,486	9,740	9,649	1,633	5,635	5,090	5,489	100,331	
13	Austin	2020	5,830	5,581	5,302	4,909	4,920	5,197	5,253	5,035	4,825	4,649	5,351	5,023	61,876
14	Austin	Total	27,422	26,217	25,182	25,776	25,862	26,789	26,249	24,745	17,758	21,025	20,909	21,044	288,979
15															
16	Killeen	2018	16,287	14,876	15,810	16,776	16,567	18,477	20,119	21,361	20,638	19,544	16,398	15,732	212,583
17	Killeen	2019	15,648	16,256	16,102	15,984	17,214	18,621	19,482	20,165	21,010	20,458	17,010	17,083	215,033
18	Killeen	2020	14,841	15,691	15,752	17,070	15,783	17,799	19,856	20,763	20,324	18,936	17,429	16,474	210,719
19	Killeen	Total	46,776	46,822	47,664	49,830	49,564	54,897	59,457	62,290	61,971	58,938	50,837	49,289	638,335
20															
21	Longview	2018	20,395	19,891	19,501	20,902	21,470	23,017	25,635	27,367	27,154	24,816	20,729	20,151	271,029
22	Longview	2019	19,671	22,244	21,533	14,365	21,203	23,099	24,125	23,704	26,004	24,081	20,669	22,162	262,860
23	Longview	2020	19,044	19,532	19,609	19,656	19,809	21,598	23,914	25,034	24,542	22,667	20,998	18,967	255,370
24	Longview	Total	59,110	61,667	60,643	54,923	62,482	67,715	73,675	76,105	77,700	71,564	62,396	61,280	789,259
25															
26	Waco	2018	35,904	35,727	36,258	39,066	39,835	46,531	49,337	50,607	49,536	46,398	41,905	38,909	510,015
27	Waco	2019	35,927	38,648	37,655	39,428	41,187	43,827	45,095	45,662	47,665	48,680	41,525	38,003	503,301
28	Waco	2020	35,312	37,102	35,400	39,542	37,890	39,618	44,734	47,405	45,506	43,843	41,684	38,467	486,503
29	Waco	Total	107,143	111,477	109,314	118,036	118,912	129,976	139,165	143,674	142,707	138,921	125,114	115,379	1,499,819
30															
31	Ablene	2018	90,921	59,267	79,010	88,923	62,766	93,405	79,691	82,299	81,842	76,740	63,105	88,901	946,869
32	Ablene	2019	61,271	89,500	71,801	75,226	62,662	88,030	78,840	77,545	78,481	73,120	68,646	59,012	884,534
33	Ablene	2020	74,941	58,521	75,594	53,813	75,302	44,600	68,716	61,762	48,082	67,995	73,552	40,443	743,721
34	Ablene	Total	227,132	208,088	226,405	217,961	200,730	226,035	227,247	221,606	208,406	217,855	205,303	188,356	2,575,123
35															
36	Wichita Falls	2018	15,808	13,803	13,903	14,471	14,126	14,774	16,656	16,097	16,499	15,332	14,378	15,520	181,367
37	Wichita Falls	2019	16,306	15,606	15,242	15,602	15,225	15,302	16,472	16,637	18,789	16,698	14,590	14,772	191,243
38	Wichita Falls	2020	15,168	13,867	14,337	14,377	12,856	12,889	14,394	15,582	15,488	14,335	14,999	13,569	171,863
39	Wichita Falls	Total	47,283	43,276	43,483	44,450	42,206	42,966	47,523	48,316	50,776	46,366	43,966	43,862	544,472
40															
41	Midland Odessa	2018	381,104	467,445	471,447	523,265	510,068	485,076	631,431	582,343	609,394	627,133	623,934	633,166	6,545,805
42	Midland Odessa	2019	641,815	675,171	642,240	675,485	683,968	719,106	707,081	702,160	761,490	742,545	722,644	787,743	8,461,447
43	Midland Odessa	2020	787,127	756,448	726,658	740,674	713,555	627,963	678,058	734,179	712,316	702,371	694,691	694,083	8,568,122
44	Midland Odessa	Total	1,810,045	1,899,064	1,840,345	1,939,424	1,907,591	1,832,144	2,016,570	2,018,681	2,083,199	2,072,049	2,041,269	2,114,992	23,575,374
45															
46	Denison	2018	24,008	24,357	23,890	25,762	24,809	28,917	31,700	33,303	33,138	30,194	26,209	24,828	331,115
47	Denison	2019	24,336	23,788	24,182	23,359	25,021	27,207	28,492	30,929	33,472	30,029	26,144	24,830	321,787
48	Denison	2020	23,803	24,276	23,735	22,500	24,670	25,889	28,290	32,404	30,534	28,493	25,604	24,085	314,280
49	Denison	Total	72,147	72,421	71,807	71,621	74,500	82,012	88,482	96,635	97,143	88,716	77,956	73,742	967,183
50															
51	System	2018	1,051,578	1,075,452	1,111,769	1,191,148	1,144,269	1,238,199	1,404,631	1,352,669	1,375,779	1,334,761	1,266,502	1,279,999	14,826,756
52	System	2019	1,252,205	1,334,062	1,266,578	1,307,308	1,337,556	1,430,481	1,430,884	1,447,004	1,533,120	1,475,925	1,390,975	1,417,082	16,623,179
53	System	2020	1,415,355	1,374,452	1,379,561	1,341,978	1,329,806	1,246,064	1,383,619	1,451,253	1,421,071	1,387,942	1,348,786	1,284,433	16,364,320
54	System	Total	3,719,138	3,783,966	3,757,909	3,840,433	3,811,631	3,914,743	4,219,134	4,250,926	4,329,970	4,198,627	4,006,263	3,981,514	47,814,255

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW SUBSTATION MONTHLY WEIGHTS

Line No.	(a) Weather Station	(b) Jan	(c) Feb	(d) Mar	(e) Apr	(f) May	(g) Jun	(h) Jul	(i) Aug	(j) Sep	(k) Oct	(l) Nov	(m) Dec	(n) Annual
1	Dallas-Fort Worth	21.8%	18.7%	17.4%	21.2%	21.4%	20.3%	20.6%	20.8%	20.5%	19.3%	19.6%	18.0%	19.9%
2	Midland-Odessa	50.1%	56.1%	60.9%	53.9%	53.6%	55.3%	54.9%	54.3%	54.6%	56.7%	57.0%	58.4%	55.6%
3	Lufkin	2.8%	2.5%	2.3%	2.5%	2.5%	2.7%	3.0%	2.8%	2.8%	2.7%	2.6%	1.7%	2.6%
4	Abilene	10.5%	10.3%	8.4%	9.0%	9.6%	8.5%	8.0%	7.5%	7.7%	7.2%	7.4%	9.6%	8.6%
5	Sherman-Denison	0.8%	0.9%	0.7%	0.8%	0.7%	1.1%	1.3%	1.2%	1.4%	1.1%	1.1%	0.5%	1.0%
6	Killeen-Temple	7.6%	4.8%	5.1%	5.6%	5.7%	6.2%	6.2%	7.0%	6.7%	6.5%	6.5%	6.2%	6.2%
7	Waco	1.8%	1.8%	1.2%	2.0%	1.4%	1.3%	1.4%	1.4%	1.2%	1.4%	1.1%	1.3%	1.4%
8	Wichita Falls.	3.5%	3.8%	3.1%	3.7%	3.8%	3.5%	3.5%	3.5%	3.3%	3.5%	3.3%	3.0%	3.5%
9	Longview	1.1%	1.1%	0.8%	1.1%	1.2%	1.1%	1.3%	1.5%	1.9%	1.7%	1.5%	1.3%	1.3%
10	Austin	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
11		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

SEASONAL WEIGHTS

Line No.	Weather Station	Nov to Mar HDD	May to Sep CDD
16	Dallas-Fort Worth	19.1%	20.7%
17	Midland-Odessa	56.5%	54.5%
18	Lufkin	2.4%	2.8%
19	Abilene	9.2%	8.2%
20	Sherman-Denison	0.8%	1.1%
21	Killeen-Temple	6.0%	6.4%
22	Waco	1.4%	1.3%
23	Wichita Falls.	3.4%	3.5%
24	Longview	1.2%	1.4%
25	Austin	0.0%	0.0%
26		100.0%	100.0%

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW SUBSTATION MONTHLY WEIGHTS

Line No.	(a) Weather Station	(b) Jan	(c) Feb	(d) Mar	(e) Apr	(f) May	(g) Jun	(h) Jul	(i) Aug	(j) Sep	(k) Oct	(l) Nov	(m) Dec	(n) Annual
1	Dallas-Fort Worth	21.8%	18.7%	17.4%	21.2%	21.4%	20.3%	20.6%	20.8%	20.5%	19.3%	19.6%	18.0%	19.9%
2	Midland-Odessa	50.1%	56.1%	60.9%	53.9%	53.6%	55.3%	54.9%	54.3%	54.6%	56.7%	57.0%	58.4%	55.6%
3	Lufkin	2.8%	2.5%	2.3%	2.5%	2.5%	2.7%	3.0%	2.8%	2.8%	2.7%	2.6%	1.7%	2.6%
4	Abilene	10.5%	10.3%	8.4%	9.0%	9.6%	8.5%	8.0%	7.5%	7.7%	7.2%	7.4%	9.6%	8.6%
5	Sherman-Denison	0.8%	0.9%	0.7%	0.8%	0.7%	1.1%	1.3%	1.2%	1.4%	1.1%	1.1%	0.5%	1.0%
6	Killeen-Temple	7.6%	4.8%	5.1%	5.6%	5.7%	6.2%	6.2%	7.0%	6.7%	6.5%	6.5%	6.2%	6.2%
7	Waco	1.8%	1.8%	1.2%	2.0%	1.4%	1.3%	1.4%	1.4%	1.2%	1.4%	1.1%	1.3%	1.4%
8	Wichita Falls.	3.5%	3.8%	3.1%	3.7%	3.8%	3.5%	3.5%	3.5%	3.3%	3.5%	3.3%	3.0%	3.5%
9	Longview	1.1%	1.1%	0.8%	1.1%	1.2%	1.1%	1.3%	1.5%	1.9%	1.7%	1.5%	1.3%	1.3%
10	Austin	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

Line No.	(a) Weather Station	(b) Year	PRIMARY SERVICE GREATER THAN 10 KW SUBSTATION WEIGHTS BY YEAR												(o) Annual
			(c) Jan	(d) Feb	(e) Mar	(f) Apr	(g) May	(h) Jun	(i) Jul	(j) Aug	(k) Sep	(l) Oct	(m) Nov	(n) Dec	
1	Dallas-Fort Worth	2018	31.8%	24.3%	17.3%	23.9%	24.5%	21.5%	23.1%	23.4%	22.2%	19.3%	22.1%	20.6%	22.5%
2	Dallas-Fort Worth	2019	20.3%	18.2%	20.6%	21.8%	22.8%	21.8%	21.8%	22.1%	21.6%	22.6%	20.7%	18.0%	21.0%
3	Dallas-Fort Worth	2020	17.9%	15.5%	15.2%	18.6%	17.8%	18.1%	17.4%	18.1%	16.3%	16.6%	15.8%	17.0%	
4	Dallas-Fort Worth	Total	21.8%	18.7%	17.4%	21.2%	21.4%	20.3%	20.6%	20.8%	20.5%	19.3%	19.6%	18.0%	19.9%
5															
6	Lufkin	2018	3.6%	2.9%	2.3%	2.7%	2.7%	2.6%	3.4%	3.0%	3.4%	3.4%	3.7%	1.2%	2.9%
7	Lufkin	2019	3.1%	2.4%	2.7%	2.5%	2.9%	3.6%	3.3%	2.9%	3.2%	3.0%	2.4%	2.4%	2.8%
8	Lufkin	2020	2.1%	2.5%	2.0%	2.4%	2.0%	2.0%	2.4%	2.5%	2.1%	2.0%	2.0%	1.6%	2.1%
9	Lufkin	Total	2.8%	2.5%	2.3%	2.5%	2.5%	2.7%	3.0%	2.8%	2.8%	2.7%	2.6%	1.7%	2.6%
10															
11	Austin	2018	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
12	Austin	2019	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
13	Austin	2020	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
14	Austin	Total	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
15															
16	Killeen	2018	6.1%	5.1%	3.1%	4.5%	4.5%	4.9%	5.5%	6.2%	6.1%	5.8%	5.6%	4.0%	5.1%
17	Killeen	2019	4.2%	3.9%	3.9%	4.1%	4.2%	5.1%	5.4%	5.2%	4.9%	4.0%	4.7%	6.1%	4.7%
18	Killeen	2020	11.0%	5.3%	7.6%	7.9%	7.9%	8.3%	7.4%	9.4%	8.9%	9.2%	8.9%	8.1%	8.3%
19	Killeen	Total	7.6%	4.8%	5.1%	5.6%	5.7%	6.2%	6.2%	7.0%	6.7%	6.5%	6.5%	6.2%	6.2%
20															
21	Longview	2018	1.2%	1.5%	0.9%	0.2%	0.5%	0.5%	1.2%	1.5%	1.5%	1.2%	0.2%	0.3%	0.9%
22	Longview	2019	0.2%	0.2%	0.2%	1.7%	1.9%	1.2%	1.3%	1.2%	2.1%	2.0%	2.0%	1.7%	1.3%
23	Longview	2020	1.7%	1.6%	1.1%	1.2%	1.1%	1.5%	1.3%	1.7%	2.1%	1.8%	2.1%	1.9%	1.6%
24	Longview	Total	1.1%	1.1%	0.8%	1.1%	1.2%	1.1%	1.3%	1.5%	1.9%	1.7%	1.5%	1.3%	1.3%
25															
26	Waco	2018	2.2%	1.7%	0.5%	2.6%	1.3%	1.4%	1.4%	1.4%	1.4%	1.7%	0.9%	1.6%	1.5%
27	Waco	2019	2.0%	1.9%	1.9%	2.0%	1.9%	1.9%	1.6%	1.6%	1.1%	1.6%	1.4%	1.2%	1.7%
28	Waco	2020	1.4%	1.8%	1.4%	1.5%	1.1%	0.8%	1.1%	1.2%	1.0%	0.9%	0.9%	1.0%	1.2%
29	Waco	Total	1.8%	1.8%	1.2%	2.0%	1.4%	1.3%	1.4%	1.4%	1.2%	1.4%	1.1%	1.3%	1.4%
30															
31	Ablene	2018	14.8%	11.8%	8.3%	9.6%	11.7%	9.3%	9.1%	8.9%	8.8%	9.8%	9.8%	10.5%	10.0%
32	Ablene	2019	10.9%	11.0%	10.3%	10.1%	10.5%	10.6%	9.2%	8.1%	8.0%	8.7%	8.4%	7.9%	9.4%
33	Ablene	2020	8.1%	8.7%	6.9%	7.6%	7.2%	5.9%	6.0%	5.7%	6.4%	3.9%	4.5%	10.4%	6.8%
34	Ablene	Total	10.5%	10.3%	8.4%	9.0%	9.6%	8.5%	8.0%	7.5%	7.7%	7.2%	7.4%	9.6%	8.6%
35															
36	Wichita Falls	2018	5.5%	4.4%	3.1%	4.6%	4.5%	3.9%	3.8%	4.1%	3.9%	4.2%	4.3%	4.0%	4.1%
37	Wichita Falls	2019	3.5%	4.4%	3.9%	3.6%	4.0%	4.2%	4.0%	3.8%	3.7%	3.8%	3.4%	3.0%	3.8%
38	Wichita Falls	2020	2.6%	2.9%	2.6%	3.2%	3.2%	2.6%	2.7%	2.6%	2.4%	2.6%	2.4%	2.2%	2.7%
39	Wichita Falls	Total	3.5%	3.8%	3.1%	3.7%	3.8%	3.5%	3.5%	3.5%	3.3%	3.5%	3.3%	3.0%	3.5%
40															
41	Midland Odessa	2018	33.1%	47.1%	63.6%	51.1%	49.7%	54.5%	50.9%	49.9%	50.8%	53.1%	52.4%	56.9%	51.9%
42	Midland Odessa	2019	55.1%	57.3%	55.7%	53.1%	50.6%	50.4%	51.9%	53.8%	54.0%	53.1%	55.8%	59.5%	54.2%
43	Midland Odessa	2020	54.7%	61.2%	62.6%	57.0%	59.1%	60.2%	60.6%	58.6%	58.1%	62.7%	61.6%	58.6%	59.6%
44	Midland Odessa	Total	50.1%	56.1%	60.9%	53.9%	53.6%	55.3%	54.9%	54.3%	54.6%	56.7%	57.0%	58.4%	55.6%
45															
46	Denison	2018	1.6%	1.1%	0.8%	0.8%	0.6%	1.3%	1.5%	1.5%	1.8%	1.6%	1.1%	0.8%	1.2%
47	Denison	2019	0.8%	0.9%	0.8%	1.0%	1.2%	1.3%	1.3%	1.2%	1.5%	1.4%	1.2%	0.5%	1.1%
48	Denison	2020	0.5%	0.6%	0.6%	0.6%	0.4%	0.8%	1.0%	1.0%	1.0%	0.6%	0.9%	0.4%	0.7%
49	Denison	Total	0.8%	0.9%	0.7%	0.8%	0.7%	1.1%	1.3%	1.2%	1.4%	1.1%	1.1%	0.5%	1.0%
50															
51	System	2018	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
52	System	2019	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
53	System	2020	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
54	System	Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
WEATHER WEIGHTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

PRIMARY SERVICE GREATER THAN 10 KW SUBSTATION SALES BY YEAR

Line No.	(a) Weather Station	(b) Year	(c) Jan	(d) Feb	(e) Mar	(f) Apr	(g) May	(h) Jun	(i) Jul	(j) Aug	(k) Sep	(l) Oct	(m) Nov	(n) Dec	(o) Annual
1	Dallas-Fort Worth	2018	72,825	68,690	67,159	79,838	80,930	83,418	89,451	93,314	89,844	70,996	77,972	78,861	953,298
2	Dallas-Fort Worth	2019	72,892	65,955	72,753	81,322	84,637	82,650	84,132	95,354	97,809	93,465	86,658	78,927	996,553
3	Dallas-Fort Worth	2020	80,929	65,234	72,511	78,558	75,413	78,981	81,060	79,925	90,451	75,715	76,112	76,910	931,799
4	Dallas-Fort Worth	Total	226,645	199,879	212,423	239,718	240,981	245,049	254,643	268,592	278,104	240,177	240,742	234,698	2,881,651
5															
6	Lufkin	2018	8,351	8,135	8,917	9,106	9,006	10,132	12,959	12,099	13,718	12,316	12,942	4,519	122,200
7	Lufkin	2019	10,985	8,602	9,472	9,340	10,835	13,536	12,900	12,441	14,268	12,455	9,877	10,332	135,041
8	Lufkin	2020	9,389	10,389	9,629	10,059	8,483	8,564	10,974	11,288	10,561	9,217	9,041	7,911	115,506
9	Lufkin	Total	28,725	27,126	28,018	28,504	28,325	32,232	36,833	35,828	38,547	33,988	31,861	22,762	372,746
10															
11	Austin	2018	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Austin	2019	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Austin	2020	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Austin	Total	0	0	0	0	0	0	0	0	0	0	0	0	0
15															
16	Killeen	2018	13,907	14,520	12,135	14,912	14,871	18,927	21,185	24,793	24,733	21,204	19,704	15,450	216,342
17	Killeen	2019	15,091	14,159	13,616	15,219	15,470	19,551	20,980	22,208	21,955	16,562	19,748	26,554	221,112
18	Killeen	2020	49,822	22,093	36,232	33,476	33,530	36,420	34,513	43,209	44,384	42,743	40,789	39,378	456,591
19	Killeen	Total	78,820	50,772	61,983	63,608	63,871	74,899	76,677	90,211	91,073	80,509	80,240	81,382	894,045
20															
21	Longview	2018	2,817	4,252	3,563	628	1,573	2,114	4,695	6,101	6,066	4,257	772	996	37,834
22	Longview	2019	781	721	649	6,511	6,956	4,611	5,039	5,373	9,460	8,122	8,405	7,280	63,908
23	Longview	2020	7,839	6,718	5,308	5,122	4,842	6,368	5,941	7,743	10,392	8,537	9,584	9,147	87,540
24	Longview	Total	11,437	11,692	9,521	12,261	13,370	13,094	15,674	19,217	25,918	20,915	18,761	17,423	189,283
25															
26	Waco	2018	4,989	4,728	2,067	8,659	4,284	5,446	5,534	5,401	5,736	6,177	3,074	6,219	62,315
27	Waco	2019	7,315	6,759	6,549	7,514	6,943	7,093	6,260	6,924	5,141	6,541	6,044	5,235	78,320
28	Waco	2020	6,312	7,410	6,609	6,442	4,752	3,293	5,141	5,559	4,852	4,178	3,978	4,879	63,406
29	Waco	Total	18,617	18,898	15,225	22,616	15,979	15,832	16,935	17,884	15,728	16,896	13,097	16,334	204,041
30															
31	Abilene	2018	33,779	33,329	32,433	32,124	38,746	35,920	35,228	35,644	35,660	35,927	34,493	40,230	423,513
32	Abilene	2019	39,278	39,879	36,416	37,572	38,771	40,214	35,676	35,097	36,384	36,022	35,083	34,420	444,812
33	Abilene	2020	36,674	36,705	33,047	32,206	30,421	25,697	27,927	26,170	32,274	18,241	20,818	50,455	370,635
34	Abilene	Total	109,732	109,912	101,896	101,901	107,937	101,832	98,831	96,911	104,318	90,190	90,393	125,105	1,238,959
35															
36	Wichita Falls	2018	12,698	12,328	12,235	15,437	14,838	15,174	14,759	16,361	15,985	15,599	15,240	15,321	175,975
37	Wichita Falls	2019	12,499	15,859	13,751	13,274	14,821	16,017	15,634	16,540	16,612	15,628	14,253	12,962	177,851
38	Wichita Falls	2020	11,750	12,003	12,325	13,621	13,608	11,305	12,709	11,888	11,819	12,239	11,149	10,874	145,290
39	Wichita Falls	Total	36,947	40,191	38,311	42,332	43,267	42,496	43,102	44,789	44,416	43,466	40,642	39,157	499,116
40															
41	Midland Odessa	2018	75,832	133,078	247,121	170,349	164,416	211,370	196,950	199,163	205,928	194,960	184,945	217,527	2,201,638
42	Midland Odessa	2019	198,128	208,219	196,250	197,565	187,555	191,242	200,581	231,548	243,997	219,783	233,792	260,580	2,569,240
43	Midland Odessa	2020	247,696	257,254	298,905	241,133	250,156	263,128	282,028	269,608	291,024	292,228	282,068	284,614	3,259,844
44	Midland Odessa	Total	521,656	598,551	742,276	609,047	602,127	665,740	679,560	700,318	740,949	706,970	700,806	762,722	8,030,722
45															
46	Denison	2018	3,775	3,219	3,048	2,505	1,948	5,094	5,898	6,157	7,344	5,773	3,827	3,079	51,667
47	Denison	2019	2,898	3,150	2,957	3,898	4,417	4,885	5,008	5,197	6,637	5,707	5,113	1,995	51,862
48	Denison	2020	2,058	2,712	2,960	2,643	1,765	3,438	4,725	4,544	4,861	2,779	4,187	1,894	38,564
49	Denison	Total	8,731	9,081	8,965	9,046	8,129	13,417	15,631	15,898	18,842	14,259	13,127	6,968	142,093
50															
51	System	2018	228,974	282,278	388,679	333,557	330,611	387,596	386,659	399,033	405,013	367,209	352,970	382,203	4,244,782
52	System	2019	359,866	363,304	352,412	372,215	370,404	379,800	386,210	430,683	452,263	414,284	418,973	438,285	4,738,699
53	System	2020	452,469	420,519	477,526	423,260	422,970	437,195	465,018	459,934	500,618	465,878	457,726	486,062	5,469,175
54	System	Total	1,041,309	1,066,102	1,218,618	1,129,021	1,123,985	1,204,591	1,237,886	1,289,650	1,357,895	1,247,370	1,229,668	1,306,550	14,452,656

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

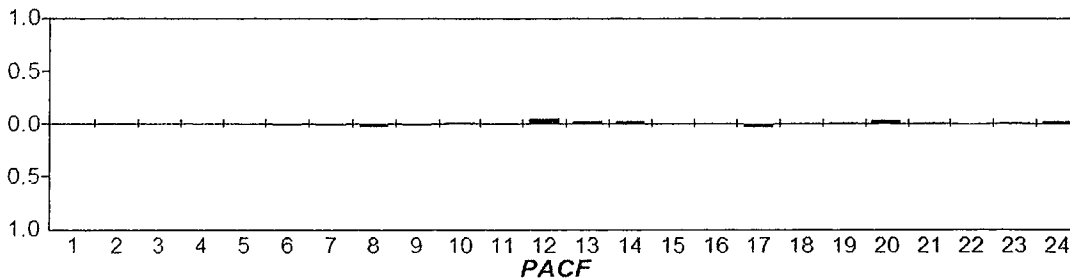
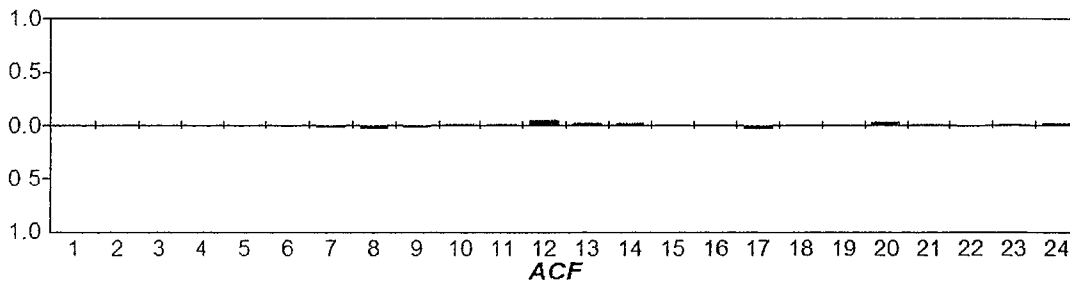
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Residential Spline			
2	After Corrective Procedures for Autocorrelation				
3	Dependent Variable:	ResDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	Std Error	Std Error	Value
8	CONST	86138.925	3082.935	27.941	0.00%
9	Calendar_18_20.DLSav	-3331.062	1639.162	-2.032	4.24%
10	Calendar_18_20.Monday	-6077.632	519.686	-11.695	0.00%
11	Calendar_18_20.Tuesday	-6407.28	630.287	-10.166	0.00%
12	Calendar_18_20.Wednesday	-5849.677	650.302	-8.995	0.00%
13	Calendar_18_20.Thursday	-5547.793	651.998	-8.509	0.00%
14	Calendar_18_20.Friday	-8280.867	634.038	-13.061	0.00%
15	Calendar_18_20.Saturday	-3571.486	502.676	-7.105	0.00%
16	Calendar_18_20.MLK	9616.119	3001.039	3.204	0.14%
17	Calendar_18_20.PresDay	-7757.525	2989.484	-2.595	0.96%
18	Calendar_18_20.MemDay	7467.642	2953.308	2.529	1.16%
19	Calendar_18_20.LaborDay	8351.514	2956.906	2.824	0.48%
20	Calendar_18_20.Thanks	9459.586	3213.434	2.944	0.33%
21	Calendar_18_20.FriAThanks	4704.051	3226.382	1.458	14.52%
22	Calendar_18_20.XMasWkB4	7770.218	4366.693	1.779	7.55%
23	Calendar_18_20.XMasEve	13539.007	3703.926	3.655	0.03%
24	Calendar_18_20.XMasDay	7163.473	3357.073	2.134	3.31%
25	Calendar_18_20.NYEve	9295.864	3344.484	2.779	0.55%
26	Calendar_18_20.NYDay	8530.889	3893.435	2.191	2.87%
27	Calendar_18_20.XMasLights	157.766	117.288	1.345	17.89%
28	DayTypeVars.Feb	-3715.09	1941.053	-1.914	5.59%
29	DayTypeVars.Mar	-8904.349	2056.272	-4.33	0.00%
30	DayTypeVars.Apr	-4244.264	1935.622	-2.193	2.85%
31	DayTypeVars.Jun	7152.913	1939.272	3.688	0.02%
32	DayTypeVars.Jul	11453.669	2157.674	5.308	0.00%
33	DayTypeVars.Aug	8144.682	1969.501	4.135	0.00%
34	DayTypeVars.Oct	-3340.224	1897.348	-1.76	7.86%
35	DayTypeVars.Nov	-6220.276	2349.816	-2.647	0.82%
36	DayTypeVars.Dec	-5229.877	2444.152	-2.14	3.26%
37	DayTypeVars.TimeTrend	1942.866	985.535	1.971	4.89%
38	RESDD_18_20.ResHDD40	1234.770	387.094	3.190	0.15%
39	RESDD_18_20.ResHDD45	880.419	299.707	2.938	0.34%
40	RESDD_18_20.ResHDD55	1896.280	256.167	7.403	0.00%
41	RESDD_18_20.ResHDD60	988.327	359.728	2.747	0.61%
42	RESDD_18_20.ResHDD65	408.430	216.565	1.886	5.96%
43	RESDD_18_20.ResCDD65	1462.072	228.008	6.412	0.00%
44	RESDD_18_20.ResCDD70	2075.154	409.474	5.068	0.00%
45	RESDD_18_20.ResCDD75	1562.961	389.287	4.015	0.01%
46	RESDD_18_20.ResCDD80	486.469	296.992	1.638	10.17%
47	AR(1)	0.499	0.032	15.821	0.00%
48	AR(2)	-0.010	0.035	-0.291	77.13%
49	AR(3)	0.062	0.035	1.800	7.21%
50	AR(4)	0.084	0.035	2.417	1.58%
51	AR(5)	-0.003	0.035	-0.093	92.57%
52	AR(6)	0.071	0.035	2.046	4.10%
53	AR(7)	-0.011	0.035	-0.306	75.96%
54	AR(8)	0.098	0.031	3.150	0.17%
55					
56	Model Statistics				
57	Adjusted Observations	1088			
58	Deg of Freedom for Error	1041			
59	R-Squared	0.980			
60	Adjusted R-Squared	0.979			
61	F-Statistic	1112			
62	Prob (F-Statistic)	0.0000			
63	Model Sum of Squares	1660906471863			
64	Sum of Squared Errors	33792246314			
65	Mean Squared Error	32461332			
66	Std. Error of Regression	5,697.48			
67	Mean Abs Dev. (MAD)	4,229.55			
68	Mean Abs % Err (MAPE)	3.91%			
69	Durbin-Watson Statistic	2.005			
70	Ljung-Box Statistic	12.34			
71	Prob (Ljung-Box)	0.9759			

