#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC PROPOSED CHARGES FOR DISCRETIONARY SERVICES AND OTHER SERVICES FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Line No		
1	1.	DESCRIPTION OF CHARGE - DISTRIBUTED RENEWABLE GENERATION METERING - DD37
2		
3		Applicable to installation, upon request pursuant to Substantive Rule § 25.130(b), by Retail
4		Customer or Retail Customer's Competitive Retailer, of metering equipment that separately
5		measures both the Customer's consumption from the distribution network and the out-flow that is
6		delivered from the Customer's side of the Meter to the distribution network. Equipment shall be
7		installed within 30 days of receipt of request.
8		
9		
10	2	ESTIMATION OF COST
11		
12		As calculated for each job.
13		
14		
15	З.	PROPOSED CHARGE As Calculated

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC RATE CLASS DEFINITIONS FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Line No.	Oncor Electric Delivery Rate Class Codes	
ı l		Residential Service
2	Alpha/Numeric	
3	00,A0	Residential Service
L	01,A1	Residential Service / SESCO
; [	32,A3	Residential Service / Bluebonnet
;	A6	Residential Service Critical Care
,	A7	Residential Service Critical Care / SESCO
	AA	Residential Service Critical Care / Bluebonnet
		Secondary Service Less Than or Equal to 10 kW - Non-IDR
0	Alpha/Numeric	
1	B0	Secondary Service Less Than or Equal to 10 kW
.2	B1	Secondary Service Less Than or Equal to 10 kW / SESCO
.3	C7	Secondary Service Less Than or Equal to 10 kW - Warning Sirens / Traffic Signals
4	C2	Secondary Service Less Than or Equal to 10 kW - Seasonal Lighting
.5	C1	Secondary Service Less Than or Equal to 10 kW / Bluebonnet
.6	C3	Secondary Service Less Than or Equal to 10 kW - Seasonal Lighting / SESCO
.7 [	C6	Secondary Service Less Than or Equal to 10 kW - Traffic Signals from DIS
.8	C8	Secondary Service Less Than or Equal to 10 kW - Warning Sirens / Traffic Signals Type PN
.9 [	B2	Secondary Service Less Than or Equal to 10 kW - Seasonal Agricultural
.0 [	C9	Secondary Service Less Than or Equal to 10 kW - Warning Sirens / Traffic Signals / SESCO
1 [	B3	Secondary Service Less Than or Equal to 10 kW - Seasonal Agricultural / SESCO
2	X0	Secondary Service Less Than or Equal to 10 kW - EECRF Exempt
з [	XT	Secondary Service Less Than or Equal to 10 kW - EECRF Exempt / SESCO
4		Secondary Service Less Than or Equal to 10 kW - IDR
5	Alpha/Numeric	
6	B8	Secondary Service Less Than or Equal to 10 kW
7	B9	Secondary Service Less Than or Equal to 10 kW / SESCO
8	BA	Secondary Service Less Than or Equal to 10 kW - Seasonal Agricultural
9	BB	Secondary Service Less Than or Equal to 10 kW - Seasonal Agricultural / SESCO
0	BE	Secondary Service Less Than or Equal to 10 kW - IDR Daily Settlement
1	BF	Secondary Service Less Than or Equal to 10 kW - IDR Daily Settlement / SESCO
2	XC	Secondary Service Less Than or Equal to 10 kW - EECRF Exempt
3	XM	Secondary Service Less Than or Equal to 10 kW - EECHF Exempt/SESCO
4		WIFI Device - BPL
5	Alpha/Numeric	
6	C4	Secondary Less Than or Equal to 10 kW - Wireless Internet
7	C5	Secondary Less Than or Equal to 10 kW - Wireless Internet / SESCO
8		Primary Service Less Than or Equal to 10 kW - Non-IDR
╸┟	Alpha/Numeric	
∘∣	G0	Primary Service Less Than or Equal to 10 kW
1	G1	Primary Service Less Than or Equal to 10 kW / SESCO
2	G3	Primary Service Less Than or Equal to 10 kW - Seasonal Agricultural / SESCO
3	G2	Primary Service Less Than or Equal to 10 kW - Seasonal Agricultural
4	X/	Primary Service Less Than of Equal to 10 kW - EECHF Exempt
5		Primary Service Less Than or Equal to 10 kW - IDH
6	Alpha/Numeric	
7	<u>G8</u>	Primary Service Less I han or Equal to 10 kW
8	G9	Primary Service Less Than or Equal to 10 kW / SESCO
9	GA	Primary Service Less Than or Equal to 10 kW - Seasonal Agricultural
	GB	Primary Service Less I nan or Equal to 10 kW - Seasonal Agricultural / SESCO
	<u> </u>	Primary Service Less Than or Equal to 10 KW - 10H Daily Settlement
4  -	<u> </u>	Primary Service Less Than or Equal to T0 KW - IDH Daily Settlement / SESCO
;	<u></u>	Primary Service Less Than or Equal to 10 kW - LEON CASHU
+	د2	In thinking betwee Less that of Equation to KW - 10h Daily bettement - EEOhr Exempt

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC

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#### RATE CLASS DEFINITIONS FOR THE TEST YEAR ENDING DECEMBER 31, 2021

	Oncor Electric	
Line	Delivery Rate	
<u>No.</u>	Class Codes	
1		Secondary Service Greater Than 10 kW - Non-IDR
2	Alpha/Numeric	
3	D0	Secondary Service Greater Than 10 kW
4	D1	Secondary Service Greater Than 10 kW / SESCO
5	D2	Secondary Service Greater Than 10 kW - Seasonal Agriculture
6	D3	Secondary Service Greater Than 10 kW - Seasonal Agriculture / SESCO
7	X1	Secondary Service Greater Than 10 kW - EECRF Exempt
8	XU	Secondary Service Greater Than 10 kW - EECRF Exempt / SESCO
9	D6	Secondary Service Greater Than 10 kW Load Factor 00% - 10%
10	D7	Secondary Service Greater Than 10 kW Load Factor 00% - 10% / SESCO
11	X2	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - EECRF Exempt
12	XV	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - EECRF Exempt / SESCO
13	DC	Secondary Service Greater Than 10 kW Load Factor 11% - 15%
14	DD	Secondary Service Greater Than 10 kW Load Factor 11% - 15% / SESCO
15	X3	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - EECRF Exempt
16	XW	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - EECRF Exempt / SESCO
17	DJ	Secondary Service Greater Than 10 kW Load Factor 16% - 20%
18	DK	Secondary Service Greater Than 10 kW Load Factor 16% - 20% / SESCO
19	X4	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - EECRF Exempt
20	XX	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - EECRF Exempt / SESCO
21	DQ	Secondary Service Greater Than 10 kW Load Factor 21% - 25%
22	DR	Secondary Service Greater Than 10 kW Load Factor 21% - 25% / SESCO
23	X5	Secondary Service Greater Than 10 kW Load Factor 21%- 25% - EECRF Exempt
24	XY	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - EECRF Exempt / SESCO
25	<u>.</u>	Secondary Service Greater Than 10 kW - IDR
26	Alpha/Numeric	
27	E0	Secondary Service Greater Than 10 kW
28	E1	Secondary Service Greater Than 10 kW / SESCO
29	E2	Secondary Service Greater Than 10 kW - Seasonal Agriculture
30	E3	Secondary Service Greater Than 10 kW - Seasonal Agriculture / SESCO
31 [	X6	Secondary Service Greater Than 10 kW - EECRF Exempt
32	XN	Secondary Service Greater Than 10 kW - EECRF Exempt / SESCO
33	E8	Secondary Service Greater Than 10 kW - IDR Daily Settlement
34	E9	Secondary Service Greater Than 10 kW - IDR Daily Settlement / SESCO
35	EY	Secondary Service Greater Than 10 kW - IDR Daily Settlement - Seasonal Agricultural
36	EZ	Secondary Service Greater Than 10 kW - IDR Daily Settlement - Seasonal Agricultural / SESCO
37	Z4	Secondary Service Greater Than 10 kW - IDR Daily Settlement - EECRF Exempt
38	<u>Z9</u>	Secondary Service Greater Than 10 kW - IDR Daily Settlement - EECRF Exempt / SESCO
39	E6	Secondary Service Greater Than 10 kW Load Factor 00% - 10%
40	E7	Secondary Service Greater Than 10 kW Load Factor 00% - 10% / SESCO
41	XD	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - EECRF Exempt
42	XP	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - EECRF Exempt / SESCO
43	EE	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - IDR Daily Settlement
44	EF	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - IDR Daily Settlement / SESCO
45	Z5	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - IDR Daily Settlement - EECRF Exempt
46	ZA	Secondary Service Greater Than 10 kW Load Factor 00% - 10% - IDR Daily Settlement - EECRF Exempt / SESCO
47	EC	Secondary Service Greater Than 10 kW Load Factor 11% - 15%
48 [	ED	Secondary Service Greater Than 10 kW Load Factor 11% - 15% / SESCO
49 [	XE	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - EECRF Exempt
50	XQ	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - EECRF Exempt / SESCO
51	EL	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - IDR Daily Settlement
52	EM	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - IDR Daily Settlement / SESCO
53	Z6	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - IDR Daily Settlement - EECRF Exempt
54	ZB	Secondary Service Greater Than 10 kW Load Factor 11% - 15% - IDR Daily Settlement - EECRF Exempt / SESCO

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC RATE CLASS DEFINITIONS

### FOR THE TEST YEAR ENDING DECEMBER 31, 2021

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Line	Oncor Electric Delivery Rate	
No.	Class Codes	
1		Secondary Service Greater Than 10 kW - IDR (continued)
2	EJ	Secondary Service Greater Than 10 kW Load Factor 16% - 20%
3	EK	Secondary Service Greater Than 10 kW Load Factor 16% - 20% / SESCO
4	XF	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - EECRF Exempt
5	XR	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - EECRF Exempt / SESCO
6	ES	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - IDRj Daily Settlement
7	ET	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - IDR Daily Settlement / SESCO
8	Z7	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - IDR Daily Settlement - EECRF Exempt
9	ZC	Secondary Service Greater Than 10 kW Load Factor 16% - 20% - IDR Daily Settlement - EECRF Exempt / SESCO
10	EQ	Secondary Service Greater Than 10 kW Load Factor 21% - 25%
11	ER	Secondary Service Greater Than 10 kW Load Factor 21% - 25% / SESCO
12	XG	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - EECRF Exempt
13	XS	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - EECRF Exempt / SESCO
14	EW	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - IDR Daily Settlement
15	EX	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - IDR Daily Settlement / SESCO
16	Z8	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - IDR Daily Settlement - EECRF Exempt
17	ZD	Secondary Service Greater Than 10 kW Load Factor 21% - 25% - IDR Daily Settlement - EECRF Exempt / SESCO
18		Primary Service Greater Than 10 kW - Non-IDR
19 [	Alpha/Numeric	
20		Primary Service Greater Than 10 kW
21	J1	Primary Service Greater Than 10 kW / SESCO
22	J2	Primary Service Greater Than 10 kW - Seasonal Agriculture
23	J3	Primary Service Greater Than 10 kW - Seasonal Agriculture / SESCO
24	X8	Primary Service Greater Than 10 kW - EECRF Exempt
25		Primary Service Greater Than 10 kW - IDR
26	Alpha/Numeric	
27	K0	Primary Service Greater Than 10 kW Meter
28	<u>K1</u>	Primary Service Greater Than 10 kW / SESCO
29	K2	Primary Service Greater Than 10 kW IDR - Seasonal Agriculture
30	<u>K3</u>	Primary Service Greater Than 10 kW - Seasonal Agriculture / SESCO
31	X9	Primary Service Greater Than 10 kW IDR - EECRF Exempt
32	XZ	Primary Service Greater Than 10 kW IDR - EECRF Exempt / SESCO
33	K6	Primary Service Greater Than 10 kW Meter - IDR Daily Settlement
34	K7	Primary Service Greater Than 10 kW - IDR Daily Settlement / SESCO
35	K8	Primary Service Greater Than 10 kW IDR - IDR Daily Settlement - Seasonal Agriculture
36	K9	Primary Service Greater Than 10 kW - IDR Daily Settlement - Seasonal Agriculture / SESCO
37	Z1	Primary Service Greater Than 10 kW IDH - IDH Daily Settlement - EECHF Exempt
38	ZE	Primary Service Greater I han 10 kW IDH - IDH Daily Settlement - EECHF Exempt / SESCO
39		Primary Service Substation - IDR
40 L	Alpha/Numeric	
1	L.0	Primary Service Greater Than 10 kW Substation
12	L1	Primary Service Greater Than 10 kW Substation / SESCO
13	L2	Primary Service Greater Than 10 kW Substation - Seasonal Agriculture
14	L3	Primary Service Greater Than 10 kW Substation - Seasonal Agriculture / SESCO
15	XA	Primary Service Greater Than 10 kW Substation - EECRF Exempt
<sup>‡6</sup>	L6	Primary Service Greater Than 10 kW Substation - IDR Daily Settlement
17	L7	Primary Service Greater Than 10 kW Substation - IDR Daily Settlement / SESCO
18	L8	Primary Service Greater Than 10 kW Substation - IDH Daily Settlement - Seasonal Agriculture
19	L9	Primary Service Greater Than 10 kW Substation - IDH Daily Settlement - Seasonal Agriculture / SESCO
50	Z2	Primary Service Greater Than 10 kW Substation - IDH Daily Settlement - EECHF Exempt

# PUC DOCKET NO.

#### ONCOR ELECTRIC DELIVERY COMPANY LLC RATE CLASS DEFINITIONS FOR THE TEST YEAR ENDING DECEMBER 31, 2021

Line <u>No.</u>	Oncor Electric Delivery Rate Class Codes	
1	Alpha/Numeric	Primary Service Substation - Non-IDR
2	MO	Primary Service Greater Than 10 kW Substation
4	M1	Primary Service Greater Than 10 kW Substation / SESCO
5	M2	Primary Service Greater Than 10 kW Substation - Seasonal Agriculture
6	M3	Primary Service Greater Than 10 kW Substation - Seasonal Agriculture / SESCO
7	хн	Primary Service Greater Than 10 kW Substation - EECBF Exempt
8		Transmission Service - IDB Metered Only
9	Alpha/Numeric	
10	NO	Transmission Service
11	N1	Transmission Service / SESCO/ Bluebonnet
12	N8	Transmission Service - EECRF Exempt
13	N9	Transmission Service - EECRF Exempt / SESCO
14	N2	Transmission Service - IDR Daily Settlement
15	N3	Transmission Service - IDR Daily Settlement / SESCO/ Bluebonnet
16	N6	Transmission Service - IDR Daily Settlement - EECRF Exempt
17	N7	Transmission Service - IDR Daily Settlement - EECRF Exempt / SESCO
18		Street Lighting Service
19	Alpha/Numeric	
20	TO	Lighting Service - Government Unmetered / POD Charge
21	T1	Lighting Service - Government Unmetered / POD Charge / SESCO
22	T2	Lighting Service - Government Unmetered
23	Т3	Lighting Service - Government Unmetered / SESCO
24	T4	Lighting Service - Metered / Non-Company Owned
25	T5	Lighting Service - Metered / Non-Company Owned / SESCO
26	T6	Lighting Service - Metered / Company Owned
27	Τ7	Lighting Service - Metered / Company Owned / SESCO
28		Outdoor Lighting
28 29	Alpha/Numeric	Outdoor Lighting
28 29 30	Alpha/Numeric P0	Outdoor Lighting Flood Light - Metal Halide 175
28 29 30 31	Alpha/Numeric P0 P1	Outdoor Lighting       Flood Light - Metal Halide 175       Flood Light - Metal Halide 175 / SESCO
28 29 30 31 32	Alpha/Numeric P0 P1 P4	Outdoor Lighting       Flood Light - Metal Halide 175       Flood Light - Metal Halide 175 / SESCO       Flood Light - Metal Halide 1000
28 29 30 31 32 33	Alpha/Numeric P0 P1 P4 P5	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO
28 29 30 31 32 33 34	Alpha/Numeric P0 P1 P4 P5 P8	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200
28 29 30 31 32 33 34 35	Alpha/Numeric P0 P1 P4 P5 P8 P9	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO
28 29 30 31 32 33 34 35 36	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO
28 29 30 31 32 33 34 35 36 37	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO
28 29 30 31 32 33 34 35 36 37 38	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PC PD PG	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55
28 29 30 31 32 33 34 35 36 37 38 39	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PC PD PG PH	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PC PD PG PH PJ	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 55 / SESCO     Flood Light - LED 55 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100     Flood Light - LED 10-140     Flood Light - LED 10-140
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PM	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PC PD PG PH PJ PK PL PM PN	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PC PD PG PH PJ PK PL PM PN PP PP	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PK PL PM PN PP PQ PQ	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 11-140 / SESCO     Flood Light - LED 11-140 / SESCO     Flood Light - LED 11-140 / SESCO     Flood Light - LED 141-180     Flood Light - LED 141-180     Flood Light - LED 181-265     Flood Light - LED 181-265
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PK PL PM PN PP PP PQ PR	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 141-180     Flood Light - LED 141-180 / SESCO     Flood Light - LED 181-265     Flood Light - LED 181-265 / SESCO     Flood Light - LED 181-265 / SESCO     Flood Light - LED 181-265 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PK PL PM PN PP PQ PR R0	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 10-55 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 114-180     Flood Light - LED 141-180     Flood Light - LED 181-265 / SESCO     Flood Light - LED 181-265 / SESCO     Guard Light - Mercury Vapor 175     Courd Light - Mercury Vapor 175
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PM PN PP PQ PR R0 R1	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 141-180     Flood Light - LED 181-265     Flood Light - LED 181-265     Flood Light - LED 181-265     Flood Light - LED 181-265 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 175 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PM PN PP PQ PR R0 R1 R4 PF	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 56-100 / SESCO     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 141-180     Flood Light - LED 141-180 / SESCO     Flood Light - LED 181-265     Flood Light - LED 181-265 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 400     Our Light - Mercury Vapor 400     Our Light - Mercury Vapor 400
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PM PN PP PQ PR R0 R1 R4 R5 PC	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 56-100     Flood Light - LED 56-100     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 141-180 / SESCO     Flood Light - LED 181-265     Flood Light - LED 181-265     Flood Light - LED 181-265     Flood Light - LED 181-265 / SESCO     Guard Light - Mercury Vapor 175     Guard Light - Mercury Vapor 400     Guard Light - Mercury Vapor 400     Guard Light - Mercury Vapor 400 / SESCO
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PM PN PP PQ PR R0 R1 R4 R5 R8 P2	Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 56-100 / SESCO     Flood Light - LED 56-100 / SESCO     Flood Light - LED 56-100 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 141-180 / SESCO     Flood Light - LED 141-180 / SESCO     Flood Light - LED 181-265 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 100
28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53	Alpha/Numeric P0 P1 P4 P5 P8 P9 PC PD PG PH PJ PK PL PM PN PP PQ PR R0 R1 R4 R5 R8 R9 P0	Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 0-55 / SESCO     Flood Light - LED 10-55 / SESCO     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 101-140 / SESCO     Flood Light - LED 141-180 / SESCO     Flood Light - LED 181-265 / SESCO     Flood Light - LED 181-265 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 100 / SESCO     Guard Light - Mercury Vapor 100 / SESCO     Guard Light - Mercury Vapor 100 / SESCO     Guard Light -
28     29     30     31     32     33     34     35     36     37     38     40     41     42     43     44     45     46     47     48     49     50     51     52     53     54	Alpha/Numeric       P0       P1       P4       P5       P8       P9       PC       PD       PG       PH       PJ       PK       PN       PP       PQ       PR       R0       R1       R4       R5       R8       R9       RC	Outdoor Lighting     Flood Light - Metal Halide 175     Flood Light - Metal Halide 175 / SESCO     Flood Light - Metal Halide 1000     Flood Light - Metal Halide 1000 / SESCO     Flood Light - Sodium Vapor 200     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 200 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - Sodium Vapor 1000 / SESCO     Flood Light - LED 0-55     Flood Light - LED 0-55     Flood Light - LED 56-100     Flood Light - LED 101-140     Flood Light - LED 101-140     Flood Light - LED 101-140 / SESCO     Flood Light - LED 141-180 / SESCO     Flood Light - LED 181-285 / SESCO     Guard Light - Mercury Vapor 175     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 175 / SESCO     Guard Light - Mercury Vapor 100<

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC RATE CLASS DEFINITIONS

### FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

	Oncor Electric	
Line	Delivery Rate	
<u>No.</u>	Class Codes	
1		Outdoor Lighting (continued)
2	Q0	Flood Light - Metal Halide 250
3	Q4	Flood Light - Metal Halide 400
4	Q5	Flood Light - Metal Halide 400 / SESCO
5	Q8	Flood Light - Sodium Vapor 100
6	QC	Flood Light - Sodium Vapor 250
7	QD	Flood Light - Sodium Vapor 250 / SESCO
8	QG	Flood Light - Sodium Vapor 400
9	QH	Flood Light - Sodium Vapor 400 / SESCO
10	RG	Guard Light - LED 0-55
11	RH	Guard Light - LED 0-55 / SESCO
12	RJ	Guard Light - LED 56-100
13	RK	Guard Light - LED 56-100 / SESCO
14	RL	Guard Light - LED 101-140
15	RM	Guard Light - LED 101-140 / SESCO
16	RN	GuardLight - LED 141-180
17	RP	GuardLight - LED 141-180 / SESCO
18	RQ	Guard Light - LED 181-265
19	RR	Guard Light - LED 181-265 / SESCO

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# SCHEDULE IV-J-4A PAGE 1 OF 9

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# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: D. E. NELSON

DEMAND DATA

Rate Class = Residential Service

Voltage Level = Secondary

		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
1	Jan	32,742,492	9,327,644	9,063,281	9,061,489
2	Feb	36,644,119	14,750,244	14,710,869	14,723,677
3	Mar	29,575,654	6,256,638	6,256,638	4,671,912
4	Apr	28,670,138	6,185,352	6,107,891	5,693,154
5	May	27,576,587	8,746,484	8,465,714	8,465,714
6	Jun	28,925,026	11,410,635	10,540,552	10,207,797
7	Jul	29,013,515	12,019,276	10,988,291	11,785,098
8	Aug	29,033,142	11,792,394	11,222,852	11,369,851
9	Sep	28,361,717	11,767,185	11,420,846	11,599,883
10	Oct	27,748,261	8,833,324	8,330,164	8,330,164
11	Nov	30,080,836	5,780,264	5,779,235	4,013,870
12	Dec	31,461,260	7,085,983	6,678,409	4,847,340

# SCHEDULE IV-J-4A PAGE 2 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: D. E. NELSON

### DEMAND DATA

Rate Class = Secondary Service Less Than or Equal to 10kW Voltage Level = Secondary

		(a)	(b)	( c )	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
1	Jan	816,381	279,951	263,513	275,768
2	Feb	910,270	351,182	345,010	347,056
3	Mar	768,794	236,967	208,260	163,990
4	Apr	739,840	219,478	194,794	211,352
5	May	717,736	267,552	258,203	258,203
6	Jun	759,868	319,818	312,074	301,292
7	Jul	761,251	335,196	334,905	318,350
8	Aug	763,304	328,336	322,805	313,960
9	Sep	756,326	336,457	330,629	323,178
10	Oct	732,844	272,882	268,481	268,481
11	Nov	759,613	223,186	192,490	206,816
12	Dec	784,247	236,150	211,128	225,851

# SCHEDULE IV-J-4A PAGE 3 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: D. E. NELSON

#### DEMAND DATA

Rate Class = Secondary Service Less Greater Than 10kW Voltage Level = Secondary

		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	<u>Month</u>	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
			0.000.000	0.450.004	0.440.440
1	Jan	10,269,951	6,230,880	6,156,201	6,112,116
2	Feb	11,751,422	6,909,086	5,827,747	5,836,063
3	Mar	10,235,421	5,842,370	5,266,750	4,668,775
4	Apr	10,378,978	6,563,704	5,724,118	6,101,139
5	May	11,023,289	7,525,860	7,139,358	7,139,358
6	Jun	12,206,382	8,356,928	7,975,612	7,834,381
7	Jul	12,163,580	8,745,925	8,717,200	8,162,890
8	Aug	12,741,621	9,102,673	8,562,774	8,263,138
9	Sep	12,435,119	9,059,620	8,645,629	8,425,799
10	Oct	11,558,236	7,553,997	7,218,975	7,218,975
11	Nov	10,646,578	6,582,080	5,107,518	6,413,187
12	Dec	10,705,844	6,334,825	5,533,037	5,585,149

# SCHEDULE IV-J-4A PAGE 4 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: D. E. NELSON

DEMAND DATA

Rate Class = Primary Service Less Than or Equal to 10kW Voltage Level = Primary

		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	<u>Month</u>	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
1	Jan	7,442	3,350	2,839	2,836
2	Feb	7,902	3,525	1,094	1,123
3	Mar	7,603	3,383	3,155	2,939
4	Apr	7,571	5,310	4,693	3,730
5	May	7,403	3,317	3,031	3,031
6	Jun	7,590	3,464	3,199	3,302
7	Jul	7,436	3,357	3,289	3,155
8	Aug	8,315	3,955	3,206	3,184
9	Sep	7,320	4,244	3,559	3,595
10	Oct	7,530	3,535	3,018	3,018
11	Nov	7,482	3,546	3,136	3,232
12	Dec	8,500	4,151	3,337	3,018

# AT METER

# SCHEDULE IV-J-4A PAGE 5 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

# SPONSOR: D. E. NELSON

#### DEMAND DATA

Rate Class = Primary Service Greater Than 10kW - Distribution Line Voltage Level = Primary

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		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
1	Jan	2,689,654	1,918,761	1,827,582	1,825,499
2	Feb	2,786,878	1,945,793	1,092,398	1,086,605
3	Mar	2,739,197	1,949,301	1,812,358	1,846,014
4	Apr	2,792,192	2,037,301	1,928,425	1,990,647
5	May	2,965,706	2,101,966	2,082,678	2,082,678
6	Jun	3,191,502	2,169,247	2,088,439	2,066,728
7	Jul	3,126,969	2,185,491	2,126,367	2,069,378
8	Aug	3,159,050	2,218,328	2,152,386	2,110,096
9	Sep	3,143,215	2,233,163	2,127,333	2,121,615
10	Oct	3,281,336	2,195,351	2,129,577	2,129,577
11	Nov	3,127,527	2,134,960	1,962,564	2,101,803
12	Dec	3,245,142	2,126,997	2,014,160	2,055,558

# SCHEDULE IV-J-4A PAGE 6 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: D. E. NELSON

DEMAND DATA

Rate Class = Greater Than 10 kW - Substation Service Voltage Level = Primary

		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
1	Jan	834,551	657,006	604,067	607,059
2	Feb	869,166	693,665	312,353	314,109
3	Mar	874,607	718,405	648,894	662,641
4	Apr	891,404	711,079	687,480	686,303
5	May	919,295	742,896	740,650	740,650
6	Jun	939,707	780,095	688,801	702,157
7	Jul	943,795	776,672	748,817	655,873
8	Aug	993,214	824,992	715,316	693,930
9	Sep	976,789	817,601	731,375	726,305
10	Oct	975,266	804,362	743,096	743,096
11	Nov	941,363	778,790	727,627	751,903
12	Dec	961,615	800,758	733,270	785,195

# AT METER

# SCHEDULE IV-J-4A PAGE 7 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: D. E. NELSON

DEMAND DATA

Rate Class = Transmission Service

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Voltage Level = Transmission

		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
		0.050.400			0 / 00 0 / /
1	Jan	3,053,463	2,407,196	2,198,614	2,198,614
2	Feb	3,247,033	2,429,520	1,331,295	1,338,019
3	Mar	3,211,836	2,469,315	2,190,809	2,412,347
4	Apr	3,197,234	2,577,329	2,425,072	2,337,975
5	May	3,277,538	2,595,568	2,486,143	2,486,143
6	Jun	3,445,068	2,652,489	2,245,802	2,151,579
7	Jul	3,396,311	2,640,898	2,524,646	2,069,336
8	Aug	3,451,261	2,717,436	2,296,645	2,123,270
9	Sep	3,498,327	2,754,519	2,146,634	2,144,659
10	Oct	3,523,827	2,790,486	2,707,701	2,707,701
11	Nov	3,436,296	2,757,659	2,684,352	2,644,716
12	Dec	3,441,027	2,789,935	2,583,642	2,522,047

# AT METER

# SCHEDULE IV-J-4A PAGE 8 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: D. E. NELSON

DEMAND DATA

Rate Class = Wholesale Service - Substation Service Voltage Level = Primary

		(a)	(b)	( c )	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
1	Jan	72,247	69,217	68,763	69,217
2	Feb	111,820	100,686	100,686	100,373
3	Mar	52,580	49,235	49,235	31,686
4	Apr	49,393	44,092	39,472	35,291
5	Мау	56,178	54,191	53,014	53,014
6	Jun	75,733	70,734	69,057	66,971
7	Jul	77,792	75,640	70,984	74,664
8	Aug	95,021	82,066	74,242	72,852
9	Sep	87,127	78,893	75,448	75,917
10	Oct	67,239	55,657	55,253	55,253
11	Nov	58,727	46,489	46,130	32,151
12	Dec	68,957	57,275	54,141	36,453

# SCHEDULE IV-J-4A PAGE 9 OF 9

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: D. E. NELSON

DEMAND DATA

Rate Class = Wholesale Service - Distribution Line Service

Voltage Level = Primary

		(a)	(b)	(c)	(d)
Line		CUSTOMER	CLASS	SYSTEM	ERCOT
<u>No.</u>	Month	NCP MAX#	PEAK KW#	PEAK KW#	PEAK KW#
		106.065	84 211	80 686	81.067
1	Jan	100,005	04,211	80,080	01,007
2	Feb	180,568	125,745	120,029	120,483
3	Mar	83,348	67,129	66,861	41,073
4	Apr	80,314	57,170	48,477	42,792
5	May	80,417	68,317	62,880	62,880
6	Jun	95,915	82,777	76,513	74,212
7	Jul	117,383	90,222	82,098	86,099
8	Aug	125,819	91,896	85,978	84,618
9	Sep	119,621	94,249	89,270	91,531
10	Oct	101,246	78,229	72,899	72,899
11	Nov	98,007	66,418	66,028	43,354
12	Dec	97,727	74,804	71,367	45,782

# AT METER

SCHEDULE IV-J-4B PAGE 1 OF 1

# PUC DOCKET ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: D. E. NELSON

# This schedule is not applicable as Oncor Electric Delivery did not use sampling data for use in this rate case filing.

Hate Cla Stratum	ass = Residenti = Class To	al Service Ital						
Line <u>No.</u>	<u>Month</u>	(a) STRATUM BOUNDS	( b ) SAMPLE METERS	(c) AVERAGE KWH	(d) CUSTOMER NCP MAX#	(e) CLASS PEAK KW#+	(†) SYSTEM PEAK KW#+	(g) ERCOT PEAK KW#+
1	Jan							
2	Feb							
3	Mar							
4	Apr							
5	Мау							
6	Jun							
7	Jul							
8	Aug							
9	Sep							
10	Oct							
11	Nov							
12	Dec							

# AT METER

+ AVERAGE DEMANDS EXTRACTED FROM LOAD RESEARCH DATABASE AT THE DATE AND TIME OF CLASS , SYSTEM, AND ERCOT PEAKS

SCHEDULE IV-J-4C PAGE 1 OF 1

# PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD RESEARCH DATA FOR THE TEST YEAR ENDING DECEMBER 31, 2021.

# SPONSOR: D. E. NELSON

# DEMAND ESTIMATES METHODOLOGY RATE CLASS = LIGHTING SERVICE

Line No.	
1	Class demand estimates are based on annual kWh and average annual load factor,
2	assuming 4000 burn hours annually. Class demand at system peak is assumed to be
3	zero, unless the peak occurred after dark, in which case the system demand was set
4	equal to the class demand.