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

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**Residential Spline Model
After Corrective Procedures for Autocorrelation**



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

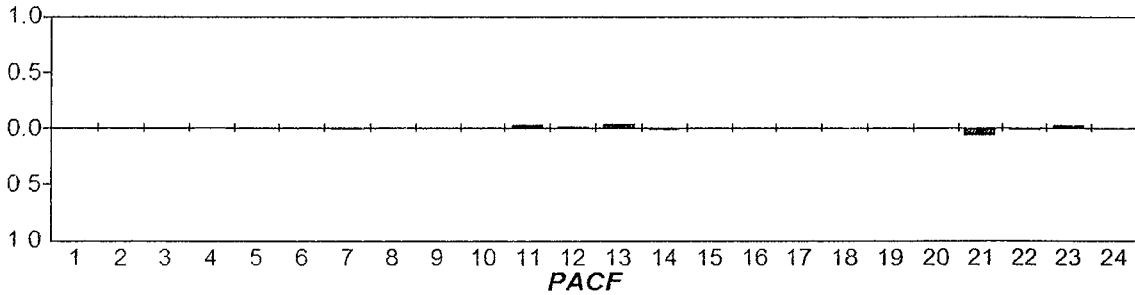
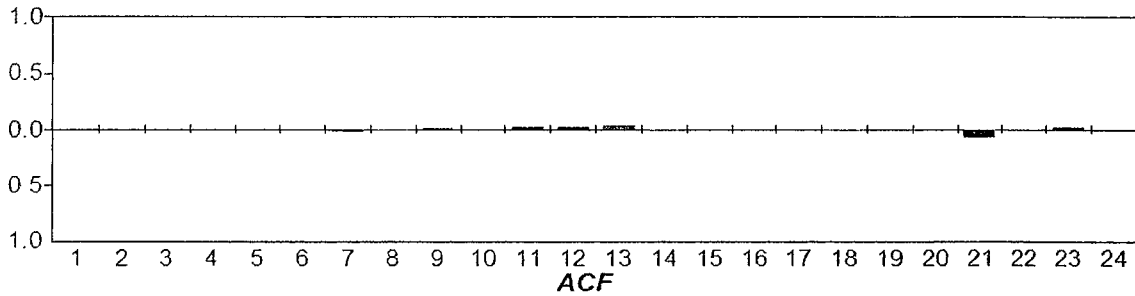
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model	Secondary Service Less Than or Equal to 10 KW Spline			
2	After Corrective Procedures for Autocorrelation				
3	Dependent Variable:	GSSDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Parameter Variable	Coefficient	Standard Error	T-Statistic	P-Value
8	CONST	4400.03	79.943	55.039	0.00%
9	Calendar_18_20.DLSav	-80.67	44.611	-2.032	4.24%
10	Calendar_18_20.Monday	460.652	21.255	21.673	0.00%
11	Calendar_18_20.Tuesday	512.407	29.529	17.353	0.00%
12	Calendar_18_20.Wednesday	553.968	32.214	17.197	0.00%
13	Calendar_18_20.Thursday	559.887	32.224	17.375	0.00%
14	Calendar_18_20.Friday	518.592	29.571	17.537	0.00%
15	Calendar_18_20.Saturday	194.073	21.123	9.188	0.00%
16	Calendar_18_20.MLK	118.848	63.142	1.882	6.01%
17	Calendar_18_20.PresDay	-171.739	52.902	-3.246	0.12%
18	Calendar_18_20.GoodFri	-113.063	51.779	-2.184	2.92%
19	Calendar_18_20.MemDay	-391.869	51.626	-7.591	0.00%
20	Calendar_18_20.July4th	-426.967	51.793	-8.244	0.00%
21	Calendar_18_20.LaborDay	-431.938	52.066	-8.296	0.00%
22	Calendar_18_20.Thanks	-355.215	61.279	-5.797	0.00%
23	Calendar_18_20.FriAThanks	-202.471	61.379	-3.299	0.10%
24	Calendar_18_20.XMasEve	-400.416	72.796	-5.501	0.00%
25	Calendar_18_20.XMasDay	-592.369	69.977	-8.465	0.00%
26	Calendar_18_20.XMasWk	-303.54	100.119	-3.032	0.25%
27	Calendar_18_20.NYEve	-92.674	66.568	-1.392	16.42%
28	Calendar_18_20.NYDay	-495.4	76.315	-6.492	0.00%
29	DayTypeVars.Mar	-165.069	53.348	-3.094	0.20%
30	DayTypeVars.Apr	-365.54	64.387	-5.677	0.00%
31	DayTypeVars.May	-358.14	64.477	-5.555	0.00%
32	DayTypeVars.Jun	-111.84	52.783	-2.119	3.43%
33	DayTypeVars.Sep	-139.041	54.641	-2.545	1.11%
34	DayTypeVars.Oct	-109.235	67.921	-1.608	10.81%
35	DayTypeVars.Nov	-195.599	73.845	-2.649	0.82%
36	DayTypeVars.Dec	-129.681	72.212	-1.796	7.28%
37	GSSDD_18_20.GSSHDD45	17.353	3.679	4.717	0.00%
38	GSSDD_18_20.GSSHDD55	13.441	4.17	3.223	0.13%
39	GSSDD_18_20.GSSHDD60	18.439	2.925	6.304	0.00%
40	GSSDD_18_20.GSSCDD65	15.156	3.6	4.262	0.00%
41	GSSDD_18_20.GSSCDD70	22.432	6.718	3.339	0.09%
42	GSSDD_18_20.GSSCDD75	25.371	5.653	4.488	0.00%
43	GSSDD_18_20.GSSCDD85	20.015	7.071	2.831	0.47%
44	AR(1)	0.800	0.031	25.861	0.00%
45	AR(2)	-0.132	0.040	-3.317	0.10%
46	AR(3)	0.089	0.040	2.486	1.31%
47	AR(4)	0.031	0.040	0.776	43.78%
48	AR(5)	-0.018	0.040	-0.442	65.83%
49	AR(6)	-0.027	0.040	-0.675	49.97%
50	AR(7)	0.206	0.040	5.213	0.00%
51	AR(8)	-0.107	0.040	-2.692	0.72%
52	AR(9)	0.035	0.040	0.891	37.32%
53	AR(10)	0.012	0.039	0.293	76.99%
54	AR(11)	-0.035	0.039	-0.892	37.27%
55	AR(12)	-0.012	0.039	-0.301	76.38%
56	AR(13)	0.021	0.040	0.53	59.65%
57	AR(14)	0.155	0.040	3.918	0.01%
58	AR(15)	-0.110	0.040	-2.773	0.57%
59	AR(16)	0.002	0.040	0.063	94.98%
60	AR(17)	-0.064	0.039	-1.632	10.30%
61	AR(18)	0.036	0.040	0.895	37.12%
62	AR(19)	0.048	0.040	1.205	22.84%
63	AR(20)	0.056	0.040	1.399	16.22%
64	AR(21)	0.124	0.039	3.158	0.17%
65	AR(22)	-0.177	0.030	-5.859	0.00%
66					
67	Model Statistics				
68	Adjusted Observations	1074			
69	Deg. of Freedom for Error	1016			
70	R-Squared	0.988			
71	Adjusted R-Squared	0.986			
72	F-Statistic	540			
73	Prob (F-Statistic)	0.0000			
74	Model Sum of Squares	450,058,980			
75	Sum of Squared Errors	14,846,862			
76	Mean Squared Error	14,613			
77	Std. Error of Regression	120.88			
78	Mean Abs Dev. (MAD)	89.79			
79	Mean Abs % Err (MAPE)	1.79%			
80	Durbin-Watson Statistic	1.994			
81	Ljung-Box Statistic	10.97			
82	Prob (Ljung-Box)	0.9892			

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

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**Secondary Service Less Than or Equal to 10 KW Spline Model
After Corrective Procedures for Autocorrelation**



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

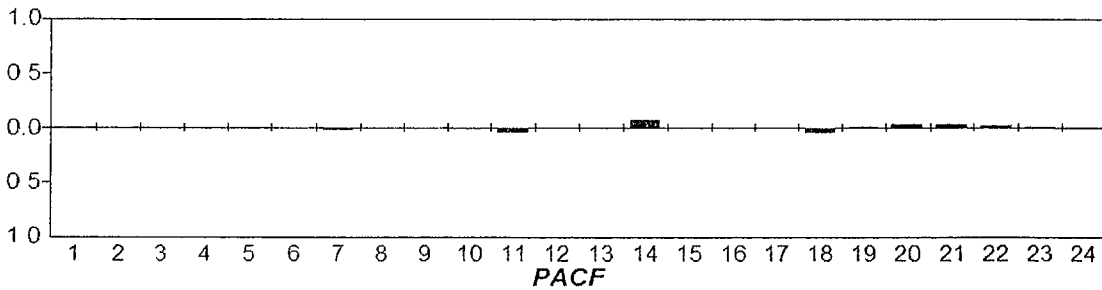
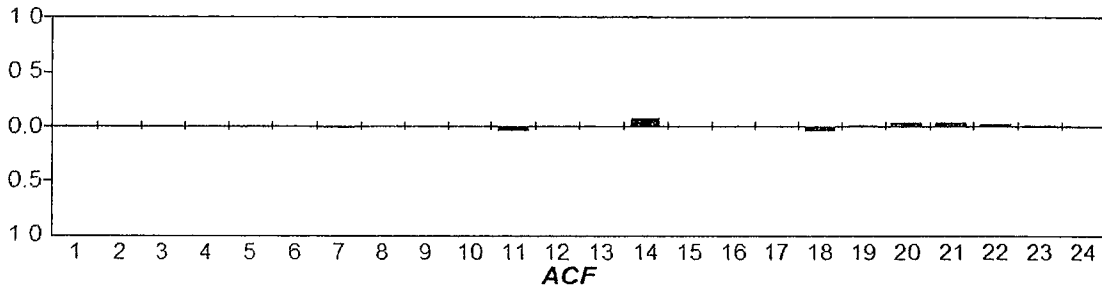
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Secondary Service Greater Than 10 KW Spline			
2	After Corrective Procedures for Autocorrelation				
3	Dependent Variable:	GSLDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	StdErr	T-Stat	P-Value
8	CONST	107015.546	7293.871	14.672	0.00%
9	Calendar_18_20.DLSav	-1871.515	1094.891	-1.709	8.77%
10	Calendar_18_20.Monday	20859.367	297.762	70.054	0.00%
11	Calendar_18_20.Tuesday	22225.522	398.717	55.743	0.00%
12	Calendar_18_20.Wednesday	23029.763	414.797	55.52	0.00%
13	Calendar_18_20.Thursday	22817.796	414.796	55.01	0.00%
14	Calendar_18_20.Friday	20521.407	400.103	51.29	0.00%
15	Calendar_18_20.Saturday	5694.621	291.946	19.506	0.00%
16	Calendar_18_20.MLK	-2403.636	1309.612	-1.835	6.67%
17	Calendar_18_20.PresDay	-7309.616	1297.599	-5.633	0.00%
18	Calendar_18_20.GoodFri	-6366.088	1290.057	-4.935	0.00%
19	Calendar_18_20.MemDay	-18357.56	1281.845	-14.321	0.00%
20	Calendar_18_20.July4th	-16307.608	1269.052	-12.85	0.00%
21	Calendar_18_20.LaborDay	-20749.15	1281.5	-16.191	0.00%
22	Calendar_18_20.Thanks	-20051.081	1453.754	-13.793	0.00%
23	Calendar_18_20.FriAThanks	-11216.618	1456.244	-7.702	0.00%
24	Calendar_18_20.XMasEve	-17190.961	2087.797	-8.234	0.00%
25	Calendar_18_20.XMasDay	-27299.715	1755.486	-15.551	0.00%
26	Calendar_18_20.XMasWk	-12781.728	2371.224	-5.39	0.00%
27	Calendar_18_20.NYEve	-10142.025	1579.634	-6.42	0.00%
28	Calendar_18_20.NYDay	-24367.364	1832.989	-13.294	0.00%
29	Calendar_18_20.XMasLights	224.362	73.079	3.07	0.22%
30	DayTypeVars.Feb	-4088.12	1050.979	-3.89	0.01%
31	DayTypeVars.Apr	2625.779	1060.343	2.476	1.34%
32	DayTypeVars.Jun	2443.787	1206.816	2.025	4.31%
33	DayTypeVars.Jul	4759.029	1204.942	3.95	0.01%
34	DayTypeVars.Sep	-3900.581	1062.627	-3.671	0.03%
35	DayTypeVars.Nov	-3266.983	1375.283	-2.375	1.77%
36	DayTypeVars.Dec	-1961.409	1614.962	-1.215	22.48%
37	DayTypeVars.TimeTrend	-4813.041	2601.24	-1.85	6.46%
38	GSLDD_18_20.GSLHDD45	632.775	75.524	8.378	0.00%
39	GSLDD_18_20.GSLHDD55	530.556	40.177	13.206	0.00%
40	GSLDD_18_20.GSLCDD60	523.010	79.398	6.587	0.00%
41	GSLDD_18_20.GSLCDD65	346.225	153.926	2.249	2.47%
42	GSLDD_18_20.GSLCDD70	676.207	172.984	3.909	0.01%
43	GSLDD_18_20.GSLCDD75	476.746	124.92	3.816	0.02%
44	AR(1)	0.749	0.031	23.974	0.00%
45	AR(2)	-0.001	0.039	-0.036	97.17%
46	AR(3)	0.094	0.039	2.413	1.60%
47	AR(4)	-0.044	0.039	-1.131	25.82%
48	AR(5)	0.005	0.039	0.127	89.88%
49	AR(6)	0.107	0.039	2.746	0.61%
50	AR(7)	0.151	0.039	3.894	0.01%
51	AR(8)	-0.053	0.039	-1.344	17.92%
52	AR(9)	-0.123	0.039	-3.133	0.18%
53	AR(10)	0.077	0.031	2.429	1.53%
54					
55	Model Statistics				
56	Adjusted Observations	1086			
57	Deg of Freedom for Error	1040			
58	R-Squared	0.985			
59	Adjusted R-Squared	0.984			
60	F-Statistic	1471			
61	Prob (F-Statistic)	0.0000			
62	Model Sum of Squares	521,533,816,728			
63	Sum of Squared Errors	8,195,151,092			
64	Mean Squared Error	7,879,953			
65	Std Error of Regression	2,807.13			
66	Mean Abs Dev (MAD)	2,126.17			
67	Mean Abs % Err (MAPE)	1.77%			
68	Durbin-Watson Statistic	2.000			
69	Ljung-Box Statistic	16.21			
70	Prob (Ljung-Box)	0.8802			

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

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Secondary Service Greater Than 10 KW Spline Model
After Corrective Procedures for Autocorrelation



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

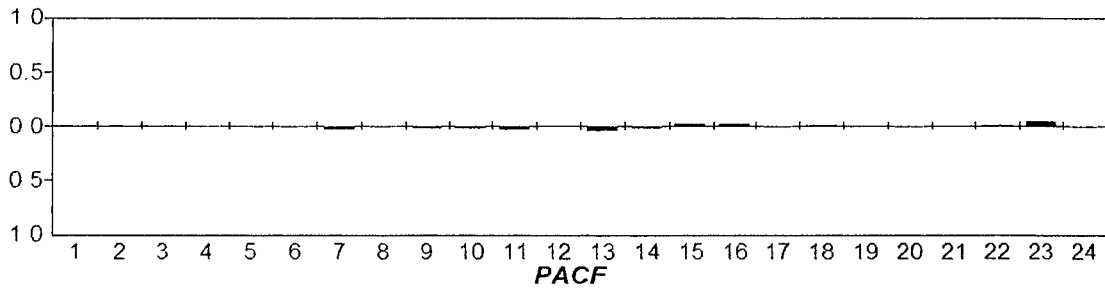
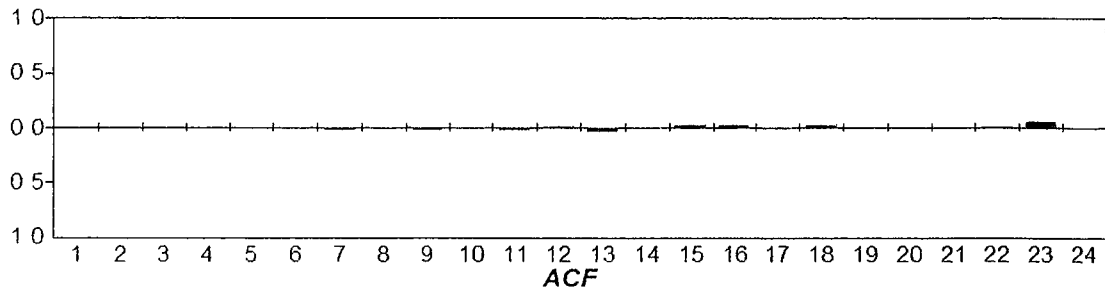
Line No	(a)	(b)	(c)	(d)	(e)
1	Model:	Primary Service Greater Than 10 KW Distribution Spline			
2	After Corrective Procedures for Autocorrelation				
3	Dependent Variable:	GPLDDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	StdErr	T-Stat	P-Value
8	CONST	39076.143	813.607	48.028	0.00%
9	Calendar_18_20.DLSav	-872.352	242.923	-3.591	0.04%
10	Calendar_18_20.Monday	2557.518	53.807	47.531	0.00%
11	Calendar_18_20.Tuesday	3071.2	66.49	46.19	0.00%
12	Calendar_18_20.Wednesday	3085.973	68.938	44.764	0.00%
13	Calendar_18_20.Thursday	3116.763	69.113	45.097	0.00%
14	Calendar_18_20.Friday	2889.223	67.02	43.11	0.00%
15	Calendar_18_20.Saturday	1161.891	52.837	21.99	0.00%
16	Calendar_18_20.MLK	-812.829	276.555	-2.939	0.34%
17	Calendar_18_20.GoodFri	-410.777	277.472	-1.48	13.91%
18	Calendar_18_20.MemDay	-2901.889	276.961	-10.478	0.00%
19	Calendar_18_20.July4th	-2398.616	274.363	-8.742	0.00%
20	Calendar_18_20.LaborDay	-2431.141	276.961	-8.778	0.00%
21	Calendar_18_20.Thanks	-3429.916	315.228	-10.881	0.00%
22	Calendar_18_20.FriAThanks	-2775.367	315.232	-8.804	0.00%
23	Calendar_18_20.XMasEve	-2178.519	458.935	-4.747	0.00%
24	Calendar_18_20.XMasDay	-3729.846	379.735	-9.822	0.00%
25	Calendar_18_20.XMasWk	-2282.607	515.422	-4.429	0.00%
26	Calendar_18_20.NYEve	-1618.259	349.335	-4.632	0.00%
27	Calendar_18_20.NYDay	-3765.335	412.226	-9.134	0.00%
28	Calendar_18_20.XMasLights	72.71	16.385	4.438	0.00%
29	DayTypeVars.Feb	-758.702	313.794	-2.418	1.58%
30	DayTypeVars.Mar	-950.033	424.44	-2.238	2.54%
31	DayTypeVars.Apr	-702.623	495.075	-1.419	15.61%
32	DayTypeVars.May	-1545.849	543.743	-2.843	0.46%
33	DayTypeVars.Jun	-1331.24	576.889	-2.308	2.12%
34	DayTypeVars.Jul	-1169.529	595.089	-1.965	4.96%
35	DayTypeVars.Aug	-1569.134	602.074	-2.606	0.93%
36	DayTypeVars.Sep	-1635.84	595.36	-2.748	0.61%
37	DayTypeVars.Oct	-1954.778	577.244	-3.386	0.08%
38	DayTypeVars.Nov	-2419.264	536.952	-4.506	0.00%
39	DayTypeVars.Dec	-2503.974	483.115	-5.183	0.00%
40	GPDDD_18_20.GPDCDD55	58.096	6.199	9.372	0.00%
41	GPDDD_18_20.GPDCDD70	78.014	11.776	6.625	0.00%
42	AR(1)	0.767	0.031	24.793	0.00%
43	AR(2)	0.001	0.039	0.019	98.50%
44	AR(3)	0.096	0.039	2.467	1.38%
45	AR(4)	0.016	0.039	0.4	68.91%
46	AR(5)	-0.02	0.04	-0.501	61.62%
47	AR(6)	0.019	0.039	0.479	63.24%
48	AR(7)	0.095	0.031	3.099	0.20%
49					
50	Model Statistics				
51	Adjusted Observations	1089			
52	Deg. of Freedom for Error	1048			
53	R-Squared	0.953			
54	Adjusted R-Squared	0.951			
55	F-Statistic	528			
56	Prob (F-Statistic)	0.0000			
57	Model Sum of Squares	7661546776			
58	Sum of Squared Errors	380387121			
59	Mean Squared Error	362965			
60	Std. Error of Regression	602.47			
61	Mean Abs. Dev. (MAD)	452.20			
62	Mean Abs. % Err. (MAPE)	1.12%			
63	Durbin-Watson Statistic	2.001			
64	Ljung-Box Statistic	11.16			
65	Prob (Ljung-Box)	0.9878			

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

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**Primary Service Greater Than 10 KW Distribution Spline Model
After Corrective Procedures for Autocorrelation**



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

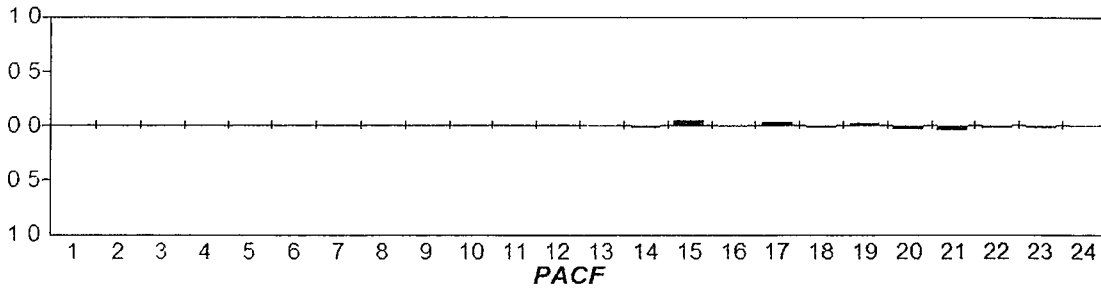
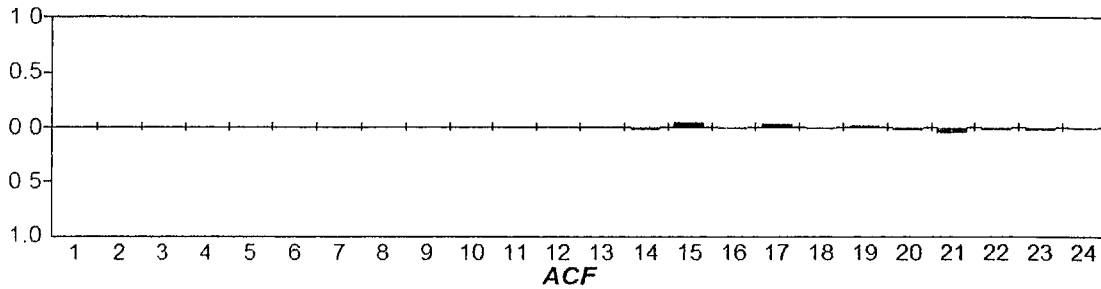
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Substation Spline			
2	After Corrective Procedures for Autocorrelation				
3	Dependent Variable:	SUBSDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	StdErr	T-Stat	P-Value
8	CONST	9368.913	523.616	17.893	0.00%
9	Calendar_18_20.DLSav	-207.541	91.907	-2.258	2.41%
10	Calendar_18_20.Monday	202.392	23.731	8.528	0.00%
11	Calendar_18_20.Tuesday	211.518	29.285	7.223	0.00%
12	Calendar_18_20.Wednesday	200.4	30.652	6.538	0.00%
13	Calendar_18_20.Thursday	200.964	30.636	6.56	0.00%
14	Calendar_18_20.Friday	222.563	29.348	7.584	0.00%
15	Calendar_18_20.Saturday	102.454	23.614	4.339	0.00%
16	Calendar_18_20.MemDay	-168.588	134.133	-1.257	20.91%
17	Calendar_18_20.XMasDay	-300.001	132.987	-2.256	2.43%
18	Calendar_18_20.NYDay	-424.168	162.861	-2.604	0.93%
19	DayTypeVars.Apr	310.638	95.407	3.256	0.12%
20	DayTypeVars.Jul	189.885	115.196	1.648	9.96%
21	DayTypeVars.Aug	378.381	131.477	2.878	0.41%
22	DayTypeVars.Sep	185.791	113.907	1.631	10.32%
23	DayTypeVars.TimeTrend	1445.099	183.958	7.856	0.00%
24	GSBDD_18_20.GSBCDD50	14.089	2.293	6.144	0.00%
25	GSBDD_18_20.GSBCDD70	21.438	5.411	3.962	0.01%
26	GSBDD_18_20.GSBCDD85	-28.896	13.574	-2.129	3.35%
27	AR(1)	0.641	0.031	20.793	0.00%
28	AR(2)	0.012	0.037	0.331	74.06%
29	AR(3)	0.11	0.037	3.015	0.26%
30	AR(4)	-0.02	0.037	-0.556	57.80%
31	AR(5)	0.047	0.037	1.29	19.75%
32	AR(6)	0.01	0.037	0.283	77.71%
33	AR(7)	0.015	0.037	0.419	67.51%
34	AR(8)	0.03	0.037	0.822	41.15%
35	AR(9)	0.011	0.037	0.312	75.52%
36	AR(10)	0.022	0.037	0.592	55.37%
37	AR(11)	0.013	0.037	0.353	72.41%
38	AR(12)	0.012	0.037	0.342	73.26%
39	AR(13)	0.039	0.031	1.278	20.14%
40					
41	Model Statistics				
42	Adjusted Observations	1083			
43	Deg. of Freedom for Error	1051			
44	R-Squared	0.969			
45	Adjusted R-Squared	0.968			
46	F-Statistic	1057			
47	Prob (F-Statistic)	0.0000			
48	Model Sum of Squares	2,492,066,894			
49	Sum of Squared Errors	79,922,247			
50	Mean Squared Error	76,044			
51	Std. Error of Regression	275.76			
52	Mean Abs. Dev. (MAD)	205.25			
53	Mean Abs. % Err. (MAPE)	1.54%			
54	Durbin-Watson Statistic	1.998			
55	Ljung-Box Statistic	11.05			
56	Prob (Ljung-Box)	0.9886			

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

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Substation Spline Model
After Corrective Procedures for Autocorrelation



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

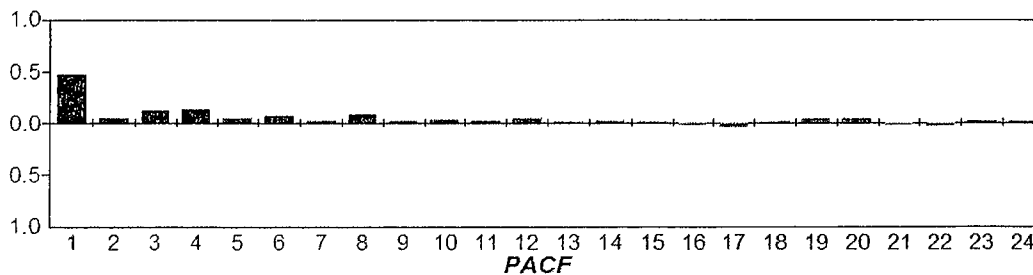
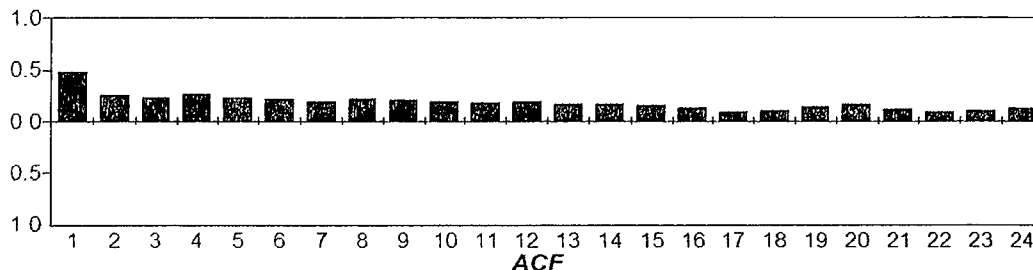
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Residential Spline (B)			
2	Before Corrective Procedures for Autocorrelation				
3	Dependent Variable:	ResDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	StdErr	Stat	P-Value
8	CONST	85417.521	1502.006	56.869	0.00%
9	Calendar_18_20.DLSav	-4891.04	1436.633	-3.405	0.07%
10	Calendar_18_20.Monday	-6278.34	800.123	-7.847	0.00%
11	Calendar_18_20.Tuesday	-6649.896	783.023	-8.493	0.00%
12	Calendar_18_20.Wednesday	-6090.503	783.455	-7.774	0.00%
13	Calendar_18_20.Thursday	-5565.523	786.727	-7.074	0.00%
14	Calendar_18_20.Friday	-8313.135	793.482	-10.477	0.00%
15	Calendar_18_20.Saturday	-3527.317	779.992	-4.522	0.00%
16	Calendar_18_20.MLK	10829.206	4141.68	2.615	0.91%
17	Calendar_18_20.PresDay	-9497.042	4104.19	-2.314	2.08%
18	Calendar_18_20.GoodFri	2785.36	4078.499	0.683	49.48%
19	Calendar_18_20.MemDay	10162.256	4089.343	2.485	1.31%
20	Calendar_18_20.July4th	4070.706	4061.469	1.002	31.64%
21	Calendar_18_20.LaborDay	11434.051	4062.19	2.801	0.52%
22	Calendar_18_20.Thanks	9250.156	4086.09	2.264	2.38%
23	Calendar_18_20.FriAThanks	6301.431	4090.108	1.541	12.37%
24	Calendar_18_20.XMasWkB4	4315.398	4600.588	0.938	34.84%
25	Calendar_18_20.XMasEve	14584.159	4207.166	3.467	0.06%
26	Calendar_18_20.XMasDay	10719.967	4228.484	2.535	1.14%
27	Calendar_18_20.XMasWk	2517.223	4900.661	0.514	60.76%
28	Calendar_18_20.NYEve	10800.428	4213.129	2.564	1.05%
29	Calendar_18_20.NYDay	3128.115	4144.408	0.755	45.05%
30	Calendar_18_20.XMasLights	334.161	95.116	3.513	0.05%
31	DayTypeVars.Feb	-2803.078	1069.777	-2.62	0.89%
32	DayTypeVars.Mar	-10179.267	1498.641	-6.792	0.00%
33	DayTypeVars.Apr	-7173.121	1813.348	-3.956	0.01%
34	DayTypeVars.May	-731.25	1928.258	-0.379	70.46%
35	DayTypeVars.Jun	6813.133	2047.422	3.328	0.09%
36	DayTypeVars.Jul	10249.458	2124.607	4.824	0.00%
37	DayTypeVars.Aug	8245.635	2123.782	3.883	0.01%
38	DayTypeVars.Sep	-725.46	1977.19	-0.367	71.38%
39	DayTypeVars.Oct	-5624.262	1815.118	-3.099	0.20%
40	DayTypeVars.Nov	-8633.52	1114.493	-7.747	0.00%
41	DayTypeVars.Dec	-8228.246	1580.848	-5.205	0.00%
42	DayTypeVars.TimeTrend	1804.764	258.505	6.982	0.00%
43	RESDD_18_20.ResHDD40	1490.189	468.788	3.179	0.15%
44	RESDD_18_20.ResHDD45	927.154	610.919	1.518	12.94%
45	RESDD_18_20.ResHDD50	157.979	590.97	0.267	78.93%
46	RESDD_18_20.ResHDD55	1765.25	535.33	3.298	0.10%
47	RESDD_18_20.ResHDD60	1162.95	528.452	2.201	2.80%
48	RESDD_18_20.ResHDD65	449.608	296.145	1.518	12.93%
49	RESDD_18_20.ResCDD65	1939.236	304.799	6.362	0.00%
50	RESDD_18_20.ResCDD70	1964.117	535.517	3.668	0.03%
51	RESDD_18_20.ResCDD75	1414.752	507.284	2.789	0.54%
52	RESDD_18_20.ResCDD80	282.355	453.49	0.623	53.37%
53	RESDD_18_20.ResCDD85	-74.264	417.214	-0.178	85.87%
54					
55	Model Statistics				
56	Adjusted Observations	1096			
57	Deg. of Freedom for Error	1050			
58	R-Squared	0.971			
59	Adjusted R-Squared	0.970			
60	F-Statistic	792			
61	Prob (F-Statistic)	0.0000			
62	Model Sum of Squares	1,682,835,399,053			
63	Sum of Squared Errors	49,551,066,999			
64	Mean Squared Error	47,191,492			
65	Std. Error of Regression	6,869.61			
66	Mean Abs. Dev. (MAD)	5273.67			
67	Mean Abs. % Err. (MAPE)	4.74%			
68	Durbin-Watson Statistic	1.041			
69	Ljung-Box Statistic	1119.08			
70	Prob (Ljung-Box)	0.0000			