# SPONSOR: D. E. NELSON

Line	RESIDENTIAL						
<u>No.</u>		(a)			(b)		(c)
1		_		kW Ac	ljustments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	-	-	-	-		-
7	Feb	-	-	-	-		-
8	Mar	-	-	-	-		-
9	Apr	-	-	-	-		-
10	May	-	-	-	-		-
11	Jun	-	-	-	-		-
12	Jul	-	-	-	- ,		-
13	Aug	-	-	-	-		-
14	Sep	-	-	-	-		-
15	Oct	-	-	-	-		-
16	Nov	-	-	-	-		-
17	Dec			-			
18	Total	274,375,630	0	2,139,088	5,506,766	0	266,729,776
19		1.45			(-)		10
20		(α)			(e)		(T) In a division of
21		Fully Adjusted		1	Wh Adjustments		Billing
22	DATE	Pulling kit/h		Customor	Win Adjustments	Other	Billing
25	DATE	$\frac{1}{(7)-(9)+(0)+(10)+(11)}$		(0)	(0)	(10)	(11)
24	lan 21	(/)=(0)+(3)+(10)+(11) A 128 20A 208		(0) 67 202 491	(2) 179 3/7 682	(10)	3 801 654 025
25	Fob	3 806 940 642		59 850 135	(88.013.693)	0	3,831,034,033
20	Mar	3 289 706 805		58 036 094	(1 066 185 986)	0	4 297 856 697
28	Apr	2,745,904,765		27.841.949	254.365.400	0	2.463.697.416
29	May	2.856.991.146		23.977.077	209.254.956	0	2.623.759.112
30	Jun	3.813.799.270		24.381.971	490,365,438	0	3,299,051,861
31	Jul	5,106,226,634		33,114,878	204,016,505	0	4,869,095,251
32	Aug	5,436,530,572		28,050,325	386,754,428	0	5,021,725,819
33	Sep	5,046,099,347		21,015,473	(7,731,705)	0	5,032,815,580
34	Oct	3,812,960,181		11,453,926	(73,743,986)	0	3,875,250,241
35	Nov	2,789,355,468		4,048,053	(12,195,425)	0	2,797,502,840
36	Dec	3,214,517,731		0	448,144,997	0	2,766,372,734
37	Total	46,057,336,770		359,072,373	924,378,612	0	44,773,885,786
38							
39		(g)		(h)		(i)	
40						Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	3,258,283		55,391		3,202,892	
45	Feb	3,258,283		50,067		3,208,216	
46	Mar	3,258,283		43,412		3,214,871	
47	Apr	3,258,283		36,410		3,221,873	
48	May	3,258,283		29,506		3,228,777	
49	Jun	3,258,283		23,904		3,234,379	
50	Jul	3,258,283		22,010		3,236,273	
51	Aug	3,258,283		18,099		3,240,184	
52	Sep	3,258,283		13,549		3,244,734	
53	Oct	3,258,283		9,602		3,248,681	
54	NOV	3,258,283		4,708		3,233,373 2 759 793	
55	Dec	3,258,283		206.659		3,230,203	
20	TOLAI	22,023,220		300,038		20,126,120	

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Line	SECONDARY S	ERVICE - 10 KW AND BELOW					
<u>No.</u>		(a)				(c)	
1		_		kW Adj	ustments		Unadjusted
2 3	Date	Fully Adjusted Billing Demand	PF	Customer	Weather	Annualization/ Other	Billing Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	-	-	-	-		-
7	Feb	-	-	-	-		-
8	Mar	-	-	-	-		-
9	Apr	-	-	-	-		-
10	Мау	-	-		-		-
11	Jun	-	-	-	-		-
12	Jul	-	-	-	-		-
13	Aug	-	-	-	-		-
14	Sep	-	-	-	-		-
15	Oct	-	-	-	-		-
16	Nov	-	-	-	-		-
1/	Dec		-	-	-		
18	Total	8,346,232	0	105,442	87,998	0	8,152,793
19		(-1)			(-)		(f)
20		(a)			(e)		(T) Unadiustad
21		Fully Adjusted		LA	Alb Adjustmont	~	Pilling
22	DATE	Pully Adjusted		Customor	Weather	Othor	billing
25	DATE	(7) - (8) + (0) + (10) + (11)		(g)	(9)	(10)	(11)
24	lan 21	165 309 122		(0) / 128 030	2 186 546	(10)	158 994 545
25	Feh	157 735 996		3 920 600	(1 107 271)	0	154 922 667
20	Mar	151 950 650		3,842,326	(14,202,670)	0	162.310.994
28	Apr	138 809,235		2,394,902	3.669.279	0	132.745.054
29	May	139.615.870		2.079.148	3.261.922	0	134,274,800
30	Jun	152,971,499		1,820,274	8,134,591	0	143,016,634
31	Jul	179.020.801		1,811,517	4,280,614	0	172,928,670
32	Aug	182,658,485		1,671,504	7,853,996	0	173,132,985
33	Sep	175,695,571		1,126,809	588,598	0	173,980,163
34	Oct	155,566,831		680,737	(1,193,247)	0	156,079,341
35	Nov	135,610,536		268,619	(229,475)	0	135,571,392
36	Dec	144,548,256		0	6,573,352	0	137,974,904
37	Total	1,879,492,852		23,744,467	19,816,236	0	1,835,932,149
38							
39		(g)		(h)		(i)	
40						Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	304,430		7,704		296,726	
45	Feb	304,430		7,514		296,916	
46	Mar	304,430		7,040		297,390	
47	Apr	304,430		5,395		299,035	
48	May	304,430		4,642		299,788	
49	Jun	304,430		3,826		300,604	
50	Jul	304,430		3,156		301,274	
51	Aug	304,430		2,911		301,519	
52	Sep	304,430		1,959		302,471	
53	Uct	304,430		1,322		303,108	
54	Nov	304,430		602		303,828	
33 56	Dec	304,430		46.071	-	3 607 089	
50	iotal	2,022,100		40,071		5,007,005	

Line	SECONDARY	SERVICE > 10 kW - NON-IDR					
<u>No.</u>		(a)				(c)	
1				kW Adj	ustments		Unadjusted
2	Data	Fully Adjusted	05	Customor	Weather	Annualization/	Billing
з 4	Date	(1)=(2)+(3)+		Customer	weather	Other	Demand
5		(4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	8.825.517	(118,777)	134.821	118,382		8 691 091
7	Feb	8,888,340	(114,762)	111.956	1,390		8 889 756
8	Mar	8 644 571	(122,650)	69 137	(441.070)		9 139 154
9	Anr	8 774 437	(146.051)	63 647	132 111		8 724 731
10	May	9 024 935	(162 356)	49 757	283 521		8 854 013
11	lun	9 500 932	(183,961)	38 641	466 017		9 180 235
12	Jul	9 349 301	(201 569)	20 344	145 027		9 385 499
13	Διισ	9 541 692	(201,503)	20,344	273 678		9,467,434
14	Sen	9 336 312	(192 / 15)	9 257	(19.093)		9 538 563
15	Oct	8 824 303	(192,413)	9,257	(13,053)		9 115 445
16	Nov	8 554 455	(108,574)	11 920	(112,403)		9,113,443
17	Dec	9 122 731	(1/0,010)	11,520	163 500	385 773	8 777 898
18	Total	108 387 525	(149,440)	521 729	907 921	385,773	108 531 029
10	TOtal	106,567,525	(1,558,520)	521,725	907,921	363,173	108,551,029
20		(4)			(0)		(f)
20		(0)			(e)		(I) Unadiusted
21		Fully Adjusted		L.	Wh Adjustment		Billing
22	DATE	Pilling kitch	-	Customor	Mosthor	Othor	Dilling
25	DATE	$(7) - (8) \cdot (0) \cdot (10) \cdot (11)$	-	(a)	(0)	(10)	KVVII
24	lan 31	(7)=(8)+(9)+(10)+(11)		(0)	(9)	(01)	1 009 002 021
20	Jan 21	2,038,173,042		31,311,709	21,009,332	0	1,330,333,321
20	rep	2,003,097,182		25,279,054	515,055 (107 101 224)	0	1,977,503,070
27	lvidi Apr	1 842 502 760		13 561 274	28 148 007	0	2,201,101,507
20	Apr	1,842,502,789		13,501,274	20,140,997	0	1,000,792,498
29	iviay	2,107,343,208		11,059,838	119 072 520	0	2,029,244,473
30	Jun	2,410,453,059		9,804,809	118,972,550	0	2,201,010,721
27	Jui	2,823,717,480		710 240	44,002,756	0	2,773,342,023
32	Aug	2,897,914,078		710,246	03,323,973	0	2,813,879,859
33	Sep	2,858,223,819		2,833,105	(5,843,242)	0	2,801,233,955
34	Uct	2,422,618,271		2,724,181	(30,903,232)	0	2,450,797,322
35	NOV	2,043,861,561		2,860,546	(24,731,078)	0	2,005,732,092
35	Dec	1,967,732,816	-	122.000.100	36,980,866		1,930,751,950
3/	iotai	27,546,431,395		123,980,196	237,182,320	0	27,185,268,879
38		(-)		(1-)		(1)	
39		(g)		(n)		(I) Linediusted	
40				A		Unadjusted	
41		Fully Adjusted	-	Adjustments		Number of	
42	DATE	Number of Bills	-	Customer	-	BIIIS	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	198,142		3,075		195,067	
45	Feb	198,142		2,501		195,641	
46	Mar	198,142		1,501		196,641	
47	Apr	198,142		1,481		196,661	
48	May	198,142		1,132		197,010	
49	Jun	198,142		853		197,289	
50	Jul	198,142		440		197,702	
51	Aug	198,142		50		198,092	
52	Sep	198,142		196		197,946	
53	Oct	198,142		220		197,922	
54	Nov	198,142		274		197,868	
55	Dec	198,142	-	0	-	198,142	
56	Total	2,377,704		11,723		2,365,981	

Line	SECONDARY	SERVICE > 10 kW - IDR					
<u>No.</u>		(a)		(	(b)		(c)
1				kW Adj	ustments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	<b>Billing Demand</b>	PF	Customer	Weather	Other	Demand
4		(1)=(2)+(3)+	(2)	(2)	(4)	(E)	(6)
5		(4)+(5)+(6)	(2)	(3)	(4)	(3)	(0)
6	Jan 21	3,839,120	(158,246)	108,886	51,469		3,837,011
7	Feb	3,782,412	(149,250)	107,708	593		3,823,361
8	Mar	3,548,659	(153,779)	108,193	(181,376)		3,775,621
9	Apr	3,901,298	(176,924)	108,928	58,997		3,910,297
10	May	3,879,255	(189,940)	94,247	121,962		3,852,985
11	Jun	3,992,771	(211,831)	52,126	196,517		3,955,959
12	Jul	4,089,173	(228,853)	58,151	63,458		4,196,418
13	Aug	4,081,578	(229,022)	59,701	117,381		4,133,519
14	Sep	3,983,664	(221,188)	52,732	(8,137)		4,160,258
15	Oct	3,766,989	(220,763)	(6,318)	(48,153)		4,042,223
16	Nov	3,746,198	(203,275)	(2,096)	(45,482)		3,997,051
17	Dec	3,750,240	(178,506)	0	71,962	(97,900)	3,954,684
18	Total	46,361,359	(2,321,577)	742,258	399,191	(97,900)	47,639,387
19							
20		(d)			(e)		(f)
21							Unadjusted
22		Fully Adjusted		k'	Wh Adjustments	· · · · · · · · · · · · · · · · · · ·	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	1,411,018,264		40,130,683	18,969,213	0	1,351,918,368
26	Feb	1,365,441,462		38,856,090	213,943	0	1,326,371,430
27	Mar	1,312,663,783		39,763,844	(66,660,369)	0	1,339,560,309
28	Apr	1,408,034,299		39,716,779	21,511,367	0	1,346,806,153
29	May	1,489,523,453		36,289,221	46,960,692	0	1,406,273,540
30	Jun	1,559,398,607		20,415,417	76,967,106	0	1,462,016,083
31	Jul	1,747,932,033		24,960,483	27,238,488	0	1,695,733,062
32	Aug	1,774,092,972		25,944,317	51,010,648	0	1,697,138,007
33	Sep	1,711,581,589		22,674,588	(3,499,091)	0	1,692,406,091
34	Oct	1,532,606,988		(2,565,078)	(19,550,133)	0	1,554,722,199
35	Nov	1,445,568,310		(805,946)	(17,491,626)	0	1,463,865,882
36	Dec	1,435,168,322	-	0	26,972,040	0	1,408,196,282
37	Total	18,193,030,082		285,380,399	162,642,277	0	17,745,007,406
38		<i>/</i>		(1.)		(1)	
39		(g)		(n)		(I) In a discate of	
40		Fully Aslands of		A		Number of	
41	0.475	Fully Adjusted	-	Adjustments		Bille	
42	DATE		-	(12) = (12) (14)			
43	lan 01	(12)		(13)=(12)-(14)		(14)	
44	Jan 21	5,446		157		5,205	
45	Feb	5,446		155		5,291	
40	iviar Ann	5,446		157		5,285	
47 10	Арг	5,440		130		5 309	
40 10	lun	5,440 E AAG		157 70		5,305	
47 50	Jun Int	5,440 E <i>AAC</i>		75		5,571	
50	Aug	5,440 5 116		, <i>3</i> 87		5 364	
52	Son	5,440 E AAE		02 רד		5,304	
52	Oct	5,440 E AAE		(0)		5,574	
55	Nov	5,440 C <i>AAE</i>		(2)		5,435	
54	Dec	5,440 5 AAG		(3)		5 446	
56	Total	65 252	-	1 058		64,294	
~~	10101	00,002		2,000		,	

Line	PRIMARY SER	VICE - 10 KW AND BELOW					
No.		(a)		(	(b)		(c)
1		_		kW Adj	ustments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	-	-	-	-		-
7	Feb	-	-	-	-		-
8	Mar	-	-	-	-		-
9	Apr	•	-	-	-		-
10	May	-	-	-	-		-
11	Jun	-	-	-	-		-
12	Jul	*	-	-	-		-
13	Aug	-	-	-	-		-
14	Sep	-	-	-	-		-
15	Oct		-	-	-		-
16	Nov	-	-	-	-		-
1/	Dec		-	-			-
18	lotal	95,442	(	) 1,248	G	0	94,194
19		(-1)			(-)		(6)
20		(a)			(e)		(T) Line division d
21		Fully Adjusted			Nh Adjustma	tr	Billing
22	DATE	Fully Adjusted		Customor	Weather	Other	billing
25	DATE	(7) - (8) + (0) + (10) + (11)		(9)	(0)	(10)	(11)
24	lan 21	(/)=(0)+(3)+(10)+(11) 2 217 727		(0) 01 19/	(9)	(10)	2 226 543
25	Foh	2,317,727		86 208	0	0	2,220,343
20	Mar	1 895 443		58 679	0	0	1 836 764
27	Apr	2 756 825		59 564	0	0	2,697,261
20	May	2,750,025		27 592	0	0	2,349,193
30	Jun	2,413,919		24,910	0	0	2.389.009
31	lut	2,243,759		14.471	0	0	2,229,288
32	Aug	2,294,923		5.920	0	0	2,289,003
33	Sep	2,443,844		3,940	0	0	2,439,904
34	Oct	2,260,556		(7,290)	0	0	2,267,846
35	Nov	2,264,219		(1,460)	0	0	2,265,679
36	Dec	2,418,619		0	0	0	2,418,619
37	Total	27,825,268		363,719	0	0	27,461,549
38							
39		(g)		(h)		(i)	
40						Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	3,101		122		2,979	
45	Feb	3,101		125		2,976	
46	Mar	3,101		96		3,005	
47	Apr	3,101		67		3,034	
48	May	3,101		36		3,065	
49	Jun	3,101		32		3,069	
50	Jul	3,101		20		3,081	
51	Aug	3,101		8		3,093	
52	Sep	3,101		5		3,096	
53	Oct	3,101		(10)		3,111	
54	Nov	3,101		(2)		3,103	
55	Dec	3,101		0		3,101	
56	Total	37,212		499		36,/13	

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Line	PRIMARY SER	VICE > 10 kW - NON-IDR DIST	RIBUTION LI	NE			
No.		(a)			(c)		
1				kW Adj	ustments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	461,442	(28,348)	(12,572)	475		501,888
7	Feb	461,370	(27,984)	(10,602)	386		499,570
8	Mar	463,078	(28,596)	(9 <i>,</i> 083)	819		499,937
9	Apr	479,123	(26,673)	(6,931)	1,103		511,625
10	May	518,533	(26,871)	(3,500)	4,910		543,995
11	Jun	525,653	(27,632)	1,399	6,432		545,454
12	Jul	469,016	(28,034)	1,251	3,531		492,268
13	Aug	453,271	(28,047)	2,103	5,605		473,610
14	Sep	526,382	(28,954)	1,498	559		553,280
15	Oct	644,402	(30,906)	1,936	(2,605)		675,977
16	Nov	482,282	(30,843)	784	(2,001)		514,341
17	Dec	742,229	(30,533)	0	(469)	243,706	529,526
18	Total	6,226,781	(343,421)	(33,718)	18,743	243,706	6,341,471
19							
20		(d)			(e)		(f)
21							Unadjusted
22		Fully Adjusted	-	kV	Vh Adjustmen	ts	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	138,522,127		(3,783,031)	142,823	0	142,162,335
26	Feb	133,152,870		(3,062,824)	111,467	0	136,104,227
27	Mar	123,256,448		(2,412,092)	217,629	0	125,450,911
28	Apr	144,286,038		(2,097,149)	333,618	0	146,049,568
29	May	168,930,954		(1,143,602)	1,603,937	U	168,470,619
30	Jun	178,791,622		476,444	2,189,642	0	1/0,125,535
31	JUI	114,000,346		494,016	1,394,052	0	182,821,139
32	Aug	114,030,340		220,071	192 102	0	112,099,971
20	Sep	115 072 012		490,913	(801 610)	0	216 102 761
24 25	Nov	213,073,523		255 267	(651,010)	0	157 504 876
35	Dec	157,100,934		233,307	(159,809)	0	168 890 297
30	Total	1 897 968 836	-	(9 592 514)	5 877 865	0	1.901 683 485
38	Total	1,057,500,050		(5,552,514)	3,077,003	0	2,502,005,105
39		(g)		(h)		(i)	
40		(8/		()		Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills	-	Customer		Bills	
43		(12)	-	(13)=(12)-(14)	•	(14)	
44	Jan 21	5,560		(152)		5,712	
45	Feb	5,560		(128)		5,688	
46	Mar	5,560		(109)		5,669	
47	Apr	5,560		(81)		5,641	
48	May	5,560		(38)		5,598	
49	Jun	5,560		15		5,545	
50	Jul	5,560		15		5,545	
51	Aug	5,560		26		5,534	
52	Sep	5,560		16		5,544	
53	Oct	5,560		17		5,543	
54	Nov	5,560		9		5,551	
55	Dec	5,560		0		5,560	
56	Total	66,720	-	(410)		67,130	

1		(a)		(D)	monte		(C)
1		1 Eully Adjusted		KW Adjust	ments	Appualization	Unadjusted
2	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	lan 21	2 817 753	(130.032)	135 308	2 898		2 800 570
7	Foh	2,017,755	(130,032)	124 110	2,000		2,803,373
, 8	Mar	2,717,731	(124,045)	129,581	4 873		2,710,001
q	Anr	2,728,800	(133,876)	137 579	6 450		2,720,112
10	May	2,738,133	(135,370)	113 782	26.013		2,788,040
11	lun	2,758,505	(131,015)	55 0/8	20,013		2,734,018
12	hul	2,743,852	(120,646)	53,540 61 /00	22,011		2,788,208
12	Aug	2,517,035	(135,040)	62 021	22,011		2,373,180
10	Aug	2,710,365	(133,342)	00,001 70 001	35,433		2,754,442
14 15	Sep	2,790,313	(141,662)	/2,821	(11 456)		2,856,180
15	Neu	2,781,909	(141,396)	(3,486)	(11,456)		2,938,247
10		2,700,364	(130,453)	1,696	(11,191)	FO 272	2,846,312
1/	Dec	2,789,700	(130,907)	0	(2,588)	50,373	2,872,822
18	lotal	33,242,683	(1,612,915)	892,768	109,256	50,373	33,803,201
19		<i>(</i> ))			<i>·</i> · ·		(0)
20		(d)			(e)		(†)
21							Unadjusted
22		Fully Adjusted	-	kWh	Adjustments		Billing
23	DATE	Billing kWh	_	Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	1,258,190,371		60,563,686	1,297,259	0	1,196,329,426
26	Feb	1,206,921,458		55,088,555	1,010,352	0	1,150,822,551
27	Mar	1,066,719,290		50,643,005	1,883,466	0	1,014,192,818
28	Apr	1,245,913,069		61,451,533	2,880,802	0	1,181,580,735
29	Мау	1,313,691,598		54,556,724	12,473,016	0	1,246,661,858
30	Jun	1,327,642,573		27,081,127	16,259,501	0	1,284,301,945
31	Jul	1,382,166,918		29,185,522	10,447,366	0	1,342,534,030
32	Aug	1,300,266,711		30,539,362	16,006,175	0	1,253,721,174
33	Sep	1,344,305,240		35,294,295	1,441,339	0	1,307,569,606
34	Oct	1,293,335,333		(1,625,378)	(5,341,781)	0	1,300,302,492
35	Nov	1,252,577,482		787,090	(5,192,516)	0	1,256,982,908
36	Dec	1,334,847,476	_	0	(1,264,272)	0	1,336,111,748
37	Total	15,326,577,519		403,565,521	51,900,706	0	14,871,111,291
38							
39		(g)		(h)		(i)	
40						Unadjusted	
41		Fully Adjusted	_	Adjustments		Number of	
42	DATE	Number of Bills		Customer	-	Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	1,598		77		1,521	
45	Feb	1,598		73		1,525	
46	Mar	1,598		76		1,522	
47	Apr	1,598		79		1,519	
48	May	1,598		67		1,531	
49	Jun	1,598		33		1,565	
50	Jul	1,598		34		1,564	
51	Aug	1,598		38		1,560	
52	Sep	1,598		42		1,556	
53	Oct	1,598		(2)		1,600	
54	Nov	1.598		1		1,597	
55	Dec	1.598		0		1,598	
56	Total	19.176		518	-	18,658	

Line	PRIMARY SER	RVICE > 10 kW - IDR - SUBSTAT	ION				
<u>No.</u>		(a)		(b		(c)	
1				kW Adjus	stments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4		(1)=(2)+(3)+	(2)	(3)	(4)	(5)	(6)
5		(4)+(5)+(6)	()	(0)	(.)	(0)	(0)
6	Jan 21	991,090	(24,005)	68,517	980		945,598
7	Feb	974,280	(22,549)	67,400	734		928,695
8	Mar	994,088	(26,303)	61,085	1,716		957,589
9	Apr	985,898	(23,050)	60,562	1,394		946,992
10	May	1,002,924	(23,261)	61,370	6,928		957,887
11	Jun	1,038,941	(30,974)	47,488	8,803		1,013,624
12	Jul	1,016,770	(28,413)	46,700	4,674		993,809
13	Aug	1,148,785	(25,797)	17,565	5,762		1,151,255
14	Sep	1,023,734	(27,059)	7,867	(467)		1,043,393
15	Oct	1,015,524	(25,872)	7,834	(3,036)		1,036,598
16	Nov	1,008,567	(25,413)	7,782	(2,779)		1,028,977
1/	Dec	1,107,304	(24,796)	0	(1,576)	99,420	1,034,256
18	lotal	12,307,905	(307,492)	454,171	23,133	99,420	12,038,673
19		4.0			( )		
20		(0)			(e)		(T)
21		Colley Anticenteral		1.14.0	A		Unadjusted
22	DATE	Fully Adjusted	-	KWI	n Adjustments	Other	Billing
23	DATE	(7) - (8) + (0) + (10) + (11)	-	Customer	(0)	(10)	<u> </u>
24	lan 21	(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jall 21	465,750,517		22,0/1,521	464,506	0	433,361,089
20	Mar	205 601 123		24 209 104	530,833	0	270 600 061
27	Anr	507 930 977		24,508,194	718 786	0	475 999 602
20	May	538 314 784		37 898 513	2 712 952	0	501 702 318
30	lun	522 716 388		23 920 712	4 434 285	ů 0	494 361 390
31	hul	556 515 589		25,520,712	2 558 634	0	528 389 711
32	Aug	641,188,834		9.814.914	3,219,432	0	628,154,488
33	Sep	565.378.335		4.351.052	(258.368)	0	561.285.652
34	Oct	544.997.064		4.204.819	(1.629.365)	0	542.421.610
35	Nov	545,525,299		4,207,906	(1,502,529)	0	542,819,922
36	Dec	549,287,686		0	(859,135)	0	550,146,821
37	Total	6,330,888,028	-	227,121,100	11,919,502	0	6,091,847,426
38							
39		(g)		(h)		(i)	
40						Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills	_	Customer		Bills	
43		(12)	-	(13)=(12)-(14)	-	(14)	
44	Jan 21	130		9		121	
45	Feb	130		9		121	
46	Mar	130		8		122	
47	Apr	130		8		122	
48	May	130		8		122	
49	Jun	130		6		124	
50	Jul	130		6		124	
51	Aug	130		2		128	
52	Sep	130		1		129	
53	Oct	130		1		129	
54	Nov	130		1		129	
55	Dec	130	-	0	-	130	
56	Total	1,560		59		1,501	

Line	TRANSMISSION						
<u>No.</u>		(a)		(b	)		(c)
1				kW Adju	stments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	3.576.611	(147,549)	187.881	0		3,536,279
7	Feb	3.350.994	(149.065)	164,190	0		3.335.869
8	Mar	3,758,182	(146.563)	170.316	0		3.734.429
9	Apr	3.603.631	(185.315)	100,730	0		3.688.216
10	May	3,486,339	(178,779)	73.069	0		3,592,049
11	Jun	3,718,921	(168,046)	64,985	0		3,821,982
12	Jul	3,632,328	(184,495)	12,835	0		3,803,988
13	Aug	3,462,571	(172,663)	12,237	0		3,622,997
14	Sep	3,872,054	(204,720)	0	0		4,076,774
15	Oct	3,705,712	(260,924)	0	0		3,966,636
16	Nov	3,774,241	(251,111)	0	0		4,025,352
17	Dec	3,183,689	(236,740)	0	0	(96,528)	3,516,957
18	Total	43,125,273	(2,285,970)	786,243	0	(96,528)	44,721,528
19							
20		(d)			(e)		(f)
21							Unadjusted
22		Fully Adjusted	-	kW	Vh Adjustmen	ts	Billing
23	DATE	Billing kWh	-	Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	1,724,477,529		91,403,403	0	0	1,633,074,126
26	Feb	1,615,907,083		79,938,866	0	0	1,535,968,217
27	Mar	1,490,832,003		68,483,449	0	0	1,422,348,554
28	Apr	1,698,240,669		48,006,803	0	0	1,650,233,866
29	Мау	1,777,885,673		37,693,689	0	0	1,740,191,984
30	Jun	1,770,496,395		31,280,855	0	0	1,739,215,540
27	Jui	1,785,500,558		6,302,122	0	0	1,777,190,430
22	Aug	1 915 195 444		0,301,103	0	0	1,795,654,071
20	Sep	1,010,100,444		0	0	0	1,815,185,444
25	Nov	1,840,710,290		0	0	0	1,877,484,630
36	Dec	1 875 813 062		0	0	ů	1 875 813 062
37	Total	21 076 754 598	-	369 470 372	0	0	20,707,284,226
38		22,010,101,000		000,0,		-	
39		(g)		(h)		(i)	
40				.,		Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills	-	Customer		Bills	
43		(12)	-	(13)=(12)-(14)		(14)	
44	Jan 21	283		15		268	
45	Feb	283		14		269	
46	Mar	283		13		270	
47	Apr	283		8		275	
48	May	283		6		277	
49	Jun	283		5		278	
50	Jul	283		1		282	
51	Aug	283		1		282	
52	Sep	283		0		283	
53	Oct	283		0		283	
54	Nov	283		0		283	
55	Dec	283	-	0		283	
56	lotal	3,396		63		3,333	

### SPONSOR: D. E. NELSON

Line	SL - UNMETERED						
<u>No.</u>		(a)		(		(c)	
1		_		kW Adji	ustments		Unadjusted .
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4		(1)=(2)+(3)+	(2)	(3)	(4)	(5)	(6)
5		(4)+(5)+(6)	(~)	(0)	(.)	(2)	(0)
6	Jan 21	-	-	-	-		-
7	Feb	-	-	-	-		-
8	Mar	-	-	-	-		-
9	Apr	•	-	-	-		-
10	iviay	-	-	-	-		-
12	Jun	-	-	-	-		-
12	Jui	-	-	-	-		-
10	Aug	-	-	-	-		-
14	Oct	-	~	-	-		-
15 16	Nov	-	-	-	-		-
17	Dec	_	-	_	-	_	-
18	Total		0	0	0	0	
19	10101	Ū	0	0	0	0	0
20		(d)			(e)		(f)
21		(0)			(0)		Unadiusted
22		Fully Adjusted		kV	Vh Adiustme	nts	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	23,485,021		(662,508)	0	0	24,147,529
26	Feb	23,485,021		(609,429)	0	0	24,094,450
27	Mar	23,485,021		(546,240)	0	0	24,031,261
28	Apr	23,485,021		(510,257)	0	0	23,995,278
29	May	23,485,021		(384,164)	0	0	23,869,185
30	Jun	23,485,021		35,313	0	0	23,449,708
31	Jul	23,485,021		262,530	0	0	23,222,491
32	Aug	23,485,021		332,165	0	0	23,152,856
33	Sep	23,485,021		282,252	0	0	23,202,769
34	Oct	23,485,021		3,088	0	0	23,481,933
35	Nov	23,485,021		1,822	0	0	23,483,199
36	Dec	23,485,021		0	0	0	23,485,021
37	Total	281,820,252		(1,795,428)	0	0	283,615,680
38		( )		<i>a</i> >		(*)	
39		(g)		(n)		(I) In a davida and	
40		Cullu Advisional		Advictor		Unadjusted	
41	DATE	Fully Adjusted		Adjustments		Number of	
42		(12)		(12)-(12) (14)		(14)	
45	lon 31	1 0 0 0 0 0		(13)-(12)-(14)		(14) 2 921	
44 15	Jan 21 Fob	2,000		22		2,831	
45	Mar	2,800		23		2,833	
40	Apr	2,800		33		2,835	
47	May	2,800		27		2,835	
40	lun	2,800		8		2,858	
50	Jul	2,866		3		2,863	
51	Aug	2,866		0		2.866	
52	Sep	2.866		3 1		2,865	
53	Oct	2.866		- 1		2,865	
54	Nov	2.866		-0		2,866	
55	Dec	2,866		0		2,866	
56	Total	34,392		172		34,220	

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# SPONSOR: D. E. NELSON

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Line	SL - METERED	(NON COMPANY OWNED)					
<u>No.</u>		(a)		(	(b)		(c)
1		_		kW Adj	ustments		Unadjusted
2	Date	Fully Adjusted	DE	Customor	Weather	Annualization/	Billing
4		(1)=(2)+(3)+	(2)	(3)	(4)	(5)	(6)
5		(4)+(5)+(6)					.,
6	Jan 21	-	-	-	-		-
/	Feb	-	-	-	-		-
8	Mar	-	-	-	-		-
9	Apr	-	-	-	-		-
10	lviay	-	-	-	-		-
17	Jul	-	-	-	-		-
12	Jui	-	-	-	-		-
14	Aug	-	-	-	-		-
14	Sep	-	-	-	-		-
15	Nov	-	-	-	-		-
17	Doc	-	-	-	-	_	-
10	Total						
19	Total	U	0	Ŭ	· · · ·	Ŭ	0
20		(d)			(e)		(f)
20		(4)			(~)		Unadiusted
22		Fully Adjusted		k۱	Nh Adiustme	nts	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	1.010.726		(10.752)	(-, C	0	1.021.478
26	Feb	924.410		(7.376)	C	0	931.786
27	Mar	870,904		(6.949)	C	0	877,853
28	Apr	786,457		(5,229)	C	0	791,686
29	May	761,326		(5,062)	C	0	766,388
30	Jun	707,871		(3,765)	C	0	711,636
31	Jul	675,834		(2,696)	C	0	678,530
32	Aug	676,720		(2,700)	C	0	679,420
33	Sep	715,548		(952)	C	0	716,500
34	Oct	763,807		(1,016)	C	0	764,823
35	Nov	800,979		(1,065)	C	0	802,044
36	Dec	891,223		0	C	0	891,223
37	Total	9,585,806		(47,561)	C	0	9,633,367
38							
39		(g)		(h)		(i)	
40						Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	752		(8)		760	
45	Feb	752		(6)		758	
46	Mar	752		(6)		758	
47	Apr	752		(5)		757	
48	May	752		(5)		757	
49	Jun	752		(4)		/56	
50	lut	752		(3)		/55	
51	Aug	752		(3)		/55	
52	Sep	752		(1)		/53	
53	Oct	752		(1)		/53	
54	NOV	752		(1)		/53	
55	Dec	752		<u> </u>			
56	lotal	9,024		(43)		9,067	

Line	SL - METERED	(COMPANY OWNED)					
<u>No.</u>		(a)			(b)		(c)
1				kW Ad	iustments		Unadjusted
2 3	Date	Fully Adjusted Billing Demand	PF	Customer	Weather	Annualization/ Other	Billing Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	-	-	-	-		-
7	Feb	-	-	-	-		-
8	Mar	-	-	-	-		-
9	Apr	-		-	-		-
10	Mav	-	-	-	-		-
11	Jun	-	-	-	-		-
12	Jul	-	-	-	-		-
13	Aug	-	-	-	-		-
14	Sep	-	-	-	-		-
15	Oct	-	-	-	-		-
16	Nov	-	-	-	-		-
17	Dec	-	-	-	-	-	-
18	Total	0	(	0 0	0	0	0
19							
20		(d)			(e)		(f)
21							Unadjusted
22		Fully Adjusted		k	Wh Adjustme	nts	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	29,390		0	0	0	29,390
26	Feb	26,185		0	0	0	26,185
27	Mar	26,437		0	0	0	26,437
28	Apr	23,808		0	0	0	23,808
29	May	22,502		0	0	0	22,502
30	Jun	21,217		0	0	0	21,217
31	Jui	20,637		0	0	0	20,637
32	Aug	20,069		U	0	0	20,069
33	Sep	21,641		0	0	0	21,641
34 25	Neu	22,010		0	0	0	22,010
35	NOV	24,147		0	0	0	24,147
סכ לכ	Total	20,000			0	0	23,000
20	TOtal	205,709		0	0	0	203,709
30		(g)		(h)		(i)	
40		(6)		()		Unadiusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	66		0		66	
45	Feb	66		0		66	
46	Mar	66		0		66	
47	Apr	66		0		66	
48	May	66		0		66	
49	Jun	66		0		66	
50	Jul	66		0		66	
51	Aug	66		0		66	
52	Sep	66		0		66	
53	Oct	66		0		66	
54	Nov	66		0		66	
55	Dec	66		0		66	
56	Total	792		0		792	

Line	OUTDOOR LIG	SHTING					
<u>No.</u>		(a)		(		(c)	
1				kW Adj	ustments		Unadjusted
2		– Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21		-	-	-		-
7	Feb	-	~	-	-		-
8	Mar	-	-	-	-		-
9	Apr	-	-	-	-		-
10	May	-	-	-	-		-
11	Jun	-	-	-	-		-
12	Jul	-	-	-	-		-
13	Aug	-	-	-	-		-
14	Sep	-	-	-	-		-
15	Oct	-	-	-	-		-
16	Nov	-	-	-	-		-
17	Dec	-	-	-	-	-	-
18	Total	0	C	) 0	0	0	0
19							
20		(d)			(e)		(f)
21							Unadjusted
22		Fully Adjusted		kV	Vh Adjustme	nts	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	7,357,544		(150,164)	0	0	7,507,708
26	Feb	7,357,544		(131,513)	0	0	7,489,057
27	Mar	7,357,544		(137,509)	0	0	7,495,053
28	Apr	7,357,544		(131,024)	0	0	7,488,568
29	May	7,357,544		(121,663)	0	0	7,479,207
30	Jun	7,357,544		(117,920)	0	0	7,475,464
31	Jul	7,357,544		(111,163)	0	0	7,468,707
32	Aug	7,357,544		(69,717)	0	0	7,427,261
33	Sep	7,357,544		(56,688)	0	0	7,414,232
34	Oct	7,357,544		(35,153)	0	0	7,392,697
35	NOV	7,357,544		(20,190)	0	0	7,377,734
30	Dec	7,357,544		(1.092.704)	0	0	90 272 222
37 20	TOTAL	88,290,528		(1,082,704)	U	0	65,575,252
30		(q)		(b)		(i)	
40		(6)		(1)		Unadiusted	
40		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	lan 21	51.524		(1.162)		52,686	
45	Feb	51.524		(1,082)		52,606	
46	Mar	51.524		(1,034)		52,558	
47	Apr	51.524		(1.026)		52,550	
48	May	51,524		(948)		52,472	
49	Jun	51,524		(885)		52,409	
50	Jul	51,524		(701)		52,225	
51	Aug	51,524		(520)		52,044	
52	Sep	51,524		(388)		51,912	
53	Oct	51,524		(200)		51,724	
54	Nov	51,524		(79)		51,603	
55	Dec	51,524		0		51,524	
56	Total	618,288		(8,025)		626,313	

# SPONSOR: D. E. NELSON

Line	WHOLESALE S	SERVICE - SUBSTATION					
<u>No.</u>		(a)		(		(c)	
1				kW Adjı	ustments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	131.613	-	7.507	0	30,747	93,359
7	Feb	131.613	-	7,507	0	6.168	117.938
8	Mar	131.613	-	7,507	0	6.168	117.938
9	Apr	131.613	-	7.507	0	6.168	117.938
10	Mav	131,613	-	7,507	0	7,366	116.740
11	Jun	131,613	-	7,507	0	7,366	116,740
12	Jul	131,613	-	0	0	14,859	116,754
13	Aug	131,613	-	0	0	(112)	131,725
14	Sep	131,613	-	0	0	8,264	123,349
15	Oct	131,613	-	0	0	8,114	123,499
16	Nov	131,613	-	0	0	8,356	123,257
17	Dec	131,613	-	0	0	8,356	123,257
18	Total	1,579,356	-	45,042	0	111,820	1,422,494
19							
20		(d)			(e)		(f)
21							Unadjusted
22		Fully Adjusted		Billing			
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	30,625,314		79,902	0	0	30,545,412
26	Feb	32,703,822		79,902	0	0	32,623,920
27	Mar	21,042,583		79,902	0	0	20,962,681
28	Apr	19,573,244		79,902	0	0	19,493,342
29	May	21,397,511		79,902	0	0	21,317,609
30	Jun	29,870,986		79,902	0	0	29,791,084
31	Jui	33,405,521		0	0	0	33,405,521
32	Aug	35,378,272		0	0	0	35,378,272
33	Sep	29,276,574		0	0	0	29,270,574
34 25	Uct	22,797,878		0	0	0	22,/9/,8/8
35	NOV	21,381,481		0	0	0	21,301,401
20 27	Total	23,173,417		479 412	0		320 347 189
38	TOtal	320,820,001		475,412	Ŭ	0	520,547,105
39		(g)		(b)		(1)	
40		(8)		()		Unadjusted	
41		Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		Bills	
43		(12)		(13)=(12)-(14)		(14)	
44	Jan 21	15		1		14	
45	Feb	15		1		14	
46	Mar	15		1		14	
47	Apr	15		1		14	
48	May	15		1		14	
49	Jun	15		1		14	
50	Jul	15		0		15	
51	Aug	15		0		15	
52	Sep	15		0		15	
53	Oct	15		0		15	
54	Nov	15		0		15	
55	Dec	15		0		15	
56	Total	180		6		174	

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# SPONSOR: D. E. NELSON

Line	WHOLESALE S	SERVICE - DISTRIBUTION LINE					
<u>No.</u>		(a)		(	b)		(c)
1		_		kW Adj	ustments		Unadjusted
2		Fully Adjusted				Annualization/	Billing
3	Date	Billing Demand	PF	Customer	Weather	Other	Demand
4 5		(1)=(2)+(3)+ (4)+(5)+(6)	(2)	(3)	(4)	(5)	(6)
6	Jan 21	150,091	-	11,428	0	24,047	114,617
7	Feb	170,440	-	11,428	0	9,690	149,323
8	Mar	149,133	-	11,428	0	10,108	127,598
9	Apr	149,292	-	11,107	0	7,073	131,113
10	May	147,463	-	11,107	0	7,203	129,154
11	Jun	147,616	-	11,428	0	7,836	128,353
12	Jul	150,878	-	0	0	7,254	143,624
13	Aug	155,562	-	0	0	2,526	153,036
14	Sep	152,884	-	0	0	7,247	145,637
15	Oct	149,422	-	0	0	6,749	142,673
16	Nov	150,137	-	0	0	6,749	143,388
17	Dec	148,221		0	0	6,360	141,861
18 19	Total	1,821,139	-	67,923	0	102,839	1,650,377
20		(d)			(e)		(f)
21						1	Unadjusted
22		Fully Adjusted		kv	Vh Adjustmen	ts	Billing
23	DATE	Billing kWh		Customer	Weather	Other	kWh
24		(7)=(8)+(9)+(10)+(11)		(8)	(9)	(10)	(11)
25	Jan 21	38,248,933		(452,222)	0	0	38,701,154
26	Feb	41,621,851		(351,887)	0	0	41,973,738
27	Mar	26,688,284		(1,056,324)	0	0	27,744,607
28	Apr	24,402,053		(1,302,167)	0	0	25,704,221
29	May	27,044,435		(549,274)	0	0	27,593,708
30	Jun	35,906,342		(129,796)	0	0	36,036,138
31	Jul	40,369,156		0	0	0	40,369,156
32	Aug	42,827,976		0	0	0	42,827,976
33	Sep	36,628,118		0	0	0	36,628,118
34	Oct	31,102,424		0	0	0	31,102,424
35	Nov	30,531,665		0	0	0	30,531,665
36	Dec	30,180,346		0	0	0	30,180,346
37	Total	405,551,582		(3,841,670)	0	0	409,393,252
38						(I)	
39		(g)		(h)		(1)	
40				• • •		Unadjusted	
41	0.1 <b>7</b> 5	Fully Adjusted		Adjustments		Number of	
42	DATE	Number of Bills		Customer		BIIIS	
43	1	(12)		(13)=(12)-(14)		(14)	
44	Jan 21	48		1		47	
45	Feb	48		1		47	
46	iviar	48		1		47	
47	Apr	48		1		47	
40 10	lun	48		1		41	
49 50	hul	40		1		47 AQ	
50		4ð 40		0		40	
27	Aug	48		U		40	
54	Sep	48		U		40	
55 54	Nov	48		0		40	
54 55	Dec	48		0		40	
56	Total	<u></u>		6		570	
		5,0		5		<b>U</b> · <b>U</b>	

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# PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC JUSTIFICATION FOR CONSUMPTION LEVEL – BASED RATES FOR THE TEST YEAR ENDING DECEMBER 31, 2021

# SPONSOR: MATTHEW A. TROXLE

Oncor Electric Delivery Company LLC is not proposing any consumption level-based rates.

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#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: MATTHEW A. TROXLE