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

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Residential Spline (B) Model
Before Corrective Procedures for Autocorrelation



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

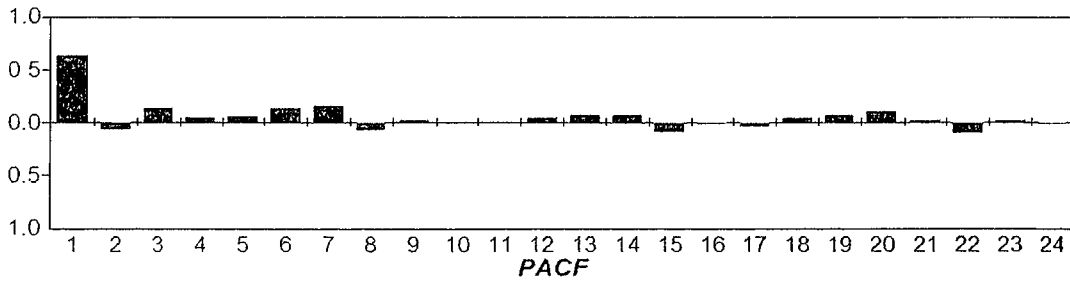
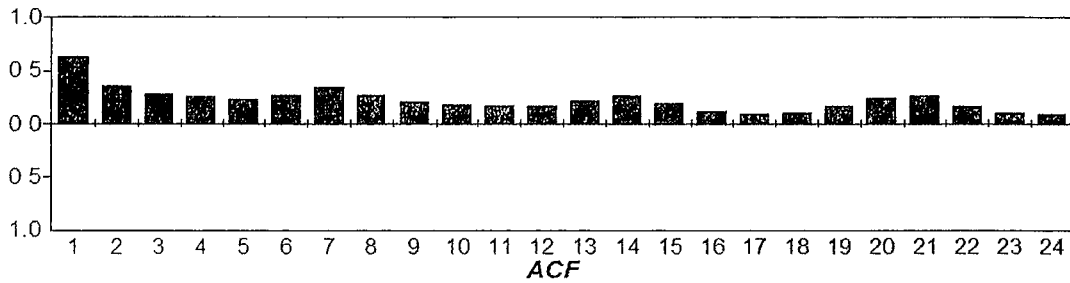
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Secondary Service Less Than or Equal to 10 KW Spine (B)			
2	Before Corrective Procedures for Autocorrelation				
3	Dependent Variable:	GSSDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	Std Error	T-Stat	P-Value
8	CONST	4541.191	41.449	109.562	0.00%
9	Calendar_18_20.DLSav	-135.194	39.589	-3.415	0.07%
10	Calendar_18_20.Monday	469.848	22.028	21.329	0.00%
11	Calendar_18_20.Tuesday	526.689	21.569	24.419	0.00%
12	Calendar_18_20.Wednesday	567.097	21.574	26.286	0.00%
13	Calendar_18_20.Thursday	577.368	21.666	26.649	0.00%
14	Calendar_18_20.Friday	530.527	21.849	24.281	0.00%
15	Calendar_18_20.Saturday	193.608	21.483	9.012	0.00%
16	Calendar_18_20.MLK	143.982	113.557	1.268	20.51%
17	Calendar_18_20.PresDay	-181.139	113.047	-1.602	10.94%
18	Calendar_18_20.GoodFr	-148.032	112.399	-1.317	18.81%
19	Calendar_18_20.MemDay	-382.758	112.64	-3.398	0.07%
20	Calendar_18_20.July4th	-397.882	111.928	-3.555	0.04%
21	Calendar_18_20.LaborDay	-396.667	112.447	-3.528	0.05%
22	Calendar_18_20.Thanks	-453.165	112.534	-4.027	0.01%
23	Calendar_18_20.FriAThanks	-139.096	112.734	-1.234	21.75%
24	Calendar_18_20.XMasWkB4	-185.521	126.881	-1.462	14.40%
25	Calendar_18_20.XMasEve	-360.584	115.909	-3.111	0.19%
26	Calendar_18_20.XMasDay	-545.719	116.518	-4.684	0.00%
27	Calendar_18_20.XMasWk	-288.174	135.02	-2.134	3.30%
28	Calendar_18_20.NYEve	-10.438	116.03	-0.09	92.83%
29	Calendar_18_20.NYDay	-575.774	114.588	-5.025	0.00%
30	Calendar_18_20.XMasLights	4.842	2.621	1.847	6.51%
31	DayTypeVars.Feb	60.701	29.47	2.06	3.97%
32	DayTypeVars.Mar	-205.938	41.353	-4.98	0.00%
33	DayTypeVars.Apr	-454.627	50.053	-9.083	0.00%
34	DayTypeVars.May	-370.809	53.288	-6.959	0.00%
35	DayTypeVars.Jun	-166.909	56.616	-2.948	0.33%
36	DayTypeVars.Jul	-98.947	58.731	-1.685	9.23%
37	DayTypeVars.Aug	-12.762	58.747	-0.217	82.81%
38	DayTypeVars.Sep	-88.074	54.537	-1.615	10.66%
39	DayTypeVars.Oct	-108.051	50.07	-2.158	3.11%
40	DayTypeVars.Nov	-243.462	30.726	-7.924	0.00%
41	DayTypeVars.Dec	-98.327	43.576	-2.256	2.42%
42	DayTypeVars.TimeTrend	-100.1	7.11	-14.078	0.00%
43	GSSDD_18_20.GSSHDD40	17.806	12.975	1.372	17.03%
44	GSSDD_18_20.GSSHDD45	27.303	16.797	1.625	10.44%
45	GSSDD_18_20.GSSHDD50	-2.046	16.268	-0.126	89.99%
46	GSSDD_18_20.GSSHDD55	10.078	14.694	0.686	49.29%
47	GSSDD_18_20.GSSHDD60	25.372	14.365	1.766	7.77%
48	GSSDD_18_20.GSSHDD65	-0.264	8.082	-0.033	97.40%
49	GSSDD_18_20.GSSCDD65	18.868	8.42	2.241	2.52%
50	GSSDD_18_20.GSSCDD70	23.28	14.73	1.58	11.43%
51	GSSDD_18_20.GSSCDD75	58.741	13.942	4.213	0.00%
52	GSSDD_18_20.GSSCDD80	2.485	12.57	0.198	84.33%
53	GSSDD_18_20.GSSCDD85	-13.255	11.887	-1.115	26.51%
54					
55	Model Statistics				
56	Adjusted Observations	1096			
57	Deg. of Freedom for Error	1050			
58	R-Squared	0.924			
59	Adjusted R-Squared	0.920			
60	F-Statistic	282			
61	Prob (F-Statistic)	0.0000			
62	Model Sum of Squares	454048581			
63	Sum of Squared Errors	37599309			
64	Mean Squared Error	35809			
65	Std. Error of Regression	189.23			
66	Mean Abs. Dev. (MAD)	147.38			
67	Mean Abs. % Err. (MAPE)	2.93%			
68	Durbin-Watson Statistic	0.721			
69	Ljung-Box Statistic	1762.21			
70	Prob (Ljung-Box)	0.0000			

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

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Secondary Service Less Than or Equal to 10 KW Spline (B) Model
Before Corrective Procedures for Autocorrelation



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

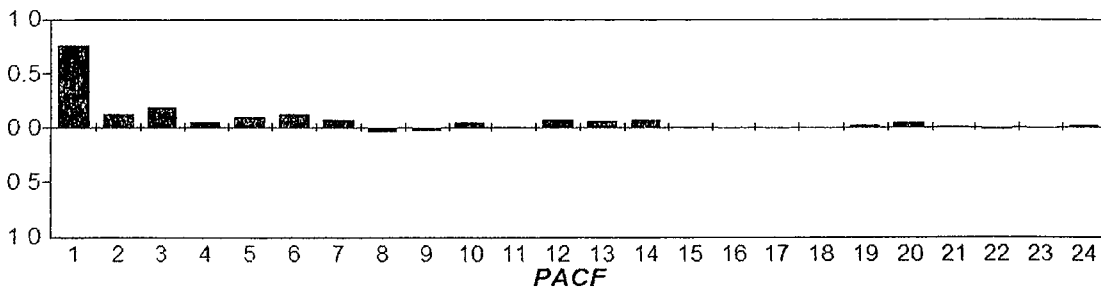
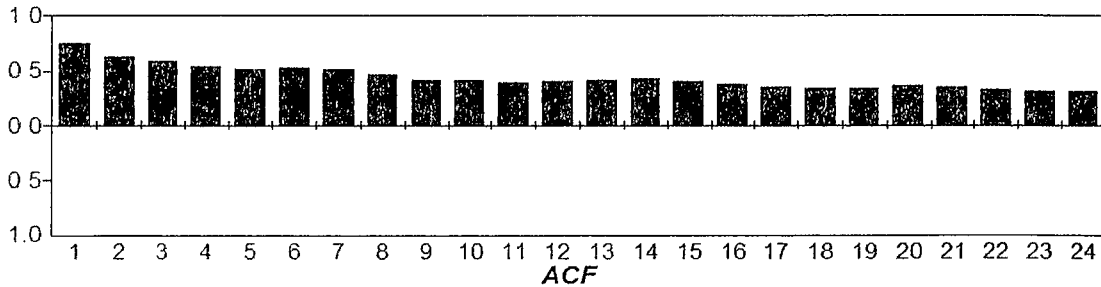
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Secondary Service Greater Than 10 KW Spline (B)			
2	Before Corrective Procedures for Autocorrelation				
3	Dependent Variable:	GSLMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable, Coefficient, Standard Error, t-Statistic, P-Value				
8	CONST	102794.082	1064.329	96.581	0.00%
9	Calendar_18_20.DLSav	-4706.226	1050.701	-4.479	0.00%
10	Calendar_18_20.Monday	21083.129	584.9	36.046	0.00%
11	Calendar_18_20.Tuesday	22313.449	572.714	38.961	0.00%
12	Calendar_18_20.Wednesday	23037.726	572.853	40.216	0.00%
13	Calendar_18_20.Thursday	23009.116	575.304	39.995	0.00%
14	Calendar_18_20.Friday	20787.503	580.169	35.83	0.00%
15	Calendar_18_20.Saturday	5664.535	570.289	9.933	0.00%
16	Calendar_18_20.MLK	-2060.805	3028.757	-0.68	49.64%
17	Calendar_18_20.PresDay	-7683.999	3000.452	-2.561	1.06%
18	Calendar_18_20.GoodFri	-7735.848	2981.213	-2.595	0.96%
19	Calendar_18_20.MemDay	-19266.362	2989.689	-6.444	0.00%
20	Calendar_18_20.July4th	-21475.619	2970.608	-7.229	0.00%
21	Calendar_18_20.LaborDay	-22389.184	2984.677	-7.501	0.00%
22	Calendar_18_20.Thanks	-28313.152	2987.771	-9.476	0.00%
23	Calendar_18_20.FnAThanks	-17876.296	2989.747	-5.979	0.00%
24	Calendar_18_20.XMasWkB4	-4183.768	3362.763	-1.244	21.37%
25	Calendar_18_20.XMasEve	-19620.163	3076.967	-6.376	0.00%
26	Calendar_18_20.XMasDay	-29934.163	3091.792	-9.682	0.00%
27	Calendar_18_20.XMasWk	-17175.835	3583.145	-4.794	0.00%
28	Calendar_18_20.NYEve	-12527.004	3080.014	-4.067	0.01%
29	Calendar_18_20.NYDay	-27638.637	3032.304	-9.115	0.00%
30	Calendar_18_20.XMasLights	244.402	69.514	3.516	0.05%
31	DayTypeVars.Feb	-3101.054	782.587	-3.963	0.01%
32	DayTypeVars.Mar	-3647.127	1096.725	-3.325	0.09%
33	DayTypeVars.Apr	-1593.995	1326.505	-1.202	22.98%
34	DayTypeVars.May	275.311	1410.228	0.195	84.53%
35	DayTypeVars.Jun	1884.986	1496.485	1.26	20.81%
36	DayTypeVars.Jul	3841.665	1552.284	2.475	1.35%
37	DayTypeVars.Aug	6815.985	1550.549	4.396	0.00%
38	DayTypeVars.Sep	6166.971	1445.111	4.267	0.00%
39	DayTypeVars.Oct	5381.316	1327.812	4.053	0.01%
40	DayTypeVars.Nov	-2556.247	815.673	-3.134	0.18%
41	DayTypeVars.Dec	-4324.45	1155.598	-3.742	0.02%
42	DayTypeVars.TimeTrend	-4016.61	188.974	-21.255	0.00%
43	GSLDD_18_20.GSLHDD40	65.032	341.454	0.19	84.90%
44	GSLDD_18_20.GSLHDD45	420.41	446.718	0.941	34.69%
45	GSLDD_18_20.GSLHDD50	166.983	436.694	0.382	70.23%
46	GSLDD_18_20.GSLHDD55	648.666	395.887	1.639	10.16%
47	GSLDD_18_20.GSLHDD60	-61.245	214	-0.286	77.48%
48	GSLDD_18_20.GSLCDD60	669.258	217.926	3.071	0.22%
49	GSLDD_18_20.GSLCDD65	84.596	396.7	0.213	83.12%
50	GSLDD_18_20.GSLCDD70	1515.383	394.02	3.846	0.01%
51	GSLDD_18_20.GSLCDD75	119.063	370.221	0.322	74.78%
52	GSLDD_18_20.GSLCDD80	188.314	331.609	0.568	57.02%
53	GSLDD_18_20.GSLCDD85	-711.04	302.491	-2.351	1.89%
54					
55	Model Statistics				
56	Adjusted Observations	1096			
57	Deg. of Freedom for Error	1050			
58	R-Squared	0.950			
59	Adjusted R-Squared	0.948			
60	F-Statistic	446			
61	Prob (F-Statistic)	0.0000			
62	Model Sum of Squares	505903153790			
63	Sum of Squared Errors	26489147849			
64	Mean Squared Error	25227760			
65	Std. Error of Regression	5,022.72			
66	Mean Abs. Dev. (MAD)	3966.02			
67	Mean Abs. % Err. (MAPE)	3.28%			
68	Durbin-Watson Statistic	0.484			
69	Ljung-Box Statistic	5514.37			
70	Prob (Ljung-Box)	0.0000			

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

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Secondary Service Greater Than 10 KW Spline (B) Model
Before Corrective Procedures for Autocorrelation



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

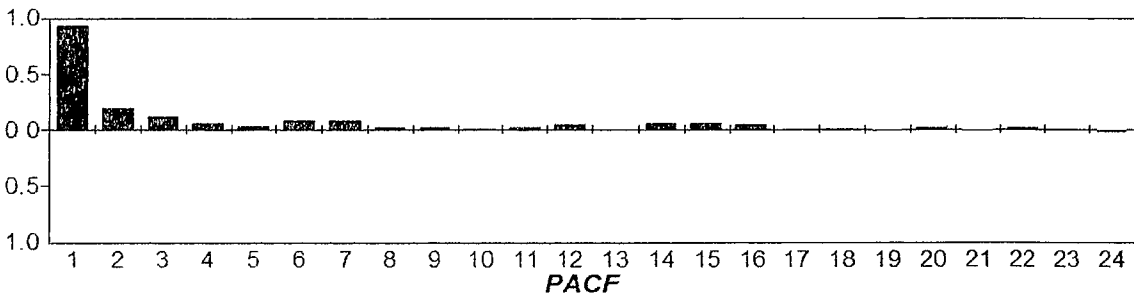
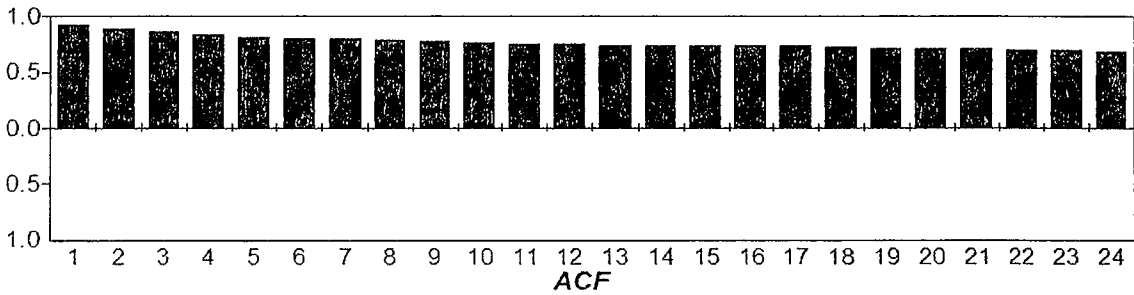
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model: Primary Service Greater Than 10 KW Distribution Spline (B)				
2	Before Corrective Procedures for Autocorrelation				
3	Dependent Variable: GPLDMWH				
4	Estimation Begin Date: January 1, 2018				
5	Estimation End Date: December 31, 2020				
6					
7	Variable	Coefficient	StdErr	T-Stat	P-Value
8	CONST	37922.133	287.731	131.797	0.00%
9	Calendar_18_20.DLSav	-279.29	394.923	-0.707	47.96%
10	Calendar_18_20.Monday	2537.005	220.124	11.525	0.00%
11	Calendar_18_20.Tuesday	3067.925	215.197	14.256	0.00%
12	Calendar_18_20.Wednesday	3096.092	215.53	14.365	0.00%
13	Calendar_18_20.Thursday	3139.14	216.752	14.483	0.00%
14	Calendar_18_20.Friday	2934.282	218.102	13.454	0.00%
15	Calendar_18_20.Saturday	1134.557	214.827	5.281	0.00%
16	Calendar_18_20.MLK	-493.189	1122.713	-0.439	66.06%
17	Calendar_18_20.PresDay	379.532	1127.9	0.336	73.66%
18	Calendar_18_20.GoodFri	-848.594	1126.285	-0.753	45.13%
19	Calendar_18_20.MemDay	-2936.245	1124.745	-2.611	0.92%
20	Calendar_18_20.July4th	-3440.589	1116.385	-3.082	0.21%
21	Calendar_18_20.LaborDay	-2947.651	1125.303	-2.619	0.89%
22	Calendar_18_20.Thanks	-4825.02	1124.667	-4.29	0.00%
23	Calendar_18_20.FriAThanks	-4514.608	1124.25	-4.016	0.01%
24	Calendar_18_20.XMasWkB4	1040.712	1260.543	0.826	40.92%
25	Calendar_18_20.XMasEve	-4258.419	1158.488	-3.676	0.03%
26	Calendar_18_20.XMasDay	-6039.899	1157.439	-5.218	0.00%
27	Calendar_18_20.XMasWk	-3803.85	1343.876	-2.831	0.47%
28	Calendar_18_20.NYEve	-2959.834	1158.474	-2.555	1.08%
29	Calendar_18_20.NYDay	-4986.285	1114.56	-4.474	0.00%
30	Calendar_18_20.XMasLights	9.948	26.009	0.382	70.22%
31	DayTypeVars.Feb	390.894	293.288	1.333	18.29%
32	DayTypeVars.Mar	2.654	408.545	0.006	99.48%
33	DayTypeVars.Apr	73.606	499.964	0.147	88.30%
34	DayTypeVars.May	-1189.158	531.367	-2.238	2.54%
35	DayTypeVars.Jun	90.302	564.162	0.16	87.29%
36	DayTypeVars.Jul	275.174	582.765	0.472	63.69%
37	DayTypeVars.Aug	549.004	584.405	0.939	34.77%
38	DayTypeVars.Sep	769.055	538.479	1.428	15.35%
39	DayTypeVars.Oct	-495.125	497.968	-0.994	32.03%
40	DayTypeVars.Nov	-702.746	304.411	-2.309	2.11%
41	DayTypeVars.Dec	-1377.677	432.219	-3.187	0.15%
42	DayTypeVars.TimeTrend	-145.093	70.39	-2.061	3.95%
43	GPDDD_18_20.GPDCDD55	-19.982	59.808	-0.334	73.84%
44	GPDDD_18_20.GPDCDD60	184.111	132.763	1.387	16.58%
45	GPDDD_18_20.GPDCDD65	-231.309	148.672	-1.556	12.01%
46	GPDDD_18_20.GPDCDD70	265.477	102.916	2.58	1.00%
47	GPDDD_18_20.GPDCDD80	-159.161	87.293	-1.823	6.85%
48	GPDDD_18_20.GPDCDD85	144.22	113.475	1.271	20.40%
49					
50	Model Statistics				
51	Adjusted Observations	1096			
52	Deg. of Freedom for Error	1055			
53	R-Squared	0.539			
54	Adjusted R-Squared	0.522			
55	F-Statistic	31			
56	Prob (F-Statistic)	0.0000			
57	Model Sum of Squares	4424963451			
58	Sum of Squared Errors	3784498564			
59	Mean Squared Error	3587202			
60	Std. Error of Regression	1,893.99			
61	Mean Abs. Dev. (MAD)	1571.23			
62	Mean Abs. % Err. (MAPE)	3.90%			
63	Durbin-Watson Statistic	0.141			
64	Ljung-Box Statistic	15907.82			
65	Prob (Ljung-Box)	0.0000			

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

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Primary Service Greater Than 10 KW Distribution Spline (B) Model
Before Corrective Procedures for Autocorrelation



**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: D. E. NELSON

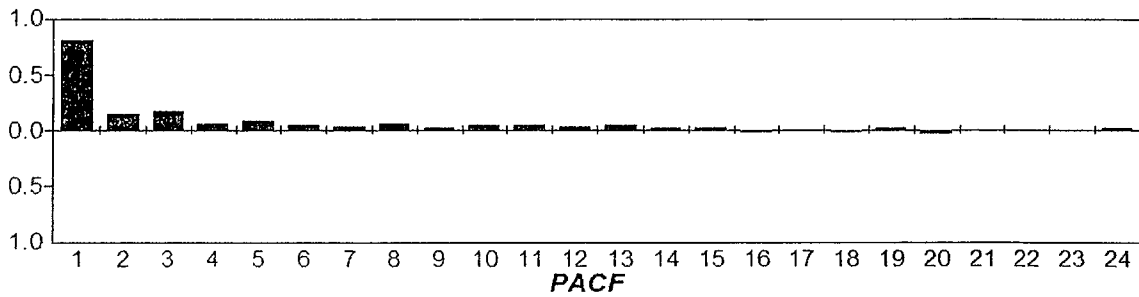
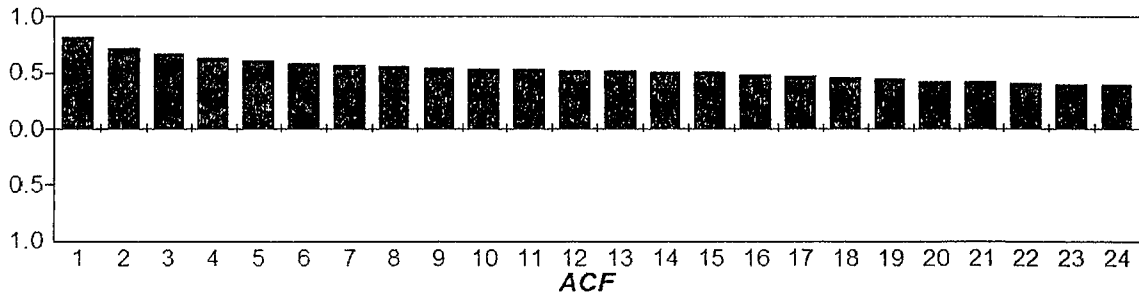
Line No.	(a)	(b)	(c)	(d)	(e)
1	Model:	Substation Spine (B)			
2	Before Corrective Procedures for Autocorrelation				
3	Dependent Variable:	SUBSDMWH			
4	Estimation Begin Date:	January 1, 2018			
5	Estimation End Date:	December 31, 2020			
6					
7	Variable	Coefficient	Std. Error	t-Statistic	P-Value
8	CONST	8530.227	60.133	106.45	0.00%
9	Calendar_18_20.DLSav	-177.639	108.048	-1.644	10.05%
10	Calendar_18_20.Monday	228.013	60.324	3.78	0.02%
11	Calendar_18_20.Tuesday	225.928	58.978	3.831	0.01%
12	Calendar_18_20.Wednesday	222.109	59.006	3.764	0.02%
13	Calendar_18_20.Thursday	221.245	59.401	3.725	0.02%
14	Calendar_18_20.Friday	240.025	59.688	4.021	0.01%
15	Calendar_18_20.Saturday	104.626	58.81	1.779	7.55%
16	Calendar_18_20.MLK	-49.813	307.25	-0.162	87.12%
17	Calendar_18_20.PresDay	-159.153	308.518	-0.516	60.61%
18	Calendar_18_20.GoodFri	136.892	308.778	0.443	65.76%
19	Calendar_18_20.MemDay	-186.643	307.926	-0.606	54.46%
20	Calendar_18_20.July4th	-310.863	305.226	-1.018	30.87%
21	Calendar_18_20.LaborDay	-178.51	307.957	-0.58	56.23%
22	Calendar_18_20.Thanks	-25.697	307.867	-0.083	93.35%
23	Calendar_18_20.FriAThanks	-106.809	308.657	-0.346	72.94%
24	Calendar_18_20.XMasWkB4	-324.211	345.636	-0.938	34.84%
25	Calendar_18_20.XMasEve	-438.949	317.047	-1.384	16.65%
26	Calendar_18_20.XMasDay	-820.971	317.731	-2.584	0.99%
27	Calendar_18_20.XMasWk	-758.582	367.998	-2.061	3.95%
28	Calendar_18_20.NYEve	-342.409	317.308	-1.079	28.08%
29	Calendar_18_20.NYDay	-721.224	305.224	-2.363	1.83%
30	Calendar_18_20.XMasLights	-3.892	7.113	-0.547	58.44%
31	DayTypeVars.Feb	305.936	80.38	3.806	0.02%
32	DayTypeVars.Mar	291.93	113.194	2.579	1.00%
33	DayTypeVars.Apr	528.623	138.213	3.825	0.01%
34	DayTypeVars.May	-28.785	146.426	-0.197	84.42%
35	DayTypeVars.Jun	82.196	155.224	0.53	59.66%
36	DayTypeVars.Jul	245.839	160.12	1.535	12.50%
37	DayTypeVars.Aug	778.544	160.716	4.844	0.00%
38	DayTypeVars.Sep	859.372	148.145	5.801	0.00%
39	DayTypeVars.Oct	631.748	137.183	4.605	0.00%
40	DayTypeVars.Nov	541.044	83.955	6.444	0.00%
41	DayTypeVars.Dec	450.297	118.229	3.809	0.02%
42	DayTypeVars.TimeTrend	1569.099	19.236	81.569	0.00%
43	GSBDD_18_20.GSBCDD50	39.723	16.162	2.458	1.41%
44	GSBDD_18_20.GSBCDD55	-16.165	35.002	-0.462	64.43%
45	GSBDD_18_20.GSBCDD60	-26.697	42.249	-0.632	52.76%
46	GSBDD_18_20.GSBCDD65	30.846	43.975	0.701	48.32%
47	GSBDD_18_20.GSBCDD70	-4.173	41.615	-0.1	92.01%
48	GSBDD_18_20.GSBCDD75	32.591	37.37	0.872	38.33%
49	GSBDD_18_20.GSBCDD80	14.591	33.728	0.433	66.54%
50	GSBDD_18_20.GSBCDD85	-64.886	31.959	-2.03	4.26%
51					
52	Model Statistics:				
53	Adjusted Observations	1096			
54	Deg. of Freedom for Error	1053			
55	R-Squared	0.898			
56	Adjusted R-Squared	0.894			
57	F-Statistic	221			
58	Prob (F-Statistic)	0.0000			
59	Model Sum of Squares	2493154058			
60	Sum of Squared Errors	282797731			
61	Mean Squared Error	268564			
62	Std. Error of Regression	518.23			
63	Mean Abs. Dev. (MAD)	410.30			
64	Mean Abs. % Err. (MAPE)	3.09%			
65	Durbin-Watson Statistic	0.370			
66	Ljung-Box Statistic	7742.65			
67	Prob (Ljung-Box)	0.0000			

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADJUSTED WEATHER STATION DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

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Substation Spline (B) Model
Before Corrective Procedures for Autocorrelation



PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
ADDITIONAL WEATHER INFORMATION
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

There are no supporting workpapers for Schedule II-H-5.3.