### SUMMARY OF CLASS PROPOSED RATES (EXCLUDING WHOLESALE)

LINE     CLASS     CHARGES     UNIT     S     UNIT CHARGE     PRESIDE     PRESIDE<				1	PROPOSEI	D RATES		UNIT
LINE     CLASS     CHARGES     UNIT     S     UNIT CHARGE     PRESENT     %.       12     CUSTOMER CHARGE     pcr customer     57/08.118     5     1.0     2.2								CHARGE
LINE CLASS CHARGES UNIT \$ 0 UNIT CLASS CHARGE PARTES CLAMPE 2. CLASS CHARGES UNIT \$ 0 UNIT CLASS CLAS				ł		1	PRESENT	%
NO     (a)     Cl     (c)	LINE	CLASS	CHARGES	UNIT	\$	UNIT CHARGE	RATES	CHANGE
1     CUSTORE CHARGE     processmer     57,085,118     8     14     6     0.000     62.25,113       4     FEBIDENTIAL     DISTRBUTON SERVICE CARGE PACTORS or WWN     11,182,427,13     0.001     22.5,113     0.00214     110,000     11,182,427,13     0.001     0.00214     110,000     110,000     110,000     110,000     0.001014     0.00214     110,000     110,000     110,000     110,000     100,000     0.001014     0.00214     110,000     110,000     100,000     100,000     100,000     0.001014     0.0010114     0.001014     0.001011	NO	<u>(a)</u>	(b)	(c)	(d)	(e)	(f)	(g)
2     Mill TERING CHARGE     Processing     TIL R84/271     3     2     8     2     2     1     3       4     RESIDENTIAL     DISTRIDUTION SERVICE CHARGE     per kWn     12073135     5     0.002214     7       7     DISTRIDUTION SERVICE CHARGE     per kWn     12073135     5     0.002614     5     0.002214     7       9     DISTRIDUTION SERVICE CHARGE     per kWn     12173217     5     2     17     7	1	1	CUSTOMER CHARGE	per customer	57,085,118	\$ 146	\$ 0.90	62 2%
3     PESUBENTIAL     THAMSMISSION COST RECOVERY FACTOR per kM/n     120:588,213     0.006788     0.006786     0.007876     0.007876     0.007876     0.007876     0.007876     0.007876     0.007886     0.007876     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.007886     0.00886     0.00886     0.00886     0.00886     0.00886     0.00886     0.00886     0.008878     0.0088786     0.0088786     0.0088786     0.0088786	2	1	METERING CHARGE	per customer	111,824,273	\$ 2.86	\$ 2.52	13 5%
4     HESUERIUAL BETRUTTON COST RECOVERY DISTIBUTION COST RECOVERY Per With 10     Per With 1207/31/281     0.002818 0.002818     0.002818 0.002818     0.002818 0.002818     0.002818 0.002818     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001810     0.002818 0.001803     0.002818 0.000885     0.001803     0.002818 0.000885     0.0001803     0.002818 0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000885     0.000877     2.55       19     CUSTOMER CHARGE     per kW     1.54AP47     5     3.408166     2.174     5     3.85     0.000877     5     3.85       20     CUSTOMER CHARGE     per kW     1.54AP47     5     4.55168     4.55168     2.174     5	3	DECIDENTIAL	TRANSMISSION COST RECOVERY FACTOR	per kWh	758,188,213	\$ 0 016793	\$ 0015574	7 8%
Image: constraint of the second sec	4	RESIDENTIAL	DISTRIBUTION SERVICE CHARGE	per kWh	1,207,531,255	\$ 0.026218	\$ 0.022054	18 9%
s     Deterministic Tribuctors field/sector field     S12-7/L/S     S12-7/L/S <th< td=""><td></td><td></td><td>NUCLEAH DECOMMISSIONING CHARGE</td><td>per kWh</td><td>9,142,535</td><td>\$ 0 000199</td><td>\$ 0 000218</td><td>-87%</td></th<>			NUCLEAH DECOMMISSIONING CHARGE	per kWh	9,142,535	\$ 0 000199	\$ 0 000218	-87%
0     DOB     DOB     Constraint     0.438 (sol 1)     2     1     2     1     2     1     2     1     2     1     2     1     2     1     2     1     2     1     2     1     2     1     2     1 </td <td>8</td> <td></td> <td></td> <td>per kvvn</td> <td>51,5/1,0/5</td> <td>\$ 0.001061</td> <td>\$ 0.001061</td> <td>0.0%</td>	8			per kvvn	51,5/1,0/5	\$ 0.001061	\$ 0.001061	0.0%
11     Mark Duration Cost Recovery FACTOR prev KWn     0.4368.024     2     3     3     2     10     2     3     2     10     2	- 10		DISTRIBUTION COST RECOVERT FACTOR	per Kvvn	0,400,000	ф ф 0.01	÷	40 70/
12     SECONDARY 5 10 WW     TRANSMISSION COST RECOVERY FACTOR     21:52:07     21:52:07     0.01158     8     0.01023     8     0.02158     10:0023     8:55       16     DISTRIBUTION COST RECOVERY FACTOR     per kWh     14:150.822     8     0.02158     8     0.00130     8     0.000127     2.4%       17     DISTRIBUTION COST RECOVERY FACTOR     per kWh     1.154.847     8     0.00013     8     0.00031     8     0.00031	10			per customer	17 206 294	φ 2.31 ¢ 4.71	¢ 2.05	12.1%
13     SECONDARY 10 kW     OSTRBUTION SERVICE CHARGE Prev KWD     141100.021     0.00083	12		TRANSMISSION COST RECOVERY FACTOR	per cusiomer	21 102 617	\$ 0.011538	\$ 0.010623	8.6%
16     Constraint     Nuclear     Decommissioning Change Evenerative Freinery Cost Recovery Factors per kWm     124,163     0     0000130     2     0000013     2     0000013 <td>13</td> <td>SECONDARY &lt; 10 kW</td> <td>DISTRIBUTION SERVICE CHARGE*</td> <td>per kWb</td> <td>41 130 822</td> <td>\$ 0.021884</td> <td>\$ 0.023963</td> <td>-8.7%</td>	13	SECONDARY < 10 kW	DISTRIBUTION SERVICE CHARGE*	per kWb	41 130 822	\$ 0.021884	\$ 0.023963	-8.7%
17     ENERGY EFFCIENCY COST RECOVERY     For KWn     1.154,427     \$     0.00036     \$     0.00036       19     OUSTIMERO COST RECOVERY FACTOR METERING CHARGE     per kWn     27,850,888     \$     11.40     \$     9.25     3.32%       21     METERING CHARGE     per kWn     391,334,577     \$     4.366116     \$     3.26704     3.3%       23     SECONDARY >10 kW     IDD CUSTOMERS     per kW     159,802,88     4.456415     \$     2.61675     -2.85%       23     SECONDARY >10 kW     IDD CUSTOMERS     per kW     159,802,98     4.456415     \$     2.61675     -2.85%       24     VIDICLAR DECOMMSIGNONG CHARGE     per kW     5.322,08     \$     0.00637     \$     0.00637     \$     0.00645     \$     0.00645     \$     0.006437     \$     0.006437     \$     0.006437     \$     0.006437     \$     0.006437     \$     0.006437     \$     0.006437     \$     0.006437     \$     0.0064437     \$     0.0064437     \$     0.0064437     \$	16	SECONDIAN - IONI	NUCLEAR DECOMMISSIONING CHARGE	per kWh	244,163	\$ 0,000130	\$ 0,000127	24%
18     DISTRBUTION COST RECOVERY FACTOR     per kW     27.850.838     5     1.40     5     2.5       19     CUSTOME CHARGE     per customer     27.850.838     5     1.140     5     22.855.838     5     1.140     5     22.855.838     5     1.140     5     22.855.838     5     1.140     5     22.855.838     5     1.140     5     22.855.838     5     1.140     5     22.855.838     5     1.140     5     22.855.838     5     1.140     5     22.855.837     5     4.006166     5     3.957.045     3.378       24     DISTIBUTION SERVICE CHARGE*     per kW     6.352.268     5     0.045     5     0.00015     1.359.83       25     DISTIBUTION COST RECOVERY FACTOR     per kW     22.861.85     0.00016     1.359.85     22.255.55     5     0.00015     1.359.85     1.957.83     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92.95     1.92	17		ENERGY FEEICIENCY COST BECOVERY	ner kWh	1,154,847	\$ 0,000636	\$ 0.000636	0.0%
19     CLSTOMER CHARGE     per customer     22 85038 \$     11.40     9 925     23.2%       21     METERING CHARGE     per customer     53.112.037     \$     21 74     \$     3.08 225       22     NON-IDE CUSTOMERS     per kW     391.334.579     \$     4.066166     \$     3.08 225       23     SECONDARY >10 kW     IDR CUSTOMERS     per kW     159.84.084     \$     4.560165     \$     0.06517     22.65%       25     DIDR CUSTOMERS RECOVERY FACTOR     per kW     6.382.0628     \$     0.00637     0.000637     0.000637     0.000637     0.000637     \$     0.00637     5     0.00645     \$     0.00637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.000637     \$     0.00064     \$     0.00064     \$ </td <td>18</td> <td></td> <td>DISTRIBUTION COST RECOVERY FACTOR</td> <td>per kWh</td> <td>-</td> <td>\$ -</td> <td>\$ -</td> <td>-</td>	18		DISTRIBUTION COST RECOVERY FACTOR	per kWh	-	\$ -	\$ -	-
20     METERING CHARGE     per customer     53,112,037     \$     21,74     \$     30,82     22,95%       22     SECONDARY > 10 kW     UDR CUSTOMERS     per kW     391,334,775     \$     4,066166     \$     3,35%       24     DISTUBUTION SERVICE CHARGE*     per kW     631,20,208     \$     5,45166     \$     3,85%       25     DISTUBUTION SERVICE CHARGE*     per kW     631,20,208     \$     0,0451     \$     0,0031     \$       26     DISTUBUTION SERVICE CHARGE     per kW     6,332,028     \$     0,0043     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0031     \$     0,0043     \$     0,0043     \$     0,0043     \$     0,0031     \$     0,0041     13,95%     \$     1,47,4%     \$     1,47,2%	19	······································	CUSTOMER CHARGE	per customer	27.850.838	\$ 11.40	\$ 925	23.2%
22     TRANSMISSION COST RECOVERY FACTOR     per KW     391.334.579     \$     4.006166     \$     3.95704       23     SECONDARY > 10 KW     IDR CUSTOMERS     per KW     159.268,038     \$     4.006166     \$     3.95704     3.378       24     DISTRIBUTION SERVICE CHARGE*     per KW     159.268,038     \$     0.00637     0.000837     0.000135     0.001635     0.001635     0.00135 </td <td>20</td> <td></td> <td>METERING CHARGE</td> <td>per customer</td> <td>53,112,037</td> <td>\$ 21 74</td> <td>\$ 30 82</td> <td>-29.5%</td>	20		METERING CHARGE	per customer	53,112,037	\$ 21 74	\$ 30 82	-29.5%
22     SECONDARY > 10 KW     391,34,79 §     4.06166 §     3.96706 §     3.98706 §       24     DISTRIBUTION SERVICE CHARGE*     per KW     815,84,084 §     4.56415 §     6.21077 - 26.5%       25     NUCLEAR DECOMMISSIONIS CHARGE*     per KW     815,826,88 §     5.95168 §     4.988132 [13,357]       26     NUCLEAR TON OST RECOVERY ACTOR per KW     29,441,51 §     0.00637 §     0.00337 [0.0037]       27     OUSTOMER CHARGE     per kWh     29,441,51 §     0.00637 §     0.00337 [0.0037]       28     CUSTOMER CHARGE     per kWh     29,441,51 §     0.00637 §     0.00637 §     0.00644 [0.61,77]       30     DISTRIBUTION SERVICE CHARGE*     per kWh     28,56 §     0.00130 §     0.000130 §     0.00130 §     0.000	21		TRANSMISSION COST RECOVERY FACTOR	· · · · · · · · · · · · · · · · · · ·				
23     SECONDARY > 10 KW     IDR CUSTOMERS     per KW     199,940,864     4     4.440415     5     6     2.1077     2.83       25     DISTRIBUTION SERVICE CHARGE*     per KW     6,320,365     5     9.0455     5     0.000578     0.000578     0.000	22		NON-IDR CUSTOMERS	per kW	391,334,579	\$ 4.096166	\$ 3.967045	3.3%
24     DISTRIBUTION SERVICE CHARGE'     per kW     6,32,208     \$ 5,351688     \$ 4,98132     19,352       26     NUCLEAR DECOMINISCIARGE     per kW     6,32,208     \$ 0,55168     \$ 0,000837     \$ 0,000833     \$ 0,000833     \$ 0,000833     \$ 0,000833     \$ 0,000833     \$ 0,000833     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000183     \$ 0,000163     \$ 0,000183     \$ 0,000183	23	SECONDARY >10 kW	IDR CUSTOMERS	per kW	159,840,884	\$ 4.540415	\$ 6 210678	-26.9%
25     NUCLEAR DECOMMISSIONING CHARGE     per kW     28.085     0.045     \$     0.053     \$     0.053     \$     0.053     \$     0.053     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.055     \$     0.0043     \$     0.0043     \$     0.0043     \$     0.0043     \$     0.0043     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143     \$     0.00143	24		DISTRIBUTION SERVICE CHARGE*	per kW	818,259,628	\$ 5.951686	\$ 4 988132	19.3%
28     ENERGY EFFICIENCY COST RECOVERY     per kWh     29,641,515     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000837     \$     0.000836     8     0.85     8.5     5     0.000834     \$     0.000834     10.85     0.000835     0.000836     10.800856     0.00031     \$     0.000836     10.80056     15.22     0.00013     \$     0.000131     0.000835     0.000131     0.000835     0.000131     0.0013110101010101010101010101001010010	25		NUCLEAR DECOMMISSIONING CHARGE	per kW	6,332,036	\$ 0.045	\$ 0.053	-15 1%
27     DISTRIBUTION COST RECOVERY FACTOR     per (W)     .     \$     .     \$     .	26		ENERGY EFFICIENCY COST RECOVERY	per kWh	29,641,515	\$ 0 000637	\$ 0.000637	0 0%
28     CUSTOMER CHARGE     per customer     359,468     \$     966     \$     6.22     55 3%       30     PRIMARY S 10 kW     DISTRIBUTION SCRVEPY FACTOR     per kWh     219,196     \$     0.000151     \$     0.000846     15.1%       31     PRIMARY S 10 kW     DISTRIBUTION SCRVEPY FACTOR     per kWh     3.65     \$     0.000151     \$     0.000151     \$     0.000151     \$     0.000151     \$     0.00151     \$     0.00151     \$     0.00151     \$     0.00151     \$     0.00151     \$     0.00151     \$     0.00151     \$     0.0151     \$	27		DISTRIBUTION COST RECOVERY FACTOR	per kW	•	\$-	\$ -	-
28     METERING CHARGE     per customer     744,240     \$     20.00     \$     16.50     6.1%       31     PRIMARY 5 10 kW     DISTRIBUTION SERVICE CHARGE     per kWh     295,365     \$     0.00013     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078     \$     0.078	28		CUSTOMER CHARGE	per customer	359,468	\$ 966	\$ 6.22	55 3%
30     PRIMARY \$ 10 kW     DISTRIBUTION SERVICE CHARGE:     per kWn     219,196     \$ 0.007847     \$ 0.00843     139,5%       34     PRIMARY \$ 10 kW     DISTRIBUTION SERVICE CHARGE:     per kWn     3,618     \$ 0.00183     \$ 0.00183     \$ 0.00193     \$ 0.01184     \$ 0.00193     \$ 0.01184     \$ 0.00193     \$ 0.0118     \$ 0.00193     \$ 0.01181     \$ 0.00013     \$ 0.0118     \$ 0.0118     \$ 0.0118     \$ 0.0115     \$ 0.0115     \$ 0.0115     \$ 0.0115     \$ 0.0115     \$ 0.0115	29		METERING CHARGE	per customer	744,240	\$ 20.00	\$ 18.50	8.1%
31   PRIMARY \$ 10 kW   DISTRIBUTION SERVICE CHARGE:   per kW   295,365   \$   0.00151   \$   0.0000151   \$   0.000151	30		TRANSMISSION COST RECOVERY FACTOR	per kWh	219,196	\$ 0 007947	\$ 0 006846	16.1%
35     NUCLEAR DECOMMISSIONING CHARGE ENERGY EFFCIENCY COST RECOVERY     per kWh     3.618     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     0.000193     \$     1.57     2.1%       36     USTRIBUTION COST RECOVERY FACTOR ITRANSISSION COST RECOVERY FACTOR     per customer     4.005,330     \$     4.66.63     \$     3.646.20     \$     3.944620     \$     4.41792     11.5%       42     DISTRIBUTION LINE     DISTRIBUTION COST RECOVERY FACTOR     per kWh     15.78.671     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041     \$     0.041	31	PRIMARY ≤ 10 kW	DISTRIBUTION SERVICE CHARGE*	per kWh	295,365	\$ 0 010615	\$ 0 004433	139.5%
35     ENERGY EFFICIENCY COST RECOVERY per kWn     322     \$     0.000193	34		NUCLEAR DECOMMISSIONING CHARGE	per kWh	3,618	\$ 0 000130	\$ 0 000151	-13.9%
36     DISTRIBUTION COST RECOVERY FACTOR     per kWn     -     \$     2     1000000000000000000000000000000000000	35		ENERGY EFFICIENCY COST RECOVERY	per kWh	3,022	\$ 0 000193	\$ 0 000193	0.0%
37     CLUSTOMER CHARGE     per customer     1.309,055     5     15.24     5     15.57     -2.1%       39     METERING CHARGE     per customer     4.005,330     5     46.65     \$     36.51     220 %       40     PRIMARY >10 kW     NON-IOR CUSTOMERS     per kW     116,399,253     \$     4.923588     \$     4.414792     115%       42     DISTRIBUTION LINE     DISTRIBUTION SERVICE CHARGE     per kW     151,807,533     \$     0.4022     \$     0.0468     14.45%       43     NUCLEAR DECOMMISSIONING CHARGE     per kW     151,807,533     \$     0.0406     \$     0.046     14.6%       44     ENERGY EFRICIENCY COST RECOVERY PACTOR per kW     1.68,81,33     \$     0.04621     \$     0.053,23     \$     195.72     \$     151.17     29.5%       45     OLSTOMER CHARGE     per customer     53,303,23     \$     30.2517     39.7%     341.45     24.45     73.7%       46     PRIMARY >10 KW     DISTRIBUTION SERVICE CHARGE     per customer     53,003,73     3	36		DISTRIBUTION COST RECOVERY FACTOR	per kWh	<u>-</u>	\$ -	\$ -	-
38     IMETERING CHARGE     per customer     4,009,330     \$     46.65     \$     36     36     5     36     17     280 %       40     PRIMARY >10 kW     IDISTRIBUTION COST RECOVERY FACTOR     per kW     120,71,286     \$     4126635     \$     1667928     147 4%       41     DISTRIBUTION SERVICE CHARGE     per kW     116,399,253     \$     3.946202     \$     3.955888     \$     3.7%       43     DISTRIBUTION SERVICE CHARGE     per kW     1378,475     \$     0.00061     \$     0.068     \$     0.068     \$     0.068     \$     0.068     \$     0.07     \$     -     \$     -     \$     -     \$     -     \$     -     \$     -     \$     -     \$     -     \$     -     \$     -     \$     -     \$     \$     176,373,373,373,373,373,373,373,373,373,3	37		CUSTOMER CHARGE	per customer	1,309,055	\$ 1524	\$ 15.57	-2.1%
39     THANSMISSION COST HELOVERY FACTOR     per kW     22,171,286     \$     4 126835     \$     167722       40     DISTRIBUTION LINE     DISTRIBUTION SERVICE CHARGE     per kW     115,392,533     \$     4 425388     \$     4 441732     115 %       42     DISTRIBUTION SERVICE CHARGE     per kW     115,307,533     \$     3.486202     \$     995888     3.7%       43     ENERGY EFFICIENCY COST RECOVERY PACTOR     per kW     157,07331     \$     0.40011     \$     0.00061     0.000071     0.000071     0.000071     0.000071     0.000071     0.000790     0.0007	38		METERING CHARGE	per customer	4,005,330	\$ 46.63	\$ 3615	29 0%
40     PRIMARY >10 kW     NON-IDH CUSTOMENS     Der kW     116,399,253     4     4     1208378     5     160,792     5     4     4     115%       42     DISTRIBUTION LINE     DISTRIBUTION SERVICE CHARGE*     per kW     116,399,253     \$     4428388     \$     4.414792     115%       43     DISTRIBUTION SERVICE CHARGE*     per kW     157,871     \$     0.041     \$     0.041     \$     0.046     1.41.8%       44     DISTRIBUTION COST RECOVERY FACTOR     per kW     1.578,721     \$     0.041     \$     0.046     0.045     0.000061     0.05%       45     CUSTOMER CHARGE     per customer     305,323     \$     195.72     \$     151.17     29 5%       46     PRIMARY >10 kW     TRANSMISSION COST RECOVERY FACTOR     per kW     45.341649     \$     30.02517     39 7%     3412.83     30.02517     39 7%       50     SUBSTATION     DISTRIBUTION SERVICE CHARGE     per kW     66,324     \$     0.037     32 4%       51     CUSTOMER CHARGE<	39		TRANSMISSION COST RECOVERY FACTOR		00.474.000	A 400005	¢ 4 007000	4 4 7 4 9/
11     DISTRIBUTION LINE     DUB COSTOMENS     per kW     116,39,233     3     4 95,330     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,945202     3     3,99588     3,99588     3,00451     3     3,99588     3,0046     3,00462     3,99588     3,0046     3,0046     3,0046     3,0046     3,0046     3,0046     3,0046     3,0046     3,0046     3,0046     3,0046     3,00517     3,93,93     3,02517     3,93,93     3,02517     3,93,93     3,02517 </td <td>40</td> <td>PRIMARY &gt;10 kW</td> <td>NON-IDH CUSTOMERS</td> <td>per KVV</td> <td>22,1/1,280</td> <td>4 120835 4 000500</td> <td>\$ 100/928 \$ 414700</td> <td>14/4%</td>	40	PRIMARY >10 kW	NON-IDH CUSTOMERS	per KVV	22,1/1,280	4 120835 4 000500	\$ 100/928 \$ 414700	14/4%
12     DISTRIBUTION SERVICE CHARGE     per kW     157,07,837     \$ 0.0401     \$ 0.00061     \$ 0.000061     \$ 0.000070     \$ 0.000070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.00070     \$ 0.000017     \$ 0.000070	41	DISTRIBUTION LINE		per kW	110,399,233	\$ 4 923000 \$ 3 946202	¢ 2005999	11 3%
44     INDUCTANT DE CONTRECOVERY PACTOR     per kWh     T.0.0,1     5     0.001     \$     0.001       45     DISTRIBUTION COST RECOVERY FACTOR     per kWh     7.53,406     \$     0.000061     0.0%       46     CUSTOMER CHARGE     per customer     305,223     \$     151,17     29.5%       47     METERING CHARGE     per customer     532,397     \$     341,28     \$     24.857     37.3%       48     PRIMARY >10 kW     TRANSMISSION COST RECOVERY FACTOR     per kW     45,384,309     \$     5.816649     \$     0.000061     0.0%       49     SUBSTATION     NUCLEAR DECOMMISSIONING CHARGE     per kW     608,324     \$     0.043     \$     0.2037     28.24%       51     ENERGY EFFICIENCY COST RECOVERY PACTOR     per kW     20.80079     0.00079     0.0%     2       53     METERING CHARGE     per kW     21.72,445     218.47     \$     162.10     34.8%       54     METERING CHARGE     per kW     13.7791,683     \$     4.497%       55	42			per kW	1 678 871	\$ 0.040202	\$ 0.048	-14.6%
45     DISTRIBUTION COST RECOVERY FACTOR     per kW     -     \$     -     2       46     CUSTOMER CHARGE     per customer     305,323     \$     195,72     \$     151,17     29 5%       47     METERING CHARGE     per customer     532,397     \$     341,28     \$     24 85     73 3%       48     PRIMARY >10 kW     DISTRIBUTION COST RECOVERY FACTOR     per kW     45,384,309     \$     5.816649     \$     3002517     93 7%,       50     SUBSTATION     NUCLEAR DECOMMISSIONING CHARGE     per kW     13,404,712     \$     1.089114     \$     0.525283     107 3%       51     SUBSTATION     NUCLEAR DECOMMISSIONING CHARGE     per kW     68,324     0.049     \$     0.037     \$     0.0000790     0.000790     0.000790     0.000790     0.000790     0.000790     0.000790     0.000790     \$     0.000791     \$     3.91244     47     47       54     CUSTOMER CHARGE     per kW     218,47     \$     162,10     34 8%     5     48 5%	40			per kli/h	753 406	\$ 0,00061	\$ 0,00061	0.0%
46     CUSTOMER CHARGE     per customer     305,323     \$     195,72     \$     151.17     29 5%       47     METERING CHARGE     per customer     532,397     \$     341.28     \$     248 57     37 3%       48     PRIMARY >10 kW     DISTRIBUTION SERVICE CHARGE*     per kW     45,384,309     \$     5.81649     \$     0.02517     39 7%       50     SUBSTATION     DISTRIBUTION SERVICE CHARGE*     per kW     608,324     \$     0.049     \$     0.037 32 4%       51     ENERGY EFFICIENCY COST RECOVERY FACTOR     per kW     626,324     \$     0.00079     \$     0.000790     0.073     \$     24.847     \$     1.62.10     34 8%     \$     46.53     \$     256.84     34 5%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10     34 8%     \$     162.10	44	u de la construcción de la constru	DISTRIBUTION COST RECOVERY FACTOR	per kW	, ,400	\$ -	\$ 0000001	00%
47     Distribution     Cases of the second	46		CUSTOMER CHARGE	per customer	305 323	\$ 195.72	\$ 151.17	29.5%
48     PRIMARY >10 kW     TRANSMISSION COST RECOVERY FACTOR     per kW     45,384,309     \$ 5,816649     \$ 3002517     93 7%       49     SUBSTATION     DISTRIBUTION SERVICE CHARGE     per kW     104,404,712     \$ 1.089114     \$ 0525283     107 3%       50     SUBSTATION     NUCLEAR DECOMISSIONING CHARGE     per kW     606,324     \$ 0.049     \$ 0.037     3 2 4%       51     CUSTOMER CHARGE     per kW     606,324     \$ 0.000790     \$ 0.000790     0.0%       52     CUSTOMER CHARGE     per customer     741,924     \$ 218,47     \$ 162,10     34 8%       54     CUSTOMER CHARGE     per customer     741,924     \$ 218,47     \$ 162,10     34 8%       55     TRANSMISSION     DISTRIBUTION SERVICE CHARGE     per customer     1,77,91,683     \$ 5.489772     \$ 3 902847     40 7%       57     TRANSMISSION     DISTRIBUTION SERVICE CHARGE     per kW     24,606,806     \$ 0.057592     \$ 0.00017     0.0259172     20 259172     20 259172     20 2000,004     \$ 0.00017     0.0%       59     DISTRIBUTION SERVICE CHARGE	47		METERING CHARGE	per customer	532,397	\$ 341.28	\$ 248.57	37.3%
49     PRIMARY >10 kW SUBSTATION     DISTRIBUTION SERVICE CHARGE*     per kW     13,404,712     \$     1.089114     \$     0.525283     107 3%       50     SUBSTATION     NUCLEAR DECOMMISSIONING CHARGE     per kW     606,324     \$     0.0049     \$     0.0037     32 4%       51     ENERGY EFFICIENCY COST RECOVERY PACTOR     per kW     .     25     .     \$     .     \$     .     3     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00079     0.00%     0.00071     0.00%     0.00071     0.00%     0.00071     0.00%     0.00071     0.000017     0.00%     0.000017     0.00%     0.000017     0.00%     0.000017     0.00%     0.000017     0.00%     0.000017     0.000017     0.00%     0.000017     0.00%     0.000017     0.0%     0.00%     0.000017     0.00%     0.000017	48		TRANSMISSION COST RECOVERY FACTOR	per kW	45,384,309	\$ 5.816649	\$ 3 002517	93.7%
SUBSTATION     NUCLEAR DECOMMISSIONING CHARGE ENERGY EFFICIENCY COST RECOVERY FACTOR DISTRIBUTION COST RECOVERY FACTOR METERING CHARGE     per kW     267,927     0.000079     \$     0.00071     \$     0.00075     \$     0.00075     \$     0.00075     \$     0.00075     \$     0.00075     \$     0.00017     \$     0.00017     \$     0.00017     \$     0.00017     \$     0.00017     \$     0.00017     0.00017     0.00017     0.00017	49	PRIMARY >10 kW	DISTRIBUTION SERVICE CHARGE*	per kW	13,404,712	\$ 1.089114	\$ 0 525283	107 3%
51     ENERGY EFFICIENCY COST RECOVERY DISTRIBUTION COST RECOVERY FACTOR     per kWh     267,927     \$     0.000079     \$     0.0000790     0.0%       53     CUSTOMER CHARGE     per customer     741,924     \$     218,47     \$     162,10     34 8%       54     METERING CHARGE     per customer     1,172,243     \$     345,36     \$     256 84     34 5%       55     TRANSMISSION     DISTRIBUTION SERVICE CHARGE     per kW     137,791,683     \$     5,489772     \$     3 902847     40 7%       56     TRANSMISSION     DISTRIBUTION SERVICE CHARGE     per kW     24,606,806     \$     0 045     \$     0 0259172     120 2%       57     NUCLEAR DECOMMISSIONING CHARGE     per kW     2,066,004     \$     0 04017     \$     0 04017     0.0%       58     CUSTOMER CHARGE     per customer     1,471,649     #     -     \$     -     \$     0 000017     0.0%       59     DISTRIBUTION COST RECOVERY FACTOR     per customer     142,786     -     \$     -     \$ </td <td>50</td> <td>SUBSTATION</td> <td>NUCLEAR DECOMMISSIONING CHARGE</td> <td>per kW</td> <td>608,324</td> <td>\$ 0.049</td> <td>\$ 0.037</td> <td>32 4%</td>	50	SUBSTATION	NUCLEAR DECOMMISSIONING CHARGE	per kW	608,324	\$ 0.049	\$ 0.037	32 4%
52     DISTRIBUTION COST RECOVERY FACTOR     per kW     \$     \$     \$     \$     -     \$     -	51		ENERGY EFFICIENCY COST RECOVERY	per kWh	267,927	\$ 0.000079	\$ 0 0000790	0.0%
53   CUSTOMER CHARGE   per customer   741,924   \$ 216.47   \$ 162.10   34 8%     54   METERING CHARGE   per customer   1,172,843   \$ 345.36   \$ 256 84   34 5%     55   TRANSMISSION   DISTRIBUTION SERVICE CHARGE   per kW   137.791,683   \$ 5.489772   \$ 3902847   40 7%     56   TRANSMISSION   DISTRIBUTION SERVICE CHARGE   per kW   24,606,806   \$ 0.570589   \$ 0.259172   120 2%     57   NUCLEAR DECOMMISSIONING CHARGE   per kW   20,06,004   \$ 0.045   \$ 0.0401   12.5%     59   DISTRIBUTION COST RECOVERY FACTOR   per kW   18,725   \$ 0.000017   0.0%     51   CUSTOMER CHARGE   per customer   1,471,849   \$ - \$   \$ - \$   \$	52		DISTRIBUTION COST RECOVERY FACTOR	per kW		\$-	\$-	-
54     METERING CHARGE     per customer     1,172,843     \$ 345.36     \$ 256 84     34 5%       55     TRANSMISSION     DISTRIBUTION SERVICE CHARGE*     per kW     137,791,683     \$ 5.489772     \$ 3902847     40 7%       56     TRANSMISSION     DISTRIBUTION SERVICE CHARGE*     per kW     24,606,806     \$ 0.570589     \$ 0.259172     120 2%       57     NUCLEAR DECOMMISSIONING CHARGE     per kW     2,006,004     \$ 0.00017     \$ 0.00017     \$ 0.00017     \$ 0.0000017     \$ 0.000017     \$ 0.0	53		CUSTOMER CHARGE	per customer	741,924	\$ 218.47	\$ 162.10	34 8%
55     TRANSMISSION COST RECOVERY FACTOR     per kW     137,791,683     \$ 5.489772     \$ 3.902847     40.7%       56     TRANSMISSION     DISTRIBUTION SERVICE CHARGE*     per kW     24,606,806     \$ 0.570589     \$ 0.259172     120.2%       57     NUCLEAR DECOMMISSIONING CHARGE     per kW     2,006,004     \$ 0.0401     \$ 12.5%       58     ENERGY EFFICIENCY COST RECOVERY     per kWh     18,725     \$ 0.00017     \$ 0.0	54		METERING CHARGE	per customer	1,172,843	\$ 345.36	\$ 256 84	34 5%
56     TRANSMISSION     DISTRIBUTION SERVICE CHARGE*     per kW     24,606,806     \$     0.570589     \$     0.259172     120.2%       57     NUCLEAR DECOMMISSIONING CHARGE     per kW     2,006,004     \$     0.045     \$     0.00017     \$     0.00017     \$     0.00017     \$     0.00017     \$     0.00017     0.0%       59     DISTRIBUTION COST RECOVERY PACTOR     per kW     -     \$     -     \$     0.00017     \$     0.00017     0.0%       60     CUSTOMER CHARGE     per customer     1,471,849     -     \$     0.00017     \$     \$     0.00017     \$     \$     0.00017     \$ <td< td=""><td>55</td><td></td><td>TRANSMISSION COST RECOVERY FACTOR</td><td>per kW</td><td>137,791,683</td><td>\$ 5.489772</td><td>\$ 3 902847</td><td>40 7%</td></td<>	55		TRANSMISSION COST RECOVERY FACTOR	per kW	137,791,683	\$ 5.489772	\$ 3 902847	40 7%
57   NUCLEAR DECOMMISSIONING CHARGE   per kW   2,006,004   \$   0.045   \$   0.040   \$   12.5%     58   ENERGY EFFICIENCY COST RECOVERY per kWh   18,725   \$   0.000017   \$   0.00017   \$   0.00017   \$   0.00017   0.0%     59   DISTRIBUTION COST RECOVERY FACTOR   per kW   -   \$   -   \$   0.00017   \$   0.00017   \$   0.00017   0.0%     60   CUSTOMER CHARGE   per customer   1,471,849   - <td>56</td> <td>TRANSMISSION</td> <td>DISTRIBUTION SERVICE CHARGE*</td> <td>per kW</td> <td>24,606,806</td> <td>\$ 0 570589</td> <td>\$ 0 259172</td> <td>120 2%</td>	56	TRANSMISSION	DISTRIBUTION SERVICE CHARGE*	per kW	24,606,806	\$ 0 570589	\$ 0 259172	120 2%
58   ENERGY EFFICIENCY COST RECOVERY DISTRIBUTION COST RECOVERY FACTOR CUSTOMER CHARGE   per kW/   18,725   \$ 0 000017   \$ 0 000017   0.0%     60   CUSTOMER CHARGE   per customer   1,471,849     61   METERING CHARGE   per customer   1,42,786     62   TRANSMISSION COST RECOVERY FACTOR   -   0     63   LIGHTING   DISTRIBUTION SERVICE CHARGE   -   0     64   NUCLEAR DECOMMISSIONING CHARGE   -   59,672,372     64   NUCLEAR DECOMMISSIONING CHARGE   -   -     65   ENERGY EFFICIENCY COST RECOVERY   per kWh   0     66   DISTRIBUTION COST RECOVERY FACTOR   per customer   97.562,375     68   METERING CHARGE   per customer   188,740,290     69   TRANSMISSION COST RECOVERY FACTOR   per kWh   1.652,522,021     69   TRANSMISSION COST RECOVERY FACTOR   per kW   2,316,708,494     71   DISTRIBUTION SERVICE CHARGE   per kW   2,0077,165     72   ENERGY EFFICIENCY COST RECOVERY   per kW   -     74   DISTRIBUTION COST RECOVERY FACTOR   per kW   -	57		NUCLEAR DECOMMISSIONING CHARGE	per kW	2,006,004	\$ 0.045	\$ 0.040	12.5%
59   DISTRIBUTION COST RECOVERY FACTOR   per kW   -   \$   \$   -   \$   \$   -   \$   \$   -   \$   \$   \$   -   \$   \$   \$   -   \$ <td>58</td> <td></td> <td>ENERGY EFFICIENCY COST RECOVERY</td> <td>per kWh</td> <td>18,725</td> <td>\$ 0 000017</td> <td>\$ 0 000017</td> <td>0.0%</td>	58		ENERGY EFFICIENCY COST RECOVERY	per kWh	18,725	\$ 0 000017	\$ 0 000017	0.0%
60 CUSTOMER CHARGE per customer 1,471,849   61 METERING CHARGE per customer 142,786   62 TRANSMISSION COST RECOVERY FACTOR 0   63 LIGHTING DISTRIBUTION SERVICE CHARGE 59,672,372   64 NUCLEAR DECOMMISSIONING CHARGE per kW 61,614   65 ENERGY EFFICIENCY COST RECOVERY FACTOR 0   66 DISTRIBUTION COST RECOVERY FACTOR per kWh 0   67 CUSTOMER CHARGE per customer 97,562,375   68 METERING CHARGE per customer 97,562,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 2,346,708,494   71 DISTRIBUTION COST RECOVERY per kW -   72 ENERGY EFFICIENCY COST RECOVERY per kW -   74 DISTRIBUTION COST RECOVERY FACTOR per kW -	59		DISTRIBUTION COST RECOVERY FACTOR	per kW	· · ·	\$	\$-	· ·
61 METERING CHARGE per customer 142,786   62 TRANSMISSION COST RECOVERY FACTOR - 0   63 LIGHTING DISTRIBUTION SERVICE CHARGE - 59,672,372   64 NUCLEAR DECOMMISSIONING CHARGE per kW 61,614   65 ENERGY EFFICIENCY COST RECOVERY per kWh 0   66 DISTRIBUTION COST RECOVERY FACTOR per customer 97,562,375   68 METERING CHARGE per customer 97,562,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kW 2,316,708,494   73 DISTRIBUTION COST RECOVERY FACTOR per kW 2,316,708,494   74 TISTRIBUTION COST RECOVERY FACTOR per kW 2,316,708,494	60		CUSTOMER CHARGE	per customer	1,471,849			
62 TRANSMISSION COST RECOVERY FACTOR - 0   63 LIGHTING DISTRIBUTION SERVICE CHARGE - 59,672,372   64 NUCLEAR DECOMMISSIONING CHARGE <i>per kW</i> 61,614   65 ENERGY EFFICIENCY COST RECOVERY <i>per kWh</i> 0   66 DISTRIBUTION COST RECOVERY FACTOR <i>per customer</i> 97,562,375   68 METERING CHARGE <i>per customer</i> 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR <i>per kW</i> 1,652,222,021   70 TOTAL DISTRIBUTION SERVICE CHARGE <i>per kW</i> 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE <i>per kW</i> 83,410,517   72 ENERGY EFFICIENCY COST RECOVERY FACTOR <i>per kW</i> 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR <i>per kW</i> -	61		METERING CHARGE	per customer	142,786			
63 LIGHTING DISTRIBUTION SERVICE CHARGE - 59,672,372   64 NUCLEAR DECOMMISSIONING CHARGE - 61,614   65 ENERGY EFFICIENCY COST RECOVERY per kWh 0   66 DISTRIBUTION COST RECOVERY FACTOR per kWh -   67 CUSTOMER CHARGE per customer 97,562,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kWh 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kWh -   74 T 4,359,020,862	62		TRANSMISSION COST RECOVERY FACTOR	-	0			
64 NUCLEAR DECOMMISSIONING CHARGE per kWh 61,614   65 ENERGY EFFICIENCY COST RECOVERY per kWh 0   66 DISTRIBUTION COST RECOVERY FACTOR per kWh -   67 CUSTOMER CHARGE per customer 97,562,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kWh 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -   74 4,359,020,862 -	63	LIGHTING	DISTRIBUTION SERVICE CHARGE	-	59,672,372			
65 ENERGY EFFICIENCY COST RECOVERY per kWh 0   66 DISTRIBUTION COST RECOVERY FACTOR per kWh -   67 CUSTOMER CHARGE per customer 97,562,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kW 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW 4,359,020,862	64		NUCLEAR DECOMMISSIONING CHARGE	per kW	61,614			
ob DISTRIBUTION COST RECOVERY FACTOR per customer 97,562,375   67 CUSTOMER CHARGE per customer 97,562,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -   74 4,359,020,862	65		ENERGY EFFICIENCY COST RECOVERY	per kWh	0	1		
67 CUSTOMEN CHARGE per customer 97,552,375   68 METERING CHARGE per customer 188,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kWh 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -	66		DISTRIBUTION COST RECOVERY FACTOR	ρθε κννη	07 500 075			
bit Immediating Change per customer 185,740,290   69 TRANSMISSION COST RECOVERY FACTOR per kW 1,652,522,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kW 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -	67		CUSTOMER CHARGE	per customer	97,562,375			
09 TOTAL THANSMISSION COST RECOVERY 1,002,022,021   70 TOTAL DISTRIBUTION SERVICE CHARGE per kW 2,316,708,494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kWh 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -	68		TRANSMISSION COST RECOVERY FACTOR	per customer	1 650 500 004			
70 101AL Distribution service Grande per kw 2,010,70,70494   71 NUCLEAR DECOMMISSIONING CHARGE per kW 20,077,165   72 ENERGY EFFICIENCY COST RECOVERY per kWh 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -   74 4,359,020,862	69 70			per kill	2 316 709 404			
71 1000LLAR DECOMING OF TABLE Der KW 2007 / 100   72 ENERGY EFFICIENCY COST RECOVERY per kWh 83,410,517   73 DISTRIBUTION COST RECOVERY FACTOR per kW -   74 4,359,020,862	70	IUTAL		per kW	20.077.165			
73 DISTRIBUTION COST RECOVERY FACTOR per kW - 4,359,020,862	70			ner kWh	83 410 517			
74 4,359,020,862	72		DISTRIBUTION COST RECOVERY FACTOR	per kW				
	74	· · · · · · · ·			4,359.020.862			