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number	Description	Reference Schedule	TRAN	DIST	MET	TDCS	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)
1		Intangible Plant - Gross	II-B-1					
2	A301	Organization		\$ -	\$ -	\$ -	\$ -	-
3	A302	Franchise & Consents		-	-	-	-	-
4	A303	Miscellaneous Intangible Plant		247,306,021	323,333,373	185,301,713	310,409,175	1,066,350,281
5		Intangible plant - Accumulated Depreciation	II-B-5					
6	A301	Organization		\$ -	\$ -	\$ -	\$ -	-
7	A302	Franchise and Consents		-	-	-	-	-
8	A303	Miscellaneous Intangible Plant		99,337,446	114,122,848	155,161,423	84,146,160	452,767,876
9		Transmission Plant - Gross	II-B-1					
10	A349	Land Owned in Fee		\$ 115,906,329	\$ -	\$ -	\$ -	115,906,329
11	A350	Land and Land Rights		615,926,404	-	-	-	615,926,404
12	A352	Structures and Improvements		420,045,891	-	-	-	420,045,891
13	A353	Station Equipment		3,495,298,428	381,860,651	-	-	3,877,159,079
14	A354	Towers and Fixtures		1,929,652,755	-	-	-	1,929,652,755
15	A355	Poles and Fixtures		2,870,770,311	-	-	-	2,870,770,311
16	A356	Overhead Conductors and Devices		3,044,581,320	-	-	-	3,044,581,320
17	A357	Underground Conduit		60,197,135	-	-	-	60,197,135
18	A358	Underground Conductors and Devices		84,097,343	-	-	-	84,097,343
19	A359	Roads and Trails		-	-	-	-	-
20		Transmission Plant - Accumulated Depreciation	II-B-5					
21	A349	Land Owned in Fee		\$ -	\$ -	\$ -	\$ -	-
22	A350	Land and Land Rights		106,785,501	-	-	-	106,785,501
23	A352	Structures and Improvements		128,057,113	-	-	-	128,057,113
24	A353	Station Equipment		693,046,475	97,170,477	-	-	790,216,952
25	A354	Towers and Fixtures		467,580,047	-	-	-	467,580,047
26	A355	Poles and Fixtures		664,853,703	-	-	-	664,853,703
27	A356	Overhead Conductors and Devices		978,999,051	-	-	-	978,999,051
28	A357	Underground Conduit		19,336,448	-	-	-	19,336,448
29	A358	Underground Conductors and Devices		33,548,402	-	-	-	33,548,402
30	A359	Roads and Trails		-	-	-	-	-
1		Distribution Plant - Gross	II-B-1					
2	A360	Land and Land Rights		\$ 1,320,895	\$ 23,046,028	\$ -	\$ -	24,366,923

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
3	A361	Structures and Improvements		69,201,900	137,062,053	-	-	206,263,953
4	A362	Station Equipment		610,270,400	1,760,200,030	-	-	2,370,470,429
5	A363	Storage Battery Equipment		-	-	-	-	-
6	A364	Poles, Towers & Fixtures-Total		-	2,678,358,261	-	-	2,678,358,261
7	A365	O.H. Conductors & Devices-Total		-	1,675,410,858	-	-	1,675,410,858
8	A366	Underground Conduits-Total		-	1,082,118,478	-	-	1,082,118,478
9	A367	U.G. Conductors & Devices-Total		-	2,553,927,528	-	-	2,553,927,528
10	A368	Line Transformers-Total		-	2,493,077,762	-	-	2,493,077,762
11	A369	Services		-	1,652,238,990	-	-	1,652,238,990
12	A370	Meters		-	-	574,147,483	-	574,147,483
13	A371	Installations on Customers' Premises		-	54,631,097	-	-	54,631,097
14	A372	Leased Property on Customers' Premises		-	-	-	-	-
15	A373	Street Lighting and Signal Systems		-	437,403,826	-	-	437,403,826
16	A374	Land Owned in Fee		24,640,358	71,344,821	-	-	95,985,179
17	Distribution Plant - Accumulated Depreciation			II-B-5				
18	A360	Land and Land Rights		\$ 238,775	\$ 9,695,344	\$ -	\$ -	9,934,119
19	A361	Structures and Improvements		18,051,484	41,745,978	-	-	59,797,462
20	A362	Station Equipment		122,722,868	463,683,929	-	-	586,406,796
21	A363	Storage Battery Equipment		-	-	-	-	-
22	A364	Poles, Towers & Fixtures-Total		-	1,107,719,584	-	-	1,107,719,584
23	A365	O.H. Conductors & Devices-Total		-	635,328,009	-	-	635,328,009
24	A366	Underground Conduits-Total		-	452,193,524	-	-	452,193,524
25	A367	U.G. Conductors & Devices-Total		-	578,041,306	-	-	578,041,306
26	A368	Line Transformers-Total		-	743,686,994	-	-	743,686,994
27	A369	Services		-	1,097,314,113	-	-	1,097,314,113
28	A370	Meters		-	-	336,239,857	-	336,239,857
29	A371	Installations on Customers' Premises		-	75,069,053	-	-	75,069,053
30	A372	Leased Property on Customers' Premises		-	-	-	-	-
31	A373	Street Lights		-	372,032,657	-	-	372,032,657
1	General Plant - Gross			II-B-2				
2	A388	Land Owned in Fee		\$ 7,795,889	\$ 19,410,066	\$ 3,908,190	\$ 2,557,941	33,672,086
3	A389	Land and Land Rights		60,494	78,749	3,343	12	142,598
4	A390	Structures and Improvements		80,530,915	141,498,136	24,868,885	13,542,694	260,440,631
5	A391	Office Furniture & Equip		77,149,138	96,093,234	66,950,478	84,000,108	324,192,958
6	A392	Transportation Equipment		10,146,633	12,716,429	-	-	22,863,062

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)	
7	A393	Stores Equipment	II-B-3	1,193,182	3,228,206	575,149	-	4,996,537	
8	A394	Tools, Shop and Garage Equipment		14,877,076	25,982,536	2,568,972	-	43,428,585	
9	A395	Laboratory Equipment		30,439,016	17,734,119	3,737,189	-	51,910,324	
10	A396	Power Operated Equipment		4,340,671	7,626,625	930,590	-	12,897,886	
11	A397	Communication Equipment		81,760,693	61,337,953	45,688,861	1,554,894	190,342,402	
12	A398	Miscellaneous Equipment		5,820,094	5,763,894	1,183,826	-	12,767,814	
13	A399	Other Tangible Property		-	-	-	-	-	
14	General Plant - Accumulated Depreciation								
15	A388	Land Owned in Fee			\$ -	\$ -	\$ -	\$ -	-
16	A389	Land and Land Rights			10,108	13,158	559	2	23,827
17	A390	Structures and Improvements			6,701,895	11,904,359	2,097,790	1,141,162	21,845,206
18	A391	Office Furniture & Equip			33,976,470	43,244,355	37,302,658	40,970,025	155,493,509
19	A392	Transportation Equipment			1,936,739	2,889,835	-	-	4,826,574
20	A393	Stores Equipment		237,481	642,516	114,473	-	994,470	
21	A394	Tools, Shop and Garage Equipment		5,850,180	10,062,139	959,169	-	16,871,489	
22	A395	Laboratory Equipment		4,825,933	2,811,644	592,510	-	8,230,086	
23	A396	Power Operated Equipment		1,344,997	2,373,054	289,557	-	4,007,608	
24	A397	Communication Equipment		11,568,805	7,510,868	42,151,878	274,004	61,505,556	
25	A398	Miscellaneous Equipment		574,285	565,246	116,094	-	1,255,625	
26	A399	Other Tangible Property		-	-	-	-	-	
1	Other Rate Base Items								
2	107	CWIP	II-B-4	\$ -	\$ -	\$ -	\$ -	-	
3	105	Plant Held for Future Use	II-B-6	21,469,068	1,745,979	-	-	23,215,048	
4	154	Plant Materials & Operating Supplies	II-B-8	70,696,777	64,325,003	91,069	-	135,112,849	
5	163	Stores Expense Undistributed	II-B-8	6,545,776	10,365,402	14,714	-	16,925,892	
6		Cash Working Capital	II-B-9	(56,535,862)	(16,695,372)	273,939	141,340	(72,815,955)	
7	165	Prepayments	II-B-10	10,576,723	100,121,672	3,524,809	930,192	115,153,396	
8	114	Electric Plant Acquisition Adj	II-B-11	24,173,335	(2,266,261)	-	-	21,907,074	
9	235	Customer Deposits	II-B-11	-	(162,100)	-	-	(162,100)	
10	283	Deferred Margin Tax	II-B-11	-	-	(668,324)	-	(668,324)	
11		ADIT & FAS 109 Accts	II-E-3.5	1,082,782,265	1,132,059,196	36,656,474	85,810,289	2,337,308,223	
1	Non-Tax Related Regulatory Assets								
2	189	Unamortized Losses - Reacquired Debt	II-B-12	\$ -	\$ -	\$ -	\$ -	-	

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
3	182	Rocky Mound Series Compensator		1,518,898	-	-	-	1,518,898
4	182	Deferred Mobile Generator Costs HB 2483 & PURA § 39.918		-	26,088	-	-	26,088
5	182	COVID19-Incremental Expense Dkt 50664		3,006,613	28,752,062	1,579,204	1,280,748	34,618,626
6	182	Deferred Pension Costs (a)		36,117,771	105,257,010	25,202,870	6,400,180	172,977,830
7	182	Deferred Pension Costs (b)		(3,840,350)	(10,594,886)	(2,888,676)	(116,244)	(17,440,156)
8	182	Deferred Other Post-Employment Benefit Costs (a)		3,928,762	11,449,481	2,741,478	696,189	18,815,910
9	182	Pension & OPEB Reg Asset-ONCOR (GAAP)		-	-	-	-	-
10	182	CWIP Tran & Dist Non-Service Cost Pension/OPEBs (GAAP)		-	-	-	-	-
11	182	Plant in service Tran & Dist Non-Service Cost Pension/OPEBs		-	-	-	-	-
12	186	Rate Case Expenses - AMS (a)		-	-	80,080	-	80,080
13	186	Rate Case Expenses - Non-std Metering Tariff (Dkt 41890)		-	-	-	-	-
14	186	Rate Case Expenses - Final AMS Rec Dkt 49721		-	178,483	-	-	178,483
15	186	Rate Case Expenses - 2018 DCRF Dkt 48231		-	304,616	-	-	304,616
16	186	Rate Case Expenses - 2019 DCRF Dkt 49427		-	167,728	-	-	167,728
17	186	Rate Case Expenses - 2021 DCRF Dkt 51996		-	215,521	-	-	215,521
18	186	Rate Case Expenses - 2017 ED DOCKET 46957 (c)		-	586,173	-	-	586,173
19	186	Rate Case Expenses - 2018 TCJA Dkt 48325		-	334,785	-	-	334,785
20	186	Rate Case Expenses - Test Year 2021 Base Rate Case		-	6,700,000	-	-	6,700,000
21	182	Wholesale Distribution Substation Service		-	75,267,069	-	-	75,267,069
22	182	Sharyland Residential Interim Rate		-	627,363	-	-	627,363
23	182	Study Costs/Transition to Comp - NTU		1,716,330	-	-	-	1,716,330
24	182	PowerLineSafetyAct PURA 36 066		6,900,192	613,208	-	-	7,513,400
25	182	Reg Asset - Defaulted REPs		-	-	-	8,358,754	8,358,754
26	182	Deferred AMS Expense (a)		-	-	59,201	-	59,201
27	182	Deferred Customer Education - AMS (a)		-	-	524,869	-	524,869
28	182	Under-Recovered AMS (d)		-	-	127,299,791	-	127,299,791
29	182	Energy Efficiency Performance Bonus		-	-	-	-	-
30	182	TCRF Update 16 TAC 25 193		-	-	-	-	-
31	186	Workers Compensation		-	-	-	-	-
32	186	Self Insurance Reserve (a)		1,332,944	221,954,256	-	-	223,287,200
33	186	Self Insurance Reserve (b)		24,454,562	340,803,895	-	-	365,258,457
34	Non-Tax Related Regulatory Liabilities							
35	254	Estimated net removal costs (GAAP)	II-B-12	\$ -	\$ -	\$ -	\$ -	-
36	228, 254	Energy Efficiency incl Unbilled Deferral		-	-	-	-	-
37	254	Over-amortization of intangible investment		(163,118)	(13,373,825)	-	-	(13,536,943)

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
38	254	TCRF Unbilled Revenue Deferral (GAAP)		-	-	-	-	-
39	254	AMS Unbilled Revenue Deferral (GAAP)		-	-	-	-	-
40	254	Capital structure refund Dkt 48522 (over-refund)		-	81,644	-	-	81,644
41	254	FIT refund - rate Dkt 48325 (over-refund)		-	2,368,303	-	-	2,368,303
42	254	Interest-rate savings Dkt 47675 & 52545		-	-	-	-	-
43	254	Docket No 46957 Rider RCE (over-collection) ©		-	(254,178)	-	-	(254,178)
44	254	Deferred OPEB Cost (b)		(8,651,531)	(23,868,136)	(6,507,603)	(261,874)	
45	257	Unamortized Gains - Reacquired Debt		-	-	-	-	-

1 Tax Related Regulatory Assets II-B-12

2	182	FAS 109-EPIS-Basis Differences		\$ -	\$ -	\$ -	\$ -	-
3	182	FAS 109-CWIP-Flow Through		-	-	-	-	-
4	182	Pension/OPEB - Unrecognized Exp		-	-	-	-	-
5	182	Unrecognized Exp - Gross-up		-	-	-	-	-
6	182	Unprotected Excess DFIT Asset		29,836,853	56,462,358	16,213,241	5,700,191	108,212,644
7	182	Unprotected Excess Asset Grossup		-	-	-	-	-

10 Tax Related Regulatory Liabilities II-B-12

11	254	FAS109 - Unamortized ITC		\$ -	\$ -	\$ -	\$ -	-
12	254	Unprotected Excess DFIT Liability		(10,576,090)	(67,515,629)	(25,833,189)	(1,945,062)	(105,869,970)
13	254	Unprotected Excess DFIT Liability Grossup		-	-	-	-	-
14	254	Protected Excess DFIT		(471,200,313)	(462,439,967)	(15,727,007)	(13,411,193)	(962,778,480)
15	254	Excess DFIT Grossup		-	-	-	-	-
16	254	Non-protected Plant-related Excess DFIT		(85,081,002)	(91,968,030)	(3,127,718)	(2,667,159)	(182,843,909)
17	254	Excess DFIT Reserve		(217,543)	8,384,714	285,154	243,165	8,695,489
18	254	Excess DFIT Reserve Gross-up		-	-	-	-	-
19	254	Pension/OPEB - FAS 109		-	-	-	-	-
20	254	Pension/OPEB - Gross-up		-	-	-	-	-

22	Rate of Return		II-C	7 0500%	7 0500%	7 0500%	7 0500%	
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1 Transmission Expense - Operation II-D-1

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
2	A560	Operation Supervision and Engineering		\$ 4,337,270	\$ 46,905	\$ 1,929	\$ -	4,386,104
3	A561	Load Dispatching		20,654,844	-	-	-	20,654,844
4	A562	Station Expenses		2,343,140	522,283	-	-	2,865,423
5	A563	Overhead Line Expenses		6,797,121	-	-	-	6,797,121
6	A564	Underground Line Expenses		2,675	-	-	-	2,675
7	A565	Transmission of Electricity by Others		-	1,652,522,021	-	-	1,652,522,021
8	A566	Miscellaneous Transmission Expenses		59,368,005	271,784	-	-	59,639,789
9	A567	Rents		193,255	-	-	-	193,255
10	Transmission Expense - Maintenance							
			II-D-1					
11	A568	Maintenance Supervision and Engineering		\$ 524,192	\$ 85,794	\$ 292	\$ -	610,278
12	A569	Maintenance of Structures		51,814	24	-	-	51,838
13	A570	Maintenance of Station Equipment		8,408,899	179,023	-	-	8,587,922
14	A571	Maintenance of Overhead Lines		22,536,330	4,629	-	-	22,540,959
15	A572	Maintenance of Underground Lines		80	79	-	-	159
16	A573	Maintenance of Miscellaneous Transmission Plant		1,701,271	35,240	-	-	1,736,511
17	Distribution Expense - Operation							
			II-D-1					
18	A580	Operation Supervision and Engineering		\$ (2,246)	\$ 7,329,102	\$ 580,270	\$ 18,446	7,925,572
19	A581	Load Dispatching		-	9,635,578	-	-	9,635,578
20	A582	Station Expenses		199,382	3,847,591	-	-	4,046,973
21	A583	Overhead Line Expenses		202	13,740,292	92,030	-	13,832,524
22	A584	Underground Line Expenses		-	10,071,135	7,712	-	10,078,847
23	A585	Street Lighting and Signal System Expenses		-	827	-	-	827
24	A586	Meter Expenses		-	-	28,413,341	-	28,413,341
25	A587	Customer Installation Expenses		-	1,638,489	1,345	-	1,639,834
26	A588	Miscellaneous Distribution Expenses		210,598	100,499,344	3,498,685	324,704	104,533,332
27	A589	Rents		-	731,384	-	-	731,384
28	Distribution Expense - Maintenance							
			II-D-1					
29	A590	Maintenance Supervision and Engineering		\$ 18,143	\$ 2,100,732	\$ 732,702	\$ -	2,851,577
30	A591	Maintenance of Structures		287	5,772	-	-	6,060
31	A592	Maintenance of Station Equipment		406,240	9,278,485	-	-	9,684,725
32	A593	Maintenance of Overhead Lines		1,418	111,767,839	174,493	-	111,943,750
33	A594	Maintenance of Underground Lines		-	26,516,321	38,016	-	26,554,338
34	A595	Maintenance of Line Transformers		-	5,010,366	229	-	5,010,595
35	A596	Maintenance of Street Lighting and Signal Systems		-	9,632,071	16,033	-	9,648,104
36	A597	Maintenance of Meters		-	(13,076)	16,640,054	-	16,626,978
37	A598	Maintenance of Miscellaneous Distribution Plant		-	2,165,092	38,103	-	2,203,195

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number	Description	Reference Schedule	TRAN	DIST	MET	TDCS	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)
1	Customer Accounts Expenses		II-D-1					
2	A901	Supervision		\$ -	\$ 114	\$ 13,613	\$ 2,051	15,779
3	A902	Meter Reading Expenses		-	-	71,276	-	71,276
4	A903	Customer Records and Collection Expenses		-	10,743	8,608,121	11,172,067	19,790,931
5	A904	Uncollectible Accounts		87,421	(16,240)	-	1,699,838	1,771,019
6	A905	Miscellaneous Customer Account Expenses		-	-	-	-	-
7	Customer Service & Information Expenses							
8	A906	Customer Service and Informational Expenses		\$ -	\$ -	\$ -	\$ -	-
9	A907	Supervision		-	-	-	-	-
10	A908	Customer Assistance Expenses		-	250,688	106,713	235,372	592,773
11	A909	Informational and Instructional Advertising Expenses		-	-	-	-	-
12	A910	Miscellaneous Customer Service and Informational Expenses		-	-	-	-	-
13	Sales Expense							
14	A911	Supervision		\$ -	\$ -	\$ -	\$ -	-
15	A912	Demonstrating and Selling Expenses		-	-	-	-	-
16	A913	Advertising Expenses		-	-	-	-	-
17	A916	Miscellaneous Sales Expenses		-	-	-	-	-
18	A917	Sales Expenses		-	-	-	-	-
19	Administrative & General Expenses		II-D-2					
20	A920	Administrative and General Salaries		\$ 19,675,723	\$ 48,296,109	\$ 13,067,187	\$ 17,818,910	98,857,929
21	A921	Office Supplies and Expenses		3,217,583	4,839,530	1,153,337	1,777,495	10,987,946
22	A922	Admin Expense Transferred - Credit		-	-	-	-	-
23	A923	Outside Services Employed		35,409,869	67,560,500	16,915,521	3,961,484	123,847,374
24	A924	Property Insurance		15,104,002	226,756,416	-	-	241,860,418
25	A925	Injuries and Damages		5,231,224	16,115,667	-	-	21,346,891
26	A926	Employee Pensions and Benefits		32,862,762	45,802,181	16,815,083	7,945,425	103,425,450
27	A928	Regulatory Commission Expenses		376,621	2,262,088	16,016	-	2,654,725
28	A930.1	General Advertising Expenses		-	-	-	151,079	151,079
29	A930.2	Miscellaneous General Expenses		2,027,706	8,232,755	1,946,608	4,918,017	17,125,086
30	A931	Rents		287,631	1,026,552	211,824	128,899	1,654,905
31	A932	Maintenance of General Plant		1,359,446	2,244,967	9,774	4	3,614,191
32	A935	Maintenance of General Plant		513	(10,313)	409	15	(9,375)

1 Transmission Payroll Expense - Operation II-D-3

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number	Description	Reference Schedule	TRAN	DIST	MET	TDCS	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)
2	A560	Operation Supervision and Engineering		\$ 3,890,105	\$ 48,773	\$ -	\$ -	3,938,878
3	A561	Load Dispatching		11,421,318	-	-	-	11,421,318
4	A562	Station Expenses		1,371,648	428,932	-	-	1,800,579
5	A563	Overhead Line Expenses		772,668	-	-	-	772,668
6	A564	Underground Line Expenses		-	-	-	-	-
7	A565	Transmission of Electricity by Others		-	-	-	-	-
8	A566	Miscellaneous Transmission Expenses		20,589,565	152,607	-	-	20,742,172
9	A567	Rents		-	-	-	-	-
10	Transmission Payroll Expense - Maintenance		II-D-3					
11	A568	Maintenance Supervision and Engineering		\$ 468,645	\$ 85,794	\$ -	\$ -	554,439
12	A569	Maintenance of Structures		-	-	-	-	-
13	A570	Maintenance of Station Equipment		3,079,543	70,649	-	-	3,150,191
14	A571	Maintenance of Overhead Lines		2,762,976	4,237	-	-	2,767,213
15	A572	Maintenance of Underground Lines		-	-	-	-	-
16	A573	Maintenance of Miscellaneous Transmission Plant		17,473	1,300	-	-	18,773
17	Distribution Payroll Expense - Operation		II-D-3					
18	A580	Operation Supervision and Engineering		\$ (2,756)	\$ 5,493,451	\$ 544,303	\$ -	6,034,998
19	A581	Load Dispatching		-	9,544,431	-	-	9,544,431
20	A582	Station Expenses		61,035	2,814,414	-	-	2,875,449
21	A583	Overhead Line Expenses		-	1,767,468	91,312	-	1,858,781
22	A584	Underground Line Expenses		-	2,316,833	7,234	-	2,324,068
23	A585	Street Lighting and Signal System Expenses		-	-	-	-	-
24	A586	Meter Expenses		-	-	7,470,972	-	7,470,972
25	A587	Customer Installation Expenses		-	1,272,046	1,210	-	1,273,257
26	A588	Miscellaneous Distribution Expenses		-	42,023,722	1,499,428	764	43,523,913
27	A589	Rents		-	-	-	-	-
28	Distribution Payroll Expense - Maintenance		II-D-3					
29	A590	Maintenance Supervision and Engineering		\$ 4,375	\$ 1,921,339	\$ 704,408	\$ -	2,630,122
30	A591	Maintenance of Structures		-	-	-	-	-
31	A592	Maintenance of Station Equipment		134,900	6,147,661	-	-	6,282,561
32	A593	Maintenance of Overhead Lines		350	36,169,908	58,541	-	36,228,798
33	A594	Maintenance of Underground Lines		-	9,233,427	9,609	-	9,243,035
34	A595	Maintenance of Line Transformers		-	2,162,694	208	-	2,162,902
35	A596	Maintenance of Street Lighting and Signal Systems		-	260,031	4	-	260,035
36	A597	Maintenance of Meters		-	-	12,685,193	-	12,685,193
37	A598	Maintenance of Miscellaneous Distribution Plant		-	87,974	1	-	87,975

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
1	Customer Accounting Payroll		II-D-3					
2	A901	Supervision		\$ -	\$ 114	\$ 9,829	\$ 1,486	11,429
3	A902	Meter Reading Expenses		-	-	-	-	-
4	A903	Customer Records and Collection Expenses		-	10,734	8,003,099	1,248,666	9,262,498
5	A904	Uncollectible Accounts		-	-	-	-	-
6	A905	Miscellaneous Customer Account Expenses		-	-	-	-	-
7	Customer Service & Info. Payroll		II-D-3					
8	A906	Customer Service and Informational Expenses		\$ -	\$ -	\$ -	\$ -	-
9	A907	Supervision		-	-	-	-	-
10	A908	Customer Assistance Expenses		-	-	-	-	-
11	A909	Informational and Instructional Advertising Expenses		-	-	-	-	-
12	A910	Miscellaneous Customer Service and Informational Expenses		-	-	-	-	-
13	Sales Payroll		II-D-3					
14	A911	Supervision		\$ -	\$ -	\$ -	\$ -	-
15	A912	Demonstrating and Selling Expenses		-	-	-	-	-
16	A913	Advertising Expenses		-	-	-	-	-
17	A916	Miscellaneous Sales Expenses		-	-	-	-	-
18	A917	Sales Expenses		-	-	-	-	-
19								
20	Administrative & General Payroll Expenses		II-D-3					
21	A920	Administrative and General Salaries		\$ 19,675,692	\$ 48,295,262	\$ 13,067,164	\$ 17,818,910	98,857,028
22	A921	Office Supplies and Expenses		-	-	-	-	-
23	A922	Admin Expense Transferred - Credit		-	-	-	-	-
24	A923	Outside Services Employed		-	-	-	-	-
25	A924	Property Insurance		-	-	-	-	-
26	A925	Injuries and Damages		-	-	-	-	-
27	A926	Employee Pensions and Benefits		-	-	-	-	-
28	A928	Regulatory Commission Expenses		-	-	-	-	-
29	A930.1	General Advertising Expenses		-	-	-	-	-
30	A930.2	Miscellaneous General Expenses		-	-	-	-	-
31	A931	Rents		-	-	-	-	-
32	A932	Maintenance of General Plant		-	3,118	17	-	3,135
33	A935	Maintenance of General Plant		718,783	1,273,875	213	4	1,992,875
34								
35	Summary of Exclusions from Reporting Period							
36		Legislative Advocacy	II-E-4.2	\$ -	\$ -	\$ -	\$ -	-

2022 RATE CASE
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TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
37		Penalties and Fines	II-E-4.2	-	-	-	-	-
38		Other Exclusions	II-D-4	-	-	-	-	-
39		Social/Recreational/Religious	II-D-4	-	-	-	-	-
40		Political	II-D-4	-	-	-	-	-
1	Depreciation and Amortization Expense		II-E-1					
2	Intangible Plant							
3	A301	Organization		\$ -	\$ -	\$ -	\$ -	-
4	A302	Franchise & Consents		-	-	-	-	-
5	A303	Miscellaneous Intangible Plant		25,229,269	29,112,436	3,894,383	22,267,462	80,503,550
6	Transmission Plant							
7	A350	Land and Land Rights		\$ 6,022,981	\$ -	\$ -	\$ -	6,022,981
8	A352	Structures and Improvements		11,703,427	-	-	-	11,703,427
9	A353	Station Equipment		83,049,191	9,346,418	-	-	92,395,609
10	A354	Towers and Fixtures		37,740,833	-	-	-	37,740,833
11	A355	Poles and Fixtures		89,864,312	-	-	-	89,864,312
12	A356	Overhead Conductors and Devices		82,695,046	-	-	-	82,695,046
13	A357	Underground Conduit		1,056,605	-	-	-	1,056,605
14	A358	Underground Conductors and Devices		1,915,431	-	-	-	1,915,431
15	A359	Roads and Trails		-	-	-	-	-
16	Distribution Plant							
17	A360	Land and Land Rights		\$ 18,273	\$ 292,757	\$ -	\$ -	311,030
18	A361	Structures and Improvements		1,442,476	2,856,984	-	-	4,299,459
19	A362	Station Equipment		12,741,264	36,683,881	-	-	49,425,144
20	A363	Storage Battery Equipment		-	-	-	-	-
21	A364	Poles, Towers & Fixtures-Total		-	95,063,646	-	-	95,063,646
22	A365	O H Conductors & Devices-Total		-	53,354,377	-	-	53,354,377
23	A366	Underground Conduits-Total		-	23,578,854	-	-	23,578,854
24	A367	U G Conductors & Devices-Total		-	56,736,034	-	-	56,736,034
25	A368	Line Transformers-Total		-	56,703,640	-	-	56,703,640
26	A369	Services		-	50,246,720	-	-	50,246,720
27	A370	Meters		-	-	17,195,295	-	17,195,295
28	A371	Installations on Customers' Premises		-	2,390,143	-	-	2,390,143
29	A372	Leased Property on Customers' Premises		-	-	-	-	-
30	A373	Street Lighting and Signal Systems		-	21,013,687	-	-	21,013,687
31	General Plant							