\*Present Rates Include September 1, 2021 Distribution Cost Recovery Factor

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: MATTHEW A. TROXLE

SUMMARY OF CLASS PROPOSED RATES (EXCLUDING WHOLESALE)

r	T	SUMMANT OF CLASS PROPUSED HATE	J (LACLODAR		DATES		LINGT
				PROPOSI		•	CHARGE
1	r					PRESENT	%
LINE	CLASS	CHARGES	UNIT	l s	UNIT CHARGE	RATES	CHANGE
NO.	(a)	(b)	(c)	(d)	(e)	(f)	(g)
1		CUSTOMER CHARGE	per customer	57,085,118	\$ 1.46	\$ 0.90	62.2%
2		METERING CHARGE	per customer	111,824,273	\$ 2.86	\$ 2.52	13 5%
3		TRANSMISSION COST RECOVERY FACTOR	per kWh	758,188,213	\$ 0 016793	\$ 0.015574	7 8%
4		DISTRIBUTION SERVICE CHARGE	per kWh	1,207,531,255	\$ 0.026218	\$ 0.022054	18 9%
17	RESIDENTIAL	NUCLEAR DECOMMISSIONING CHARGE	per kWh	9,142,535	\$ 0.000199	\$ 0.000218	-8.7%
1 B			per kwn	51,571,075	\$ 0.001061	\$ 0.001061	0.0%
1 10		TOTAL (avaluating NDC)	per kwn	0.196.100.004	D 047467	\$ ·	44.007
1 11		TOTAL (excluding NDC)	per killh	2,100,155,534	\$ 0.047407	\$ 0.042700	10.0%
1	·····		per kwn	2,195,342,409	\$ 0.04/005	\$ 0.042970	10.9%
12		METERING CHARGE	per customer	17 206 384	\$ 2.31	\$ 2.05	12.7%
14	[	TRANSMISSION COST RECOVERY FACTOR	ner kWh	21 192 617	\$ 0.011538	\$ 0.010623	-22 4%
15	l .	DISTRIBUTION SERVICE CHARGE*	per kWh	41,130,822	\$ 0.021884	\$ 0.023963	-8.7%
18	SECONDABY ≤ 10 kW	NUCLEAR DECOMMISSIONING CHARGE	per kWh	244,163	\$ 0.000130	\$ 0.000127	2.4%
19		ENERGY EFFICIENCY COST RECOVERY	per kWh	1,154,847	\$ 0 000636	\$ 0.000636	0.0%
20		DISTRIBUTION COST RECOVERY FACTOR	per kWh		\$ -	\$ -	
21		TOTAL (excluding NDC)	per kWh	89,123,470	\$ 0.047419	\$ 0.051000	-7.0%
22		TOTAL	per kWh	89,367,633	\$ 0.047549	\$ 0.051121	-7.0%
23		CUSTOMER CHARGE	per customer	27,850,838	\$ 11.40	\$ 925	23.2%
24		METERING CHARGE	per customer	53,112,037	\$ 21.74	\$ 30.82	-29.5%
25		TRANSMISSION COST RECOVERY FACTOR			\$-		
26		NON-IDR CUSTOMERS	per kW	391,334,579	\$ 4 096166	\$ 3.967045	3 3%
27		IDR CUSTOMERS	per kW	159,840,884	\$ 4.540415	\$ 6.210678	-26.9%
28	SECONDARY >10 kW	DISTRIBUTION SERVICE CHARGE*	per kW	818,259,628	\$ 5.951686	\$ 4 988132	19.3%
29	1	INVOLEAR DECOMMISSIONING CHARGE	per KW	0,332,036	a 0.045	φ 0.053 ¢ 0.000007	-15.1%
30	1	DISTRIBUTION COST RECOVERY	per kwn	29,641,515	s 0.000637	ຈ ບຸບບບ637 ເ	00%
1 31	1	TOTAL (excluding MDC)	per kwh	1 480 020 482	\$ 0.0202F0	\$ 0.000E0	2 10
32		TOTAL (excluding NDC)	per kwn	1,400,039,482	\$ 0.032336	\$ 0.033052 \$ 0.022228	-2.1%
24		CUSTOMER CHARGE	Der customer	250 460	\$ 0.002490	\$ 0.033228	-2.2%
25			per customer	744 240	\$ 20.00	\$ 1950	D 19/
36		TRANSMISSION COST RECOVERY FACTOR	ner kWh	219 196	\$ 0.007947	\$ 0,006846	16.1%
37		DISTRIBUTION SERVICE CHARGE*	per kWh	295,365	\$ 0.010615	\$ 0.004433	139.5%
40	PRIMARY ≤ 10 kW	NUCLEAR DECOMMISSIONING CHARGE	per kWh	3,618	\$ 0.000130	\$ 0 000151	-13.9%
41		ENERGY EFFICIENCY COST RECOVERY	per kWh	3,022	\$ 0.000193	\$ 0 000193	0.0%
42		DISTRIBUTION COST RECOVERY FACTOR	per kWh	-	\$-	\$-	I
43		TOTAL (excluding NDC)	per kWh	1,621,291	\$ 0.058267	\$ 0.044289	31.6%
44		TOTAL	per kWh	1,624,909	\$ 0.058397	\$ 0.044438	31.4%
45		CUSTOMER CHARGE	per customer	1,309,055	\$ 15.24	\$ 1557	-2.1%
46		METERING CHARGE	per customer	4,005,330	\$ 46.63	\$ 36.15	29 0%
47		TRANSMISSION COST RECOVERY FACTOR					
48		NON-IDH CUSTOMERS	per kw	22,1/1,286	\$ 4 126835 ¢ 4 000599	\$ 100/928	147,4%
49	PRIMARY >10 kW		per kw	151 007 533	\$ 3,846202	\$ 3005999	9 7%
50	DISTRIBUTION LINE	NUCLEAR DECOMMISSIONING CHARGE	per kW	1 678 871	\$ 0.040202	\$ 0.048	-3.7%
52		ENERGY EFFICIENCY COST RECOVERY	ner kWh	753 406	\$ 0.000061	\$ 0.0000.1	0.0%
53		DISTRIBUTION COST RECOVERY FACTOR	per kW	-	\$ -	\$ -	
54		TOTAL (excluding NDC)	per kWh	296,445,864	\$ 0.017211	\$ 0.015693	9.7%
55	Í .	TOTAL	per kWh	298,124,735	\$ 0.017308	\$ 0.015803	9.5%
56		CUSTOMER CHARGE	per customer	305,323	\$ 195.72	\$ 151 17	29.5%
57		METERING CHARGE	per customer	532,397	\$ 341.28	\$ 248.57	37.3%
58		TRANSMISSION COST RECOVERY FACTOR		45,384,309	\$ 5.816649	\$ 3 002517	93.7%
59		DISTRIBUTION SERVICE CHARGE*	per kW	13,404,712	\$ 1.089114	\$ 0 525283	107.3%
60	SUBSTATION	NUCLEAR DECOMMISSIONING CHARGE	per kW	608,324	\$ 0.049	\$ 0.037	32.4%
61	cobernion	ENERGY EFFICIENCY COST RECOVERY	per kWh	267,927	ຈ 0.000079	\$ 0 000079	0.0%
62		UISTRIBUTION COST RECOVERY FACTOR	per kwn	50 004 CCC	¢ 0.000464	* 0.005400	- 0E 00/
63		TOTAL (excluding NDC)	per kwn	59,894,008	4 0.009401	C 0.005106	05.3%
64			per awn	741.004	¢ 0.009557	\$ 160.40	34 00/
60		METERING CHARGE	per customer	1 170 RAD	ψ ∠10.4/ \$ 245.96	\$ 256.94	34 5%
67	1	TRANSMISSION COST BECOVERY FACTOR	per kW	137,791 683	\$ 5 489772	\$ 3 902847	40.7%
68		DISTRIBUTION SERVICE CHARGE*	per KW	24,606.806	\$ 0.570589	\$ 0.259172	120.2%
69	TRANSMISSION	NUCLEAR DECOMMISSIONING CHARGE	per kW	2,006.004	\$ 0.045	\$ 0.040	12.5%
70		ENERGY EFFICIENCY COST RECOVERY	per kWh	18,725	\$ 0.000017	\$ 0.000017	0.0%
71		DISTRIBUTION COST RECOVERY FACTOR	per kWh	-	\$-	\$	
72		TOTAL (excluding NDC)	per kWh	164,331,981	\$ 0.007797	\$ 0.005445	43.2%
73	<u> </u>	TOTAL	per kWh	166,337,985	\$ 0.007892	\$ 0.005528	42.8%
74		CUSTOMER CHARGE	per customer	1,471,849			
75		METERING CHARGE	per customer	142,786			
76		TRANSMISSION COST RECOVERY FACTOR	per kW	0			
77		DISTRIBUTION SERVICE CHARGE	per kW	59,672,372			
78	LIGHTING	NUCLEAR DECOMMISSIONING CHARGE	per KW	61,614			
79		ENERGY EFFICIENCY COST RECOVERY	per kwh	0	l.		
80		TOTAL (availation LIDO)	per KWN	61 007 007		\$ 60 274 540	4 20/
81		TOTAL (excluding NDC)	per kwn	01,207,007		¢ 00,374,342	1.5%
83		INTAL OUTPOL	per kwri	01,346,021	· · · · · · · · · · · · · · · · · · ·	₩ 00,403,378	1.5%
84		METEDING CHARGE	per customer	188 740 200			
60 90		TRANSMISSION COST RECOVERY FACTOR	per kW	1 652 522 021			I
87		DISTRIBUTION SERVICE CHARGE	per kW	2,316,708,494			
88	TOTAL	NUCLEAR DECOMMISSIONING CHARGE	per kW	20,077,165			
89	10 IAE	ENERGY EFFICIENCY COST RECOVERY	per kWh	83,410,517			
90		DISTRIBUTION COST RECOVERY FACTOR	per kWh	-			
91		TOTAL (excluding NDC)	per kWh	4,338,943,697	\$ 0.031194	\$ 0.029240	6.7%
92		TOTAL	per kWh	4,359,020,862	\$ 0.03133B	\$ 0.029400	6.6%

Schedule IV-J-7 Page 3 of 19

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

# RESIDENTIAL SERVICE - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)		
LINE		BILLING							
<u>NO.</u>	CLASS BILLING STATISTICS								
1	Number of Annual Bills	39,099,396							
2	Annual Kwn	46,057,336,770							
3	Annual Distribution Billing KW	274,375,630							
4									
5			CALCUI						
0					JADOE		CHARCE		
, ,				PACILITIES OF		/DED I			
0	FUNCTION	(FOD) 01	¢/Bill/Month	¢	\$/k\M/b	¢	\$/J/A/		
9		Ψ	φ/Διμ/Ινιστιττ			Ψ	Φ/ΚΨΨ		
10	1. Hansmission (TRAN)								
11	2 Distribution (DIST) <sup>2</sup>	_	_	1 207 545 358	0.026218				
12	2. Distribution (DIST)			1,201,010,000	0.000010				
13	3. Metering (MET)	111.684.992	2 86		-	-	-		
14									
15	4. Other Sevices (TDCS)	57,205,975	1.46	-	-				
16	,								
17									
18									
19	TOTAL	168,890,967	4.32	1,207,545,358	0.026218		-		
20					_		-		
21		FUNCTION		PROP	OSED CHARG	ES			
22		SUMMARY			UNIT	TOTAL			
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE			
24	1 Transmission (TRAN)	-		Meter Charge	\$ 2.86	\$ 111,824,273			
25	2 Distribution (DIST) <sup>2</sup>	1,207,545,358		Customer Charge	\$ 146	\$ 57,085,118			
26				Facilities Charge	\$ 0.026218	\$ 1,207,531,255			
27	3. Metering (MET)	111,684,992		TOTAL		\$ 1,376,440,646			
28									
29	4. Other Sevices (TDCS)	57,205,975		"Unit Charge is per kwn			1		
30									
31									
32									
33	TOTAL	1,376,436,325							
34									
35	'Number of bills from Schedule II-H-4	I, page 9, column (a),	line 1						

36 <sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 1

37 <sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 1

38 <sup>2</sup> Excludes Acct 565 - Transmission of Electricity by Others
Schedule IV-J-7 Page 4 of 19

### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: MATTHEW A. TROXLE

### SECONDARY SERVICE LESS THAN OR EQUAL TO 10 kW - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
LINE NO.	CLASS BILLING STATISTICS	BILLING <u>UNITS<sup>1</sup></u>					
1	Number of Annual Bills	3,653,160					
2	Annual kWh	1,879,492,852					
3	Annual Distribution Billing kW	8,346,232					
4							
5							
6			CALCULA	TION OF UNIT CHARGES	S USING BILLING	G UNITS	
7		POINT OF I	DELIVERY	FACILITIES CH	IARGE	FACILITIES C	HARGE
8		(POD) C	HARGE	(PER KW	H)	(PER KV	V)
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
10	1. Transmission (TRAN)	-		· · · · · · · · · · · · · · · · · · ·	·		
11	2. Distribution (DIST) <sup>2</sup>			41,122,596	0.021880		
12					[ 1		
13	3 Metering (MET)	17,198,917	4 71		i		
14							
15	4. Other Sevices (TDCS)	8,455,437	2.31	÷		r	
16							
19		1					
10	τοτοι	25 654 353	7.02	41 122 596	0.021880		
20	10 ML	20,004,000		41,122,000	0.0210001		
21		FUNCTION		PROP	OSED CHARC	GES	
22		SUMMARY			UNIT	TOTAL	
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE	
24	1. Transmission (TRAN)			Meter Charge	\$ 4.71	\$ 17,206,384	
25	2. Distribution (DIST) <sup>2</sup>	41,122,596		Customer Charge	\$ 2.31	\$ 8,438,800	
26				Facilties Charge	\$ 0.021884 *	\$ 41,130,822	
27	3. Metering (MET)	17,198,917		TOTAL		\$ 66,776,006	
28	1 Other Courses (TDCC)	0 455 497		*I Init Charge in per KM			
29	4: Other Sevices (TDCS)	0,435,437		Unit Charge is per Kwi			
30		<u>-</u>					
31							
32	TOTAL	66 776 950					
34	IOTAL	66,776,950					
35	<sup>1</sup> Number of bills from Schedule II-H-4.1	L nage 9 column (a)	line 3				
36	<sup>1</sup> Annual kWh from Schedule II-H-4.1. p	age 9, column (b). li	ne 3				

<sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 3

<sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 3

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#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

### SECONDARY SERVICE GREATER THAN 10 kW - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
LINE NO	CLASS BILLING STATISTICS	BILLING <u>UNITS<sup>1</sup></u>					
1	Number of Annual Bills	2,443,056					
2	Annual kWh	45,739,461,477					
3	Annual Distribution Billing kW	137,483,669					
4							
5							
6		•	CALCULATIO	ON OF UNIT CHARGE	S USING BILLING	UNITS	
7		POINT OF D	ELIVERY	FACILITIES	CHARGE	FACILITIES CH	ARGE
8		(POD) CH	IARGE	(PER K	WH)	(PER KW	)
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
10	1. Transmission (TRAN)	-			•		-
11	2. Distribution (DIST) <sup>2</sup>					818,254,176	5.951646
12	2 Motorpa (MET)	53 110 896	21 74				
13	3. Metering (MET)	53,110,866	21.74		·		
14	4 Other Soulage (TDCP)	07 957 670	11 40				
10	4. Other Sevices (TDCS)	27,007,070	11.40		· · · · · ·		
17							
19						ţ	
19	TOTAL	80,968,556	33.14			818,254,176	5.951646
20		· · · · ·		-1			
21		FUNCTION		PR	OPOSED CHA	RGES	
22		SUMMARY			UNIT	TOTAL	
23	FUNCTION	s		DESCRIPTION	CHARGE	REVENUE	
24	1. Transmission (TRAN)			Meter Charge	\$ 21.74	\$ 53,112,037	
25	2. Distribution (DIST) <sup>2</sup>	818,254,176		Customer Charge	\$ 11.40	\$ 27,850,838	
26				Facilties Charge	\$ 5.951686 *	\$ 818,259,628	
27	3. Metering (MET)	53,110,886		TOTAL		\$ 899,222,503	
28	3 ( )						
29	4 Other Sevices (TDCS)	27 857 670		*Unit Charge is per	kW		
30				grin grin grin por			
31		<u> </u>			· ·	ليصحب	
30							
33	ΤΟΤΔΙ	899 222 733					
34	1 VIAL	000,222,700					
04	<b>*</b>						

35 <sup>1</sup>Number of bills from Schedule II-H-4.1, page 9, column (a), line 5 + line 6

36 <sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 5 + line 6

37 <sup>1</sup>Annual Distribution Billing kW from WP/IV-J-7/1 page 16, column (d), line 42

Schedule IV-J-7 Page 6 of 19

### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

### PRIMARY SERVICE LESS THAN OR EQUAL TO 10 kW - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
LINE <u>NO.</u> 1 2 3 4	CLASS BILLING STATISTICS Number of Annual Bills Annual KWh Annual Distribution Billing kW	BILLING <u>UNITS<sup>1</sup></u> 37,212 27,825,268 95,442					
5		r					
6 7 8		POINT OF (POD) C	CALCUL DELIVERY CHARGE	ATION OF UNIT CHARGE FACILITIES CI (PER KW	ES USING BILLING HARGE H)	FACILITIES CI	HARGE /)
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
10	1 Transmission (TRAN)	-	-	-	-	-	
11 12	2. Distribution (DIST) <sup>2</sup>			295,364	0.010615		
13 14	3. Metering (MET)	744,279	20.00				
15 16 17	4. Other Sevices (TDCS)	359,398	9.66				
18 19	TOTAL	1,103,677	29.66	295,364	0.010615	-	
20		·		(			
21		FUNCTION		PROP	OSED CHARGE	S	
22		SUMMARY			UNIT	TOTAL	
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE	
24	1. Transmission (THAN)			Meter Charge	\$ 20.00	\$ 744,240	
25 26	2. Distribution (DIST) <sup>2</sup>	295,364		Customer Charge Facilties Charge	\$	\$ 359,468 \$ 295,365	
27 28	3. Metering (MET)	744,279		TOTAL		\$ 1,399,073	
29 30 31 32	4. Other Sevices (TDCS)	359,398		*Unit Charge is per kWh		<u> </u>	
33 34	TOTAL	1,399,041					
35 36	<sup>1</sup> Number of bills from Schedule II-H-4.1 <sup>1</sup> Annual kWh from Schedule II-H-4 1, pa	, page 9, column ( age 9, column (b),	a), line 8 line 8				

37 <sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 8

Schedule IV-J-7 Page 7 of 19

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: MATTHEW A. TROXLE

#### PRIMARY SERVICE GREATER THAN 10 kW - DISTRIBUTION LINE - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
LINE		BILLING					
NO.	CLASS BILLING STATISTICS	UNITS <sup>1</sup>					
1	Number of Annual Bills	85,896					
2	Annual kWh	17,224,546,355					
3	Annual Billing kW	39,469,464					
4	3						
5							
6			CALCUL	ATION OF UNIT CHAF	RGES USING BIL	LING UNITS	
7		POINT OF D	DELIVERY	FACILITIES C	HARGE	FACILITIES	CHARGE
8		(POD) CI	IARGE	(PER KV	VH)	(PER I	(W)
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
10	1 Transmission (TRAN)	•				-	-
11	2 Distribution (DIST) <sup>2</sup>	-	-			133,694,019	3 387277
12							
13	3. Metering (MET)	15,544,460	180.97		-   -	-	-
14							
15	4. Other Sevices (TDCS)	7,883,823	91 78		-   -		
16							
17							
18							
19	TOTAL	23,428,283	272.75			133,694,019	3.387277
20				-			
21		FUNCTION		PRO	POSED CHAI	RGES	
22		SUMMARY			UNIT	TOTAL	
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE	
24	1 Transmission (TRAN)	-		Meter Charge	\$ 46 63	\$ 4,005,330	
25	2. Distribution (DIST) <sup>2</sup>	133.694.019		Customer Charge	\$ 15.24	\$ 1,309,055	
26	× ,			Facilities Charge	\$ 3.846202	* \$ 151,807,533	
27	3. Metenng (MET)	15,544,460		TOTAL		\$ 157,121,918	
28							
29	4. Other Sevices (TDCS)	7.883.823		*Unit Charge is per k	w		
30							
31				L			
32							
33	ΤΟΤΔΙ	157 122 302					
34	10171						
<b>U</b> T							

35 <sup>1</sup>Number of bills from Schedule II-H-4.1, page 9, column (a), line 10 + line 11

36 <sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 10 + line 11

37 <sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4 1, page 9, column (c), line 10 + line 11

Schedule IV-J-7 Page 8 of 19

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: MATTHEW A. TROXLE

### PRIMARY SERVICE GREATER THAN 10 kW - SUBSTATION - RATE DESIGN AND PROOF OF REVENUE

LINE NO. CLASS BILLING STATISTICS UNITS 1,500 2 Arrual KWh 6,330,088,028 3 Annual Billing KW 12,307,905 4 7 8 6 7 8 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 8 7 7 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7		(a)	(b)	(c)	(d)	(e)	(f)	(g)
NO.      CLASS BILLING STATISTICS      UNITS!        1      Number of Annual Bills      1,560        2      Annual Billing KW      12,307,905        4      12,307,905        5      CALCULATION OF UNIT CHARGES USING BILLING UNITS        6      FACILITIES CHARGE        7      FOINT OF DELIVERY        8      FUNCTION        9      FUNCTION        11      2. Distribution (DIST) <sup>2</sup> 13      Metering (MET)        14      532,403        15      4. Other Sevices (TDCS)        18      TOTAL        24      Total        7      Statumark        9      FUNCTION        10      Transmission (TRAN)        11      2. Distribution (DIST) <sup>2</sup> 13      Metering (MET)        14      532,403        19      TOTAL        837,724      537,00        11      Transmission (TRAN)        11      Transmission (TRAN)        22      FUNCTION        23      FUNCTION        24      <	LINE		BILLING					
1    Number of Annual Bills    1,560      2    Annual KWh    6,330,088,028      3    Annual Billing KW    12,307,905      4    5    5      5    5    6      6    7    FUNCTION    5      9    FUNCTION    \$    \$      9    FUNCTION    \$    \$      10    1. Transmission (TRAN)    -    -      11    2. Distribution (DIST) <sup>2</sup> -    -    -      12    Distribution (DIST) <sup>2</sup> -    -    -    -      13    Metering (MET)    532,403    341,28    - <td>NO.</td> <td>CLASS BILLING STATISTICS</td> <td>UNITS1</td> <td></td> <td></td> <td></td> <td></td> <td></td>	NO.	CLASS BILLING STATISTICS	UNITS1					
2  Annual W/h  6,330,888,028    3  Annual Billing KW  12,307,905    5  -  -    6  -  -    7  POINT OF DELUVERY (POD) CHARGE (POD) CHARGE (POD) CHARGE (POD) CHARGE (POD) CHARGE (POD) CHARGE (PER KWH)  FACILITIES CHARGE (PER KWH)  FACILITIES CHARGE (PER KWH)    1  1. Transmission (TRAN)  -  -    1  2. Distribution (DIST) <sup>2</sup> -  -    12  .  -  -    13  .  Meterng (MET)  532,403    34  .  .  -  -    14  .  .  .  -    15  4. Other Sevices (TDCS)  .  .  .    18  TOTAL  .  .  .    24  1. Transmission (TRAN)  -  .  .    25  2. Distribution (DIST) <sup>2</sup> .  .  .    24  1. Transmission (TRAN)  .  .  .    25  2. Distribution (DIST) <sup>2</sup> .  .  .    26  .  .  .  .    27  .  .  .  .    28  FUNCTION  .  .  .    29  .	1	Number of Annual Bills	1,560					
3  Annual Billing kW  12,307,905    6  CALCULATION OF UNIT CHARGES USING BILLING UNITS    7  CALCULATION OF DELIVERY    9  FOUNT OF DELIVERY    9  FOUNT OF DELIVERY    10  1. Transmission (TRAN)    12  2. Distribution (DIST) <sup>2</sup> 13  Metering (MET)    14  532,403    15  4. Other Sevices (TDCS)    21  FUNCTION    13  TOTAL    14  FUNCTION    12  FUNCTION    13  Metering (MET)    14  Coher Sevices (TDCS)    20  FUNCTION    14  FUNCTION    15  FUNCTION    21  Size (TDCS)    22  FUNCTION    23  FUNCTION    24  Total    25  Size (TDCS)    36  Size (TDCS)    37.734  Size (TDCS)    37.734  Size (TDCS)    38.7.734  Size (TDCS)    39.7734  Size (TDCS)    305,331  Size (TDCS)	2	Annual kWh	6,330,888,028					
45    CALCULATION OF UNIT CHARGES USING BILLING UNITS      7    POINT OF DELIVERY    FACILITIES CHARGE      9    FUNCTION    \$\$Riki/Month    \$\$Riki/Month    \$\$Riki/Month      10    1. Transmission (TRAN)    -    -    -      11    2. Distribution (DIST) <sup>2</sup> -    -    -    -      13    3. Metering (MET)    532,403    341,28    -    -    -      14    .    Other Sevices (TDCS)    305,331    195.72    -	3	Annual Billing kW	12,307,905					
5  CALCULATION OF UNIT CHARGES USING BILLING UNITS    7  7  7  7  7  7  7  7  7    9  FUNCTION  \$  \$/FBU/Month  \$  \$/FW/M  \$  \$/FW/M    9  FUNCTION  \$  \$/FBU/Month  \$  \$/FW/M  \$  \$/FW/M    11  2. Distribution (DIST) <sup>2</sup> -  -  -  13,404,715  1089114    13  3. Metering (MET)  532,403  341,28  -  -  -    14  -  -  -  -  -  -    14  532,403  341,28  -  -  -  -    14  -  -  -  -  -  -  -    15  4. Other Sevices (TDCS)  305,331  195,72  -  -  -  -    18  TOTAL  837,734  537,00  -  -  13,404,715  1.069114    22  FUNCTION  \$  -  -  -  -  -    19  TOTAL  \$37,724  537,00  -  -  13,404,715  1.069114    23  FUNCTION  \$  S  S  S  S	4	-						
6      CALCULATION OF UNIT CHARGES USING BILLING UNITS        7      POINT OF DELIVERY (POD) CHARGE      FACILITIES CHARGE (PER KWH)      FACILITIES CHARGE (PER KWH)      FACILITIES CHARGE        9      FUNCTION      \$      \$/Bill/Month      \$      \$/AW      \$      \$/AW        10      1. Transmission (TRAN)      - <t< td=""><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	5							
7      POINT OF DELIVERY (POD) CHARGE      FACILITIES CHARGE (PER KWH)      FACILITIES CHARGE (PER KWH)        9      FUNCTION      \$ \$/BulW.Month      \$ \$/AWH      \$      \$ \$/AWW        10      1. Transmission (TRAN)      -	6			CALCU	LATION OF UNIT CHA	ARGES USING B	ILLING UNITS	
8      (POD) CHARGE      (PER KWH)      (PER KWH)        9      FUNCTION      \$ \$/Bil/Month      \$ \$/AWWh      \$ \$AWW        1      1. Transmission (TRAN)      -	7		POINT OF E	DELIVERY	FACILITIES	CHARGE	FACILITIES	CHARGE
9      FUNCTION      \$      \$/Bil/Month      \$      \$/AWh      \$      \$/AWh        10      1. Transmission (TRAN)      -	8		(POD) Cł	HARGE	(PER K)	WH)	(PER I	<w)< td=""></w)<>
10    1. Transmission (TRAN)    - <td>9</td> <td>FUNCTION</td> <td>\$</td> <td>\$/Bill/Month</td> <td>\$</td> <td>\$/kWh</td> <td>\$</td> <td>\$/kW</td>	9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
11    2. Distribution (DIST) <sup>2</sup> -    -    -    13,404,715    1089114      12    3. Metering (MET)    532,403    341,28    -	10	1. Transmission (TRAN)		·		<u>·</u>	· · ·	
12    3. Metering (MET)    532,403    341,28    - <t< td=""><td>11</td><td>2. Distribution (DIST)<sup>2</sup></td><td>-</td><td>-</td><td></td><td></td><td>13,404,715</td><td>1 089114</td></t<>	11	2. Distribution (DIST) <sup>2</sup>	-	-			13,404,715	1 089114
13    3. Metering (MET)    532,403    341,28    - <t< td=""><td>12</td><td></td><td>   </td><td></td><td></td><td></td><td></td><td></td></t<>	12							
14    4. Other Sevices (TDCS)    305,331    195.72    -	13	3. Metering (MET)	532,403	341.28				
15    4. Other Sevices (TDCS)    305,331    195.72    -    -    -      16	14							
16    17    17    17      18    17    18    18      19    TOTAL    837,734    537.00    -    13,404,715    1.089114      20    10    11, 17    10,404,715    1.089114    1.089114      21    FUNCTION    \$    UNIT    TOTAL    10,404,715    1.089114      23    FUNCTION    \$    UNIT    TOTAL    10,404,715    1.089114      24    1. Transmission (TRAN)    -    -    13,404,715    10,404,715    10,404,712      25    2. Distribution (DIST) <sup>2</sup> 13,404,715    13,404,715    13,404,712    \$    305,323      26    2. Distribution (MET)    532,403    532,403    Facities Charge    \$ 10,89114 *    \$ 13,404,712      27    3. Metering (MET)    532,403    -    -    -    -    -      28    4. Other Sevices (TDCS)    305,331    - </td <td>15</td> <td><ol><li>Other Sevices (TDCS)</li></ol></td> <td>305,331</td> <td>195.72</td> <td></td> <td>• •</td> <td></td> <td></td>	15	<ol><li>Other Sevices (TDCS)</li></ol>	305,331	195.72		• •		
17    18    19    TOTAL    837,734    537.00    -    -    13,404,715    1.089114      20    21    22    SUMMARY    UNIT    TOTAL      23    FUNCTION    \$    UNIT    TOTAL      24    1. Transmission (TRAN)    -    -    13,404,715      25    2. Distribution (DIST) <sup>2</sup> 13,404,715    Customer Charge    \$ 195.72    \$ 305,323      26    -    -    532,403    -    -    *    14,242,432      29    4. Other Sevices (TDCS)    305,331    -    *    *    14,242,449      34    TOTAL    14,242,449    -    *    14,242,449	16							
18    19    TOTAL    837,734    537.00    -    -    13,404,715    1.089114      20    20    FUNCTION    S    13,404,715    1.089114      21    FUNCTION    S    UNIT    TOTAL      22    FUNCTION    S    UNIT    TOTAL      23    FUNCTION    S    UNIT    TOTAL      24    1. Transmission (TRAN)    -    -    -      25    2. Distribution (DIST) <sup>2</sup> 13,404,715    Gustomer Charge    \$ 195.72    \$ 305,323      26    -    -    -    -    -    -      27    3. Metening (MET)    532,403    -    -    -    -      28    - <td< td=""><td>17</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	17							
19    TOTAL    837,734    537.00    -    -    13,404,715    1.089114      20    20    FUNCTION    \$    UNIT    TOTAL      22    SUMMARY    \$    UNIT    TOTAL    DESCRIPTION    CHARGE    REVENUE      24    1. Transmission (TRAN)    -    -    13,404,715    Customer Charge    \$ 341.28    \$ 532,397      25    2. Distribution (DIST) <sup>2</sup> 13,404,715    Customer Charge    \$ 195.72    \$ 305,323      26    7    3. Metening (MET)    532,403    Facilities Charge    \$ 1.089114 * \$ 13,404,712      29    4. Other Sevices (TDCS)    305,331    -    -    -      31    -    -    -    -    -    -      34    TOTAL    14,242,449    -    -    -    -	18							
20    FUNCTION      21    SUMMARY      22    SUMMARY      23    FUNCTION      24    1. Transmission (TRAN)      25    2. Distribution (DIST) <sup>2</sup> 26    13,404,715      27    3. Metering (MET)      28    -      29    4. Other Sevices (TDCS)      31    -      32    TOTAL      34    14,242,449	19	TOTAL	837,734	537.00		- <u> </u>	13,404,715	1.089114
PROPOSED CHARGES    22  SUMMARY    23  FUNCTION    24  1. Transmission (TRAN)    25  2. Distribution (DIST) <sup>2</sup> 26  1. Transmission (MET)    27  3. Metering (MET)    28  29    29  4. Other Sevices (TDCS)    31  31    32  14,242,449    34  14,242,449	20				<b></b>			1
22  SUMMARY    23  FUNCTION  \$    24  1. Transmission (TRAN)  -    25  2. Distribution (DIST) <sup>2</sup> 13,404,715    26  -    27  3. Metering (MET)    28  -    29  4. Other Sevices (TDCS)    31  -    32  -    33  TOTAL	21		FUNCTION		PR	OPOSED CHA	RGES	
23    FUNCTION    \$      24    1. Transmission (TRAN)	22		SUMMARY			UNIT	TOTAL	
24    1. Transmission (TRAN)    -      25    2. Distribution (DIST) <sup>2</sup> 13,404,715      26    -    -      27    3. Metening (MET)    532,403      28    -    -      29    4. Other Sevices (TDCS)    305,331      31    -    -      32    -    -      33    TOTAL    14,242,449      34    -    -	23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE	
25  2. Distribution (DIST) <sup>2</sup> 13,404,715    26	24	1. Transmission (TRAN)	-		Meter Charge	\$ 341.28	\$ 532,397	
26  27  3. Metenng (MET)  532,403    28  29  4. Other Sevices (TDCS)  305,331    30  305,331  "Unit Charge is per kW    31  32    33  TOTAL  14,242,449    34  34	25	2. Distribution (DIST) <sup>2</sup>	13,404,715		Customer Charge	\$ 195.72	\$ 305,323	
27  3. Metering (MET)  532,403    28  TOTAL    29  4. Other Sevices (TDCS)    30  305,331    31	26	× ,			Facilities Charge	\$ 1.089114	* \$ 13,404,712	
28  29  4. Other Sevices (TDCS)  305,331    30  305,331  *Unit Charge is per kW    31  32    33  TOTAL    34	27	3, Metenna (MET)	532,403		TOTAL		\$ 14,242,432	
29  4. Other Sevices (TDCS)  305,331    30	28							
30 31 32 33 TOTAL 14,242,449 34	29	4. Other Sevices (TDCS)	305.331		*Unit Charge is per I	kW		
31 32 33 TOTAL 14,242,449 34	30							
32 33 TOTAL 14,242,449 34	31				<u></u>		<u></u>	1
33 TOTAL 14,242,449	32							
34	33	TOTAL	14,242,449					
	34		·					