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WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
32	A389	Land and Land Rights		\$ 1,237	\$ 1,611	\$ 68	\$ 0	2,916
33	A390	Structures and Improvements		1,787,386	2,871,490	489,732	269,972	5,418,581
34	A391	Office Furniture & Equip		8,815,814	11,253,948	8,476,614	10,258,436	38,804,811
35	A392	Transportation Equipment		734,899	1,013,263	-	-	1,748,162
36	A393	Stores Equipment		66,491	179,893	32,050	-	278,434
37	A394	Tools, Shop and Garage Equipment		989,704	1,613,751	160,871	-	2,764,326
38	A395	Laboratory Equipment		1,976,031	1,151,258	242,610	-	3,369,899
39	A396	Power Operated Equipment		194,374	479,878	61,488	-	735,739
40	A397	Communication Equipment		5,747,202	3,522,760	289,427	133,407	9,692,796
41	A398	Miscellaneous Equipment		352,649	349,716	71,827	-	774,191
42	A399	Other Tangible Property - Depr		-	-	-	-	-
43	A399	Other Tangible Property - Depletable		-	-	-	-	-
1	Taxes Other than Income Taxes		II-E-2					
2	Payroll-Related							
3		FICA		\$ 3,815,149	\$ 10,525,362	\$ 2,869,720	\$ 115,481	17,325,713
4		FUTA		47,756	131,750	35,921	1,446	216,873
5		SUTA		65,638	181,083	49,372	1,987	298,080
6	Property Related							
7		Ad Valorem		\$ 141,317,044	\$ 132,463,225	\$ 4,504,909	\$ 3,841,558	282,126,736
8	Non-Revenue Related							
9		Texas Gross Margin Tax		\$ 5,047,172	\$ 21,065,901	\$ 1,078,537	\$ 549,068	27,740,679
10		Municipal Franchise Fees		-	283,082,877	-	-	283,082,877
11								
12	Federal Income Taxes		II-E-3					
13	Deductions:							
14		Synchronized Interest		\$ 217,550,016	\$ 218,383,547	\$ 10,153,815	\$ 4,942,245	451,029,623
15		ITC Amortization		580,487	191,148	-	-	771,635
16		Amortization of Protected Excess ADFIT		8,494,637	7,133,575	242,604	206,881	16,077,697
17		Amortization of Non-protected Excess ADFIT		13,164,048	20,604,260	2,549,533	(217,594)	36,100,247
18		Amortization of Excess ADFIT Reserve		43,509	(1,676,943)	(57,031)	(48,633)	(1,739,098)
19		R&D Credit		233,886	253,322	8,615	7,347	503,170
20		Amortization of Organizational Expenditures		28,038	85,706	4,388	2,234	120,366
21								
22								
23								
24		Additions:						

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SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
25		Depreciation Differences		\$ 130,507	\$ 141,353	\$ 4,807	\$ 4,099	280,766
26		Meals & Entertainment		373,833	1,031,344	281,194	11,316	1,697,686
27		Social Club Dues		-	-	-	-	-
28		Commuter Expenses		312,762	862,857	235,256	9,467	1,420,342
29		Employee Compensation Plans		(1,426,489)	(2,460,478)	(815,018)	(267,716)	(4,969,701)
30		FIN 48 Interest		-	-	-	-	-
31		Prior Period Adjustments		-	-	-	-	-
32		Tax Credits						-
33		ITC Amortization		\$ 580,487	\$ 191,148	\$ -	\$ -	771,635
34		Amortization of Protected Excess ADFIT		8,494,637	7,133,575	242,604	206,881	16,077,697
35		Amortization of Non-protected Excess ADFIT		13,164,048	20,604,260	2,549,533	(217,594)	36,100,247
36		Amortization of Excess ADFIT Reserve		43,509	(1,676,943)	(57,031)	(48,633)	(1,739,098)
37		R&D Credit		233,886	253,322	8,615	7,347	503,170
38		ADD:						-
39		Depreciation Differences		\$ 130,507	\$ 141,353	\$ 4,807	\$ 4,099	280,766
40		FIN 48 Interest		-	-	-	-	-
41		Prior period adjustments		-	-	-	-	-
42								-
1		Other Expenses						
2	A431	Interest On Customer Deposits	II-E-4	\$ 22,721	\$ 97	\$ -	\$ -	22,818
3	A407 3	Amortization of Regulatory Asset	II-E-4.1	1,145,044	(2,773,001)	25,459,958	-	23,832,001
4								
5		Other Revenues	II-E-5					
6		Non-Electric Revenue						
7	A442	Power Factor		\$ -	17,616,778	\$ -	\$ -	17,616,778
8	A450	Forfeited Discounts		-	1,070,706	-	-	1,070,706
9	A451a	Misc Service Revenues - Discretionary		-	17,168,858	5,094,631	205,015	22,468,503
10	A451b	Misc Service Revenues - Other		-	456,565	-	-	456,565
11	A454	Rent from Property.		-	-	-	-	-
12	A454a	Rent from Property Pole Contacts		-	8,281,656	-	-	8,281,656
13	A454b	Rent from Property Fiber Optics		961,339	1,059,911	-	-	2,021,250
14	A454c	Rent from Property Antenna Lease		14,538,318	-	-	-	14,538,318
15	A454d	Rent from Property Third Party		609,107	16,700	-	-	625,807
16	A454e	Rent from Property Right Of Way & Misc		464,684	-	-	-	464,684
17	A456	Other Electric Revenues		26,449,887	6,086,808	-	-	32,536,694

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WORKPAPER 1.1 - CONSOLIDATION OF FUNCTIONALIZED COST OF SERVICE

Line	Account Number (a)	Description (b)	Reference Schedule (c)	TRAN (d)	DIST (e)	MET (f)	TDCS (i)	Total (j)
18								
19								
20		Total Payroll Expense	II-D-3	64,966,318	171,590,796	44,152,742	19,069,829	299,779,685
21								
22		COST-BASED Revenue Requirement	I-A-1	\$ 1,445,176,353	\$ 3,960,794,562	\$ 200,341,062	\$ 104,379,391	5,710,691,369
23								
24								
25		Rate Base		9,026,971,614	9,061,557,950	421,320,140	205,072,407	18,714,922,110
26								
27		Return on Rate Base		636,401,499	638,839,835	29,703,070	14,457,605	1,319,402,009
28		Operating and Maintenance Expenses		243,393,420	2,390,996,884	109,170,717	50,153,808	2,793,714,829
29		Depreciation, Amortization, & Other Expenses		375,312,661	457,044,241	56,374,322	32,929,277	921,660,501
30		Taxes Other Than Federal Income Tax		150,292,758	447,450,199	8,538,460	4,509,540	610,790,957
31		FIT		82,799,350	78,221,385	1,649,125	2,534,176	165,204,036
32		minus Other Revenues		(43,023,335)	(51,757,982)	(5,094,631)	(205,015)	(100,080,962)
33		Revenue Requirement		1,445,176,353	3,960,794,562	200,341,062	104,379,391	5,710,691,369
34								
35		Should be all TRUE ==>		TRUE	TRUE	TRUE	TRUE	TRUE
36								
37		Total Payroll Expense (this file)		64,966,318	171,590,796	44,152,742	19,069,829	299,779,685
38								
39		Should be all TRUE ==>		TRUE	TRUE	TRUE	TRUE	TRUE

2022 RATE CASE
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II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
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SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.2 - WHEREIN CERTAIN ACCOUNTS ARE SPLIT

Line	Acct	Description	Allocation (WP/II-I-1.2)	TRAN	DIST	MET	TDCS	Total
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)
1	A454b	Rent from Property: Fiber Optics	100%	961,339	1,059,911	-	-	2,021,250
2	A454b1	Rent from Property: Fiber Optics Overhead	12%	115,361	127,189	-	-	242,550
3	A454b2	Rent from Property: Fiber Optics Underground	88%	845,978	932,722	-	-	1,778,700
4								
5								
6	Acct	Description	Allocation	TRAN	DIST	MET	TDCS	Total
7	(a)	(b)	(WP/II-I-2.1) (c)	(d)	(e)	(f)	(i)	(j)
8								
9								
10	II-B-1	Original Cost						
11	A364	Poles, Towers & Fixtures: Total (WP/ II-I-1.1)	1.000000	-	2,678,358,261	-	-	2,678,358,261
12	A364P	Poles, Towers & Fixtures: Primary	0.829657	-	2,222,118,466	-	-	2,222,118,466
13	A364S	Poles, Towers & Fixtures: Secondary	0.170343	-	456,239,794	-	-	456,239,794
14	A365	O.H. Conductors & Devices: Total (WP/ II-I-1.1)	1.000000	-	1,675,410,858	-	-	1,675,410,858
15	A365P	O.H. Conductors & Devices: Primary	0.849453	-	1,423,183,158	-	-	1,423,183,158
16	A365S	O.H. Conductors & Devices: Secondary	0.150547	-	252,227,701	-	-	252,227,701
17	A366	Underground Conduits: Total (WP/ II-I-1.1)	1.000000	-	1,082,118,478	-	-	1,082,118,478
18	A366P	Underground Conduits: Primary	0.607132	-	656,988,431	-	-	656,988,431
19	A366S	Underground Conduits: Secondary	0.392868	-	425,130,047	-	-	425,130,047
20	A367	U.G. Conductors & Devices: Total (WP/ II-I-1.1)	1.000000	-	2,553,927,528	-	-	2,553,927,528
21	A367P	U.G. Conductors & Devices: Primary	0.811285	-	2,071,962,156	-	-	2,071,962,156
22	A367S	U.G. Conductors & Devices: Secondary	0.188715	-	481,965,372	-	-	481,965,372
23	A368	Line Transformers: Total (WP/ II-I-1.1)	1.000000	-	2,493,077,762	-	-	2,493,077,762
24	A368P	Regulators, Protectors, Primary Transformers	0.058800	-	146,592,103	-	-	146,592,103
25	A368S	Secondary Transformers	0.880957	-	2,196,294,899	-	-	2,196,294,899
26	A368C	Capacitors	0.060243	-	150,190,760	-	-	150,190,760
27								
28	II-B-5	Accumulated Depreciation						
29	A364	Poles, Towers & Fixtures: Total (WP/ II-I-1.1)	1.000000	-	1,107,719,584	-	-	1,107,719,584
30	A364P	Poles, Towers & Fixtures: Primary	0.829657	-	919,027,219	-	-	919,027,219
31	A364S	Poles, Towers & Fixtures: Secondary	0.170343	-	188,692,365	-	-	188,692,365
32	A365	O.H. Conductors & Devices: Total (WP/ II-I-1.1)	1.000000	-	635,328,009	-	-	635,328,009
33	A365P	O.H. Conductors & Devices: Primary	0.849453	-	539,681,427	-	-	539,681,427
34	A365S	O.H. Conductors & Devices: Secondary	0.150547	-	95,646,583	-	-	95,646,583
35	A366	Underground Conduits: Total (WP/ II-I-1.1)	1.000000	-	452,193,524	-	-	452,193,524
36	A366P	Underground Conduits: Primary	0.607132	-	274,541,023	-	-	274,541,023
37	A366S	Underground Conduits: Secondary	0.392868	-	177,652,501	-	-	177,652,501
38	A367	U.G. Conductors & Devices: Total (WP/ II-I-1.1)	1.000000	-	578,041,306	-	-	578,041,306
39	A367P	U.G. Conductors & Devices: Primary	0.811285	-	468,956,028	-	-	468,956,028
40	A367S	U.G. Conductors & Devices: Secondary	0.188715	-	109,085,277	-	-	109,085,277
41	A368	Line Transformers: Total (WP/ II-I-1.1)	1.000000	-	743,686,994	-	-	743,686,994
42	A368P	Regulators, Protectors, Primary Transformers	0.058800	-	43,728,536	-	-	43,728,536
43	A368S	Secondary Transformers	0.880957	-	655,156,440	-	-	655,156,440
44	A368C	Capacitors	0.060243	-	44,802,018	-	-	44,802,018

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TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Revenue Requirement	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(l)
1	O&M Expenses	II-D-2	127,752,919	1,967,625,127	50,235,236	343,151	2,145,956,433	2,018,203,513
2	Customer Expenses	II-D-2	87,421	245,306	8,799,723	13,109,328	22,241,777	22,154,357
3	<u>A&G Expenses</u>	II-D-2	<u>115,553,080</u>	<u>423,126,452</u>	<u>50,135,759</u>	<u>36,701,329</u>	<u>625,516,619</u>	<u>509,963,539</u>
4	O&M + Customer + A&G Expenses		243,393,420	2,390,996,884	109,170,717	50,153,808	2,793,714,829	2,550,321,409
5								
6	Depreciation & Amortization (II-E-1)	II-E-1	374,144,896	459,817,145	30,914,364	32,929,277	897,805,682	523,660,786
7	<u>Other (II-E-4)</u>	II-E-4	<u>1,167,765</u>	<u>(2,772,904)</u>	<u>25,459,958</u>	<u>-</u>	<u>23,854,820</u>	<u>22,687,054</u>
8	Depreciation, Amortization & Other Expenses		375,312,661	457,044,241	56,374,322	32,929,277	921,660,501	546,347,840
9								
10	Taxes Other Than Federal Income Tax	II-E-2	150,292,758	447,450,199	8,538,460	4,509,540	610,790,957	460,498,199
11	Federal Income Tax	II-E-3	82,799,350	78,221,385	1,649,125	2,534,176	165,204,036	82,404,686
12								
13	Return on Rate Base	II-B	636,401,499	638,839,835	29,703,070	14,457,605	1,319,402,009	683,000,510
14								
15	TOTAL COST OF SERVICE		1,488,199,688	4,012,552,544	205,435,693	104,584,406	5,810,772,332	4,322,572,643
16								
17	Minus. Other Revenues	II-E-5	43,023,335	51,757,982	5,094,631	205,015	100,080,982	57,057,628
18								
19	COST-BASED Revenue Requirement		1,445,176,353	3,960,794,562	200,341,062	104,379,391	5,710,691,369	4,265,515,016

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CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR. MATTHEW A TROXLE

Line	Return On Rate Base	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS	
(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(l)	
1	Intangible Plant Original Cost	II-B-1	247,306,021	323,333,373	185,301,713	310,409,175	1,066,350,281	819,044,261	
2	Transmission Plant Original Cost	II-B-1	12,636,475,916	381,860,651	-	-	13,018,336,567	381,860,651	
3	Distribution Plant Original Cost	II-B-1	705,433,553	14,618,819,733	574,147,483	-	15,898,400,769	15,192,967,216	
4	Intangible, Transmission, Distribution Plant Original Cost		13,589,215,489	15,324,013,757	759,449,196	310,409,175	29,983,087,616	16,393,872,127	
5								-	
6	General Plant Original Cost	II-B-2	232,353,108	330,131,995	104,726,622	100,100,756	767,312,480	534,959,372	
7	Communication Equipment Original Cost	II-B-3	81,760,693	61,337,953	45,688,861	1,554,894	190,342,402	108,581,709	
8	Total Plant		13,903,329,290	15,715,483,705	909,864,679	412,064,825	30,940,742,498	17,037,413,208	
9								-	
10	Minus Accumulated Depreciation	II-B-5	3,399,584,207	5,869,820,991	575,025,967	126,531,353	9,970,962,518	6,571,378,311	
11								-	
12	NET PLANT IN SERVICE		10,503,745,083	9,845,662,713	334,838,712	285,533,472	20,969,779,980	10,466,034,897	
13								-	
14	Other Rate Base Items:								
15								-	
16	CWIP	II-B-4	-	-	-	-	-	-	
17	Plant Held for Future Use	II-B-6	21,469,068	1,745,979	-	-	23,215,048	1,745,979	
18	Accumulated Provisions ex ADFIT	II-B-7	-	-	-	-	-	-	
19	Materials & Supplies	II-B-8	77,242,553	74,690,404	105,783	-	152,038,741	74,796,188	
20	Cash Working Capital	II-B-9	(56,535,862)	(16,695,372)	273,939	141,340	(72,815,955)	(16,280,094)	
21	Prepayments	II-B-10	10,576,723	100,121,672	3,524,809	930,192	115,153,396	104,576,673	
22	Misc Other Rate Base	II-B-11	24,173,335	(2,428,361)	(668,324)	-	21,076,650	(3,096,684)	
23	Regulatory Assets	II-B-12	(470,917,023)	190,520,109	119,901,696	4,277,692	(156,217,526)	314,699,496	
24	Accumulated Deferred Income Taxes	II-E3.7	(1,082,782,265)	(1,132,059,195)	(36,656,474)	(85,810,289)	(2,337,308,223)	(1,254,525,959)	
25								-	
26		Subtotal	(1,476,773,469)	(784,104,764)	86,481,429	(80,461,066)	(2,254,857,870)	(778,084,401)	
27	TOTAL RATE BASE		9,026,971,614	9,061,557,950	421,320,140	205,072,407	18,714,922,110	9,687,950,497	
28								-	
29	COST-BASED Rate of Return		7 0500%	7 0500%	7 0500%	7 0500%	7 0500%	7 0500%	
30								-	
31	COST-BASED Return On Rate Base		636,401,499	638,839,835	29,703,070	14,457,605	1,319,402,009	683,000,510	

2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC CONSOLIDATED FUNCTIONALIZED COST OF SERVICE TEST YEAR ENDING 12/31/2021 SPONSOR: MATTHEW A. TROXLE									
Line	Acct	Intangible and Transmission Plant Gross	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Intangible Plant Gross	II-B-1						
2	A301	Organization		-	-	-	-	-	-
3	A302	Franchise & Consents		-	-	-	-	-	-
4	A303	Miscellaneous Intangible Plant		247,306,021	323,333,373	185,301,713	310,409,175	1,066,350,281	819,044,261
5		Subtotal		247,306,021	323,333,373	185,301,713	310,409,175	1,066,350,281	819,044,261
6		Transmission Plant Gross	II-B-1						
7	A349	Land Owned in Fee		115,906,329	-	-	-	115,906,329	-
8	A350	Land and Land Rights		615,926,404	-	-	-	615,926,404	-
9	A352	Structures and Improvements		420,045,891	-	-	-	420,045,891	-
10	A353	Station Equipment		3,495,298,428	381,860,651	-	-	3,877,159,079	381,860,651
11	A354	Towers and Fixtures		1,929,652,755	-	-	-	1,929,652,755	-
12	A355	Poles and Fixtures		2,870,770,311	-	-	-	2,870,770,311	-
13	A356	O H Conductors & Devices		3,044,581,320	-	-	-	3,044,581,320	-
14	A357	Underground Conduit		60,197,135	-	-	-	60,197,135	-
15	A358	Underground Conductors		84,097,343	-	-	-	84,097,343	-
16	A359	Roads and Trails		-	-	-	-	-	-
17		Subtotal		12,636,475,916	381,860,651	-	-	13,018,336,567	381,860,651

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Acct	Distribution Plant Gross	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1		Distribution Plant Gross	II-B-1						
2	A360	Land and Land Rights		1,320,895	23,046,028	-	-	24,366,923	23,046,028
3	A361	Structures and Improvements		69,201,900	137,062,053	-	-	206,263,953	137,062,053
4	A362	Station Equipment		610,270,400	1,760,200,030	-	-	2,370,470,429	1,760,200,030
5	A363	Storage Battery Equipment		-	-	-	-	-	-
6	A364F	Poles, Towers and Fixtures Primary		-	2,222,118,466	-	-	2,222,118,466	2,222,118,466
7	A364E	Poles, Towers and Fixtures Secondary		-	456,239,794	-	-	456,239,794	456,239,794
8	A365E	Overhead Conductors and Devices Primary		-	1,423,183,158	-	-	1,423,183,158	1,423,183,158
9	A365E	Overhead Conductors and Devices Secondary		-	252,227,701	-	-	252,227,701	252,227,701
10	A366F	Underground Conduits Primary		-	656,988,431	-	-	656,988,431	656,988,431
11	A366E	Underground Conduits Secondary		-	425,130,047	-	-	425,130,047	425,130,047
12	A367F	Underground Conductors and Devices Primary		-	2,071,962,156	-	-	2,071,962,156	2,071,962,156
13	A367S	Underground Conductors and Devices Secondary		-	481,965,372	-	-	481,965,372	481,965,372
14	A368F	Regulators, Protectors, Primary Transformers		-	146,592,103	-	-	146,592,103	146,592,103
15	A368S	Secondary Transformers		-	2,196,294,899	-	-	2,196,294,899	2,196,294,899
16	A368C	Capacitors		-	150,190,760	-	-	150,190,760	150,190,760
17	A369	Services		-	1,652,238,990	-	-	1,652,238,990	1,652,238,990
18	A370	Meters		-	-	574,147,483	-	574,147,483	574,147,483
19	A371	Install on Customer Prem		-	54,631,097	-	-	54,631,097	54,631,097
20	A372	Leased Prop. on Cust Premises		-	-	-	-	-	-
21	A373	Street Lights		-	437,403,826	-	-	437,403,826	437,403,826
22	A374	Land Owned in Fee		24,640,358	71,344,821	-	-	95,985,179	71,344,821
23		Subtotal		705,433,553	14,618,819,733	574,147,483	-	15,898,400,769	15,192,967,216
24									
25		Subtotal 364:		-	2,678,358,261	-	-	2,678,358,261	2,678,358,261
26		Subtotal 365:		-	1,675,410,858	-	-	1,675,410,858	1,675,410,858
27		Subtotal 366:		-	1,082,118,478	-	-	1,082,118,478	1,082,118,478
28		Subtotal 367:		-	2,553,927,528	-	-	2,553,927,528	2,553,927,528
29		Subtotal 368:		-	2,493,077,762	-	-	2,493,077,762	2,493,077,762
30									
31		INT, TRAN, DIST PLANT. GROSS	II-B-1	13,589,215,489	15,324,013,757	759,449,196	310,409,175	29,983,087,616	16,393,872,127
32		OPERATING PLANT. GROSS	II-B-1	13,341,909,468	15,000,680,384	574,147,483	-	28,916,737,335	15,574,827,867

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	General Plant Gross	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1	General Plant Gross		II-B-2						
2	A388 Land Owned in Fee			7,795,889	19,410,066	3,908,190	2,557,941	33,672,086	25,876,197
3	A389 Land and Land Rights			60,494	78,749	3,343	12	142,598	82,104
4	A390 Structures and Improvements			80,530,915	141,498,136	24,868,885	13,542,694	260,440,631	179,909,716
5	A391 Office Furniture & Equip.			77,149,138	96,093,234	66,950,478	84,000,108	324,192,958	247,043,820
6	A392 Transportation Equipment			10,146,633	12,716,429	-	-	22,863,062	12,716,429
7	A393 Store Equipment			1,193,182	3,228,206	575,149	-	4,996,537	3,803,355
8	A394 Tools, Shop & Garage Equip			14,877,076	25,982,536	2,568,972	-	43,428,585	28,551,509
9	A395 Laboratory Equipment			30,439,016	17,734,119	3,737,189	-	51,910,324	21,471,308
10	A396 Power Operated Equipment			4,340,671	7,626,625	930,590	-	12,897,886	8,557,216
11		Subtotal		226,533,013	324,368,101	103,542,796	100,100,756	754,544,667	528,011,653
12									
13	A398 Misc Equipment			5,820,094	5,763,894	1,183,826	-	12,767,814	6,947,719
14	A399 Other Tangible			-	-	-	-	-	-
15		Subtotal		5,820,094	5,763,894	1,183,826	-	12,767,814	6,947,719
16									
17		GENERAL PLANT, GROSS	II-B-2	232,353,108	330,131,995	104,726,622	100,100,756	767,312,480	534,959,372

2022 RATE CASE
 ONCOR ELECTRIC DELIVERY COMPANY LLC
 CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
 TEST YEAR ENDING 12/31/2021
 SPONSOR: MATTHEW A TROXLE

Line	Acct	Communication Equipment	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1	A397	Total Communication Equipment	II-B-3	81,760,693	61,337,953	45,688,861	1,554,894	190,342,402	108,581,709
2		Subtotal		81,760,693	61,337,953	45,688,861	1,554,894	190,342,402	108,581,709
3									
4		COMMUNICATION EQUIPMENT		81,760,693	61,337,953	45,688,861	1,554,894	190,342,402	108,581,709
5									
6		GENERAL PLANT- GROSS, INCLUDE COMM EQUIP.	II-B-2-3	314,113,801	391,469,948	150,415,483	101,655,650	957,654,882	643,541,081
7									
8		PLANT IN SERVICE: GROSS (INCL. INTANGIBLES)	II-B-1-3	13,903,329,290	15,715,483,705	909,864,679	412,064,825	30,940,742,498	17,037,413,208
9									
10		PLANT IN SERVICE: GROSS (EXCL. INTANGIBLES)	II-B-1-3	13,656,023,269	15,392,150,332	724,562,966	101,655,650	29,874,392,217	16,218,368,948

2022 RATE CASE
 ONCOR ELECTRIC DELIVERY COMPANY LLC
 CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
 TEST YEAR ENDING 12/31/2021
 SPONSOR: MATTHEW A. TROXLE

Line	Acct	Construction Work in Progress	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1		Construction Work in Progress							
2	A107	CWIP						-	-
3		Subtotal		-	-	-	-	-	-
4									
5		TOTAL CWIP	II-B-4	-	-	-	-	-	-

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Intangible and Transmission Plant Accum Dep	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1		Intangible Plant Accumulated Depreciation	II-B-1						
2	A301	Organization		-	-	-	-	-	-
3	A302	Franchise & Consents		-	-	-	-	-	-
4	A303	Miscellaneous Intangible Plant		99,337,446	114,122,848	155,161,423	84,146,160	452,767,876	353,430,430
5		Subtotal		99,337,446	114,122,848	155,161,423	84,146,160	452,767,876	353,430,430
6		Transmission Plant Accum Depreciation	II-B-1						
7	A349	Land Owned in Fee		-	-	-	-	-	-
8	A350	Land and Land Rights		106,785,501	-	-	-	106,785,501	-
9	A352	Structures and Improvements		128,057,113	-	-	-	128,057,113	-
10	A353	Station Equipment		693,046,475	97,170,477	-	-	790,216,952	97,170,477
11	A354	Towers and Fixtures		467,580,047	-	-	-	467,580,047	-
12	A355	Poles and Fixtures		664,853,703	-	-	-	664,853,703	-
13	A356	O H Conductors & Devices		978,999,051	-	-	-	978,999,051	-
14	A357	Underground Conduit		19,336,448	-	-	-	19,336,448	-
15	A358	Underground Conductors		33,548,402	-	-	-	33,548,402	-
16	A359	Roads and Trails		-	-	-	-	-	-
17		Subtotal		3,092,206,741	97,170,477	-	-	3,189,377,218	97,170,477

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Distribution Plant Accum Depreciation	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Distribution Plant Accum Depreciation	II-B-1						
2	A360	Land and Land Rights		238,775	9,695,344	-	-	9,934,119	9,695,344
3	A361	Structures and Improvements		18,051,484	41,745,978	-	-	59,797,462	41,745,978
4	A362	Station Equipment		122,722,868	463,683,929	-	-	586,406,796	463,683,929
5	A363	Storage Battery Equipment		-	-	-	-	-	-
6	A364F	Poles, Towers and Fixtures Primary		-	919,027,219	-	-	919,027,219	919,027,219
7	A364S	Poles, Towers and Fixtures Secondary		-	188,692,365	-	-	188,692,365	188,692,365
8	A365F	Overhead Conductors and Devices Primary		-	539,681,427	-	-	539,681,427	539,681,427
9	A365S	Overhead Conductors and Devices Secondary		-	95,646,583	-	-	95,646,583	95,646,583
10	A366F	Underground Conduits Primary		-	274,541,023	-	-	274,541,023	274,541,023
11	A366S	Underground Conduits Secondary		-	177,652,501	-	-	177,652,501	177,652,501
12	A367F	Underground Conductors and Devices Primary		-	468,956,028	-	-	468,956,028	468,956,028
13	A367S	Underground Conductors and Devices Secondary		-	109,085,277	-	-	109,085,277	109,085,277
14	A368F	Regulators, Protectors, Primary Transformers		-	43,728,536	-	-	43,728,536	43,728,536
15	A368S	Secondary Transformers		-	655,156,440	-	-	655,156,440	655,156,440
16	A368C	Capacitors		-	44,802,018	-	-	44,802,018	44,802,018
17	A369	Services		-	1,097,314,113	-	-	1,097,314,113	1,097,314,113
18	A370	Meters		-	-	336,239,857	-	336,239,857	336,239,857
19	A371	Install on Customer Prem.		-	75,069,053	-	-	75,069,053	75,069,053
20	A372	Leased Prop. on Cust Premises		-	-	-	-	-	-
21	A373	Street Lights		-	372,032,657	-	-	372,032,657	372,032,657
22		Subtotal		141,013,126	5,576,510,491	336,239,857	-	6,053,763,475	5,912,750,349
23									
24		Subtotal 364:		-	1,107,719,584	-	-	1,107,719,584	1,107,719,584
25		Subtotal 365:		-	635,328,009	-	-	635,328,009	635,328,009
26		Subtotal 366:		-	452,193,524	-	-	452,193,524	452,193,524
27		Subtotal 367:		-	578,041,306	-	-	578,041,306	578,041,306
28		Subtotal 368:		-	743,686,994	-	-	743,686,994	743,686,994
29									
30		INT, TRAN, DIST PLANT ACCUM DEPR TOTAL	II-B-1	3,332,557,314	5,787,803,816	491,401,280	84,146,160	9,695,908,569	6,363,351,256
31		OPERATING PLANT ACCUM DEPR TOTAL	II-B-1	3,233,219,868	5,673,680,968	336,239,857	-	9,243,140,693	6,009,920,826
32									
33		INTANGIBLE PLANT: NET		147,968,575	209,210,525	30,140,290	226,263,015	613,582,405	465,613,830
34		TRANSMISSION PLANT: NET		9,544,269,174	284,690,174	-	-	9,828,959,348	284,690,174
35		DISTRIBUTION PLANT: NET		564,420,426	9,042,309,242	237,907,626	-	9,844,637,294	9,280,216,867
36		OPERATING PLANT: NET		10,108,689,601	9,326,999,415	237,907,626	-	19,673,596,642	9,564,907,041
37		INT, TRAN, DIST PLANT: NET		10,256,658,175	9,536,209,940	268,047,916	226,263,015	20,287,179,047	10,030,520,872