35 <sup>1</sup>Number of bills from Schedule II-H-4.1, page 9, column (a), line 12

36 <sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 12

37 <sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 12

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#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

### TRANSMISSION SERVICE - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)		(f)	(g)
LINE		BILLING						
NO.	CLASS BILLING STATISTICS	UNITS <sup>1</sup>						
1	Number of Annual Bills	3.396						
2	Annual kWh	21,076,754,598						
3	Annual Distribution Billing kW	43,125,273						
4	-							
5								
6			CALCUL	ATION OF UNIT CHAF	GES USING B	ILLING L	INITS	
7		POINT OF [	DELIVERY	FACILITIES	6 CHARGE		FACILITIES C	HARGE
8		(POD) CI	HARGE	(PER	KWH)		(PER KV	V)
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh		\$	\$/kW
10	1. Transmission (TRAN)				-		-	-
11	2 Distribution (DIST) <sup>2</sup>	-			-	-	24,606,815	0.570589
12								
13	3. Metering (MET)	1,172,829	345.36	·	-			<u> </u>
14 15	4. Other Sevices (TDCS)	741.937	218 47		_	_		
16								
17								
18								
19	TOTAL	1,914,766	563.83		-		24,606,815	0 570589
20		h <del>a</del>					·····	
21		FUNCTION		PR	OPOSED CH	IARGE	S	
22		SUMMARY			UNIT		TOTAL	
23	FUNCTION	\$		DESCRIPTION	CHARG	Ē	REVENUE	
24	1. Transmission (TRAN)			Meter Charge	\$ 34	5 36	\$ 1,172,843	
25	2. Distribution (DIST) <sup>2</sup>	24,606,815		Customer Charge	\$ 21	8.47	\$ 741,924	
26				Facilties Charge	\$ 0.570	0589 *	\$ 24,606,806	
27	3. Metenng (MET)	1,172,829		TOTAL			\$ 26,521,573	
28						-		
29	4. Other Sevices (TDCS)	741,937		*Unit Charge is per k	W			
30								
31								
32								
33	TOTAL	26,521,581						
34		•						

35 <sup>1</sup>Number of bills from Schedule II-H-4.1, page 9, column (a), line 13

<sup>1</sup>Annual kWh from Schedule II-H-4 1, page 9, column (b), line 13

37 <sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 13

38 <sup>2</sup> Excludes Acct 565 - Transmission of Electricity by Others

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Schedule IV-J-7 Page 10 of 19

(f)

(g)

#### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

#### LIGHTING SERVICE - RATE DESIGN (b) (c) (d)

(b)	
BILLING	

UNITS<sup>1</sup>

662,496

379,980,295

1,471,849

LINE NO. CLASS BILLING STATISTICS 1 Number of Annual Bills 2 Annual kWh 3 4 5 6 7 8 FUNCTION 9 1. Transmission (TRAN) 10 11 2. Distribution (DIST)<sup>2</sup> 12 13 3. Metering (MET) 14 4. Other Sevices (TDCS) 15 16 17 18 19 TOTAL 20 21 22

FUNCTION

Transmission (TRAN)
 Distribution (DIST)<sup>2</sup>

4 Other Sevices (TDCS)

3. Metering (MET)

23

24

25 26 27

28 29

34

35 36

37

ţ

(a)

	CALCUL	ATION OF UNIT CHARG	ES USING BILLIN	IG UNITS	
POINT OF	DELIVERY	FACILITIES (	CHARGE	FACILITIES	CHARGE
(POD) C	HARGE	(PER K)	VH)	(PER	KW)
\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
-	-	-	-		-
				59,672,37	2
142,786		-		-	-
1,471,849	-				
			-		·   · · · ·
1,614,635	·	<u> </u>		59,672,37	2
FUNCTION		PRO	POSED CHAR	GES	
SUMMARY			UNIT	TOTAL	
\$		DESCRIPTION	CHARGE	REVENUE	
		Meter Charge	-	\$ 142,78	6
59,672,372		Customer Charge		\$ 1,471,84	9
		Facilties Charge	-	\$ 59,672,37	2
142,786		TOTAL		\$ 61,287,00	7

Proposed Charges found in WP/IV-J-7/1 Pages 6-14

(e)

TOTAL 61,287,007

<sup>1</sup>Number of bills from Schedule II-H-4.1, page 9, column (a), line 19

<sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 19

Schedule IV-J-7 Page 11 of 19

### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

#### SPONSOR: MATTHEW A. TROXLE

### WHOLESALE SUBSTATION SERVICE - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
LINE		BILLING					
NO.	CLASS BILLING STATISTICS	UNITS <sup>1</sup>					
1	Number of Annual Bills	180					
2	Annual kWh	320,826,601					
3	Annual Billing kW	1,579,356					
4							
5							
6			CALCUL	ATION OF UNIT CHAR	GES USING BIL	LING UNITS	
7		POINT OF D	ELIVERY	FACILITIES C	HARGE	FACILITIE	S CHARGE
8		(POD) CH	ARGE	(PER KV	VH)	(PEF	3 KW)
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
10	1 Transmission (TRAN)	•				-	
11	2. Distribution (DIST) <sup>2</sup>		-			1,480,635	0.937493
12							
13	3. Metering (MET)	62,823	349.02			-	-
14							
15	<ol><li>Other Sevices (TDCS)</li></ol>	29,391	163.28				
16							
17							
18							
19	TOTAL	92,214	512.30	·	••	1,480,635	0.937493
20							
21		FUNCTION		PRO	POSED CHAF	GES	
22		SUMMARY			UNIT	TOTAL	
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE	
24	1. Transmission (TRAN)	-		Meter Charge	\$ 349.02	\$ 62,824	
25	2. Distribution (DIST) <sup>2</sup>	1,480,635		Customer Charge	\$ 163.28	\$ 29,390	
26				Facilities Charge	\$ 0.937493	* \$ 1,480,635	
27	<ol><li>Metering (MET)</li></ol>	62,823		TOTAL		\$ 1,572,849	
28							
29	4. Other Sevices (TDCS)	29,391		*Unit Charge is per k	W		
30							
31				N			
32							
33	TOTAL	1,572,849					
34							

<sup>1</sup>Number of bills from Schedule II-H-4.1, page 9, column (a), line 21

<sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 21

<sup>1</sup>Annual Distribution Billing kW from (I-H-4.1, page 9, column (c), line 21

38 <sup>2</sup> Excludes Acct 565 - Transmission of Electricity by Others

37 38 39

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Schedule IV-J-7 Page 12 of 19

### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

#### WHOLESALE DISTRIBUTION LINE SERVICE - RATE DESIGN AND PROOF OF REVENUE (b) (c) (e) (f)

	(a)	(b)	(C)	(d)	(e)	(f)	(g)
LINE		BILLING					
NO.	CLASS BILLING STATISTICS						
1	Number of Annual Bills	576					
2	Annual kWh	405.551.582					
3	Annual Billing kW	1,821,139					
4	5						
5							
6			CALCUL	ATION OF UNIT CHAR	GES USING BILL	ING UNITS	
7		POINT OF D	DELIVERY	FACILITIES C	HARGE	FACILITIES	CHARGE
8		(POD) CH	HARGE	(PER KW	/H)	(PER I	<w)< td=""></w)<>
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW
10	1. Transmission (TRAN)	-	-	-	-	-	-
	2. Distribution (DIST) <sup>2</sup>					6 540 964	0 500570
10	2 Distribution (DIST)					0,549,004	3 290270
12	3 Motoring (MET)	146 696	254 66				
14	o. Meternig (MET)	140,000	204.00			h	
15	4 Other Sevices (TDCS)	68 581	119.06				
16		00,001	110.00				
17							
18							
19	TOTAL	215,267	373.72	-		6,549,864	3.596576
20							
21		FUNCTION		PROF	POSED CHAR	GES	
22		SUMMARY			UNIT	TOTAL	
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE	
24	1. Transmission (TRAN)			Meter Charge	\$ 254.66	\$ 146,684	
25	2. Distribution (DIST) <sup>2</sup>	6,549,864		Customer Charge	\$ 119.06	\$ 68,579	
26				Facilties Charge	\$ 3.596576 '	\$ 6,549,865	
27	3. Metering (MET)	146,686		TOTAL		\$ 6,765,128	
28						1	
29	4. Other Sevices (TDCS)	68,581		*Unit Charge is per kl	W	1	
30				l			
31							
32							
33	TOTAL	6,765,131					
34							
35	<sup>1</sup> Number of bills from Schedule II-H-4.1	i, page 9, column (a),	line 22				

36 <sup>1</sup>Annual kWh from Schedule II-H-4.1, page 9, column (b), line 22

37 <sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 22

Schedule IV-J-7 Page 13 of 19

### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC PROOF OF REVENUE STATEMENT FOR THE TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: MATTHEW A. TROXLE

### WHOLESALE SUBSTATION NTU SERVICE - RATE DESIGN AND PROOF OF REVENUE

	(a)	(b)	(c)	(d)	(e)	(f)	(g)			
LINE		BILLING								
NO.	CLASS BILLING STATISTICS	UNITS'								
1	Number of Annual Bills	408								
2	Annual kWh	-								
3	Annual Billing kW	11,321,940								
4	-									
5										
6			CALCUL	ATION OF UNIT CHAR	GES USING BILLI	NG UNITS				
7		POINT OF D	POINT OF DELIVERY FACILITIES CHARGE FACILITIES							
8		(POD) CH	ARGE	(PER KV	VH)	(PEF	R KW)			
9	FUNCTION	\$	\$/Bill/Month	\$	\$/kWh	\$	\$/kW			
10	1. Transmission (TRAN)	-	-							
44	2 Distribution (DIST) <sup>2</sup>					12 516 178	1 105480			
12	2. Bisinbulon (BIOT)					12,010,110	1.103400			
13	3 Metering (MET)	531.062	1 301 62			1 _1				
14	o metering (metry	001,002								
15	4 Other Sevices (TDCS)	248,446	608.94							
16										
17										
18										
19	TOTAL	779,508	1910.56	· · · · · · · · · · · · · · · · · · ·		12,516,178	1.105480			
20										
21		FUNCTION		PROP	OSED CHARG	ES				
22		SUMMARY			UNIT	TOTAL				
23	FUNCTION	\$		DESCRIPTION	CHARGE	REVENUE				
24	1 Transmission (TRAN)	-		Meter Charge	\$ 1,301.62	\$ 531,061				
25	2. Distribution (DIST) <sup>2</sup>	12,516,178		Customer Charge	\$ 608.94	\$ 248,448				
26				Facilties Charge	\$ 1.105480 *	\$12,516,178				
27	<ol><li>Metering (MET)</li></ol>	531,062		TOTAL		\$13,295,687				
28										
29	4. Other Sevices (TDCS)	248,446		*Unit Charge is per k	W					
30				L						
31										
32										
33	TOTAL	13,295,686	••							
34			-							
35	<sup>1</sup> Number of bills from Schedule II-H-4.	1, page 9, column (a)	line 27							

<sup>1</sup>Annual Distribution Billing kW from Schedule II-H-4.1, page 9, column (c), line 27

<sup>2</sup> Excludes Acct 565 - Transmission of Electricity by Others 37

38 \*\*Schedule I-A-I, page 1, column (k), line 16

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### SPONSOR: MATTHEW A. TROXLE

Rider Transmission Cost Recovery Factor (TCRF) - Class Revenue Requirements* 1,652									
	(a)	(b)	(C)	(d)	(e)	(f)			
		Ride	r TCRF Effective Sept	ember 1, 2022					
	_		Annual Class						
Line		4 CP	Revenue		TCRF Unit				
No.	Rate Class	Allocators	Requirement	Type	<u>Charge</u>				
1	Residential Service	45.88067225%	\$379,094,106	kWh	\$0.016793				
2	Secondary Service								
3	Less Than or Equal to 10 kW	1.28244083%	\$10,596,309	kWh	\$0.011538				
4	Greater Than 10 kW								
5	Non-IDR	23.68105079%	\$195,667,290	NCP kW	\$4.096166				
6	IDR	9.67254187%	\$79,920,442	4CP kW	\$4.540415				
7	Primary Service								
8	Less Than or Equal to 10 kW	0.01326433%	\$109,598	kWh	\$0.007947				
9	Greater Than 10 kW								
10	Non-IDR	1.34166359%	\$11,085,643	NCP KW	\$4.126835				
11	IDR	7.04373387%	\$58,199,627	4CP kW	\$4.923588				
12	Substation	2.74636637%	\$22,692,155	4CP kW	\$5.816649				
13	Transmission Service	8.33826609%	\$68,895,842	4CP kW-	\$5.489772				
14	Lighting Service	0.0000000%	\$0	-	-				
15	Total		\$826,261,011						
16									
17	*TCRFs are updated semi-annually.	The revenue requ	irement in these upda	ites is the sum	of (i) one-half of the	9			
18	annual revenue requirement.								
19									
20									
21									

22	Calc	ulation of 4 CP Alloca	ators to be used in	Future TCRF F	<u>ilings</u>	
23	(a)	(b)	(C)	(d)	(e)	(f)
24			4 CP Class Allo	ocators Schedul	e II-H-1.3	
25	Rate Class	June	July	August	September	Allocator
26	Residential Service	10,604,321	12,242,893	11,811,515	12,050,483	45.88067225%
27	Secondary Service					
28	Less Than or Equal to 10 kW	312,996	330,716	326,156	335,732	1.28244083%
29	Greater Than 10 kW	8,138,709	8,479,980	8,584,122	8,753,101	33.35359266%
30	Primary Service					
31	Less Than or Equal to 10 kW	3,369	3,219	3,248	3,668	0.01326433%
32	Greater Than 10 kW	2,108,470	2,111,174	2,152,715	2,164,466	8.38539747%
33	Substation	706,630	660,051	698,350	730,931	2.74636637%
34	Transmission Service	2,151,579	2,069,336	2,123,270	2,144,659	8.33826609%
35	Lighting Service	Q	<u>0</u>	<u>0</u>	<u>0</u>	<u>0.0000000%</u>
36	Total	24,026,074	25,897,369	25,699,377	26,183,040	100.0000000%

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# SPONSOR: MATTHEW A. TROXLE

ENERGY	<b>EFFICIENCY</b>	COST	RECOVERY	FACTOR
		$\phi \phi \phi$		11101011

				Energy Efficier	ncy Cost	
Line	Rate Schedule	Billing Determinant	Туре	<b>Recovery Facto</b>	r (EECRF)	Revenue
	(a)	(b)	(c)	(d)		(e)
1	Residential	48,624,224,000	kWh	\$	0.001061	\$ 51,571,075
2	Secondary ≤ 10 kW	1,816,475,000	kWh	\$	0.000636	\$ 1,154,847
3	Secondary >10 kW	46,520,591,000	kWh	\$	0.000637	\$ 29,641,515
4	Primary ≤ 10 kW	15,692,000	kWh	\$	0.000193	\$ 3,022
5	Primary > 10 kW Dist. Line	12,255,464,000	kWh	\$	0.000061	\$ 753,406
6	Primary > 10 kW Substation	3,395,442,000	kWh	\$	0.000079	\$ 267,927
7	Transmission - Non Profit	1,123,862,000	kWh	\$	0.000017	\$ 18,725
8	Transmission - For Profit	17,970,656,000	kWh	\$	-	\$ -
9	Lighting	388,801,000	kWh	\$	-	\$ -
10						
11	Total					\$ 83,410,517

Source: Docket No. 52178 - Application of Oncor Electric Delivery LLC to Adjust Its Energy Efficiency Cost Recovery Factor (2022 EECRF) - Exhibit 1 to Stipulation and Settlement Agreement

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### SPONSOR: MATTHEW A. TROXLE

Nuclear Decommissioning Charge (NDC)

\$ 20,077,165

		Rate Class	Rate Class	Distribution	Rate Case E	xpense
Line	Rate Schedule	NDC Revenue	Allocation Factor <sup>1</sup>	Billing Units	Recovery F	actors
	(a)	$(b) = NDC^{*}(c)$	(C)	(d)	(e) = (b)	/ (d)
1	Residential	\$9,142,535	0.455370	46,057,336,770	\$0.000199	per kWh
2	Secondary ≤ 10 kW <sup>3</sup>	\$244,163	0.012161	1,879,492,852	\$0.000130	per kWh
3	Secondary >10 kW <sup>4</sup>	\$6,332,036	0.315385	139,637,587	\$0.045	per kW
4	Primary ≤ 10 kW <sup>5</sup>	\$3,618	0.000180	27,825,268	\$0.000130	per kWh
5	Primary > 10 kW Dist. Line <sup>6</sup>	\$1,678,871	0.083621	40,571,735	\$0.041	per kW
6	Primary > 10 kW Substation <sup>7</sup>	\$608,324	0.030299	12,442,329	\$0 049	per kW
7	Transmission <sup>8</sup>	\$2,006,004	0.099915	44,513,355	\$0.045	per kW
8	Lighting <sup>9</sup>	<u>\$61,614</u>	0.003069	379,980,295	\$0.000162	per kWh
9						
10	Total	\$20,077,165	1.000000			

### NUCLEAR DECOMMISSIONING CHARGE - RIDER NDC

\*Docket No. 50945 - Final Order, Ordering Paragraphs, Page 7, Item 1

<sup>1</sup>Schedule WP-IV-J-7, page 18, column (f)

<sup>2</sup> Schedule IV-J-7, page 3, column (b), line 2

<sup>3</sup> Schedule IV-J-7, page 4, column (b), line 2

<sup>4</sup> Schedule IV-J-7, page 5, column (b), line 3 + WP/IV-J-5, page 16, column (c) + column (d), line 16

<sup>5</sup> Schedule IV-J-7, page 6, column (b), line 2

<sup>6</sup> Schedule IV-J-7, page 7, column (b), line 3 + WP/IV-J-5, page 16, column (e) + column (f), line 16

<sup>7</sup> Schedule IV-J-7, page 8, column (b), line 3 + WP/IV-J-5, page 16, column (g), line 16

<sup>8</sup> Schedule IV-J-7, page 9, column (b), line 3 + WP/IV-J-5, page 16, column (h), line 16

<sup>9</sup> Schedule IV-J-7, page 10, column (b), line 2

#### SPONSOR: MATTHEW A. TROXLE

#### CALCULATION OF STANDARD ALLOWANCE FACTORS

LINE									
NO	(a)		(b)		(c)		(d)		(e)
1	Total Return on Investment	\$	683,000,510	Sched	11-1				
2	Total Depreciation Expense	\$	546,347,840	Sched	li-I				
3	Total Federal Income Tax	\$	82,404,686	Sched	11-1				
4	Total Taxes Other than FIT	\$	460,498,199	Sched	11-1				
5	Total	\$	1,772,251,235						
6									
7	Total Plant In Service	\$	17,037,413,208	Sched	10-1				
8									
9	Return Factor		10 4%	Line (	5) / Line (7)				
10				(	-/ (-/				
11				Pri	imary > 10 kW	Prie	narv > 10 kW		
12	DIST Function:	Seco	ndary > 10 kW	Dis	stribution Line	5	Substation	Tra	ansmission
40									
13	Total Distribution Blant Not	đ	2 100 000 002	¢	400 100 101	¢	41 534 060	¢	0 445 404
14	Lote Lond and Lond Dights Net	ф ф	3,100,099,293	¢.	460,100,121	¢	41,004,002	\$	9,445,431
10	Less. Land and Land Highls - Net	\$	4,523,794	э ¢	650,060	¢	31,023	2	12,272
10	Less. Structures and improvements - Net	\$	32,297,244	<b>P</b>	4,041,192	\$ \$	300,570	\$	87,615
17	Less: Station Equipment - Net	<u>&gt;</u>	439,309,011	<u>ə</u>	105,152,741	<u> </u>	30,019,050	<u>ə</u>	-
18	Net Plant pertaining to Allowance	\$	2,710,508,644	\$	369,684,108	\$	3,094,217	\$	9,345,543
19									
20									
21	Class Maximum Diversified Demand		12,741,621		3,281,336		993,214		3,523,827
22	Investment / Max Demand ( \$ / kW )	\$	212 73	\$	112 66	\$	3 12	\$	2.65
23				<b></b>				_	·
24	Standard Allowance Factor (\$ /kW) Rounded to	\$	213	\$	113	\$	3	\$	3
25									
26									
27					Wholesale	1	Wholesale		
28	DIST Function:			Distric	oution Line (DLS)	Subs	station (XFMR)		
29									
30	Total Distribution Plant - Net			\$	26,061,601	\$	4,978,117		
31	Less Land and Land Rights - Net			\$	35,288	\$	6,188		
32	Less: Structures and improvements - Net			\$	251,937	\$	44,175		
33	Less Station Equipment - Net			\$	5,706,897	\$	4,556,893		
34	Net Plant pertaining to Allowance			\$	20,067,479	\$	370,861		
35									
36									
37	Class Maximum Diversified Demand				180,568		111,820		
38	Investment / Max Demand ( \$ / kW )			\$	111 14	\$	3 32		
39									
40	Standard Allowance Factor (\$ /kW) Rounded to			\$	111	\$	3		

#### SPONSOR: MATTHEW A. TROXLE

Rate Case Expenses Recovery Worksheet - 1 Year Recovery Period

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Rate Case Expenses ("RCE")<sup>1</sup> = Years in Recovery Period ("RP") = 8,233,129

		Rate Class	Rate Class	Distribution	Annual Rate Class	Rate Case Expense
Line	Rate Schedule	Revenue <sup>2</sup>	Allocation Factor	Billing Units	Rate Case Exp.	<b>Recovery Factors</b>
	(a)	(b)	$(c) = [p] \setminus \Sigma[p]$	(d)	(e) = RCE/RP*(c)	(f) = (e) / (d)
1	Residential <sup>3</sup>	\$2,134,624,537	0.500631	46,057,336,770	\$4,121,760	\$0.000089 per kWh
2	Sec <= 10 kW <sup>4</sup>	\$87,969,567	0.020631	1,879,492,852	\$169,858	\$0.000090 per kWh
3	Sec > 10 kW <sup>5</sup>	\$1,450,398,196	0.340160	139,637,587	\$2,800,581	\$0.020056 per kW
4	Primary <= 10 kW <sup>6</sup>	\$1,618,237	0.000380	27,825,268	\$3,129	\$0.000112 per kWh
5	Primary > 10 kW Dist. Line <sup>7</sup>	\$295,692,842	0.069348	40,571,735	\$570,951	\$0.014073 per kW
6	Primary > 10 kW Substation <sup>8</sup>	\$59,626,758	0.013984	12,442,329	\$115,132	\$0.009253 per kW
7	Transmission <sup>9</sup>	\$164,313,264	0.038536	44,513,355	\$317,272	\$0.007128 per kW
8	Lighting <sup>10</sup>	\$61,287,007	0.014374	379,980,295	\$118,343	\$0.000311 per kWh
9	Wholesale Substation <sup>11</sup>	\$1,572,849	0.000369	1,579,356	\$3,038	\$0.001924 per kW
10	Wholesale DLS <sup>12</sup>	<u>\$6,765,131</u>	<u>0.001587</u>	1,821,139	<u>\$13,066</u>	\$0.007175 per kW
11		\$4,263,868,390	1.000000		\$8,233,129	

<sup>1</sup>Schedule II-E-4.5, page 1, line 30, column (k)

<sup>2</sup>Dollars associated with DIST, METR, CUST, TCRF

<sup>3</sup> Schedule IV-J-7, page 3, column (b), line 2

<sup>4</sup> Schedule IV-J-7, page 4, column (b), line 2

<sup>5</sup> Schedule IV-J-7, page 5, column (b), line 3 + WP/IV-J-5, page 16, column (c) + column (d), line 16

<sup>6</sup> Schedule IV-J-7, page 6, column (b), line 2

<sup>7</sup> Schedule IV-J-7, page 7, column (b), line 3 + WP/IV-J-5, page 16, column (e) + column (f), line 16

<sup>8</sup> Schedule IV-J-7, page 8, column (b), line 3 + WP/IV-J-5, page 16, column (g), line 16

<sup>9</sup> Schedule IV-J-7, page 9, column (b), line 3 + WP/IV-J-5, page 16, column (h), line 16

<sup>10</sup> Schedule IV-J-7, page 10, column (b), line 2

<sup>11</sup> Schedule IV-J-7, page 11, column (b), line 3

<sup>12</sup> Schedule IV-J-7, page 12, column (b), line 3

### SPONSOR: MATTHEW A. TROXLE

Baseline Values for Rider Distribution Cost Recovery Factor - Rider DCRF

.

		(a)	(b)	(c)	(d)	(e)
		DICRC	ROR <sub>AT</sub>	DEPR <sub>RC</sub>	FIT <sub>RC</sub>	OT <sub>RC</sub>
		Net Distribution				
Line		Invested	After -Tax	Depreciation	Federal	Other
No.	Rate Class	Capital	Rate of Return	Expense	Income Tax	Taxes
1	Residential Service	5,241,615,544	7.0500%	275,681,775	44,607,552	86,972,692
2	Secondary Service	, , , , ,			, ,	,
3	Less Than or Equal to 10 kW	208,450,634	7.0500%	15,458,489	1,697,878	4,009,681
4	Greater Than 10 kW	3,288,269,570	7.0500%	166,184,164	28,043,512	53,586,431
5	Primary Service					
6	Less Than or Equal to 10 kW	3,245,828	7.0500%	283,382	23,561	51,432
7	Greater Than 10 kW	528,596,714	7.0500%	27,058,766	4,474,665	8,252,129
8	Substation	50,095,907	7.0500%	1,851,105	431,374	724,300
9	Transmission Service	19,094,318	7.0500%	706,172	157,986	205,481
10	Lighting Service	53,759,615	7.0500%	25,190,772	457,457	4,770,076
11	Wholesale Substation	5,979,901	7.0500%	221,130	51,356	86,632
12	Wholesale Distribution Line Service	26,430,198	7.0500%	1,251,706	227,295	415,621
13	Total	9,425,538,229	-	513,887,461	80,172,635	159,074,476
14		(f)=(a*b)+(c)+(d)	(g)	(h)=(g)/Σ(g)	(i)	(i)
15		+(e)	10/			0,
16						
17		DISTREV RC-CLASS	TNETDISPLT	ALLOC <sub>CLASS</sub>	BD <sub>RC-CLASS</sub>	
18				Distribution		
19		Distribution	Net Distribution	Plant Class	Class Billing	Billing
20	Rate Class	Revenue	Plant	Allocation	Determinants	Units
21	Residential Service	776.795.915	5.679.729.893	55.6638%	46,057,336,770	kWh
22	Secondary Service	,	-,,,		, , , ,	
23	Less Than or Equal to 10 kW	35,861,817	226,893,771	2.2237%	1,879,492,852	kWh
24	Greater Than 10 kW	479,637,111	3,542,616,556	34.7192%	137,483,669	kW
25	Primary Service					
26	Less Than or Equal to 10 kW	587,205	3,331,596	0.0327%	27,825,268	kWh
27	Greater Than 10 kW	77,051,628	563,885,725	5.5263%	39,469,464	kW
28	Substation	6,538,541	53,048,350	0.5199%	12,307,905	kW
29	Transmission Service	2,415,788	13,025,563	0.1277%	43,125,273	kW
30	Lighting Service	34,208,358	86,108,497	0.8439%	379,980,295	kWh
31	Wholesale Substation	780,701	6,351,471	0.0622%	1,579,356	kW
32	Wholesale Distribution Line Service	3,757,952	28,631,207	0.2806%	1,821,139	kW
	Total	1,417,635,017	10,203,622,630	100.0000%		

See WP II-I-1.9

SCHEDULE IV-J-8 PAGE 1 OF 1

### PUC DOCKET NO. ONCOR ELECTRIC DELIVERY COMPANY LLC RATE DESIGN ANALYSIS DATA FOR TEST YEAR ENDING DECEMBER 31, 2021

### SPONSOR: D. E. NELSON

This schedule is not applicable as Oncor Electric Delivery does not have tariffs defined for on-peak or off-peak periods.