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Acct	General Plant: Accumulated Depreciation	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		General Plant							
2		Accumulated Depreciation							
3	A388	Land Owned in Fee		-	-	-	-	-	-
4	A389	Land and Land Rights		10,108	13,158	559	2	23,827	13,719
5	A390	Structures and Improvements		6,701,895	11,904,359	2,097,790	1,141,162	21,845,206	15,143,311
6	A391	Office Furniture & Equip		33,976,470	43,244,355	37,302,658	40,970,025	155,493,509	121,517,038
7	A392	Transportation Equipment		1,936,739	2,889,835	-	-	4,826,574	2,889,835
8	A393	Store Equipment		237,481	642,516	114,473	-	994,470	756,988
9	A394	Tools, Shop & Garage Equip		5,850,180	10,062,139	959,169	-	16,871,489	11,021,309
10	A395	Laboratory Equipment		4,825,933	2,811,644	592,510	-	8,230,086	3,404,154
11	A396	Power Operated Equipment		1,344,997	2,373,054	289,557	-	4,007,608	2,662,611
12		Subtotal		54,883,804	73,941,061	41,356,715	42,111,189	212,292,768	157,408,965
13									
14	A397	Communication Equipment		11,568,805	7,510,868	42,151,878	274,004	61,505,556	49,936,751
15	A398	Misc Equipment		574,285	565,246	116,094	-	1,255,625	681,340
16	A399	Other Tangible-Deprc		-	-	-	-	-	-
17		Subtotal		12,143,090	8,076,114	42,267,972	274,004	62,761,181	50,618,091
18									
19		ACCUM DEP. FOR GENERAL PLANT		67,026,894	82,017,175	83,624,687	42,385,193	275,053,949	208,027,055
20		GENERAL PLANT-NET (include Comm Eq)		247,086,907	309,452,773	66,790,796	59,270,457	682,600,933	435,514,026
21									
22		PLANT IN SERVICE NET (INCL. INTANGIBLES)		10,503,745,083	9,845,662,713	334,838,712	285,533,472	20,969,779,980	10,466,034,897
23									
24		PLANT IN SERVICE NET (EXCL. INTANGIBLES)		10,355,776,508	9,636,452,188	304,698,421	59,270,457	20,356,197,575	10,000,421,067

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Plant Held for Future Use	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Other Rate Base Items							
2									
3	A105	Plant Held for Future Use	II-B-6	21,469,068	1,745,979	-	-	23,215,048	1,745,979
4			Subtotal	21,469,068	1,745,979	-	-	23,215,048	1,745,979
5									
6		TOTAL PLANT HELD FOR FUTURE USE	II-B-6	21,469,068	1,745,979	-	-	23,215,048	1,745,979

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Accl	Accumulated Provisions	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1		Other Rate Base Items							
2									
3		Asset Retirement Obligations	II-B-7					-	-
4		Reserve for Catastrophic Event						-	-
5		Customers Advances for Construction						-	-
6									
7		ACCUMULATED PROVISIONS EX ADFIT	II-B-7	-	-	-	-	-	-
8									
9		Accumulated Deferred Federal Income Taxes	II-E-3.7	(1,082,782,265)	(1,132,059,196)	(36,656,474)	(85,810,289)	(2,337,308,223)	(1,254,525,959)
10									
11		TOTAL ACCUMULATED PROVISIONS INCL ADFIT		(1,082,782,265)	(1,132,059,196)	(36,656,474)	(85,810,289)	(2,337,308,223)	(1,254,525,959)

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Materials and Supplies	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Other Rate Base Items							
2		<u>Working Capital</u>							
3		Materials and Supplies	II-B-8						
4	154	Material and Supplies		70,696,777	64,325,003	91,069	-	135,112,849	64,416,072
5	163	Undistributed M&S Expenses		6,545,776	10,365,402	14,714	-	16,925,892	10,380,116
6		Subtotal		77,242,553	74,690,404	105,783	-	152,038,741	74,796,188
7									
8		TOTAL MATERIALS & SUPPLIES	II-B-8	77,242,553	74,690,404	105,783	-	152,038,741	74,796,188

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Cash Working Capital	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Other Rate Base Items							
2		<u>Working Capital</u>	II-B-9						
3		Cash Working Capital		(56,535,862)	(16,695,372)	273,939	141,340	(72,815,955)	(16,280,094)
4		Subtotal		(56,535,862)	(16,695,372)	273,939	141,340	(72,815,955)	(16,280,094)
5									
6		TOTAL CASH WORKING CAPITAL	II-B-9	(56,535,862)	(16,695,372)	273,939	141,340	(72,815,955)	(16,280,094)

2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC CONSOLIDATED FUNCTIONALIZED COST OF SERVICE TEST YEAR ENDING 12/31/2021 SPONSOR: MATTHEW A TROXLE									
Line	Acct	Prepayments	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Other Rate Base Items							
2		Working Capital							
3		165 Prepayments	II-B-10						
4		Prepayments		10,576,723	100,121,672	3,524,809	930,192	115,153,396	104,576,673
5		Subtotal		10,576,723	100,121,672	3,524,809	930,192	115,153,396	104,576,673
6									
7		TOTAL PREPAYMENTS	II-B-10	10,576,723	100,121,672	3,524,809	930,192	115,153,396	104,576,673
8									
9		WORKING CAPITAL TOTAL	II-B-8-10	31,283,415	158,116,704	3,904,531	1,071,531	194,376,182	163,092,767

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Acct	Customer Deposits	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1	Misc Other Rate Base Items		II-B-11						
2	A114 Electric Plant Acquisition Adj			24,173,335	(2,266,261)	-	-	21,907,074	(2,266,261)
3	A235 Customer Deposits			-	(162,100)	-	-	(162,100)	(162,100)
4	A283 Deferred Margin Tax			-	-	(668,324)	-	(668,324)	(668,324)
5		Subtotal		24,173,335	(2,428,361)	(668,324)	-	21,076,650	(3,096,684)
6									
7		OTHER RATE BASE ITEMS EX REGULATORY ASSETS		(928,613,893)	(899,934,468)	(33,314,484)	(84,738,758)	(1,946,601,603)	(1,017,987,709)

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Non-Tax Related Regulatory Assets and Liabilities	Source	TRAN	DIST	MET	TOCS	Total	DIST + MET + TBILL/DOCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Other Rate Base Items							
2		Regulatory Assets/(Liabilities) in Rate Base	II-B-12						
3		Non-tax Related Regulatory Assets							
4	189	Unamortized Losses - Reacquired Debt		-	-	-	-	-	-
5	182	Rocky Mound Series Compensator		1,518,898	-	-	-	1,518,898	-
6	182	Deferred Mobile Generator Costs HB 2483 & PURA § 39 918		-	26,088	-	-	26,088	26,088
7	182	COVID19-Incremental Expense Dkt 50664		3,006,613	28,752,062	1,579,204	1,280,748	34,618,626	31,612,013
8	182	Deferred Pension Costs (a)		36,117,771	105,257,010	25,202,870	6,400,180	172,977,830	136,860,059
9	182	Deferred Pension Costs (b)		(3,840,350)	(10,594,886)	(2,888,676)	(116,244)	(17,440,156)	(13,599,807)
10	182	Deferred Other Post-Employment Benefit Costs (a)		3,928,762	11,449,481	2,741,478	696,189	18,815,910	14,887,148
11	182	Pension & OPEB Reg Asset-ONCOR (GAAP)		-	-	-	-	-	-
12	182	CWIP Tran & Dist Non-Service Cost Pension/OPEBs (GAAP)		-	-	-	-	-	-
13	182	Plant in service Tran & Dist Non-Service Cost Pension/OPEBs (GAAP)		-	-	-	-	-	-
14	186	Rate Case Expenses - AMS (a)		-	-	80,080	-	80,080	80,080
15	186	Rate Case Expenses - Non-std Metering Tariff (Dkt 41890)		-	-	-	-	-	-
16	186	Rate Case Expenses - Final AMS Rec Dkt 49721		-	178,483	-	-	178,483	178,483
17	186	Rate Case Expenses - 2018 DCRF Dkt 48231		-	304,616	-	-	304,616	304,616
18	186	Rate Case Expenses - 2019 DCRF Dkt 49427		-	167,728	-	-	167,728	167,728
19	186	Rate Case Expenses - 2021 DCRF Dkt 51996		-	215,521	-	-	215,521	215,521
20	186	Rate Case Expenses - 2017 ED DOCKET 46957 (c)		-	586,173	-	-	586,173	586,173
21	186	Rate Case Expenses - 2018 TCJA Dkt 48325		-	334,785	-	-	334,785	334,785
22	186	Rate Case Expenses - 2021 Base Rate Case		-	6,700,000	-	-	6,700,000	6,700,000
23	182	Wholesale Distribution Substation Service		-	75,267,069	-	-	75,267,069	75,267,069
24	182	Sharyland Residential Interm Rate		-	627,363	-	-	627,363	627,363
25	182	Study Costs/Transition to Comp - NTU		1,716,330	-	-	-	1,716,330	-
26	182	PowerLineSafetyAct PURA 36 066		6,900,192	613,208	-	-	7,513,400	613,208
27	182	Reg Asset - Defaulted REPs		-	-	-	8,358,754	8,358,754	8,358,754
28	182	Deferred AMS Expense		-	-	59,201	-	59,201	59,201
29	182	Deferred Customer Education - AMS		-	-	524,869	-	524,869	524,869
30	182	Under-Recovered AMS		-	-	127,299,791	-	127,299,791	127,299,791
31	182	Energy Efficiency Performance Bonus		-	-	-	-	-	-
32	182	TCRF Update 16 TAC 25 193		-	-	-	-	-	-
33	186	Workers Compensation		-	-	-	-	-	-
34	186	Self Insurance Reserve (a)		1,332,944	221,954,256	-	-	223,287,200	221,954,256
35	186	Self Insurance Reserve (b)		24,454,562	340,803,895	-	-	365,258,457	340,803,895
36		Subtotal Non-Tax Regulatory Assets		75,135,722	782,642,852	154,598,817	16,619,626	1,028,997,017	953,861,295
37									

38	Non-Tax Related Regulatory Liabilities							
39	254	Estimated net removal costs (GAAP)	-	-	-	-	-	
40	'28, 25	Energy Efficiency incl. Unbilled Deferral	-	-	-	-	-	
41	254	Over-amortization of intangible investment	(163,118)	(13,373,825)	-	(13,536,943)	(13,373,825)	
42	254	TCRF Unbilled Revenue Deferral	-	-	-	-	-	
43	254	AMS Unbilled Revenue Deferral	-	-	-	-	-	
44	254	Capital structure refund Dkt 48522 (over-refund)	-	81,644	-	81,644	81,644	
45	254	FIT refund - rate Dkt 48325 (over-refund)	-	2,368,303	-	2,368,303	2,368,303	
46	254	Interest-rate savings Dkt 47675 & 51881	-	-	-	-	-	
47	254	Docket No 46957 Rider RCE (over-collection)	-	(254,178)	-	(254,178)	(254,178)	
48	254	Deferred OPEB Cost (b)	(8,651,531)	(23,868,136)	(6,507,603)	(261,874)	(39,289,144)	
49	257	Unamortized Gains - Reacquired Debt	-	-	-	-	-	
50			-	-	-	-	-	
51		Subtotal Non-Tax Regulatory Liabilities	(8,814,649)	(35,046,191)	(6,507,603)	(261,874)	(50,630,317)	
52								
53		TOTAL NON-TAX RELATED REGULATORY ASSETS	II-B-12	66,321,073	747,596,661	148,091,214	16,357,752	978,366,700
								912,045,627

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Acct	Tax Related Regulatory Assets and Liabilities	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Tax Related Regulatory Assets	II-B-12						
2	182	FAS 109-EPIS-Basis Differences		-	-	-	-	-	-
3	182	FAS 109-CWIP-Flow Through		-	-	-	-	-	-
4	182	Pension/OPEB - Unrecognized Exp		-	-	-	-	-	-
5	182	Unrecognized Exp - Gross-up		-	-	-	-	-	-
6	182	Unprotected Excess DFIT Asset		29,836,853	56,462,358	16,213,241	5,700,191	108,212,644	78,375,790
7	182	Unprotected Excess Asset Grossup		-	-	-	-	-	-
8		Subtotal Tax-Related Regulatory Assets		29,836,853	56,462,358	16,213,241	5,700,191	108,212,644	78,375,790
9									
10		Tax Related Regulatory Liabilities	II-B-12						
11	254	FAS 109 - Unamortized ITC		-	-	-	-	-	-
12	254	Unprotected Excess DFIT Liability		(10,576,090)	(67,515,629)	(25,833,189)	(1,945,062)	(105,869,970)	(95,293,880)
13	254	Unprotected Excess DFIT Liability Grossup		-	-	-	-	-	-
14	254	Protected Excess DFIT		(471,200,313)	(462,439,967)	(15,727,007)	(13,411,193)	(962,778,480)	(491,578,167)
15	254	Excess DFIT Grossup		-	-	-	-	-	-
16	254	Unprotected Plant-related Excess DFIT		(85,081,002)	(91,968,030)	(3,127,718)	(2,667,159)	(182,843,909)	(97,762,907)
17	254	Excess DFIT Reserve		(217,543)	8,384,714	285,154	243,165	8,695,489	8,913,033
18	254	Excess DFIT Reserve Gross-up		-	-	-	-	-	-
19	254	Pension/OPEB - FAS 109		-	-	-	-	-	-
20	254	Pension/OPEB - Gross-up		-	-	-	-	-	-
21		Subtotal Tax-Related Regulatory Liabilities		(567,074,949)	(613,538,911)	(44,402,760)	(17,780,250)	(1,242,796,869)	(675,721,921)
22									
23		TOTAL TAX-RELATED REGULATORY ASSETS	II-B-12	(537,238,095)	(557,076,553)	(28,189,518)	(12,080,059)	(1,134,584,226)	(597,346,130)
24									
25		TOTAL REGULATORY ASSETS		(470,917,023)	190,520,109	119,901,696	4,277,692	(156,217,526)	314,699,496
26									
27		TOTAL OTHER RATE BASE ITEMS EX ADFIT	II-B-6-12	(393,991,205)	347,954,432	123,137,903	5,349,224	82,450,354	476,441,558
28									
29		TOTAL RATE BASE (incl ADFIT)	II-B-1-12	9,026,971,614	9,061,557,950	421,320,140	205,072,407	18,714,922,110	9,687,950,497
30									
31		Rate of Return		7.0500%	7.0500%	7.0500%	7.0500%	7.0500%	7.0500%
32									
33		RETURN ON RATE BASE		636,401,499	638,839,835	29,703,070	14,457,605	1,319,402,009	683,000,510

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Acct	Transmission Expense	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Transmission Expense							
2									
3		<u>Operation</u>	II-D-1						
4	A560	Operation Supervision and Engineering		4,337,270	46,905	1,929	-	4,386,104	48,834
5	A561	Load Dispatching		20,654,844	-	-	-	20,654,844	-
6	A562	Station Expenses		2,343,140	522,283	-	-	2,865,423	522,283
7	A563	Overhead Line Expenses		6,797,121	-	-	-	6,797,121	-
8	A564	Underground Line Expenses		2,675	-	-	-	2,675	-
9	A565	Transmission of Electricity by Others		-	1,652,522,021	-	-	1,652,522,021	1,652,522,021
10	A566	Miscellaneous Transmission Expenses		59,368,005	271,784	-	-	59,639,789	271,784
11	A567	Rents		193,255	-	-	-	193,255	-
12		Subtotal		93,696,310	1,653,362,993	1,929	-	1,747,061,233	1,653,364,923
13									
14		Transmission Operation excl. 565		93,696,310	840,972	1,929	-	94,539,211	842,901
15									
16		<u>Maintenance</u>	II-D-1						
17	A568	Maintenance Supervision and Engineering		524,192	85,794	292	-	610,278	86,085
18	A569	Maintenance of Structures		51,814	24	-	-	51,838	24
19	A570	Maintenance of Station Equipment		8,408,899	179,023	-	-	8,587,922	179,023
20	A571	Maintenance of Overhead Lines		22,536,330	4,629	-	-	22,540,959	4,629
21	A572	Maintenance of Underground Lines		80	79	-	-	159	79
22	A573	Maintenance of Miscellaneous Transmission Plant		1,701,271	35,240	-	-	1,736,511	35,240
23		Subtotal		33,222,586	304,788	292	-	33,527,666	305,080
24									
25		TOTAL TRANSMISSION EXPENSE		126,918,896	1,653,667,782	2,221	-	1,780,588,899	1,653,670,003
26									
27		TOTAL TRANSMISSION EXPENSE EXCL 565		126,918,896	1,145,760	2,221	-	128,066,877	1,147,981

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Distribution Expense	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Distribution Expense							
2		<u>Operation</u>	II-D-1						
3	A580	Operation Supervision and Engineering		(2,246)	7,329,102	580,270	18,446	7,925,572	7,927,819
4	A581	Load Dispatching		-	9,635,578	-	-	9,635,578	9,635,578
5	A582	Station Expenses		199,382	3,847,591	-	-	4,046,973	3,847,591
6	A583	Overhead Line Expenses		202	13,740,292	92,030	-	13,832,524	13,832,322
7	A584	Underground Line Expenses		-	10,071,135	7,712	-	10,078,847	10,078,847
8	A585	Street Lighting and Signal System Expenses		-	827	-	-	827	827
9	A586	Meter Expenses		-	-	28,413,341	-	28,413,341	28,413,341
10	A587	Customer Installation Expenses		-	1,638,489	1,345	-	1,639,834	1,639,834
11	A588	Miscellaneous Distribution Expenses		210,598	100,499,344	3,498,685	324,704	104,533,332	104,322,734
12	A589	Rents		-	731,384	-	-	731,384	731,384
13		Subtotal 580-589		407,936	147,493,743	32,593,382	343,151	180,838,212	180,430,276
14									-
15		Subtotal 581-587, 589		199,584	39,665,296	28,514,428	-	68,379,308	68,179,724
16									-
17									-
18		<u>Maintenance</u>	II-D-1						
19	A590	Maintenance Supervision and Engineering		18,143	2,100,732	732,702	-	2,851,577	2,833,434
20	A591	Maintenance of Structures		287	5,772	-	-	6,060	5,772
21	A592	Maintenance of Station Equipment		406,240	9,278,485	-	-	9,684,725	9,278,485
22	A593	Maintenance of Overhead Lines		1,418	111,767,839	174,493	-	111,943,750	111,942,333
23	A594	Maintenance of Underground Lines		-	26,516,321	38,016	-	26,554,338	26,554,338
24	A595	Maintenance of Line Transformers		-	5,010,366	229	-	5,010,595	5,010,595
25	A596	Maintenance of Street Lighting and Signal Systems		-	9,632,071	16,033	-	9,648,104	9,648,104
26	A597	Maintenance of Meters		-	(13,076)	16,640,054	-	16,626,978	16,626,978
27	A598	Maintenance of Miscellaneous Distribution Plant		-	2,165,092	38,103	-	2,203,195	2,203,195
28		Subtotal 590-598		426,088	166,463,602	17,639,632	-	184,529,322	184,103,234
29									-
30		Subtotal 591-597		407,944	162,197,779	16,868,826	-	179,474,550	179,066,605
31									-
32		TOTAL DISTRIBUTION EXPENSE	II-D-1	834,023	313,957,345	50,233,014	343,151	365,367,534	364,533,510

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A TROXLE

Line	Acct	Customer and Sales Expenses	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Customer Accounting Expenses	II-D-1						
2	A901	Supervision		-	114	13,613	2,051	15,779	15,779
3	A902	Meter Reading Expenses		-	-	71,276	-	71,276	71,276
4	A903	Customer Records and Collection Expenses		-	10,743	8,608,121	11,172,067	19,790,931	19,790,931
5	A904	Uncollectible Accounts		87,421	(16,240)	-	1,699,838	1,771,019	1,683,598
6	A905	Miscellaneous Customer Account Expenses		-	-	-	-	-	-
7		Subtotal Customer Accounting		87,421	(5,382)	8,693,009	12,873,956	21,649,004	21,561,583
8									
9		Subtotal 902-903		-	10,743	8,679,396	11,172,067	19,862,206	19,862,206
10									
11		Cust. Service & Information Expense	II-D-1						
12	A906	Customer Service and Informational Expenses		-	-	-	-	-	-
13	A907	Supervision		-	-	-	-	-	-
14	A908	Customer Assistance Expenses		-	250,688	106,713	235,372	592,773	592,773
15	A909	Informational and Instructional Advertising Expenses		-	-	-	-	-	-
16	A910	Miscellaneous Customer Service and Informational Expenses		-	-	-	-	-	-
17		Subtotal Cust Svc & Info Exp		-	250,688	106,713	235,372	592,773	592,773
18									
19		Subtotal 906, 908, 909		-	250,688	106,713	235,372	592,773	592,773
20									
21		Sales Expense	II-D-1						
22	A911	Supervision		-	-	-	-	-	-
23	A912	Demonstrating and Selling Expenses		-	-	-	-	-	-
24	A913	Advertising Expenses		-	-	-	-	-	-
25	A916	Miscellaneous Sales Expenses		-	-	-	-	-	-
26	A917	Sales Expenses		-	-	-	-	-	-
27		Subtotal Sales Exp		-	-	-	-	-	-
28									
29		Subtotal 912-917		-	-	-	-	-	-
30									
31		TOTAL O&M EXPENSE	II-D-1	127,840,340	1,967,870,432	59,034,958	13,452,479	2,168,198,210	2,040,357,870
32		TOTAL O&M EXPENSE EXCL 565	II-D-1	127,840,340	315,348,411	59,034,958	13,452,479	515,676,189	387,835,848

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Administrative & General Expenses	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1		Administrative & General Expenses	II-D-2						
2	A920	Administrative and General Salaries		19,675,723	48,296,109	13,067,187	17,818,910	98,857,929	79,182,206
3	A921	Office Supplies and Expenses		3,217,583	4,839,530	1,153,337	1,777,495	10,987,946	7,770,362
4	A922	Admin Expense Transferred - Credit		-	-	-	-	-	-
5	A923	Outside Services Employed		35,409,869	67,560,500	16,915,521	3,961,484	123,847,374	88,437,505
6	A924	Property Insurance		15,104,002	226,756,416	-	-	241,860,418	226,756,416
7	A925	Injures and Damages		5,231,224	16,115,667	-	-	21,346,891	16,115,667
8	A926	Employee Pensions and Benefits		32,862,762	45,802,181	16,815,083	7,945,425	103,425,450	70,562,688
9	A928	Regulatory Commission Expenses		376,621	2,262,088	16,016	-	2,654,725	2,278,104
10	A930	General Advertising Expenses		-	-	-	151,079	151,079	151,079
11	A930	Miscellaneous General Expenses		2,027,706	8,232,755	1,946,608	4,918,017	17,125,086	15,097,381
12	A931	Rents		287,631	1,026,552	211,824	128,899	1,654,905	1,367,274
13	A932	Maintenance of General Plant		1,359,446	2,244,967	9,774	4	3,614,191	2,254,745
14	A935	Maintenance of General Plant		513	(10,313)	409	15	(9,375)	(9,889)
15									
16		TOTAL A&G EXPENSE		115,553,080	423,126,452	50,135,759	36,701,329	625,516,619	509,963,539
17		TOTAL A&G EXPENSE EXCL DIST A928		115,553,080	421,479,826	50,135,759	36,701,329	623,869,993	508,316,913
18		TOTAL O&M & A&G EXPENSE		243,393,420	2,390,996,884	109,170,717	50,153,808	2,793,714,829	2,550,321,409
19									
20		TOTAL O&M & A&G EXPENSE EXCL 565 & RCE A928		243,393,420	736,828,237	109,170,717	50,153,808	1,139,546,181	896,152,762

2022 RATE CASE									
ONGOR ELECTRIC DELIVERY COMPANY LLC									
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE									
TEST YEAR ENDING 12/31/2021									
SPONSOR: MATTHEW A TROXLE									
Line	Acct	Transmission Payroll	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Transmission Payroll							
2		Operation Payroll	II-D-3						
3	A560	Operation Supervision and Engineering		3,890,105	48,773	-	-	3,938,878	48,773
4	A561	Load Dispatching		11,421,318	-	-	-	11,421,318	-
5	A562	Station Expenses		1,371,648	428,932	-	-	1,800,579	428,932
6	A563	Overhead Line Expenses		772,668	-	-	-	772,668	-
7	A564	Underground Line Expenses		-	-	-	-	-	-
8	A565	Transmission of Electricity by Others		-	-	-	-	-	-
9	A566	Miscellaneous Transmission Expenses		20,589,565	152,607	-	-	20,742,172	152,607
10	A567	Rents		-	-	-	-	-	-
11		Subtotal		38,045,303	630,312	-	-	38,675,615	630,312
12									
13		Subtotal 561-567		34,155,198	581,539	-	-	34,736,737	581,539
14									
15		Maintenance Payroll	II-D-3						
16	A568	Maintenance Supervision and Engineering		468,645	85,794	-	-	554,439	85,794
17	A569	Maintenance of Structures		-	-	-	-	-	-
18	A570	Maintenance of Station Equipment		3,079,543	70,649	-	-	3,150,191	70,649
19	A571	Maintenance of Overhead Lines		2,762,976	4,237	-	-	2,767,213	4,237
20	A572	Maintenance of Underground Lines		-	-	-	-	-	-
21	A573	Maintenance of Miscellaneous Transmission Plant		17,473	1,300	-	-	18,773	1,300
22		Subtotal		6,328,637	161,980	-	-	6,490,617	161,980
23									
24		Subtotal 569-573		5,859,992	76,186	-	-	5,936,178	76,186
25									
24		TOTAL TRANSMISSION PAYROLL		44,373,940	792,291	-	-	45,166,231	792,291

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Distribution Payroll	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Distribution Payroll							
2		<u>Operation Payroll</u>	II-D-3						
3	A581	Load Dispatching		-	9,544,431	-	-	9,544,431	9,544,431
4	A582	Station Expenses		61,035	2,814,414	-	-	2,875,449	2,814,414
5	A583	Overhead Line Expenses		-	1,767,468	91,312	-	1,858,781	1,858,781
6	A584	Underground Line Expenses		-	2,316,833	7,234	-	2,324,068	2,324,068
7	A585	Street Lighting and Signal System Expenses		-	-	-	-	-	-
8	A586	Meter Expenses		-	-	7,470,972	-	7,470,972	7,470,972
9	A587	Customer Installation Expenses		-	1,272,046	1,210	-	1,273,257	1,273,257
10	A588	Miscellaneous Distribution Expenses		-	42,023,722	1,499,428	764	43,523,913	43,523,913
11	A589	Rents		-	-	-	-	-	-
12		Subtotal 581-589		61,035	59,738,915	9,070,157	764	68,870,870	68,809,835
13									
14	A580	Operation Supervision and Engineering		(2,756)	5,493,451	544,303	-	6,034,998	6,037,754
15									
16		<u>Distribution Operation Total Payroll</u>	II-D-3	58,279	65,232,366	9,614,459	764	74,905,868	74,847,589
17									
18		<u>Maintenance Payroll</u>	II-D-3						
19	A591	Maintenance of Structures		-	-	-	-	-	-
20	A592	Maintenance of Station Equipment		134,900	6,147,661	-	-	6,282,561	6,147,661
21	A593	Maintenance of Overhead Lines		350	36,169,908	58,541	-	36,228,798	36,228,448
22	A594	Maintenance of Underground Lines		-	9,233,427	9,609	-	9,243,035	9,243,035
23	A595	Maintenance of Line Transformers		-	2,162,694	208	-	2,162,902	2,162,902
24	A596	Maintenance of Street Lighting and Signal Systems		-	260,031	4	-	260,035	260,035
25	A597	Maintenance of Meters		-	-	12,685,193	-	12,685,193	12,685,193
26	A598	Maintenance of Miscellaneous Distribution Plant		-	87,974	1	-	87,975	87,975
27		Subtotal 591-598		135,249	54,061,696	12,753,554	-	66,950,499	66,815,250
28									
29	A590	Maintenance Supervision and Engineering		4,375	1,921,339	704,408	-	2,630,122	2,625,747
30									
31		<u>Distribution-Maintenance Total Payroll</u>	II-D-3	139,624	55,983,035	13,457,962	-	69,580,621	69,440,997
32									
33		TOTAL DISTRIBUTION PAYROLL	II-D-3	197,904	121,215,401	23,072,421	764	144,486,489	144,288,585

2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC CONSOLIDATED FUNCTIONALIZED COST OF SERVICE TEST YEAR ENDING 12/31/2021 SPONSOR: MATTHEW A. TROXLE									
Line	Acct	Customer and Sales Payroll	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(j)	(k)
1		<u>Customer Accounting Payroll</u>	II-D-3						
2	A902	Meter Reading Expenses		-	-	-	-	-	-
3	A903	Customer Records and Collection Expenses		-	10,734	8,003,099	1,248,666	9,262,498	9,262,498
4		Subtotal 902-903		-	10,734	8,003,099	1,248,666	9,262,498	9,262,498
5									
6	A901	Supervision		-	114	9,829	1,486	11,429	11,429
7	A904	Uncollectible Accounts		-	-	-	-	-	-
8	A905	Miscellaneous Customer Account Expenses		-	-	-	-	-	-
9		Subtotal 901,904,905		-	114	9,829	1,486	11,429	11,429
10									
11		Subtotal: Customer Accounting Payroll		-	10,848	8,012,928	1,250,152	9,273,927	9,273,927
12									
13		<u>Cust Service & Info Payroll</u>	II-D-3						
14	A906	Customer Service and Informational Expenses		-	-	-	-	-	-
15	A908	Customer Assistance Expenses		-	-	-	-	-	-
16	A909	Informational and Instructional Advertising Expenses		-	-	-	-	-	-
17		Subtotal 906,908,909		-	-	-	-	-	-
18									
19	A907	Supervision		-	-	-	-	-	-
20	A910	Misc. Cust Service & Inform		-	-	-	-	-	-
21		Subtotal 907,910		-	-	-	-	-	-
22									
23		Subtotal: Cust. Service & Information Payroll		-	-	-	-	-	-
24									
25		<u>Sales Payroll</u>	II-D-3						
26	A912	Demonstrating & Selling Exp		-	-	-	-	-	-
27	A913	Advertising Exp		-	-	-	-	-	-
28	A917	Sales Expense		-	-	-	-	-	-
29		Subtotal 912,913,917		-	-	-	-	-	-
30									
31	A911	Supervision		-	-	-	-	-	-
32	A916	Misc Sales Exp		-	-	-	-	-	-
33		Subtotal 911,916		-	-	-	-	-	-
34									
35		Subtotal: Sales Payroll		-	-	-	-	-	-
36									
37		TOT. CUST ACCT., SERV , INFO., & SALES PAYROLL		-	10,848	8,012,928	1,250,152	9,273,927	9,273,927
38									
39		TOTAL PAYROLL EXCLUDING A&G	II-D-3	44,571,844	122,018,540	31,085,349	1,250,915	198,926,648	154,354,804

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR MATTHEW A. TROXLE

Line	Acct	Administrative & General Payroll	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Administrative & General Payroll	II-D-3						
2	A920	Administrative and General Salaries		19,675,692	48,295,262	13,067,164	17,818,910	98,857,028	79,181,336
3	A921	Office Supplies and Expenses		-	-	-	-	-	-
4	A922	Admin Expense Transferred - Credit		-	-	-	-	-	-
5	A923	Outside Services Employed		-	-	-	-	-	-
6	A924	Property Insurance		-	-	-	-	-	-
7	A925	Injuries and Damages		-	-	-	-	-	-
8	A926	Employee Pensions and Benefits		-	-	-	-	-	-
9	A928	Regulatory Commission Expenses		-	-	-	-	-	-
10	A930	General Advertising Expenses		-	-	-	-	-	-
11	A930 ;	Miscellaneous General Expenses		-	-	-	-	-	-
12	A931	Rents		-	-	-	-	-	-
13	A932	Maintenance of General Plant		-	3,118	17	-	3,135	3,135
14	A935	Maintenance of General Plant		718,783	1,273,875	213	4	1,992,875	1,274,092
15		TOTAL A&G PAYROLL		20,394,475	49,572,256	13,067,393	17,818,914	100,853,037	80,458,563
16									
17		Subtotal 921-935		718,783	1,276,993	229	4	1,996,010	1,277,227
18									
19		TOTAL PAYROLL	II-D-3	64,966,318	171,590,796	44,152,742	19,069,829	299,779,685	234,813,367

2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC CONSOLIDATED FUNCTIONALIZED COST OF SERVICE TEST YEAR ENDING 12/31/2021 SPONSOR: MATTHEW A. TROXLE									
Line	Acct	Exclusions	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(k)
1		Legislative Advocacy	II-E-4.2	-	-	-	-	-	-
2		Penalties and Fines	II-E-4.2	-	-	-	-	-	-
3		Other Exclusions	II-D-4	-	-	-	-	-	-
4		Social/Recreational/Religious	II-D-4	-	-	-	-	-	-
5		Political	II-D-4	-	-	-	-	-	-
6									
7		TOTAL EXCLUSIONS FROM REPORTING PERIOD		-	-	-	-	-	-

2022 RATE CASE									
ONCOR ELECTRIC DELIVERY COMPANY LLC									
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE									
TEST YEAR ENDING 12/31/2021									
SPONSOR: MATTHEW A TROXLE									
Line	Acct	Intangible & Operating Depr & Amortization Exp	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		<u>Depreciation and Amortization Expense</u>							
2									
3		Intangible Plant Depreciation & Amortization Expense	II-E-1						
4	A301	Organization		-	-	-	-	-	-
5	A302	Franchise and Consents		-	-	-	-	-	-
6	A303	Miscellaneous Intangible Plant		25,229,269	29,112,436	3,894,383	22,267,462	80,503,550	55,274,281
7		Subtotal		25,229,269	29,112,436	3,894,383	22,267,462	80,503,550	55,274,281
8									
9		Transmission Plant Depreciation & Amortization Expense	II-E-1						
10	A350	Land and Land Rights		6,022,981	-	-	-	6,022,981	-
11	A352	Structures and Improvements		11,703,427	-	-	-	11,703,427	-
12	A353	Station Equipment		83,049,191	9,346,418	-	-	92,395,609	9,346,418
13	A354	Towers and Fixtures		37,740,833	-	-	-	37,740,833	-
14	A355	Poles and Fixtures		89,864,312	-	-	-	89,864,312	-
15	A356	O H Conductors & Devices		82,695,046	-	-	-	82,695,046	-
16	A357	Underground Conduit		1,056,605	-	-	-	1,056,605	-
17	A358	Underground Conductors		1,915,431	-	-	-	1,915,431	-
18	A359	Roads and Trails		-	-	-	-	-	-
19		Subtotal		314,047,827	9,346,418	-	-	323,394,245	9,346,418
20									
21		Distribution Plant Depreciation & Amortization Expense	II-E-1						
22	A360	Land and Land Rights		18,273	292,757	-	-	311,030	292,757
23	A361	Structures and Improvements		1,442,476	2,856,984	-	-	4,299,459	2,856,984
24	A362	Station Equipment		12,741,264	36,683,881	-	-	49,425,144	36,683,881
25	A363	Storage Battery Equipment		-	-	-	-	-	-
26	A364	Poles, Towers & Fixtures		-	95,063,646	-	-	95,063,646	95,063,646
27	A365	O H Conductors & Devices		-	53,354,377	-	-	53,354,377	53,354,377
28	A366	Underground Conduits		-	23,578,854	-	-	23,578,854	23,578,854
29	A367	U G Conductors & Devices		-	56,736,034	-	-	56,736,034	56,736,034
30	A368	Line Transformers		-	56,703,640	-	-	56,703,640	56,703,640
31	A369	Services		-	50,246,720	-	-	50,246,720	50,246,720
32	A370	Meters		-	-	17,195,295	-	17,195,295	17,195,295
33	A371	Install on Customer Prem		-	2,390,143	-	-	2,390,143	2,390,143
34	A372	Leased Prop on Cust Premises		-	-	-	-	-	-
35	A373	Street Lights		-	21,013,687	-	-	21,013,687	21,013,687
36		Subtotal		14,202,012	398,920,722	17,195,295	-	430,318,030	416,116,017

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	General Plant Depreciation & Amortization Exp	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		General Plant Depreciation & Amortization Expense	II-E-1						
2									
3	A389	Land and Land Rights		1,237	1,611	68	0	2,916	1,679
4	A390	Structures and Improvements		1,787,386	2,871,490	489,732	269,972	5,418,581	3,631,194
5	A391	Office Furniture & Equip		8,815,814	11,253,948	8,476,614	10,258,436	38,804,811	29,986,997
6	A392	Transportation equipment		734,899	1,013,263	-	-	1,748,162	1,013,263
7	A393	Store Equipment		66,491	179,893	32,050	-	278,434	211,944
8	A394	Tools, Shop & Garage Equip		989,704	1,613,751	160,871	-	2,764,326	1,774,622
9	A395	Lab Equip		1,976,031	1,151,258	242,610	-	3,369,899	1,393,868
10	A396	Power Operated Equipment		194,374	479,878	61,488	-	735,739	541,366
11	A397	Communication Equipment		5,747,202	3,522,760	289,427	133,407	9,682,796	3,945,594
12	A398	Misc Equip		352,649	349,716	71,827	-	774,191	421,543
13	A399	Other Tangible Property - Depr		-	-	-	-	-	-
14	A399	Other Tangible Property - Depletable		-	-	-	-	-	-
15		Subtotal		20,665,788	22,437,568	9,824,686	10,661,815	63,589,857	42,924,069
16									
17		DEPRECIATION & AMORTIZATION II-E-1	II-E-1	374,144,896	459,817,145	30,914,364	32,929,277	897,805,682	523,660,786
18									
19		MISC. OTHER EXPENSES FROM SCHEDULE II-E-4	II-E-4	22,721	97	-	-	22,818	97
20		AMORTIZATION FROM SCHEDULE II-E-4.1	II-E-4.1	1,145,044	(2,773,001)	25,459,958	-	23,832,001	22,686,957
21									
22		TOTAL DEPRECIATION & AMORTIZATION		375,312,661	457,044,241	56,374,322	32,929,277	921,660,501	546,347,840

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR. MATTHEW A. TROXLE

Line	Acct	Taxes Other than Income Taxes	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1		Taxes Other than Income Taxes							
2									
3		Payroll-Related	II-E-2						
4	FICA			3,815,149	10,525,362	2,869,720	115,481	17,325,713	13,510,564
5	FUTA			47,756	131,750	35,921	1,446	216,873	169,117
6	SUTA			65,638	181,083	49,372	1,987	298,080	232,442
7		Total Payroll		3,928,542	10,838,196	2,955,014	118,914	17,840,666	13,912,123
8									
9		Property Related	II-E-2						
10	Ad Valorem			141,317,044	132,463,225	4,504,909	3,841,558	282,126,736	140,809,692
11		Total Property		141,317,044	132,463,225	4,504,909	3,841,558	282,126,736	140,809,692
12									
13		Non-Revenue Related	II-E-2						
14	Texas Gross Margin Tax			5,047,172	21,065,901	1,078,537	549,068	27,740,679	22,693,506
15	Municipal Franchise Fees			-	283,082,877	-	-	283,082,877	283,082,877
16		Total Non-Revenue Related		5,047,172	304,148,778	1,078,537	549,068	310,823,556	305,776,383
17									
18		TOTAL TAXES OTHER THAN INCOME TAXES	II-E-2	150,292,758	447,450,199	8,538,460	4,509,540	610,790,957	460,498,199

2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC CONSOLIDATED FUNCTIONALIZED COST OF SERVICE TEST YEAR ENDING 12/31/2021 SPONSOR: MATTHEW A. TROXLE									
Line	Acct	Federal Income Taxes	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Federal Income Taxes							
2									
3		Return on Rate Base	II-B	636,401,499	638,839,835	29,703,070	14,457,605	1,319,402,009	683,000,510
4									
5		Deductions:	II-E-3						
6		Synchronized Interest		217,550,016	218,383,547	10,153,815	4,942,245	451,029,623	233,479,607
7		ITC Amortization		580,487	191,148	-	-	771,635	191,148
8		Amortization of Protected Excess ADFIT		8,494,637	7,133,575	242,604	206,881	16,077,697	7,583,060
9		Amortization of Non-protected Excess ADFIT		13,164,048	20,604,260	2,549,533	(217,594)	36,100,247	22,936,199
10		Amortization of Excess ADFIT Reserve		43,509	(1,676,943)	(57,031)	(48,633)	(1,739,098)	(1,782,607)
11		R&D Credit		233,886	253,322	8,615	7,347	503,170	269,284
12		Amortization of Organizational Expenditures		28,038	85,706	4,388	2,234	120,366	92,328
13									
14									
15		Subtotal		240,094,621	244,974,615	12,901,925	4,892,479	502,863,640	262,769,019
16									
17		Additions	II-E-3						
18		Depreciation Differences		130,507	141,353	4,807	4,099	280,766	150,259
19		Meals & Entertainment		373,833	1,031,344	281,194	11,316	1,697,686	1,323,853
20		Social Club Dues		-	-	-	-	-	-
21		Commuter Expenses		312,762	862,857	235,256	9,467	1,420,342	1,107,581
22		Employee Compensation Plans		(1,426,489)	(2,460,478)	(815,018)	(267,716)	(4,969,701)	(3,543,212)
23		FIN 48 Interest		-	-	-	-	-	-
24		Prior Period Adjustments		-	-	-	-	-	-
25		Subtotal		(609,388)	(424,925)	(293,761)	(242,834)	(1,570,907)	(961,519)
26									
27		Taxable Component of Return		395,697,491	393,440,295	16,507,384	9,322,292	814,967,462	419,269,971
28		Tax Factor	II-E-3	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	79 7468%
29									
30		Federal Income Taxes Before Adjust		105,185,409	104,585,395	4,388,039	2,478,078	216,636,920	111,451,511
31									
32		Tax Credits	II-E-3						
33		ITC Amortization		580,487	191,148	-	-	771,635	191,148
34		Amortization of Protected Excess ADFIT		8,494,637	7,133,575	242,604	206,881	16,077,697	7,583,060
35		Amortization of Non-protected Excess ADFIT		13,164,048	20,604,260	2,549,533	(217,594)	36,100,247	22,936,199
36		Amortization of Excess ADFIT Reserve		43,509	(1,676,943)	(57,031)	(48,633)	(1,739,098)	(1,782,607)
37		R&D Credit		233,886	253,322	8,615	7,347	503,170	269,284
38		Subtotal		22,516,566	26,505,363	2,743,722	(52,000)	51,713,651	29,197,084
39									
40		ADD.	II-E-3						
41		Depreciation Differences		130,507	141,353	4,807	4,099	280,766	150,259
42		FIN 48 Interest		-	-	-	-	-	-
43		Prior period adjustments		-	-	-	-	-	-
44									
45									
46		Subtotal		130,507	141,353	4,807	4,099	280,766	150,259
47									
48		TOTAL FEDERAL INCOME TAXES	II-E-3	82,799,350	78,221,385	1,649,125	2,534,176	165,204,036	82,404,686

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

Line	Acct	Misc Other Expenses	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(j)	(j)	(k)
1		<u>Misc.Other Expenses</u>							
2									
3		Misc.Items							
4	A431	Interest On Customer Deposits	II-E-4	22,721	97	-	-	22,818	97
5									
6		TOTAL OTHER EXPENSES EXCLUDING FIT		524,460,376	907,267,441	39,452,824	37,438,817	1,508,619,457	984,159,082
7									
8		TOTAL OTHER EXPENSES INCLUDING FIT		607,259,725	985,488,826	41,101,949	39,972,993	1,673,823,493	1,066,563,768
9									
10		TOTAL EXPENSES		851,798,189	3,373,712,709	175,732,623	90,126,801	4,491,370,323	3,639,572,133
11									
12		TOTAL EXPENSES EXCL 565 & RCE A928		851,798,189	1,719,544,061	175,732,623	90,126,801	2,837,201,676	1,985,403,486

2022 RATE CASE
 ONCOR ELECTRIC DELIVERY COMPANY LLC
 CONSOLIDATED FUNCTIONALIZED COST OF SERVICE
 TEST YEAR ENDING 12/31/2021
 SPONSOR: MATTHEW A. TROXLE

Line	Acct	Other Revenues	Source	TRAN	DIST	MET	TDCS	Total	DIST + MET + TBILLTDCS
	(a)	(b)	(c)	(d)	(e)	(f)	(i)	(j)	(k)
1		Other Revenues:	II-E-5						
2		Non-Electric Revenue							
3	A442	Power Factor		-	17,616,778	-	-	17,616,778	17,616,778
4	A450	Forfeited Discounts		-	1,070,706	-	-	1,070,706	1,070,706
5	A451	Misc Service Revenues - Discretionary		-	17,168,858	5,094,631	205,015	22,468,503	22,468,503
6	A451	Misc Service Revenues - Other		-	456,565	-	-	456,565	456,565
7	A454a	Rent from Property Pole Contacts		-	8,281,656	-	-	8,281,656	8,281,656
8	A454b	Rent from Property Fiber Optics, Overhead	WP II-I-1 2	115,361	127,189	-	-	242,550	127,189
9	A454b	Rent from Property Fiber Optics, Underground	WP II-I-1 2	845,978	932,722	-	-	1,778,700	932,722
10	A454c	Rent from Property Antenna Lease		14,538,318	-	-	-	14,538,318	-
11	A454d	Rent from Property Third Party		609,107	16,700	-	-	625,807	16,700
12	A454e	Rent from Property Right Of Way & Misc		464,684	-	-	-	464,684	-
13	A456	Other Electric Revenues		26,449,887	6,086,808	-	-	32,536,694	6,086,808
14		Subtotal		43,023,335	51,757,982	5,094,631	205,015	100,080,962	57,057,628
15									
16		TOTAL OTHER REVENUES	II-E-5	43,023,335	51,757,982	5,094,631	205,015	100,080,962	57,057,628
17									
18		TOTAL COST OF SERVICE		1,488,199,688	4,012,552,544	205,435,693	104,584,406	5,810,772,332	4,322,572,643
19									
20		TOTAL REVENUE REQUIREMENT		1,445,176,353	3,960,794,562	200,341,062	104,379,391	5,710,691,369	4,265,515,016
21									
22		TOTAL COST OF SERVICE EXCL 565 & RCE A928		1,488,199,688	2,358,383,897.14	205,435,693	104,584,406	4,156,603,685	2,668,403,996
23									
24		TOTAL REVENUE REQUIREMENT EXCL 565 & RCE A928		1,445,176,353	2,306,625,915	200,341,062	104,379,391	4,056,522,722	2,611,346,369

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.5 - PROPOSED RETURNS - After Adjustments for Customer Impact

Line	Description (a)	Total TX (b)	Residential (c)	Secondary <=10kW (d)	Secondary >10kW (e)	Primary DL <=10kW (f)	Primary DL >10kW (g)	Primary Substation (h)	Transmission (i)	Lighting (j)	Wholesale Substation (k)	Wholesale DLS (l)
1	Total Present Revenues from Current Rates	\$4,035,406,604	\$1,939,300,047	\$105,499,418	\$1,505,245,784	\$1,271,271	\$273,863,282	\$31,622,520	\$114,713,121	\$61,122,613	\$608,356	\$2,160,192
2	Maximum Proposed Wholesale Pct Increase											
3	Maximum Proposed Wholesale Revenue	\$0										
4	Cost-Based Wholesale Revenue Requirement	\$8,341,187									\$1,573,454	\$6,767,733
5	Retail Rate Base, excluding Lighting	\$9,599,102,834	5,387,717,301	217,035,207	3,375,832,753	3,478,067	544,065,570	51,350,344	19,623,592	-	-	-
6	Wholesale Adjustment Allocation Factor	1 000000	0 561273	0 022810	0 351682	0 000362	0 056679	0 005349	0 002044	0.000000	0 000000	0 000000
7	Proposed Revenue Adjustment, Wholesale	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Tax Rate	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%	21%
9	After Tax Return Adjustment for Wholesale Impact	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10												
11	Rate Base	\$9,687,950,497	\$5,387,717,301	\$217,035,207	\$3,375,832,753	\$3,478,067	\$544,065,570	\$51,350,344	\$19,623,592	\$55,641,786	\$6,129,597	\$27,076,279
12												
13	Return on Rate Base (unadjusted)	\$683,000,510	\$379,834,070	\$15,300,982	\$237,996,209	\$245,204	\$38,356,623	\$3,620,199	\$1,383,463	\$3,922,746	\$432,137	\$1,908,878
14	After Tax Return Adjustment for Wholesale Impact	0	0	0	0	0	0	0	0	0	0	0
15	Return on Rate Base (adjusted)	\$683,000,510	\$379,834,070	\$15,300,982	\$237,996,209	\$245,204	\$38,356,623	\$3,620,199	\$1,383,463	\$3,922,746	\$432,137	\$1,908,878
16												
17	FIT Deductions	\$262,769,019	146,133,153	5,941,191	91,492,993	97,216	14,775,252	1,390,498	535,812	1,504,330	165,970	732,605
18	FIT Additions	(\$961,519 45)	(445,758)	(44,880)	(393,865)	(1,861)	(47,294)	3,787	(1,672)	(27,977)	(116)	(1,883)
19												
20	Taxable Component of Return	\$419,269,971	233,255,159	9,314,911	146,109,351	146,127	23,534,076	2,233,489	845,979	2,390,440	266,051	1,174,389
21	Tax Factor	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%	26 5823%
22	Federal Income Taxes Before Credits & Adds	\$111,451,511	62,004,536	2,476,116	38,839,195	38,844	6,255,894	593,712	224,881	635,433	70,722	312,179
23												
24	FIT Credits	\$29,197,084	16,237,820	708,530	10,103,309	13,359	1,658,072	152,467	62,693	162,836	18,188	79,810
25	FIT Additions	\$150,259	83,562	3,311	52,429	51	8,420	799	301	869	95	422
26	Total Federal Income Taxes (adjusted)	\$82,404,686	45,850,278	1,770,897	28,788,315	25,536	4,606,241	442,044	162,488	473,466	52,629	232,791
27	FIT as originally calculated	\$82,404,686	45,850,278	1,770,897	28,788,315	25,536	4,606,241	442,044	162,488	473,466	52,629	232,791
28	Adjustment for FIT	\$0	0	0	0	0	0	0	0	0	0	0
29	Rate Case Expense A928	\$1,646,626	824,746	33,961	560,216	623	114,082	22,961	63,197	23,633	605	2,602
30	Operating+Maintenance Exp (less Acct 565& Dist A)	\$897,799,387	\$483,978,151	\$25,615,767	\$293,635,258	\$709,516	\$58,569,565	\$4,532,762	\$1,445,537	\$26,201,895	\$529,429	\$2,581,508
31	Transmission of Electricity Costs (Acct 565)	1,652,522,021	758,188,213	21,192,617	551,175,464	219,196	138,570,540	45,384,309	137,791,683	-	-	-
32	Depreciation, Amortization, & Other Expenses	546,347,840	293,773,706	17,898,989	175,240,361	385,591	29,457,396	1,951,234	869,061	25,252,299	\$232,808	1,286,394
33	Taxes Other Than FIT	460,498,199	210,697,997	8,641,669	178,652,944	71,540	28,656,332	3,850,802	22,791,529	5,993,923	330,065	811,399
34	Total Federal Income Taxes (adjusted)	82,404,686	45,850,278	1,770,897	28,788,315	25,536	4,606,241	442,044	162,488	473,466	52,629	232,791
35	Return on Rate Base (adjusted)	\$83,000,510	\$379,834,070	\$15,300,982	\$237,996,209	\$245,204	\$38,356,623	\$3,620,199	\$1,383,463	\$3,922,746	\$432,137	\$1,908,878
36	Total Cost of Service (adjusted)	\$4,322,572,643	2,172,322,414	90,420,922	1,465,488,550	1,656,583	298,216,696	59,781,351	164,443,761	61,844,329	1,577,067	6,820,969
37	Total Cost of Service (unadjusted)	\$4,322,572,643	2,172,322,414	90,420,922	1,465,488,550	1,656,583	298,216,696	59,781,351	164,443,761	61,844,329	1,577,067	6,820,969
38	Revenue Adjustment for Customer Impact	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
39												
40	Total Cost of Service (adjusted)	\$4,322,572,643	2,172,322,414	90,420,922	1,465,488,550	1,656,583	298,216,696	59,781,351	164,443,761	61,844,329	1,577,067	6,820,969
41	Total Other Revenue	\$57,057,628	\$36,873,131	\$2,417,394	\$14,530,138	\$37,722	\$2,409,773	\$131,631	\$67,300	\$533,689	\$3,613	\$53,236
42	Proposed Revenue (adjusted)	\$4,265,515,016	\$2,135,449,284	\$88,003,528	\$1,450,958,412	\$1,618,861	\$295,806,924	\$59,649,719	\$164,376,461	\$61,310,640	\$1,573,454	\$6,767,733
43	Total Electric Delivery Revenue: Current Rates	\$3,995,965,754	\$1,921,088,302	\$95,557,181	\$1,496,280,418	\$1,232,285	\$272,480,897	\$31,568,643	\$114,615,138	\$60,374,542	\$608,356	\$2,160,192
44	Increase/(Decrease)	\$269,549,262	\$214,360,982	(\$7,553,653)	(\$45,322,005)	\$386,576	\$23,326,226	\$28,081,077	\$49,761,323	\$936,098	\$965,098	\$4,607,541
45	Increase/(Decrease) Percentage	6 75%	11.16%	-7.90%	-3.03%	31 37%	8 56%	88 95%	43 42%	1 55%	158 64%	213.29%

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER 1.6 - SUMMARY OF ELECTRIC DELIVERY REVENUES BY RATE CLASS

Line	Test Year ¹	Change	Proposed ²	Change Pct
	(a)	(b)	(c)	(d)
1 Revenue from Electric Delivery	3,981,676,756	283,838,260	4,265,515,016	7.13%
2 plus Other Revenues(includes PF)	53,729,847	3,327,780	57,057,628	6.19%
3 minus Total Cost of Service	\$ 4,322,572,643	\$ -	\$ 4,322,572,643	
4 Revenue Shortfall	\$ (287,166,040)	\$ 287,166,040	\$0	
5				
6 Residential	\$ 1,939,300,047	\$ 196,149,237	\$2,135,449,284	10.11%
7 Secondary <= 10 kW	\$ 105,499,418	(17,495,890)	\$88,003,528	-16.58%
8 Secondary > 10 kW	\$ 1,505,245,784	(54,287,372)	\$1,450,958,412	-3.61%
9 Primary DL <= 10 kW	\$ 1,271,271	347,590	\$1,618,861	27.34%
10 Primary DL > 10 kW	\$ 273,863,282	21,943,642	\$295,806,924	8.01%
11 Primary Substation	\$ 31,622,520	28,027,200	\$59,649,719	88.63%
12 Transmission	\$ 114,713,121	49,663,340	\$164,376,461	43.29%
13 Lighting Total	\$ 61,122,613	188,027	\$61,310,640	0.31%
14 Retail Electric Delivery Revenues	\$ 4,032,638,056	\$ 224,535,773	\$ 4,257,173,829	5.57%
15 Wholesale Substation	\$ 608,356	965,098	\$1,573,454	158.64%
16 Wholesale DLS	\$ 2,160,192	4,607,541	\$6,767,733	213.29%
17 Total Electric Delivery Revenues	4,035,406,604	230,108,412	\$4,265,515,016	5.70%

¹ Test-Year revenues have been adjusted to normalize billing units, to remove the revenues associated with Energy Efficiency Cost Recovery Factor and to increase test-year revenues to reflect TCOS, TCRF and DCRF adjustments.

² TCRF proposed revenue from Oncor Electric Delivery - Transmission Revenue Requirement for Retail Delivery Service, found on Iteration workbook, Wholesale_NTS_RO tab, Excel Row 59 Column H.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1: CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 1.7 - REVENUE REQUIREMENTS BY RATE CLASS

Line	Description (a)	Residential (b)	Secondary <=10kW (c)	Secondary >10kW (d)	Primary DL <=10kW (e)	Primary DL >10kW (f)	Primary Substation (g)	Transmission (h)	Lighting (i)	Wholesale Substation (j)	Wholesale DLS (k)	Total TX (l)
1	TRAN Function (TCOS) *	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1,445,176,353
2	RCE A928	824,746	33,961	560,216	623	114,082	22,961	63,197	23,633	605	2,602	1,646,626
3	DIST Function (cost-based)	1,966,558,316	62,349,174	1,369,989,856	515,183	272,378,641	58,811,986	162,461,695	59,696,005	1,481,240	6,552,466	3,960,794,562
4	Proposed Revenue Adjustment, Wholesale	-	-	-	-	-	-	-	-	-	-	-
5	DIST Function (adjusted)	1,966,558,316	62,349,174	1,369,989,856	515,183	272,378,641	58,811,986	162,461,695	59,696,005	1,481,240	6,552,466	3,960,794,562
6	Acct 565	758,188,213	21,192,617	551,175,464	219,196	138,570,540	45,384,309	137,791,683	-	-	-	1,652,522,021
7	Proposed DSC**	1,207,545,358	41,122,596	818,254,176	295,364	133,694,019	13,404,715	24,606,815	59,672,372	1,480,635	6,549,864	2,306,625,915
8												
9	MET Function	111,684,992	17,198,917	53,110,886	744,279	15,544,460	532,403	1,172,829	142,786	62,823	146,686	200,341,062
10												
11	CUSTOMER Function (TBILL+TDCS)	57,205,975	8,455,437	27,857,670	359,398	7,883,823	305,331	741,937	1,471,849	29,391	68,581	104,379,391
12	Proposed Revenue Requirement	2,135,449,284	88,003,528	1,450,958,412	1,618,861	295,806,924	59,649,719	164,376,461	61,310,640	1,573,454	6,767,733	4,265,515,016
13												
14	Proposed Revenue Req ex 565 and RCE 928	1,376,436,325	66,776,950	899,222,733	1,399,041	157,122,302	14,242,449	26,521,581	61,287,007	1,572,849	6,765,131	2,611,346,369
15												

* Transmission Function is not allocated to retail classes in this process.