Rate C	lass =				
Voltage	e Level =				
		(a)	(b)	(c)	(d)
Line		OFF PE	ΞΑΚ	ON PEA	λK
<u>No.</u>	<u>Month</u>	<u> </u>	KWH	KW	KWH
1	Jan				
2	Feb				
3	Mar				
4	Apr				
5	May				
6	Jun				
7	Jul				
8	Aug				
9	Sep				
10	Oct				
11	Nov				
12	Dec				

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Schedule V-K-1 Page 1 of 1

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-1 AFFILIATE EXPENSES BY FERC ACCOUNT FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

Line No.Class of ItemsSub-ClassAccountDescription(a)(b)(c)(d)1TAX SERVICES(d)2Consulting-Uncertain tax positions9230000Outside Services Emp3Annual Tax Return Review9230000Outside Services Emp4Annual Corptax Access9230000Outside Services Emp5Total Sempra Energy	n Total
(a)    (b)    (c)    (d)      1    TAX SERVICES    Image: Consulting-Uncertain tax positions    9230000    Outside Services Emp      2    Annual Tax Return Review    9230000    Outside Services Emp      3    Annual Tax Return Review    9230000    Outside Services Emp      4    Annual Corptax Access    9230000    Outside Services Emp      5    Total Sempra Energy    Image: Consulting-Uncertain tax positions    9230000    Outside Services Emp      6    SOFTWARE & DATA SUPPORT    Image: Consulting-Uncertain tax positions    9210000    Office Supplies and Ex      7    Image: Consulting-Uncertain tax recenses Group Inc    9210000    Office Supplies and Ex      8    Image: Consulting Uncertain Tax Technologies LLC    9230000    Outside Services Emp      9    Total Ultimate Kronos Group Inc    Image: Construction Work in F    Image: Construction Work in F      10    Veritas Technologies LLC    9230000    Outside Services Emp      11    Image: Construction Work in F    Image: Construction Work in F      12    Total Veritas Technologies LLC    Image: Construction Work in F      13    TARIFFED SERVICES    Image: Constructin Wo	
1    TAX SERVICES	(e)
2    Consulting-Uncertain tax positions    9230000    Outside Services Emp      3    Annual Tax Return Review    9230000    Outside Services Emp      4    Annual Corptax Access    9230000    Outside Services Emp      5    Total Sempra Energy	
3    Annual Tax Return Review    9230000    Outside Services Emp      4    Annual Corptax Access    9230000    Outside Services Emp      5    Total Sempra Energy	oyed 27,000
4    Annual Corptax Access    9230000    Outside Services Emp      5    Total Sempra Energy	oyed 67,250
5    Total Sempra Energy	oyed 25,750
6    SOFTWARE & DATA SUPPORT    Image: constraint of the second se	120,000
7    Ultimate Kronos Group Inc    9210000    Office Supplies and Explicitly      8    9230000    Outside Services Emplies      9    Total Ultimate Kronos Group Inc    9230000    Outside Services Emplies      10    Veritas Technologies LLC    9230000    Outside Services Emplies      11    1070000    Construction Work in F      12    Total Veritas Technologies LLC    1070000      13    TARIFFED SERVICES    1070000      14    Sharyland NTS    5650000      15    Total Sharyland Utilities, L.L.C.    100000      16    Oncor NTU NTS    5650000      17    Oncor NTU WDSS    1824300      18    Total Oncor Electric Delivery Co. NTU LLC    100000	
8    9230000    Outside Services Emp      9    Total Ultimate Kronos Group Inc    9230000    Outside Services Emp      10    Veritas Technologies LLC    9230000    Outside Services Emp      11    1070000    Construction Work in F      12    Total Veritas Technologies LLC    1070000    Construction Work in F      13    TARIFFED SERVICES    1070000    Trans Exp - Electricity      14    Sharyland NTS    5650000    Trans Exp - Electricity      15    Total Sharyland Utilities, L.L.C.    100000    Trans Exp - Electricity      16    Oncor NTU NTS    5650000    Trans Exp - Electricity      17    Oncor NTU WDSS    1824300    Reg Asset - WDSS      18    Total Oncor Electric Delivery Co. NTU LLC    100000    100000	penses 34
9    Total Ultimate Kronos Group Inc    9230000    Outside Services Emp      10    Veritas Technologies LLC    9230000    Outside Services Emp      11    1070000    Construction Work in F      12    Total Veritas Technologies LLC    1070000    Construction Work in F      13    TARIFFED SERVICES	oyed 2,896,938
10    Veritas Technologies LLC    9230000    Outside Services Emp      11    1070000    Construction Work in F      12    Total Veritas Technologies LLC    1070000      13    TARIFFED SERVICES    1070000      14    Sharyland NTS    5650000      15    Total Sharyland Utilities, L.L.C.    10000      16    Oncor NTU NTS    5650000      17    Oncor NTU WDSS    1824300      18    Total Oncor Electric Delivery Co. NTU LLC    10000	2,896,972
11    1070000    Construction Work in F      12    Total Veritas Technologies LLC	oyed 693,846
12    Total Veritas Technologies LLC    Image: constraint of the system      13    TARIFFED SERVICES    Image: constraint of the system      14    Sharyland NTS    5650000      15    Total Sharyland Utilities, L.L.C.    Image: constraint of the system      16    Oncor NTU NTS    5650000      17    Oncor NTU WDSS    1824300      18    Total Oncor Electric Delivery Co. NTU LLC    Image: constraint of the system	rogress 45,700
13  TARIFFED SERVICES    14  Sharyland NTS    15  Total Sharyland Utilities, L.L.C.    16  Oncor NTU NTS    17  Oncor NTU WDSS    18  Total Oncor Electric Delivery Co. NTU LLC	739,546
14  Sharyland NTS  5650000  Trans Exp - Electricity    15  Total Sharyland Utilities, L.L.C.  0ncor NTU NTS  5650000  Trans Exp - Electricity    16  Oncor NTU NTS  5650000  Trans Exp - Electricity    17  Oncor NTU WDSS  1824300  Reg Asset - WDSS    18  Total Oncor Electric Delivery Co. NTU LLC	
Total Sharyland Utilities, L.L.C.  Oncor NTU NTS  5650000  Trans Exp - Electricity    16  Oncor NTU WDSS  1824300  Reg Asset - WDSS    18  Total Oncor Electric Delivery Co. NTU LLC  Image: Content of the second	oy Others 9,498,427
16  Oncor NTU NTS  5650000  Trans Exp - Electricity    17  Oncor NTU WDSS  1824300  Reg Asset - WDSS    18  Total Oncor Electric Delivery Co. NTU LLC  Image: Construction of the second seco	9,498,427
17  Oncor NTU WDSS  1824300  Reg Asset - WDSS    18  Total Oncor Electric Delivery Co. NTU LLC	oy Others 80,434,328
18 Total Oncor Electric Delivery Co. NTU LLC	20,879,874
	101,314,202
19 CONTRIBUTIONS	
20 Oncor Cares Foundation 9210000 Office Supplies and Ex	penses 37
21 9302000 Misc. General Expense	26,503
22 9302000 Misc. General Exp. (cc	ntribution) 250,000
23 Total Oncor Cares Foundation	276,540
24	
25 Total Affiliate Expenses	114,845,687

### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-2 ADJUSTED AFFILIATE EXPENSES BY FERC ACCOUNT FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

Line No.	Class of Items	Sub-Class	FERC Account	FERC Account Description	Total	Pro-forma Adjustments	Adjusted Historic Vear
	(a)	(b)	(c)	(d)	(e)	(f)	(q)
1	TAX SERVICES				<u>`</u>		
2		Consulting-Uncertain tax positions	9230000	Outside Services Employed	27,000	-	27,000
3		Annual Tax Return Review	9230000	Outside Services Employed	67,250	(4,250)	63,000
4		Annual Corptax Access	9230000	Outside Services Employed	25,750	-	25,750
5	Total Sempra Energy				120,000	(4,250)	115,750
6	SOFTWARE & DATA SUPPORT						
7		Ultimate Kronos Group Inc	9210000	Office Supplies and Expenses	34	-	34
8			9230000	Outside Services Employed	2,896,938	(382,923)	2,514,015
9	Total Ultimate Kronos Group Inc				2,896,972	(382,923)	2,514,049
10		Veritas Technologies LLC	9230000	Outside Services Employed	693,846	22,139	715,985
11			1070000	Construction Work in Progress	45,700	-	45,700
12	Total Veritas Technologies LLC				739,546	22,139	761,685
13	TARIFFED SERVICES						-
14		Sharyland NTS	5650000	Trans Exp - Electricity by Others	9,498,427	5,119,968	14,618,395
15	Total Sharyland Utilities, L.L.C.				9,498,427	5,119,968	14,618,395
16		Oncor NTU NTS	5650000	Trans Exp - Electricity by Others	80,434,328	(18,507,479)	61,926,849
17		Oncor NTU WDSS	1824300	Reg Asset - WDSS	20,879,874	(7,584,188)	13,295,686
18	Total Oncor Electric Delivery Co. NTU LLC				101,314,202	(26,091,667)	75,222,535
19	CONTRIBUTIONS						
20		Oncor Cares Foundation	9210000	Office Supplies and Expenses	37	-	37
21			9302000	Misc. General Expense	26,503	-	26,503
22			9302000	Misc. General Exp. (contribution)	250,000	-	250,000
23	Total Oncor Cares Foundation				276,540	-	276,540
24							
25	Total Affiliate Expenses				114,845,687	(21,336,733)	93,508,954

Note:

<sup>(1)</sup> Wholesale Distribution Substation Service (WDSS) charges from Oncor NTU were recorded as a Regulatory Asset (FERC account 1824300), pending approval in this case, WDSS provided by Oncor NTU to Oncor will be reflected in Oncor's base rates and will be expensed in FERC account 5880000.

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-3 ORGANIZATION CHART FOR THE TEST YEAR ENDED DECEMBER 31, 2021 SPONSOR: M. G. GRABLE



\* Oncor Cares Foundation (DE) is a nonstock corporation formed for charitable, scientific, and educational purposes under Section 501(c)(3) of the U.S. Internal Revenue Code; Oncor Electric Delivery Company LLC is the sole member of the Oncor Cares Foundation.

Note: Oncor Electric Delivery Company LLC owns 32% of 926 Pulliam Street, LLC [TX]; the entity is not included in the chart above.

Schedule V-K-4 Page 1 of 1

### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-4 DESCRIPTION OF SERVICES FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSOR: M. G. GRABLE

Affiliate	Class of Items	Description of Services
TAX SERVICES		
Sempra Energy	Tax Services - Consulting-Uncertain Tax Positions	Sempra provides assistance to Oncor with its quarterly updates on uncertain tax positions based on Accounting Standards Codification (ASC) 740, "Income Taxes" for calendar quarters ending each March 31, June 30, September 30, and December 31.
	Tax Services - Annual Tax Return Review	Services include review of the annual Federal Tax Returns of Oncor and all affiliates within the Oncor ring fence.
	Tax Services - Annual CorpTax Access	Provision of Sempra's license and access to CorpTax software for Oncor's use in preparing, printing, and data storage for the annual Federal Income Tax Returns.
SOFTWARE & DATA	SUPPORT	
Ultimate Kronos Group Inc	Software and Data Support	Services include ongoing payroll administration and other human resource services by Ultimate. The Ultimate system (Ultipro) includes full responsibility and accountability for payroll-related tax calculations, payment and filing, all wage garnishment disbursement services, and all benefit calculations and payments.
Veritas Technologies LLC	Software and Data Support	Services include enterprise data protection, data storage, data back-up, and disaster recovery.
TARIFFED SERVICE	S	
Sharyland Utilities, L.L.C.	Tariffed Services - Network Transmission Service (NTS)	Services include tariffed network transmission service rated at 60 kV and above.
Oncor Electric Delivery Co. NTU LLC	Tariffed Services - Network Transmission Service (NTS)	Services include tariffed network transmission service rated at 60 kV and above.
	Tariffed Services - Wholesale Distribution Substation Service (WDSS)	All transformation service supplied in connection with the delivery of electric power and energy to a Point of Interconnection, measured through one meter provided through tariffed wholesale distribution substation service.
CONTRIBUTIONS		

Contraine	
Oncor Cares Foundation Contributions	Oncor Cares Foundation was formed to make grants for charitable purposes and to
	direct resources in furtherance of such purposes.

### Schedule V-K-5 Page 1 of 1

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-5 CAPITAL PROJECTS FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

Line No.	Project ID	Project Description	Caj	Total pitalized	Closed to Plant-in-Service
_	(a)	(b)		(c)	(d)
1	IGCS2100	TMS Replacement - Phase II (Veritas)	\$	45,700	February 2022
2					
3		Total	\$	45,700	

# NOTE:

Except for the portion of the TMS replacement performed by Veritas Technologies LLC, Oncor Electric Delivery Company LLC's (Oncor) affiliates did not perform any specific capital projects on behalf of Oncor during the test year ended December 31, 2021. Schedules V-K-1 and V-K-2 of this rate filing package provide all charges, by FERC account, from affiliates to Oncor.

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-6 ADJUSTMENTS TO TEST YEAR EXPENSES FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

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				Total
Line No.	. Description	Purpose	<u> </u>	djustment
	(a)	(b)		(C)
1	Sempra Energy			
2	Credit for over-accrual in 2021	Eliminate the impact of the 2021 over-accrual for tax	\$	(4,250)
3		services		
4				
5	Ultimate Kronos Group Inc			
6	Remove 2022 expenses paid in 2021	Remove Jan-Feb 2022 services paid in 2021		(382,923)
7				
8	Veritas Technologies LLC			
9	Software maintenance annual increase	Add of annual software maintenance price increase		22,139
10				
11	Sharyland Utilities, L.L.C.			
12	Tariff rate change and four coincident peak	Restate 2021 with full year impact of NTS tariff rate		5,119,968
13	("4CP") load change	change and 4CP load change		
14				
15	Oncor Electric Delivery Co. NTU LLC			
16	Tariff rate change and 4CP load change	Restate 2021 with full year impact of NTS tariff rate		(18,507,479)
17		change and 4CP load change		
18	Tariff rate change	Restate 2021 with full year impact of WDSS tariff rate		(7,584,188)
19		change		
20			\$	(21,336,733)

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-7 STATUTORY REQUIREMENTS FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSOR: M. G. GRABLE

The following entities were affiliated with Oncor Electric Delivery Company LLC ("Oncor" or "Company") during the test year ended December 31, 2021 ("Test Year") and provided services to or received contributions from the Company: Sempra Energy ("Sempra"); Ultimate Kronos Group Inc. ("Ultimate"); Veritas Technologies LLC ("Veritas"); Sharyland Utilities, L.L.C. ("Sharyland"); Oncor Electric Delivery Company NTU LLC ("Oncor NTU"); and Oncor Cares Foundation ("Foundation"). The discussion below describes Oncor's compliance with the statutory requirements for affiliate transactions.

# SERVICES PROVIDED AND BILLING PROCESS

As stated above, Oncor received services from or made contributions to affiliated entities Sempra, Ultimate, Veritas, Sharyland, Oncor NTU, and the Foundation during the Test Year. Oncor's Test Year affiliate expenses are presented by item or class of item as required by the Public Utility Commission of Texas' ("Commission") Transmission & Distribution (TDU) Investor-Owned Utilities Rate Filing Package for Cost-of-Service Determination. Please see Schedules V-K-1, V-K-2, and V-K-12 of Oncor's rate filing package ("RFP") and Mr. Grable's direct testimony for amounts billed from affiliates to Oncor by item or class of item. Oncor has defined and utilized four classes of items. These classes of items have been broken down into nine sub-classes of items to facilitate a more precise billing for these services. Each sub-class is defined in Schedule V-K-4 of Oncor's RFP. The billing process for each of these sub-classes is presented in Schedule V-K-9 of this RFP. The billing methodology for each of these classes is presented in Schedule V-K-11 of this RFP. The amount billed to Oncor for each class of items is presented in Schedule V-K-12 of this RFP.

Section 36.058 of the Public Utility Regulatory Act<sup>1</sup> sets forth the standard to be applied by the Commission in evaluating affiliate transactions in rate proceedings. In summary, PURA § 36.058 requires that each item or class of items charged by an affiliate be found to be reasonable and necessary and not higher than

<sup>&</sup>lt;sup>1</sup> Public Utility Regulatory Act, Tex. Util. Code Ann. §§ 11.001-66.016 ("PURA").

prices charged to a third party or other affiliate for the same item or class of items. Additionally, PURA § 36.058(f) provides that if the regulatory authority finds that an affiliate expense for the test period is unreasonable, the regulatory authority shall determine the reasonable level of the expense and include that expense in determining the electric utility's cost of service.

# **"REASONABLENESS" CLAUSE OF THE AFFILIATE STANDARD**

Schedule V-K-10 of this RFP details the cost controls that were in place to assure the reasonableness of the costs of the affiliate services provided by Sempra, Ultimate, Veritas, Sharyland, Oncor NTU, and the Foundation. These cost controls include—to the extent applicable for each such affiliate—the budget process, arm's-length negotiations, periodic variance analysis, contracts, agreements, Statements of Work, Commission-approved tariffs, and Oncor Senior Leadership approval.

# **"NECESSARY" CLAUSE OF THE AFFILIATE STANDARD**

The services provided by Sempra, Ultimate, Veritas, Sharyland, Oncor NTU and the Foundation are the types of services that would be required of and/or are appropriate for any transmission and distribution utility in Texas and are therefore necessary. Oncor reviews the associated Service Agreements, Statements of Work, contracts, tariffs, and contributions on, at least, an annual basis to ensure that the services contained within each are necessary to meet desired/required business objectives. Each of the services provided is described in Schedule V-K-4 of this RFP.

# **"NO-HIGHER-THAN" CLAUSE OF THE AFFILIATE STANDARD**

Because Sempra does not bill any other entities for the same specific, limited set of tax services for which it bills Oncor without also billing the other entities for additional, more comprehensive tax services, the amounts charged by Sempra to Oncor for these tax services are unique. Sempra has confirmed, however, that the amounts charged to Oncor are no higher than the prices charged to other subsidiaries, divisions, or to other unaffiliated companies for similar items or classes of items.

The amounts billed to Oncor by Ultimate and Veritas were based on arm'slength negotiated contracts, thereby reflecting a market rate for these services. The transactions with Ultimate and Veritas were entered into before Oncor knew of the affiliate relationship with these entities. Given that Oncor was not aware of an affiliate relationship at the time it entered into such transactions, there is no risk that the transactions would have occurred on any different terms than transactions with unaffiliated third parties. For the reasons explained in Mr. Grable's direct testimony, however, Oncor has no visibility into the amounts that Ultimate and Veritas charge to third parties.

Network Transmission Service provided to Oncor by Sharyland and Oncor NTU and Wholesale Distribution Substation Service provided to Oncor by Oncor NTU are necessary for the ongoing operations of Oncor. The amounts billed to Oncor by these two entities were based on tariffs previously approved by the Commission; thus, Oncor paid the same rates that all other distribution utilities would pay for these services.

As discussed in Mr. Grable's direct testimony, the amount Oncor contributes to the Foundation is determined by Oncor's Senior Leadership Team and is a component of Oncor's total contributions. Therefore, it is a component of Oncor's total contributions subject to the three-tenths of 1.0% (0.3%) of the utility's gross receipts limitation as expressed in 16 Tex. Admin. Code § 25.231(b)(1)(E).

# **SUMMARY**

After known and measurable adjustments are made, the affiliate charges billed to Oncor by Sempra, Ultimate, Veritas, Sharyland, and Oncor NTU, and the amounts contributed by Oncor to the Foundation during the Test Year - both in total and for each class of items - are reasonable and necessary, reasonably reflect the actual cost of services to Oncor, and should be included in Oncor's cost of service.

#### Schedule V-K-8 Page 1 of 1

#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-8 SERVICES PROVIDED TO AFFILIATES FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

	FERC		Affiliate Company			Amount	
Line No.	Account	FERC Account Description	Receiving Service	Description of Service	F	Per Book	
	(a)	(b)	(c) (d)			(e)	
1		Operations and Metering Services					
2	4569000	Other Revenue-Other	Sharyland Utilities	Operations services (monitoring, controlling, etc.)	\$	229,346	
3	4569000	Other Revenue-Other	Sharyland Utilities	DC Tie operations	\$	202,037	
4	4569000	Other Revenue-Other	Sharyland Utilities	ERCOT-Polled Settlement (EPS) metering services	\$	9,895	
5	4569000	Other Revenue-Other	Sharyland Utilities	Wholesale metering service	\$	119	
6	4569000	Other Revenue-Other	Sharyland Utilities	Corporate Support Service loading rate	\$	116,529	
7	4569000	Other Revenue-Other	Sharyland Utilities	Carrying costs	\$	5,189	
8	4549000	Rent-Elec Prop-Other	Sharyland Utilities	Total Cost of Ownership (TCO)	\$	49,531	
9	2539000	Other Deferred Credit	Sharyland Utilities	Gross Margin Tax	\$	3,216	
10	2412700	State-Other-Accrual	Sharyland Utilities	Sales tax		10,972	
11			Total Sharyland Utilities			626,834	
12		Transmission System Opera	tion, Maintenance and Meter	ring Support and O & M Services			
13	4569000	Other Revenue-Other	Oncor NTU	Operations services (monitoring, controlling, etc.)		1,543,681	(1)
14	4569000	Other Revenue-Other	Oncor NTU	Wholesale metering service		1,347	
15	4569000	Other Revenue-Other	Oncor NTU	Corporate Support Service loading rate		380,962	
16	4549000	Rent-Elect Prop-Other	Oncor NTU	Total Cost of Ownership (TCO)		407,363	
17	4569000	Other Revenue-Other	Oncor NTU	Sales tax		45,449	
18	4569000	Other Revenue-Other	Oncor NTU	Direct-billed O&M svcs (veg. mgmt , circuit maint etc.)		7,312,175	
19		Interest on Debt					
20	4190200	Interest Inc-Assoc Cos	Oncor NTU	Interest on long-term note payable		39,891,860	
21		Capital Projects					
22	1010###	Plant in Service (Various)	Oncor NTU	Capital projects (see Oncor RFP Schedule V-K-8.1)		646,528	
23			Total Oncor NTU			50,229,365	
24		To, From & Over (TFO)					
25	4569000	Other Revenue-Other	Sempra Gas & Power Mktg	Whis trans svc provided under the TFO Tariff		13,297	
26		Transmission Service					
27	4569000	Other Revenue-Other	Sempra Gas & Power Mktg	Export svcs billed under the NTU Tariff for Trans Svc		2,810	
28			<b>Total Sempra Gas &amp; Power</b>	Marketing		16,107	
29		Miscellaneous Services					
30	1070000	Capital Work in Process	YESI Communities LLC	Convert overhead poles to underground		37,172	
31	2412460	Gross Receipts - CIAC	YESI Communities LLC	Convert overhead poles to underground		1,487	
32			<b>Total YES! Communities LL</b>	.C		38,659	
33							
34		TOTAL AFFILIATE COSTS B	ILLED		\$	50,910,965	

Note:

<sup>(1)</sup> A Known and Measurable adjustment correcting a booking error in 2021 was made and is incorporated in Schedule II-E-5.

### Schedule V-K-8.1 Page 1 of 1

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-8.1 ONCOR NTU CAPITAL PROJECTS FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

				Total	Closed to
Line No.	Project ID	Project Title	Ca	pitalized	Plant-in-Service
_	(a)	(b)		(c)	(d)
1	OPT44827	Alibates Station Replacement	\$	9,064	5/5/2021
2	OPT45599	Vealmoore Switch		172,592	7/1/2021
3	OPT45619	Bulldog - Coyote 138 kV		130,494	9/14/2021
4	OPT46104	Windmill Station		15,489	9/22/2021
5	OPT46121	Driver 138 - 25 kV		93,439	10/1/2021
6	OPT45710	Salt Mine 138 - 25 kV		31,103	10/15/2021
7	OPT43682	Salt Mine 138 - 25 kV		30,985	11/8/2021
8	OPT46376	Ringo 138 - 25 kV		46,563	12/13/2021
9	OPT46630	Salt Mine 138 - 25 kV		116,799	12/14/2021
10					
11		Total	\$	646,528	

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC ALLOCATION OF AFFILIATE COSTS FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

Oncor Electric Delivery Company LLC received services from or made contributions to the following affiliated entities during the test year ended December 31, 2021 ("Test Year"): Sempra Energy ("Sempra"), Ultimate Kronos Group Inc. ("Ultimate"), Veritas Technologies LLC ("Veritas"), Sharyland Utilities, L.L.C. ("Sharyland"), Oncor Electric Delivery Company NTU LLC ("Oncor NTU"), and Oncor Cares Foundation ("Foundation").

Oncor's affiliate expenses incurred during the Test Year are presented by item or class of item as required by the Public Utility Commission of Texas' ("Commission") Transmission & Distribution (TDU) Investor-Owned Utilities Rate Filing Package for Cost-of-Service Determination. These services are described in Schedule V-K-4 of this rate filing package ("RFP"). Oncor has defined and utilized four classes of items. Oncor's affiliate expenses are presented in Schedule V-K-1 by FERC account, grouped and subtotaled by class of items for the Test Year. The billing methodologies for these services are presented in Schedule V-K-11 of this RFP. The amounts billed by these entities to Oncor are presented in Schedule V-K-12 of this RFP. The amounts billed to Oncor by affiliates have been adjusted for known and measurable changes as discussed in Mr. Grable's direct testimony and presented in Schedules V-K-2 and V-K-6 of the RFP.

# SEMPRA ENERGY

During the Test Year, Sempra provided federal income tax-related services to Oncor based on a Services Agreement and three associated Statements of Work entitled Taxes – Consulting Related to Uncertain Tax Positions; Taxes – Annual Tax Return Review; and Taxes – Annual CorpTax Access. A copy of that Service Agreement and the three associated Statements of Work are provided in Mr. Grable's workpapers. The costs billed to Oncor by Sempra for these tax services are based on an evaluation of dedicated resources, time, and effort spent by Sempra tax personnel on behalf of Oncor.

# **ULTIMATE KRONOS GROUP INC.**

During the Test Year, Ultimate provided human resources software support to administer certain payroll administration services for Oncor. Ultimate charged Oncor in accordance with the terms in a master agreement between the parties, which was negotiated at arm's length. Please see the direct testimonies of Company witnesses Mr. Joel S. Austin and Mr. Matthew D. Smith for a further description of Oncor's selection of Ultimate as a vendor and the governance of Oncor's contractual relationship with Ultimate.

# VERITAS TECHNOLOGIES LLC

During the Test Year, Veritas provided data storage, data back-up, disaster recovery, and related services to Oncor. The services billed by Veritas to Oncor are based on a master license agreement and related addenda and statements of work, all of which were negotiated at arm's length. Please see the direct testimony of Company witness Ms. Malia A. Hodges for a further description of Oncor's selection and governance of Oncor's contractual relationship with Veritas.

Note: The transactions with Ultimate and Veritas were entered into before Oncor knew of the affiliate relationship with these entities. Given that Oncor was not aware of an affiliate relationship at the time it entered into such transactions, there is no risk that the transactions would have occurred on any different terms than transactions with unaffiliated parties. Please see Mr. Grable's direct testimony for a discussion of the limited waivers to Oncor's Code of Conduct granted by the Commission in Docket No. 50893.

# SHARYLAND UTILITIES, L.L.C.

During the Test Year, Sharyland provided Network Transmission Service ("NTS") to Oncor under Sharyland's Wholesale Transmission Service ("WTS") tariff. Sharyland charged Oncor the rates stated in Sharyland's WTS tariff as approved by the Commission. Oncor paid the same rates that all other distribution utilities would pay for this tariffed service.

# ONCOR ELECTRIC DELIVERY COMPANY NTU LLC

During the Test Year, Oncor NTU provided NTS and Wholesale Distribution Substation Service ("WDSS") to Oncor under Oncor NTU's WTS and WDSS tariffs, respectively. As stated above for Sharyland, Oncor NTU charged Oncor the rates stated in Oncor NTU's WTS and WDSS tariffs as approved by this Commission. Oncor paid the same rates that all other distribution utilities would pay for those tariffed services.

# **ONCOR CARES FOUNDATION**

During the Test Year, Oncor contributed \$276,540 to (a portion of which involved payment of expenses on behalf of) the Foundation, a non-profit corporation formed in June 2020 to make grants for charitable purposes and to direct resources in furtherance of such purposes. Each year, Oncor's Senior Leadership Team determines the level of contributions to be made to the Foundation for charitable purposes. The amounts contributed by Oncor are discretionary and, therefore, independent of any other party making contributions to the Foundation. The amount Oncor contributes to the Foundation is a component of Oncor's total contributions and is, therefore, a component of Oncor's total contributions as expressed in 16 Tex. Admin. Code § 25.231.

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC CONTROLS FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

The following entities were affiliated with Oncor Electric Delivery Company LLC ("Oncor" or "Company") during the test year ended December 31, 2021 ("Test Year"), and provided services to or received contributions from the Company: Sempra Energy ("Sempra"), Ultimate Kronos Group Inc. ("Ultimate"), Veritas Technologies LLC ("Veritas"), Sharyland Utilities, L.L.C. ("Sharyland"), Oncor Electric Delivery Company NTU LLC ("Oncor NTU"), and Oncor Cares Foundation ("Foundation"). The discussion below describes the controls that were in place when an affiliate relationship existed during the Test Year.

# SEMPRA ENERGY

Sempra employs various means to ensure appropriate billing of the tax services it provides to Oncor. As part of the annual budget process, Sempra reviews the Statements of Work ("SOWs") with Oncor for tax services to ensure the fees continue to be comparable to or below fees from outside tax service providers. Sempra also compares the total fees charged under the SOWs against estimated time spent by Sempra's tax department in providing tax services to Oncor to ensure the tax fees under the SOWs are appropriate. Also, as part of the tax budget process, Sempra reviews tax costs related to systems, including Corptax, to ensure Sempra and its affiliates are being charged an appropriate amount under the contract. A portion of the total Corptax fee is then charged to Oncor based on an estimate of total usage.

# **ULTIMATE KRONOS GROUP INC.**

The master agreement for human resources software support between Oncor and Ultimate was negotiated at arm's length. Oncor regularly reviews the charges from Ultimate to ensure that the billings from Ultimate are compliant with the terms and conditions of this master agreement. Please see the direct testimonies of Company witnesses Messrs. Joel S. Austin and Matthew D. Smith for a discussion of the process used by Oncor to select and administer the contract with Ultimate as Oncor's provider for these services.

# VERITAS TECHNOLOGIES LLC

The charges for data storage, data back-up, disaster recovery, and related services billed by Veritas to Oncor are based on a master license agreement and related addenda and statements of work, all of which were negotiated at arm's length. Oncor regularly reviews the charges from Veritas to ensure that the billings from Veritas are in compliance with the terms and conditions of this master agreement and related addenda and statements of work. Please see the direct testimony of Company witness Ms. Malia A. Hodges for a discussion of the contractual relationship with Veritas and of the cost controls in place.

# SHARYLAND UTILITIES, L.L.C.

During the Test Year, Sharyland provided Network Transmission Service ("NTS") to Oncor under Sharyland's Wholesale Transmission Service ("WTS") tariff. Sharyland charged Oncor the rates stated in Sharyland's WTS tariff as approved by the Public Utility Commission of Texas ("Commission"). Oncor paid the same rates that all other distribution utilities would pay for this tariffed service.

# **ONCOR ELECTRIC DELIVERY COMPANY NTU LLC**

During the Test Year, Oncor NTU provided NTS and Wholesale Distribution Substation Service ("WDSS") to Oncor under NTU's WTS and WDSS tariffs. As discussed above for Sharyland, Oncor NTU charged Oncor the rates stated in Oncor NTU's WTS and WDSS tariffs as approved by the Commission. Oncor paid the same rates that all other distribution utilities would pay for those tariffed services.

# **ONCOR CARES FOUNDATION**

During the Test Year, Oncor contributed \$276,540 to (a portion of which involved payment of expenses on behalf of) the Foundation, a non-profit corporation formed in June 2020 to make grants for charitable purposes and to direct resources in furtherance of such purposes. Each year, Oncor's Senior Leadership Team determines the level of contributions to be made to the Foundation for charitable purposes. The amounts contributed by Oncor are discretionary and, therefore, independent of any other party making contributions to the Foundation. The amount Oncor contributes to the Foundation is a component of Oncor's total contributions and is, therefore, a component of Oncor's total contributions and is, therefore, a component of Oncor's receipts limitation for contributions as expressed in 16 Tex. Admin. Code § 25.231.