TRAN Function is used to calculate Oncor Electric Delivery's TCOS Rate This TCOS Rate and other TSPs TCOS Rates are used to calculate total costs for Account 565
See Schedules IV-J-7 TCRF tab

** DIST function excluding Accounts A565 and Rate Case Expense portion of A928

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-1- CLASS REVENUE REQUIREMENT ANALYSIS
TEST YEAR ENDING 12/31/2021
SPONSOR MATTHEW A TROXLE

WORKPAPER 1.9 -DCRF BASELINE

Line	Rate Class	(1) DIC _{RC}	(2) ROR _{AT}	(3) = (1) * (2) Return	(4) DEPR _{RC-CLASS}	(5) FIT _{RC-CLASS}	(6) OT _{RC-CLASS}	(7) = (3)+(4)+(5)+(6) DISTREV _{RC-CLASS}	(8) = Sch H col (9) % GROWTH _{CLASS}	(9) = (7)*(8) DISTREV*GROWTH	(10) TNETDISTPLT _{CLASS}	(11)=(10)/Σ(10) ALLOCC _{CLASS}
1	Residential	5,387,717,301		379,834,070	293,773,706	45,850,278	89,438,446	808,896,500		0	5,825,831,649	55.6642%
2	Sec < 10 kW	217,035,207		15,300,982	17,898,989	1,770,897	4,154,563	39,125,431		0	235,478,345	2.2499%
3	Sec > 10 kW	3,375,832,753		237,996,209	175,240,361	28,788,315	55,064,232	497,089,117		0	3,630,179,739	34.6853%
4	Pri < 10 kW	3,478,067		245,204	385,591	25,536	55,352	711,683		0	3,563,834	0.0341%
5	Pri > 10 kW	544,065,570		38,356,623	29,457,396	4,606,241	8,513,196	80,933,456		0	579,354,581	5.5356%
6	Pri > 10 kW Sub	51,350,344		3,620,199	1,951,234	442,044	745,471	6,758,949		0	54,302,788	0.5189%
7	Transmission	19,623,592		1,383,463	869,061	162,488	214,413	2,629,425		0	13,554,838	0.1295%
8	Lighting	55,641,786		3,922,746	25,252,299	473,466	4,801,842	34,450,353		0	87,990,668	0.8407%
9	Wh Subst	6,129,597		432,137	232,808	52,629	89,158	806,732		0	6,501,167	0.0621%
10	Wh DLS	27,076,279		1,908,878	1,286,394	232,791	426,525	3,854,588		0	29,277,289	0.2797%
11	Total	9,687,950,497	7.050000%	683,000,510	546,347,840	82,404,686 12.085099%	163,503,199 2.708646%	1,475,256,234		0	10,466,034,897	
12	<u>DCRF Exclusions</u>											
13	Rate Class	(1) DIC _{RC}	(2) ROR _{AT}	(3) = (1) * (2) Return	(4) DEPR _{RC-CLASS}	(5) FIT _{RC-CLASS}	(6) OT _{RC-CLASS}	(7) = (3)+(4)+(5)+(6) DISTREV _{RC-CLASS}	(8) = Sch H col (9) % GROWTH _{CLASS}	(9) = (7)*(8) DISTREV*GROWTH	(10) TNETDISTPLT _{CLASS}	<u>DCRF Exclusions</u>
14	Residential	146,101,756		10,300,174	18,091,931	1,242,726	2,465,754	32,100,585			146,101,756	
15	Sec < 10 kW	2,711,756% 8,584,574		605,212	2,440,500	73,019	144,882	3,263,614			8,584,574	
16	Sec > 10 kW	3,955,383% 87,563,183		6,173,204	9,056,197	744,803	1,477,801	17,452,006			87,563,183	
17	Pri < 10 kW	2,593,825% 232,238		16,373	102,210	1,975	3,919	124,477			232,238	
18	Pri > 10 kW	6,677,227% 15,468,856		1,090,554	2,398,630	131,576	261,067	3,881,828			15,468,856	
19	Pri > 10 kW Sub	2,843,197% 1,254,438		88,438	100,129	10,670	21,171	220,408			1,254,438	
20	Transmission	2,442,900% 529,275		37,314	162,889	4,502	8,933	213,637			529,275	
21	Lighting	2,697,136% 1,882,171		132,693	61,527	16,010	31,765	241,995			1,882,171	
22	Wh Subst	3,382,658% 149,696		10,554	11,677	1,273	2,526	26,031			149,696	
23	Wh DLS	2,442,181% 646,081		45,549	34,688	5,496	10,904	96,636			646,081	
24	Total	2,386,153% 262,412,268 2.708646%	7.050000%	18,500,065	32,460,379	2,232,051	4,428,723	57,621,218			262,412,268	

DISTREV After DCRF Exclusions											After DCRF Exclusions		
1	Rate Class	(1) DIC _{RC}	(2) ROR _{AT}	(3) = (1) * (2) Return	(4) DEPR _{RC-CLASS}	(5) FIT _{RC-CLASS}	(6) OT _{RC-CLASS}	(7) = (3)+(4)+(5)+(6) DISTREV _{RC-CLASS}	(8) = Sch H col (9) % GROWTH _{CLASS}	(9) = (7)*(8) DISTREV*GROWTH	(10) TNETDISTPLT _{CLASS}	(11)=(10)/Σ(10) ALLOC _{CLASS}	
2	Residential	5,241,615,544		369,533,896	275,681,775	44,607,552	86,972,692	776,795,915	0.00%	0	5,679,729,893	55.6639%	
3	Sec < 10 kW	208,450,634		14,695,770	15,458,489	1,697,878	4,009,681	35,861,817	0.00%	0	226,893,771	2.2237%	
4	Sec > 10 kW	3,288,269,570		231,823,005	166,184,164	28,043,512	53,586,431	479,637,111	0.00%	0	3,542,616,556	34.7192%	
5	Pri < 10 kW	3,245,828		228,831	283,382	23,561	51,432	587,205	0.00%	0	3,331,596	0.0327%	
6	Pri > 10 kW	528,596,714		37,266,068	27,058,766	4,474,665	8,252,129	77,051,628	0.00%	0	563,885,725	5.5263%	
7	Pri > 10 kW Sub	50,095,907		3,531,761	1,851,105	431,374	724,300	6,538,541	0.00%	0	53,048,350	0.5199%	
8	Transmission	19,094,318		1,346,149	706,172	157,986	205,481	2,415,788	0.00%	0	13,025,563	0.1277%	
9	Lighting	53,759,615		3,790,053	25,190,772	457,457	4,770,076	34,208,358	0.00%	0	86,108,497	0.8439%	
10	Wh Subst	5,979,901		421,583	221,130	51,356	86,632	780,701	0.00%	0	6,351,471	0.0622%	
11	Wh DLS	<u>26,430,198</u>		<u>1,863,329</u>	<u>1,251,706</u>	<u>227,295</u>	<u>415,821</u>	<u>3,757,952</u>	0.00%	<u>0</u>	<u>28,631,207</u>	<u>0.2806%</u>	
12	Total	9,425,538,229	7.050000%	664,500,445	513,887,461	80,172,635	159,074,476	1,417,635,017		0	10,203,622,630		
13	Exclusions of General Plant Investment from DISTREV												
14	A portion of Account 391 is updated in DCRF and Account 397 is updated in DCRF												
15	GROSS PLANT												
16	Rate Class	Total	388	389	390	391 class alloc	392	393	394	395	396	398	
17	Residential	166,899,506	14,407,617	45,702	100,167,499	55.70%	6,603,094	7,077,929	2,117,459	15,894,021	11,954,262	4,763,767	3,868,156
18	Sec < 10 kW	9,668,019	914,786	1,745	5,918,962	5.97%	707,668	235,287	109,166	701,556	649,350	221,099	208,400
19	Sec > 10 kW	100,207,664	8,546,411	28,610	59,990,111	29.89%	3,542,737	4,476,282	1,288,840	9,827,153	7,233,369	2,931,354	2,342,797
20	Pri < 10 kW	257,908	26,540	23	161,002	0.23%	27,543	1,621	2,553	12,876	16,173	4,436	5,142
21	Pri > 10 kW	17,622,262	1,549,369	4,509	10,617,165	6.84%	811,238	686,054	218,842	1,601,330	1,247,078	483,750	402,927
22	Pri > 10 kW Sub	1,438,562	120,970	430	858,706	0.37%	43,881	68,010	18,792	145,779	104,766	43,259	33,969
23	Transmission	594,824	57,016	99	365,230	0.39%	46,514	12,878	6,593	41,159	39,557	13,101	12,678
24	Lighting	2,166,480	177,599	701	1,286,719	0.40%	47,448	112,976	29,000	232,264	159,632	68,274	51,866
25	Wh Subst	171,695	14,422	52	102,465	0.04%	5,174	8,151	2,245	17,442	12,513	5,174	4,057
26	Wh DLS	742,611	61,468	233	441,856	0.16%	18,682	37,241	9,865	77,929	54,609	23,001	17,727
27	Total	299,769,533	25,876,197	82,104	179,909,716	100.00%	11,853,979	12,716,429	3,803,355	28,551,509	21,471,308	8,557,216	6,947,719
28	Check #		25,876,197	82,104	179,909,716		11,853,979	12,716,429	3,803,355	28,551,509	21,471,308	8,557,216	6,947,719

1	ACCUM DEPR					391	1 81%						
2	Rate Class	Total	388	389	390	class	391	392	393	394	395	396	398
3	Residential	20,797,750	0	7,636	8,431,276	alloc	783,988	1,608,474	421,442	6,135,300	1,895,280	1,482,264	379,337
4	Sec < 10 kW	1,083,445	0	292	498,599	55 71%	436,739	53,470	21,727	268,619	102,951	68,796	20,437
5	Sec > 10 kW	12,644,481	0	4,780	5,048,968	6 19%	232,055	1,017,244	256,520	3,796,251	1,146,809	912,102	229,750
6	Pri < 10 kW	25,670	0	4	13,573	29 60%	1,915	368	508	4,853	2,564	1,380	504
7	Pri > 10 kW	2,153,407	0	753	893,802	0 24%	54,270	155,907	43,557	617,366	197,717	150,521	39,514
8	Pri > 10 kW Sub	184,125	0	72	72,263	6 92%	2,832	15,455	3,740	56,360	16,610	13,460	3,331
9	Transmission	65,549	0	17	30,770	0 36%	3,200	2,927	1,312	15,733	6,271	4,077	1,243
10	Lighting	284,309	0	117	108,258	0 41%	2,921	25,674	5,772	89,928	25,309	21,244	5,086
11	Wh Subst	21,999	0	9	8,623	0 37%	333	1,852	447	6,744	1,984	1,610	398
12	Wh DLS	96,529	0	39	37,179	0 04%	1,178	8,463	1,964	30,154	8,658	7,157	1,738
13	Total	37,357,285	0	13,719	15,143,311	0 15%	783,988	2,889,835	756,988	11,021,309	3,404,154	2,662,611	681,340
14	Check #		0	13,719	15,143,311	100 00%	783,988	2,889,835	756,988	11,021,309	3,404,154	2,662,611	681,340
15	NET PLANT												
16	Rate Class	Total	388	389	390	391	392	393	394	395	396	398	
17	Residential	146,101,756	14,407,617	38,066	91,736,223	6,166,354	5,469,455	1,696,017	9,758,721	10,058,982	3,281,502	3,488,818	
18	Sec < 10 kW	8,584,574	914,786	1,454	5,420,363	659,113	181,818	87,438	432,936	546,399	152,304	187,963	
19	Sec > 10 kW	87,563,183	8,546,411	23,829	54,941,143	3,310,682	3,459,038	1,032,320	6,030,902	6,086,559	2,019,252	2,113,046	
20	Pri < 10 kW	232,238	26,540	19	147,430	25,628	1,253	2,045	8,022	13,609	3,056	4,638	
21	Pri > 10 kW	15,468,856	1,549,369	3,756	9,723,363	756,969	530,146	175,286	983,964	1,049,361	333,229	363,413	
22	Pri > 10 kW Sub	1,254,438	120,970	358	786,443	41,049	52,554	15,052	89,419	88,156	29,799	30,638	
23	Transmission	529,275	57,016	83	334,460	43,314	9,951	5,281	25,426	33,285	9,025	11,435	
24	Lighting	1,882,171	177,599	584	1,178,461	44,528	87,302	23,228	142,336	134,323	47,030	46,780	
25	Wh Subst	149,696	14,422	43	93,843	4,840	6,299	1,799	10,698	10,529	3,564	3,659	
26	Wh DLS	646,081	61,468	194	404,677	17,504	28,778	7,902	47,775	45,951	15,844	15,988	
27	Total	262,412,268	25,876,197	68,386	164,766,405	11,069,981	9,826,594	3,046,366	17,530,200	18,067,154	5,894,605	6,266,379	
28	Check #		25,876,197	68,386	164,766,405	11,069,981	9,826,594	3,046,366	17,530,200	18,067,154	5,894,605	6,266,379	

Exclusions of Depreciation Expense from DISTREV
A portion of Account 391 is updated in DCRF and Account 397 is updated in DCRF

Rate Class	Total	389	390	391 783,846	391 class alloc 55 70%	392	393	394	395	396	398	exclude meter-related amort for purposes of DCRF baseline Amort RA
Residential	18,091,931	935	2,021,710	436,640		563,979	117,996	987,896	776,043	301,378	234,695	12,650,605
Sec < 10 kW	2,440,500	36	118,415	47,519	6 06%	18,748	6,083	43,686	42,154	14,164	12,644	2,137,049
Sec > 10 kW	9,056,197	585	1,212,159	233,330	29 77%	356,676	71,821	610,704	469,574	185,223	142,146	5,773,944
Pn < 10 kW	102,210	0	3,194	1,860	0 24%	129	142	805	1,050	290	312	94,428
Pn > 10 kW	2,398,630	92	213,921	53,898	6 88%	54,666	12,195	99,559	80,957	30,666	24,447	1,828,223
Pn > 10 kW Sub	100,129	9	17,374	2,873	0 37%	5,419	1,047	9,058	6,801	2,730	2,061	52,758
Transmission	162,889	2	7,297	3,127	0 40%	1,026	367	2,564	2,568	841	769	144,326
Lighting	61,527	14	26,098	3,049	0 39%	9,002	1,616	14,426	10,363	4,298	3,147	(10,487)
Wh Subst	11,677	1	2,073	339	0 04%	650	125	1,084	812	326	246	6,021
Wh DLS	34,688	5	8,953	1,212	0 15%	2,967	550	4,841	3,545	1,449	1,076	10,090
Total	32,460,379	1,679	3,631,194	783,846	100 00%	1,013,263	211,944	1,774,622	1,393,868	541,366	421,543	22,686,957
Check #		1,679	3,631,194	783,846		1,013,263	211,944	1,774,622	1,393,868	541,366	421,543	22,686,957

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-2: CLASS ALLOCATION FACTORS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER 2.1 - SUMMARY VOLTAGE ALLOCATION FACTORS

Line	Ref	Account	Description	Allocation
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1 **WP/II-I-2.4**

2

3		A364	Poles, Towers & Fixtures-Total	1.000000
4			Poles, Towers & Fixtures-Primary	0.829657
5			Poles, Towers & Fixtures-Secondary	0.170343
6		A365	O.H. Conductors & Devices-Total	1.000000
7			O.H. Conductors & Devices-Primary	0.849453
8			O.H. Conductors & Devices-Secondary	0.150547
9		A366	Underground Conduits-Total	1.000000
10			Underground Conduits-Primary	0.607132
11			Underground Conduits-Secondary	0.392868
12		A367	U.G. Conductors & Devices-Total	1.000000
13			U.G. Conductors & Devices-Primary	0.811285
14			U.G. Conductors & Devices-Secondary	0.188715
15		A368	Line Transformers-Total	1.000000
16			Line Transformers-Primary	0.058800
17			Line Transformers-Secondary	0.880957
18			Capacitors & Voltage Regulators	0.060243

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021**

SPONSOR: MATTHEW A. TROXLE

LINE NO.	(a)	(b)	(c) 2021 kWh	(d)
1	RESIDENTIAL	ICL	39,273,336,849	88%
2	RESIDENTIAL	OCL	5,487,682,570	12%
3			<u>44,761,019,419</u>	
4				
5	SECONDARY ≤ 10 KW	ICL	1,402,919,575	78%
6	SECONDARY ≤10 KW	OCL	394,608,231	22%
7			<u>1,797,527,806</u>	
8	SECONDARY > 10 KW			
9	NON-IDR	ICL	24,307,875,496	90%
10	NON-IDR	OCL	2,601,553,697	10%
11			<u>26,909,429,193</u>	
12	SECONDARY > 10 KW			
13	IDR	ICL	16,810,908,457	93%
14	IDR	OCL	1,350,640,987	7%
15			<u>18,161,549,444</u>	
16				
17	SECONDARY > 10 KW	ICL	41,118,783,953	91%
18	SECONDARY > 10 KW	OCL	3,952,194,684	9%
19			<u>45,070,978,637</u>	
20				
21	TOTAL SECONDARY	ICL	42,521,703,528	91%
22	TOTAL SECONDARY	OCL	4,346,802,915	9%
23			<u>46,868,506,443</u>	
24				
25	PRIMARY ≤ 10 KW	ICL	709,722	3%
26	PRIMARY ≤ 10 KW	OCL	26,449,725	97%
27			<u>27,159,447</u>	
28	PRIMARY > 10 KW			
29	NON-IDR DISTRIBUTION LINE	ICL	150,548,402	10%
30	NON-IDR DISTRIBUTION LINE	OCL	1,425,686,496	90%
31			<u>1,576,234,898</u>	
32	PRIMARY > 10 KW IDR			
33	DLS	ICL	6,461,046,747	43%
34	DLS	OCL	8,688,414,278	57%
35			<u>15,149,461,025</u>	
36	PRIMARY > 10 KW SUBSTATION			
37	IDR	ICL	1,040,290,060	17%
38	IDR	OCL	4,977,219,117	83%
39			<u>6,017,509,177</u>	
40	PRIMARY > 10 KW SUBSTATION			
41	NON-IDR	ICL	0	0%
42	NON-IDR	OCL	9,760,772	100%
43			<u>9,760,772</u>	
44				
45	TOTAL PRIMARY > 10 KW SUBSTATION	ICL	1,040,290,060	17%
46	TOTAL PRIMARY > 10 KW SUBSTATION	OCL	4,986,979,889	83%
47			<u>6,027,269,949</u>	
48				
49	PRIMARY > 10 KW	ICL	7,651,885,209	34%
50	PRIMARY > 10 KW	OCL	15,101,080,663	66%
51			<u>22,752,965,872</u>	
52				
53	TOTAL PRIMARY	ICL	7,652,594,931	34%
54	TOTAL PRIMARY	OCL	15,127,530,388	66%
55			<u>22,780,125,319</u>	
56				
57	TRANSMISSION	ICL	7,792,495,871	38%
58	TRANSMISSION	OCL	12,677,343,173	62%
59			<u>20,469,839,044</u>	
60				
61	SL	ICL	288,201,719	98%
62	SL	OCL	5,329,501	2%
63			<u>293,531,220</u>	
64				
65	GL	ICL	69,787,353	78%
66	GL	OCL	19,567,376	22%
67			<u>89,354,729</u>	
68				
69	WHOLESALE SERVICE			
70	SUBSTATION	ICL	79,376,522	25%
71	SUBSTATION	OCL	240,970,667	75%
72			<u>320,347,189</u>	
73				
74	DISTRIBUTION LINE	ICL	118,215,494	29%
75	DISTRIBUTION LINE	OCL	291,177,757	71%
76			<u>409,393,251</u>	
77				
78	TOTAL WHOLESALE	ICL	197,592,017	27%
79	TOTAL WHOLESALE	OCL	532,148,424	73%
80			<u>729,740,440</u>	
81				
82	TOTAL	ICL	97,795,712,268	72%
83	TOTAL	OCL	38,196,404,347	28%
			<u>135,992,116,614</u>	100%

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER - PRIMARY / SECONDARY SPLIT

line	Account 364	Total	Primary	Secondary		Comment
	(a)	(b)	(c)	(d)		
1	Primary Only	\$1,408,285,794	\$1,408,285,794			
2	Secondary Only	\$289,145,710		\$289,145,710		
3	Primary and Secondary	\$525,841,231	\$436,267,816	\$89,573,415	<<< <<< <<<	Split proportionately between primary and secondary
4	Total	\$2,223,272,735	\$1,844,553,610	\$378,719,124		
5	Total Percentage	100.0%	82.9657%	17.0343%		
6						
7	Account 365	Total	Primary	Secondary		Comment
8	(a)	(b)	(c)	(d)		
9	Primary Only	\$919,800,778	\$919,800,778			
10	Secondary Only	\$89,856,566		\$89,856,566		
11	Neutral	\$370,141,864	\$185,070,932	\$185,070,932	<<< <<< <<<	Neutral is split equally between primary and secondary
12	Devices	\$446,394,006	\$446,394,006		<<< <<< <<<	Devices such as switches are generally primary
13	Total Account	\$1,826,193,214	\$1,551,265,716	\$274,927,498		
14	Total Percentage	100.0%	84.9453%	15.0547%		
15						
16	Account 367	Total	Primary	Secondary		Comment
17	(a)	(b)	(c)	(d)		
18	Primary Conductor Only	\$ 1,409,662,379	\$ 1,409,662,379			
19	Secondary Conductor Only	\$ 409,419,273		\$ 409,419,273		
20	Conductor subtotal	\$ 1,819,081,652	\$ 1,409,662,379	\$ 409,419,273		
21	Devices	\$ 390,928,147	\$ 390,928,147		<<< <<< <<<	Devices such as switchgear are generally primary
22	Network	\$ 9,421,525		\$ 9,421,525	<<< <<< <<<	Network customers are secondary
23	Total Account	\$ 2,219,431,324	\$ 1,800,590,526	\$ 418,840,798		
24	Conductor Percentage	100.0%	77.4931%	22.5069%		
25	Total Percentage	100.0%	81.1285%	18.8715%		
26						
27	Account 366	Total	Primary	Secondary		Comment
28	(a)	(b)	(c)	(d)		
29	Conduit	\$ 605,773,598	\$ 469,432,612	\$ 136,340,986	<<< <<< <<<	Conduit is split on the basis of account 367 Conductor
30	Network Manholes	\$ -	\$ -	\$ -	<<< <<< <<<	Network customers are secondary
31	Other Manholes	\$ 112,207,918	\$ 112,207,918		<<< <<< <<<	Non-Network manholes are usually primary
32	Pads	\$ 119,780,382		\$ 119,780,382	<<< <<< <<<	Pads are usually secondary
33	Primary Box	\$ 60,461,446	\$ 60,461,446			
34	Secondary Box	\$ 165,545,895		\$ 165,545,895		
35	Vaults	\$ 18,349,239	\$ 14,886,455	\$ 3,462,783	<<< <<< <<<	Split on the basis of account 367
36	Total Account	\$ 1,082,118,478	\$ 656,988,431	\$ 425,130,047		
37	Total Percentage	100.0%	60.7132%	39.2868%		
38						
39	Account 368	Total	Primary	Secondary	Capacitors	Comment
40	(a)	(b)	(c)	(d)	(e)	
41	Auto Transformers	\$ 58,408,560	\$ 58,408,560			Auto Transformers are related to Primary
42	Regulators	\$ 88,183,544	\$ 88,183,544			Regulators are related to Primary
43	Capacitors	\$ 150,190,760			\$ 150,190,760	
44	Other	\$ 2,196,294,899		\$ 2,196,294,899		Other transformers are related to secondary
45	Total Account	\$ 2,493,077,762	\$ 146,592,103	\$ 2,196,294,899	\$ 150,190,760	
46	Total Percentage	100.0%	5.8800%	88.0957%	6.0243%	

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER - Summary of Poles

Description	Plant Acct <u>364</u>	Plant Acct <u>371</u>	Total
Primary Poles	1,408,285,794		\$ 1,408,285,794
Secondary Poles	289,145,710	1,449,376	\$ 290,595,086
Primary & Secondary Poles	525,841,231 \$	-	\$ 525,841,231
Guardlights	108,287,282	1,360,825	\$ 109,648,107
Total	\$ 2,331,560,017 \$	2,810,201	\$ 2,334,370,218

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER - Summary of Conductors

Description	Account <u>365</u>	Account <u>367</u>	Account <u>373</u>	<u>Grand Total</u>
Primary OH Conductor	919,800,778		236	919,801,014
Primary UG Conductor		1,409,662,379	622	1,409,663,002
Neutral Conductor	370,141,864		236	370,142,099
Secondary OH Conductor	89,856,566		4,009,938	93,866,504
Secondary UG Conductor		409,419,273	4,797,018	414,216,291
Street Light OH Conductor	2,007		17,513,444	17,515,451
Street Light UG Conductor	627	1,323	41,505,012	41,506,962
				-
Total	1,379,801,842	\$ 1,819,082,975	67,826,270	3,266,711,087

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER - SUMMARY OF KEY ACCOUNTS

Account	Investment	Key
365	446,394,006	Device
365	1,229,016,852	Wire
365	1,675,410,858	Grand Total

Account	Investment	Key	Network Manholes:	Non-Network Manholes:
366	605,773,598	Conduit		
366	112,207,918	Manhole	-	112,207,918
366	119,780,382	Pad		
366	60,461,446	Primary		
366	165,545,895	Secondary		
366	18,349,239	Vault		
366	1,082,118,478	Grand Total		

Account	Investment	Key
367	2,153,577,856	Cable
367	390,928,147	Device
367	9,421,525	Network
367	2,553,927,528	Grand Total

Account	Investment	Key
368	58,408,560	Auto Transformer
368	150,190,760	Capacitor Total
368	2,196,294,899	Other Total
368	88,183,543.69	Regulator Total
368	2,493,077,762	Grand Total

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER - METER WEIGHTING

(a) Line Rate Class	(b) 2021 Annual Bills (II-H-4.1, p9)	(c) Investment per Meter	(d) Investment x Bills	(e) Calculated to Investment Adj	(f) Adjusted Investment	(g) Investment per Meter	2021 Weight Factor
1 Residential	39,099,396	\$ 95.77	\$ 3,744,605,063		\$ 3,744,605,063	\$ 95.77	0.557505
2 Secondary LE 10 kW	3,653,160	\$ 158.03	\$ 577,321,667	19.42%	\$ 577,321,667	\$ 158.03	0.085953
3 Secondary GT 10 kW	2,443,056	\$ 728.91	\$ 1,780,768,652	59.92%	\$ 1,780,768,652	\$ 728.91	0.265125
4 Primary LE 10 kW	37,212	\$ 671.95	\$ 25,004,696	0.84%	\$ 25,004,696	\$ 671.95	0.003723
5 Primary GT 10 kW DLS	85,896	\$ 6,074.56	\$ 521,780,642	17.56%	\$ 521,780,642	\$ 6,074.56	0.077684
6 Primary Substation	1,560	\$ 11,430.01	\$ 17,830,813	0.60%	\$ 17,830,813	\$ 11,430.01	0.002655
7 Transmission	3,396	\$ 11,430.01	\$ 38,816,308	1.31%	\$ 38,816,308	\$ 11,430.01	0.005779
8 Lighting	9,816	\$ 380.27	\$ 3,732,705	0.13%	\$ 3,732,705	\$ 380.27	0.000556
9 Wholesale Sub XMFR	180	\$ 11,430.01	\$ 2,057,401	0.07%	\$ 2,057,401	\$ 11,430.01	0.000306
10 Wholesale DLS	576	\$ 8,341.02	\$ 4,804,428	0.16%	\$ 4,804,428	\$ 8,341.02	0.000715
11 Total	45,334,248		\$ 6,716,722,374	100.00%	\$ 6,716,722,374		1.000000
	Calculated System Meter Investment		\$ 6,716,722,374				
	Estimated System Meter Investment		\$ 6,716,722,374				
	Difference Between Calculated & Estimated		\$ 1				
	Calculated System Meter Investment (excl Res)		\$ 2,972,117,312				

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER - SCHEDULES AND WORKPAPERS

Schedule / Workpaper

II-I.xlsx	Schedules II-I-1, II-I-2, II-I-3, II-I-DIST, II-II-MET, II-I-TBILLTDCS, TOTAL, Summary and certain (see below) workpapers
WP II-I-1.1	* Consolidation of Functionalized Cost of Service
WP II-I-1.2	* Wherein Certain Accounts Are Split
WP II-I-1.4	* Consolidated Functionalized Cost of Service
WP II-I-1.5	* Proposed Returns - After Adjustments for Customer Impact
WP II-I-1.6	* Summary of Electric Delivery Revenues By Rate Class
WP II-I-1.7	* Revenue Requirements By Rate Class
WP II-I-1.9	* DCRF Baseline
Schedule II-I-2.doc	Class Allocation Factors and Methodologies
WP II-I-2.1	* Voltage Allocation Factors
WP II-I-2.1f	* Rationale for Classification
WP II-I-2.2	* Miscellaneous Calculations
WP II-I-2.3.xlsx	kWh Sales Inside and Outside City Limits
WP II-I-2.4.xlsx	Primary / Secondary Split
WP II-I-2.5.xlsx	Meter Weighting
WP II-I-2.6.xlsx	Schedules and Workpapers (This workpaper.)
WP II-I-2.7.xlsx	Discretionary Service Revenues
WP II-I-2.8.xlsx	Retail 4CP Demand Coincident with ERCOT Peak
WP II-I-2.9.xlsx	REV_RCE Factor Calculation
II-I-3	* Schedule Cost of Service Analysis (Non-Ercot members)
WP II-I-3.1.xls	Functionalized Cost of Service
	* contained in II-I.xlsx

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
DISTRIBUTION DISCRETIONARY SERVICE REVENUE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

	Functionalization of Revenue		
<u>Booked Revenue</u>	<u>Meter</u>	<u>Customer</u>	<u>Distribution</u>
\$20,397,857	\$8,508,070	\$629,072	\$11,260,714

	Functionalization of Revenue		
<u>Adjusted Revenue</u>	<u>Meter</u>	<u>Customer</u>	<u>Distribution</u>
\$20,052,984	\$8,232,058	\$629,072	\$11,191,854

	Functionalization of Revenue		
<u>Proposed Revenue</u>	<u>Meter</u>	<u>Customer</u>	<u>Distribution</u>
\$22,468,503	\$8,904,581	\$637,886	\$12,926,036

DISTRIBUTION DISCRETIONARY SERVICE REVENUE
SUBJECT TO FRANCHISE FEES

	Functionalization of Revenue		
<u>Booked Revenue</u>	<u>Meter</u>	<u>Customer</u>	<u>Distribution</u>
\$19,559,413	\$8,304,830	\$0	\$11,254,582

	Functionalization of Revenue		
<u>Adjusted Revenue</u>	<u>Meter</u>	<u>Customer</u>	<u>Distribution</u>
\$19,217,734	\$8,031,905	\$0	\$11,185,829

	Functionalization of Revenue		
<u>Proposed Revenue</u>	<u>Meter</u>	<u>Customer</u>	<u>Distribution</u>
\$21,614,368	\$8,695,298	\$0	\$12,919,069

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-2: CLASS ALLOCATION FACTORS
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE

WORKPAPER - RETAIL 4CP DEMAND COINCIDENT WITH ERCOT PEAK

Line		RES (a)	SEC <10 (b)	SEC > 10 (c)	PRI <10 (d)	PRI >10 DLS (e)	Pri Subst (f)	TRAN (g)	LIGHT (h)	TOTAL (i)
	II-H-1.3, col(g)									
1	Class kW at Source									
2	JUN 2021	10,604,321	312,996	8,138,709	3,369	2,108,470	706,630	2,151,579	-	24,026,074
3	JUL 2021	12,242,893	330,716	8,479,980	3,219	2,111,174	660,051	2,069,336	-	21,200,936
4	AUG 2021	11,811,515	326,156	8,584,122	3,248	2,152,715	698,350	2,123,270	-	22,300,713
5	SEP 2021	12,050,483	335,732	8,753,101	3,668	2,164,466	730,931	2,144,659	-	19,793,791
6	Total	46,709,213	1,305,600	33,955,912	13,504	8,536,826	2,795,962	8,488,843	-	87,321,514
7										
8	AVERAGE	11,677,303	326,400	8,488,978	3,376	2,134,206	698,990	2,122,211	-	25,451,465
9	%	45.88067225%	1.28244083%	33.35359266%	0.01326433%	8.38539747%	2.74636637%	8.33826609%		

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
CLASS ALLOCATION FACTORS
FOR THE TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

WORKPAPER - REV_RCE ALLOCATION FACTOR CALCULATIONS

<u>Line</u>	(a) <u>Rate Class</u>	(b) Revenue Requirement <u>Less RCE Expense</u>	(c) REV_RCE Allocation <u>Factor</u>
1	Residential	2,134,624,537	0.500631
2	Secondary LE 10 kW	87,969,567	0.020631
3	Secondary GT 10 kW	1,450,398,196	0.340160
4	Primary LE 10 kW	1,618,237	0.000380
5	Primary GT 10 kW DLS	295,692,842	0.069348
6	Primary Substation	59,626,758	0.013984
7	Transmission	164,313,264	0.038536
8	Lighting	61,287,007	0.014374
9	Wholesale Sub XMFR	1,572,849	0.000369
10	Wholesale DLS	<u>6,765,131</u>	0.001587
11	Total	4,263,868,390	1.000000

*Note: Regulatory Commission Expense of \$1,646,626 was removed from Cost Based Revenue Requirements totals used to calculate the REV_RCE Allocation Factor.

**PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
II-I-3: FUNCTIONALIZED COST OF SERVICE (NON-ERCOT MEMBERS)
TEST YEAR ENDING 12/31/2021
SPONSOR: MATTHEW A. TROXLE**

There are no supporting workpapers for Schedule II-I-3.