#### Schedule V-K-11 Page 1 of 1

#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-11 DESCRIPTION OF AFFILIATE BILLING METHODS FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSOR: M. G. GRABLE

		Billing Metric	
		Update	Billing Methodology
Class of Items	Billing Methodology	Frequency	Update Frequency
Tax Services - Consulting-Uncertain Tax Positions - Sempra	Assignment of costs based on an evaluation of the time and effort spent by Sempra Tax personnel on behalf of Oncor. Time and effort spent is a reasonable approach for assigning costs to Oncor.	Annually	Annually
Tax Services - Annual Tax Return Review - Sempra	Assignment of costs based on an evaluation of the time and effort spent by Sempra Tax personnel on behalf of Oncor. Time and effort spent is a reasonable approach for assigning costs to Oncor	Annually	Annually
Tax Services - Annual CorpTax Access - Sempra	Assignment of costs based on the number of entities, users, and archival services specific to Oncor. This methodology is a reasonable approach for assigning costs to Oncor.	Annually	Annually
Human Resources Software Support - Ultimate Kronos Group Inc.	Direct billing based on costs and fees contained in the negotiated contract and additional Statements of Work.	Annually	Annually
Data Storage and Back-up - Veritas Technologies LLC	Direct billing based on costs and fees contained in the negotiated contract, contract addenda, and additional Statements of Work.	Annually	Annually
NTS Tariff - Sharyland Utilities	Monthly charges are based on an access charge multiplied by the customer's preceding calendar year average 4CP load. The access charge is, as approved, in the most recent revision of the Wholesale Transmission Service Tariff for Sharyland Utilities.	Semi-annually	Semi-annually
NTS Tariff - Oncor NTU	Monthly charges are based on an access charge multiplied by the customer's preceding calendar year average 4CP load. The access charge is, as approved, in the most recent revision of the Wholesale Transmission Service Tariff for Oncor NTU.	Semi-annually	Semi-annually
WDSS Tariff - Oncor NTU	The monthly bill for WDSS is the sum of the Transmission Service Customer Charge, Metering Charge, Demand Charge, and any applicable riders - all rates set in Oncor NTU's Wholesale Transmission Service Tariff. The billing kW used for determining the Demand Charge for a month is Oncor's highest measured 15-minute kW recorded at the Point of Interconnection in the 12- month period ended with the current month.	Base Rate Case	Base Rate Case
Oncor Cares Foundation	Oncor's Senior Leadership Team determines the level of contributions to be made to the Foundation for charitable purposes. The amounts contributed are discretionary and, therefore, independent of any other party making contributions to the Foundation.	Annually	Annually

Schedule V-K-12 Page 1 of 1

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-12 AMOUNTS BILLED TO EACH AFFILIATE FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

						Oncor		
				Oncor	Oncor	Transmission/		
	,			Distribution	Transmissio	<b>Distribution</b>		Total
Line No.	Class of Items	Sub-Class		(ESD)	(TRN)	(TRNDS)		Oncor
	TAX SERVICES	Consulting - Uncertain Tax Position	\$	27,000			\$	27,000
1		Annual Tax Return Review	\$	67,250				67,250
2		Corptax Access	\$	25,750				25,750
3		Total Tax Services	\$	120,000			\$	120,000
4								
5 [	SOFTWARE & DATA SUPPORT	Ultimate Kronos Group	\$	2,896,972			\$	2,896,972
6		Total Ultimate Software Group Inc	\$	2,896,972			\$	2,896,972
7								
8	SOFTWARE & DATA SUPPORT	Veritas Technologies LLC	\$	685,233	54,313		\$	739,546
9		Total Veritas Technologies LLC	\$	685,233	54,313		\$	739,546
10								
11			_					
12	TARIFFED SERVICES	Sharyland NTS	\$	9,498,427	<i>,</i>		\$	9,498,427
13 [		Total Sharyland Utilities, L.L.C.	\$	9,498,427				9,498,427
14	······		_					
15	TARIFFED SERVICES	NTU NTS	\$	80,434,328			\$	80,434,328
16		NTU WDSS	\$	20,879,874			<b></b>	20,879,874
17		Total Oncor NTU LLC	\$	101,314,202			\$	101,314,202
18								
19 [	CONTRIBUTIONS	Oncor Cares Foundation	\$	276,540			\$	276,540
20		Total Oncor Cares Foundation	\$	276,540			\$	276,540
21								
22	TOTAL		\$	114,791,374	\$ 54,31	3 \$ -	\$	114,845,687

Schedule V-K-13 Page 1 of 1

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-13 AFFILIATE PROJECT CODES CREATED/CLOSED FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

	Created/		Affiliate
Project Title	Closed	Date	Used For
(a)	(c)	(d)	(f)
Tax Services - Consulting-Uncertain Tax Positions	Created	10/31/2019	Sempra
Tax Services - Annual Tax Return Review	Created	10/31/2019	Sempra
Tax Services - Annual CorpTax Access	Created	10/31/2019	Sempra
Software and Data Support	Created	5/6/2019	Ultimate Kronos Group Inc
Software and Data Support	Created	10/5/2015	Veritas Technologies LLC
Tariffed Services	Created	5/17/2019	Sharyland Utilities
Tariffed Services	Created	5/17/2019	Oncor NTU
Contributions	Created	6/1/2020	Oncor Cares Foundation
## 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC V-K-14 AFFILIATE PAYROLL FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: M. G. GRABLE & W. A. LEDBETTER

Line No.	Class of Items	Sub-Class	FERC Account	FERC Account Description	 Amount
1 2 3	Tax Services	Consulting-Uncertain tax positions Annual Tax Return Review Annual Corptax Access	9200000	Administrative & Gen Salaries	\$ 90,000
4 5	Total Affiliate	e Payroll Expenses			\$ 90,000

Note: Software & Data Support and Tariffed Services are billed to Oncor in compliance with arm'slength negotiated contracts or Commission approved tariffs, respectively. The amounts billed to Oncor through these contracts and tariffs are based on a compilation of all expenses required to provide these services. The individual component costs for these services, including payroll, are not separately identifiable to Oncor. There are no payroll costs in those amounts contributed to Oncor Cares Foundation.

Schedule L Page 1 of 1

### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC TRANSMISSION & DISTRIBUTION UTILITY CUSTOMER SERVICES SPONSORS: W. ALAN LEDBETTER

		Test Year	FERC	
Service	Description / Justification	Cost	Accounts	Assignment Methodology
{	Proactive initiatives to reach key audiences with regulatory requirements,		A920,A921,A923,A926,A930.1,	
Communications	safety and education programs.	\$ 4,212,556	A930.2,A931	Direct Assigned and Schedule II-F factors
	Provide executive leadership, oversight, and guidance in the management		A901,A903,A904,A920,A921,	
Corporate	of the Customer Services function goals and objectives.	5,201,789	A923,A926,A930.2,A931,A935	Direct Assigned and Schedule II-F factors
	Provide communications to and receive communications from consumers.		A580,A588,A903,A908,A920,	
	Cultivate and sustain effective consumer and community relationships with		A921,A923,A926,A930.1,A930.2,	
Customer Operations	key stakeholders.	16,729,355	A931	Direct Assigned and Schedule II-F factors
	Economic Development activities benefit the Company through an increase			· · · · · · · · · · · · · · · · · · ·
	in the consumer base, but there also are significant benefits to the			↑ ×
	communities being served via increased tax revenue, the creation of new		A908,A920,A921,A923,A926,	
Economic Development	employment opportunities, and reinvestment.	911,311	A930.1,A930.2,A931	Direct Assigned and Schedule II-F factors
	Manage and administer energy efficiency programs pursuant to Section			
	39.905 of the Public Utility Regulatory Act and Public Utility Commission of		1	
Energy Efficiency	Texas Substantive Rule 25.181.	46,332,491	A908,A921,A926	Direct Assigned and Schedule II-F factors
	Corporate professional services including Finance, Accounting, Human		A901,A920,A921,A923,A926,	
Administrative & General	Resources, etc.	3,344,112	A930.2,A931,A932,A935	Direct Assigned and Schedule II-F factors
	Interface with Retail Electric Providers (REPS) to ensure accuracy of		,	
	information provided to REPS and received from REPS and		A588,A903,A908,A920,A921,	
Market Operations	maintain/develop system process improvements.	17,594,038	A923,A926,A930.2	Direct Assigned and Schedule II-F factors
Grand Total		\$ 94,325,654	-	

Note Oncor now recovers all costs for its Energy Efficiency programs through an Energy Efficiency Cost Recovery Factor, as opposed to base rates, pursuant to Rule 25 181(I) and the Commission's authorization in Docket No. 35717

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Schedule VI-M-1 and 2 Page 1 of 1

# 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC PROJECT GENERAL INFORMATION AND NEED FOR THE PROJECT FOR THE TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: W. R. SPEED AND J. B. NICHOLS

This information is voluminous and will be made available in electronic format in accordance with the RFP General Instruction No. 15. Portions are confidential and will be made available only after execution of a certification to be bound by the draft protective order set forth in Section VII of this Rate Filing Package or a protective order issued in this docket.

#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W. R. SPEED and J. B NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
17TE3019 MAVERICK DRAW SUB ESTABLISH 138-21 6 KV 28 MVA XFMR & 1 FDR BKR	Customer A and Customer V have requested 13 MW total of distribution service over the next 2 years to serve of fields and a cryogenic processing plant. The customers are adjacent to Oncor Permita ho Cubreson 138 KV Transmission. Line in Cubreson County The requested in-service date is April 15, 2018. In addition the area to Cubreson County The there are currently no distribution facilities in this area. The datance to this new load, which is virtually all motor load, from Screwbean substation is 69,300 ft or 13.2 miles. In order to serve the load, it is proposed to establish Cubreson Co. FM 2119 substation (now knows as Maverick Draw Sub) with 1.28 MVA 138-21.6 kV substation transformer and two 21.6 kV feeder breakers. The new station will be located along FM 2119 and west of the Cubreson-Reeves County Line. Completion of this work will provide service to Customer A, Customer V, and expand the distribution capabilities on this single certified area.	2014 -23 19% 2015 24 53% 2016 45 45% 2017 52 08% 2018 63 70%	2019 37.66% 2020 38.60% 2021 -24.62%	6 5 MW	2019 33 MW 2020 56 MW 2021 56 MW	Commercial	Customer A Customer V
17763008 - SALT LAKE SUB ESTABLISH 138 12 5 KV STATION	Customer C has requested 8.7 MW distribution service over the next five years to an oil field mmediately adjacent to Oncor's Spraberry Switch switching station in Midland Counly. The requested in-service date is March 1, 2017. The current distribution to this area is served from Tex Harvey 1621. The distance to this new load, which is virtually all motor load, from Tex Harvey Substation is 86,000 ft or 16.7 miles. A study of the Distribution system has determined that an acceptable motor stating capacity cannot be provided at this requested point of servey due to the distance. An acceptable votage level cannot be maintained over this distance, and coordination is not possible due to extremely low available fault currents in order to serve the Customer C load, it is proposed to install Salt Lake Substation with 1- 28.0 MVA 138-12.5 KV substation transformer and two 12.5 KV feeder breakers. The new station will be located across CR 1160 from Spraberry Switch. It is anticipated that Customer C will request a substation Tex Harvey 1621 to the new fload to existing distribution Planning recommends that one of the new feeder also be teld to existing distribution rates, and also load be transferred from Tex Harvey 1621 to the new feeder. Completion of this work will provide service to the Customer C Oli Field, provide load related for Tex Harvey Substation, and will improve reliability, voltage stability, motor starting capabilities, and coordination in this area	2012 12 77% 2013 3 77% 2014 7 27% 2015 30 51% 2016 6 49%	2017 14 63% 2019 82 98% 2019 2 91% 2020 6 78% 2021 -24 74%	6 5 MW	2017 17 MW 2018 85 MW 2019 7 8 MW 2020 7 1 MW 2021 81 MW	Commetciat Industrial	Customer C
19769013 CASTILE HILLS SUBSTATION ESTABLISH STATION W/ 47MVA TRANSFORMER	Black River Substalion has received a 25 5 MW of distribution service request with buildout over the next 2 years This request along with area growth will load Black River Substation, a 1-28 MVA transformer station to 45 5 MVA, which is 163% over the 28 MVA transformer name plate rating In order to correct this problem it is proposed to establish Castlle Hills Substation by Installing Transformer #1, (1) 46 7 MVA 138-21 6 kV, and (2) 21 6 kV feeder breakers with 1,000 AL feeder exits Establish two primary points of delivery for the Customer to transfer their load form Black River Substation The Castle Hills Substation. The completion of this project will correct the normal bading problem at BLKRV Substation Transformer #1	2014 52 94% 2015 24 36% 2016 30 93% 2017 22 05% 2018 22 58%	2019 50 53% 2020 4 55% 2021 22 10%	25 5 MW	2019 14 2 MW 2020 15 7 MW 2021 16 7 MW	Industrial	Customer D

SCHEDULE VI-M-2.1 Page 1 of 34

Portions of the information are confidential/highly sensitive and will be made available only after execution of a certification to be bound by the draft protective order set forth in Section VII of this RFP or a protective order issued in this docket.

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W R SPEED and J B. NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers of project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
OPT40938 HARRY HINES SUB ESTABLISH SUBSTATION WITH 1-46 7MVA, 138-13 8 KV TRANSFORMER AND A SWITCHGEAR BUILDING WITH TWELVE CIRCUIT BREAKERS FOR EIGHT FEEDERS	Customer E has requested 14 MVA dual feed service with a third, redundant feeder in Datas The 2020/2021 projected writer load on Reagan Street 0015 is 12 0 MVA which is 148 1% of fis 8 1 MVA rating in addition, the 2020/2021 projected writer load on Reagan Street 0016 is 13 5 MVA, which is 103% of its 13 1 MVA rating In order to correct these problems, it is proposed to establish Harry Hines Substation with 1- 4 67 MVA, 138 - 13 8 KVI transformer and a switchgear building with twate circuit breakers for eight feeders. The completion of this project will correct the loading problems on Reagan Street 0015 and 0016 and provide additional backstand capacity to feeders in the area.	2015 0 00% 2016 0 00% 2017 0 00% 2018 -5 88% 2019 -6 94%	2020 66 42% 2021 -14 54%	14 MW	2020 15 MW 2021 19 MW	Commercial	Customer E
OPT04398 THORNTONVILLE SUB INSTALL 1-28 MVA AND 2-12 47KV FEEDER	Nonahans Substation has received a 6.8 MW of distribution service request with buildout over the next 2 years. The customer requested in-service date is October 15, 2019. This request along with area growth will load Monahans Substation transformer #2, a 22.4 MVA transformer, to 25.6 MW, which is 11% over the transformer mame plate rating. In addition, the substation will be baded to 39.8 MW which is 142% over the substation will be baded to 39.8 MW which is 142% over over the 13.8 MVA Feeder Maximum Continuous rating In order to correct this problem it is proposed to establish Thortonville Substation by installing Transformer th. (1).28 MVA 138/69-12.47 kV, and (2) 12.47 kV feeder breakers with 1.000 AL feeder exits install approximately 3,000° of 3-795 AAC, two 300 amp ABS and perform feeder swiths motion of this project will correct the normal kading problem at Monahans Substation Transformer #2 and correct feeder foading of Monahans substation feeder 1912.	2014 5 51% 2015 6 62% 2016 4 25% 2017 - 7 84% 2018 30 27%	2019 13 94% 2020 -275% 2021 -16 01%	11 MW	2019 0.5 MW 2020 10 6 MW 2021 6 8 MW	Commercial Industrial Residential	Customer F
OPT04144 KYLE RANCH ESTABLISH SUBSTATION WITH 2-46 7 MVA 138-21 6KV TRANSFS AND FOUR FEEDER BREAKERS	ELMAR Substation has received 83.4 MW and MASON substation has received 70MW of distribution sonce requests with buildout over the next 2 years. These requests abng with area growth will load ELMAR Substation a 2-46 7 MVA transformer station to 111.7 MVA which is 191% over the 56.4 MVA Substation Rating In addition, ELMAR Substation transformer #2 will be loaded to 66.7 MVA which is 143% over 4s.46.7 MVA namepiate rating MASON substation transformer #3 will be loaded to 22 0MVA which is 150% over 4s. 67.4 MVA and the state 28.0 MVA rating Lastly, Substation feeders ELMAR 3222 and MASON 34.13 will be loaded to 30.2 MVA and 31.0 MVA, which is 120% and 116% of their 25.2 and 26.8 MVA maximum continuous ratings, respectively In order to correct this problem 4 is proposed to establish KYLE Ranch Substation with (2) 46.7 MVA 138-21.6 KV Substation Transformer and 4(1) 21.6 KV feeder breakers with 1,000 AL leeder awate in addition, instat approx 15.000 '0.3 795.8 AC, 40.000 'd outble crout 3- 795, (3) 900 AMP ABS, relocate 1 NOVA recloser, remove 1 NOVA recloser and perform leeder switching The completion of this project will correct the normal loading problem at ELMAR and MASON Substations and releve its distribution feeders	2015 -14 29% 2016 31 90% 2017 14 38% 2018 70 10% 2019 30 57%	2020 14 67% 2021 8 23%	56 MW	2020 14 6 MW 2021 29 6 MW	Commercial Industria)	Customer G Customer W Customer X

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W R SPEED and J. B NICHOLS

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Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calondar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
0PT39579 HILL CREST (BKS SPRING GULF SUB) ESTABLISH STATION WITH 138- 12 5KV, 45 7WVA TRANSFORMER AND TWO FEEDER BREAKERS	The 2020 projected summer load on Big Spring Gulf Substation Transformer Bank #1 Is 12 8MVA which is 341% of the 3.75 MVA maximum rating for this transformer bank. This overload is caused by two customers who are Customer H's 3.9 MW added bad to their existing 1.7MW load and Customer I's 5.2MW added bad to their existing 2.0 MW load The customer's requested in-servce date is May 1, 2020. In addition the 2020 projected lead on Big Spring Switch Substation is 3.4.1 MVA which is 136% of the 2.5 MVA backstand rating for this substation. S.4.1 MVA which is 136% of the 2.5 MVA backstand rating for this substation. S.4.1 MVA which is 136% of the 2.5 MVA backstand rating for this substation. S.4.1 MVA which is 136% of the 2.5 MVA backstand rating for this substation. S.4.1 MVA which is 136% of the 2.5 MVA backstand rating for this substation. S.4.1 MVA which is 136% of the 2.5 MVA backstand rating leader breakers. Also install two 755AC overhead feeder exits for with substation rate customers and another 795AAC overhead feeder exits for worsubstation rate customers and another 795AAC and installing two N.0 switches. The completion of this project will correct the overload at Big Spring Gulf Substation and substation rating overload at Big Spring Switch substation. The actual project constructed differed from the recommendation after detailed engineering analysis performed by Oncor's Transmission Engineering group determined that no additional property was acquired and the new substation (Hill Crest Substation) was constructed on acquired property.	2015 5.34% 2016 0.68% 2017 7.05% 2018 7.84% 2019 -0.58%	2020 -4 97% 2021 -0 14%	12 8 MW	2020 15 MW 2021 13 MW	Industrial	Customer H Customer I
18T63115 YARBROUGH SUB ESTABLISM STATION	Customer J has requested 7.2 MW of distribution service over the next years served by a single PME from Judkins Substation This request bad Judkins Substation Transformer #1 to 13.3 MVA, which is 108% of 145.10 5 MVA nameptate rating Also, the Autotransformer will be loaded to 8 MVA, which is 107% of 45.75 AVVA nameptate rating in addition, Monahans Substation is projected to be loaded at 34.5 MVA or 123% of 45 backstand rating in order to correct this problem it is proposed to establish Yarbrough Substation by installing a 28 MVA 138-21 6 KV Substation Transformer, (2) 21 6 KV feeder breakers with 1,000 Cu leader exits, approx 34,800 feet of 3-795, (1) 900 AMP ABS and perform feeder switching The completion of this project will correct the normal bading problem at Judkins substation transformer #1 and backstand loading of Monahans substation	2013 187% 2014 210% 2015 748% 2016 335% 2017 -949%	2018 23 02% 2019 15 18% 2020 -22 02% 2021 4 23%	12 MW	2018 0 1 MW 2019 0 1 MW 2020 0 9 MW 2021 3 0 MW	Commercial Industrial	Customer J

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS' W R SPEED and J B NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years Immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
16T63020 MARIENSFIELD 138-25 KV SUBSTATION ESTABLISH STATION	Customer K has requested 7 6 MW of added load at the existing Cross Bar North and Cross Bar South PMEs M County Customer K currently has 2 PMEs with a total load of sprptomately 6 MW for the total of 1.2 4 MW. The earliest possible in-serve data is March 15, 2019 The current distribution to this area is served from Midland Farm Fieder 2131 There are lies to both Adobe Meadows 6532 and Alkak Lake 4221 The distance to this new bad, which is vitually all motor bad, from Midland Farm Substation is 80,000 ft or 15 1 millies A study of the Distribution system has determined that an acceptable motor starling capacity cannot be provided at this requested point of serve due to the distance An acceptable voltage level cannot be maintained over this distance, and coordination is not possible due to extremely low available fault currents MDFRM2131 is a GT 300 Enhancement Feeder In order to serve the Customer K load, it is proposed to install Manentield Substation with 1- 47 0 MVA 138-21 6 kV substation transformer and three 21 6 kV feeder breakers. The new station will be located approximately 5 miles west of the State Hwy 349. It is proposed to create three new feeders. Feeder one will serve west to Customer K's two PMEs, which will intersection with the current MDFRM 2131, Reconductor approximately 9000 ft of 3-44/0 ACSR with 3-758 kcmil AAC, installing 2-1200 KVAR capacitor banks, removing 3-1200 KVAR capacitor banks from MDFRM 2131, installing two air break switches, removing 3- 8.200 amp regulators, and transfering approximately 12 1 MW of load from MDFRM 2131 to MRH/D feeder 1 The second teeder will const of installing approximately 1000 ft 3-374/0 ACSR with 3-736 kcmil AAC, dress with 3-795 kcmil AAC with A0 AACA certural and reconductoring approximately 1000 ft 3-375 kcmil AAC with A0 AACA certural and reconductoring approximately 7 MW from ADMDS 6532 to MNNFD feeder 2. The third feeder will consult of a MOVA recloser, and transferring approximately 6 MW from ADMDS 6532 to MRINFD feeder 3. C	2014 96 67% 2015 80 51% 2016 -12 21% 2018 20 73%	2019 -3 29% 2020 15 93% 2021 -18 91%	10 MW	2019 15 MW 2020 4 2 MW 2021 2 4 MW	Commercial Residential	Customer K
OPT39591 WILLOW WELLS SUB INSTALL A 46 7 MVA TRANSFORMER AND TWO FEEDER BREAKERS	Loving Substation has received 17 MW and 10 0 MW of distribution service requests for Customer O and Customer P (ultimate load is 45 5 MW), respectively. These requests along with area growth will add Loving transformer #2, a 28 MVA bank to 32 0 MVA in the 2020 summar, which is 114% over the 29 0 MVA transformer name plate rating and Loving Substation to 57 2 MVA in the 2020 summar, which is 163% of the 35 0 MVA substation rating In order to correct this problem it is proposed to establish Willow Wells Substation by installing Transformer #1, (1) 46 7 MVA 138-21 6 kV, and (2) 21 6 kV feeder breakers with 795 AAC OH feeder soxt and a 1000 Cu UG ext, and Transformer #2, (1) 46 7 MVA 138- 21 6 kV, and (2) 21 6 kV feeder breakers Statiblish one primary point of delivery for the Customer P's substation rate and install 10,000 ft of 3-795 AAC primary and reconductor 8500 ft of 3-#100 ACSR primary with 795 AAC conductor, and transfer loads from Loving Substation to Midw Wells Substation.	2015 45 59% 2016 39 39% 2017 33 33% 2018 59 70% 2019 70 55%	2020 1.41% 2021 2.93%	13 MW	2020 15 4 MW 2021 13 9 MW	Commercial Industrial Residential	Customer O Customer P

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Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers If project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
0PT37618 HORSEHEAD DRAW SUB (FORMERLY MENTONE SOUTHWEST SUB) ESTABLISH STATION WITH (1) 46 7 MVA 138- 21 6 KV SUBSTATION TRANSFORMER AND (3) 21 6 KV FEEDER BREAKERS	ELMAR Substation has received 83.4 MW of distribution service requests with buildout over the rext 2 years. These requests along with area growth will bad ELMAR Substation a 2- 467 MVX transformer station to 99.4 MVA which is 170% over the 38.4 MVA substation a 2- 467 MVX transformer station to 99.4 MVA which is 170% over the 38.4 MVA which is 111% over its 46.7 MVA nameplate railing in addition, MASON Substation feeder 3412 is projected to be loaded to 11 MW, there is currently no backstand capability for this feeder in order to correct this problem it is proposed to establish Mentone Southwest Substation with (1) 46.7 MVA 139.21 64 Visubstation transformer and (3) 21 6 W feeder breakers with 1,000 AL feeder exits. In addition, MASON 40.00 of double circuit 3-765 AAC, and 4,000° of 3-795 AAC, (3) 900 MA PAS, (1) 7500 KVA 22 to 12 KV Auto, and perform feeder switching. The completion of this project will correct the normal bading problem and mitigate the backstand loading problem at ELMAR Substation and create backstand capabilities for MASON feeder 3412.	2014 210 34% 2015 -38 89% 2016 32 12% 2017 41 74% 2018 106 80%	2019 30.99% 2020 12.31% 2021 2.28%	21 2 MW	2019 3.6 MW 2020 12.0 MW 2021 13.0 MW	Commercial Industrial	Customer O Customer R Customer S
0PT37461 MOOREHEAD SUB (CAMPBELL SUB) ESTABLISH STATION WITH TWO 138- 24 9 KV, 47 MVA TRANSFORMERS AND FIVE 24 9 KV FEEDER BREAKERS	Customer T has requested a 40 MW dual-feed service near Garland Telecom Substation With this load the 2019 projected winter load on Garland Telecom 3005 is 44 4 MW which is 329% of Is 13 5 MW maximum continuous rating The 2019 projected winter load on Garland Telecom Pkwy #1 is 57 2 MW which is 122% of Is 46 7 MVA nameplate rating Projected symmer load on Murphy Rd Substation Transformer #3 is 48 1 MVA which is 103% of the 46 7 MVA nameplate rating In order to serve this load and correct the loading problem at Murphy Substation, 4 is proposed to establish Campbell (renamed Moorehead) Substation thension with 1030Cu feeder exits, install 500 ft of 8E duct Dank, install two 900 Ann part-break switches and transfer 10 MW from Murphy 2756 to Campbell (renamed Moorehead) Substation The completion of this project will serve Customer T and correct the loading problem at Murphy Rd Substation	2014 0.00% 2015 0.00% 2016 0.00% 2017 0.00% 2018 100.00%	2019 100 00% 2020 -15 21% 20215 67%	20 MW	2019 51 MW 2020 90 MW 2021 80 MW	Commercial Residential	Customer T

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P	roject Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
0PT04138 OW SUBSTATION W TRANSFORME E	VL HILLS SUB ESTABLISH ITH 2-467 MVA 138-21 KV ERS AND FOUR FEEDER BREAKERS	Customer U has requested 54 MW of distribution servce from Screwbean substation with an m-servce date of October 2019 This request along with area growth will load Screwbean Substation, a 1-28 MVA transformer station to 81 5 MVA, which is 295% over the 28 MVA transformer name plate roting In order to correct this problem it is proposed to establish Owl Hills Substation by installing Transformers #1 and #2, (2) 46 7 MVA 138-21 6 KV, and (4) 21 6 KV feeder breakers with overhead 795 AAC and underground 1000 AL feeder exits install approximately 12,000° of double circuit, 3755 AAC, finatial one 900 AMP ABS and perform feeder switching. The completion of this project will correct the normal loading problem at Screwbean Substation Transformer #1 and provide service to Customer U	2015 24 53% 2016 45 45% 2017 52 08% 2018 63 70% 2019 23 85%	2020 12973% 2021 -833%	54 MW	2020 28 0 MW 2021 33 6 MW	Commercial Industrial	Customer U
OPT04140 L ESTABLISH SUB TRANSFORMER E	.ONESOME DRAW SUB ISTATION WITH (2) 47 MVA RS AND (5) 25 KV FEEDER BREAKERS	Upton substation has received a 60 MW distribution service request from Customer U for service in April 2019 The 2019 projected summer bad at Upton substation with this request is 88 MVA which is 314 % over Upton's nameplate rating of 28 MVA In order to correct this problem if is proposed to establish HWY 2594 Substation Transformers, (5) 25 KV feeder breakers, and (5) 1000Cu feeder exits Customer U will receive (4) 25 kV feeders for their lacity in addition 3 6 miles of 12 5 kV to 25 kV votage conversion, nistall 1,000 ft of new 3-795AAC, reconductor 1000 ft of 82ACSR with 3 795AAC, nistal (2) 7500 KVA autotransformers, and switching devices as shown. The completion of all this work will astitly the customer's request for service and greatly improve reliability and motor starting requirements in the area	2014 0 00% 2015 -52 58% 2016 189 13% 2017 7 52% 2018 22 38%	2019 -2 86% 2020 357 65% 2021 -38 46%	54 2 MW	2019 59 8 MW 2020 60 5 MW 2021 62 4 MW	Commercial Industrial Residential	Customer U

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#### ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: W R. SPEED and J. B NICHOLS

Load growth rate in area Load growth rate in Identify Customers if Peak Load projected to Identify types of load the to be served by project area served by project Peak Load served by project was planned to be served by project as project was planned to during each of 5 during each calendar project during each Project Name Portions of Planning Studies that Support Need for Project forecasted by applicant erve a limited number of serve calendar years year starting with year year since project (Industrial, Commercial, Customers with relatively and consistent with immediately before project Initially was initially energized planning study Residential, others) large loads <sup>2</sup> project was energized energized Glasscock substation has received a 60 MW distribution service request from Customer U for service in September 2019 The 2019 projected summer load at Glasscock substation with this request is 80 MVA which is 286 % over Glasscock's nameplate rating of 28 MVA 2014 0.00% 0PT04142 -- SHIPWRECK SUB ESTABLISH 2019 4 5 MW 2015 -17 11% 2019 -5 36% Commercial SUBSTATION WITH (2) 47 MVA n order to correct this problem it is proposed to establish Shipwreck Substation with (2) 46 7 2016 -14 29% 2020 510 38% 61 2 MW 2020 53 8 MW Industrial Customer U TRANSFORMERS AND (5) 25 KV FEEDER MVA 138-25 kV Substation Transformers, (5) 25 kV feeder breakers, and (5) 1000Cu 2017 31 48% 2021 15 97% 2021 66 2 MW Residential BREAKERS feeder exits. Customer U will receive (4) 25 kV feeder for their facility. In addition installing 2018 57 75% 2,700 ft of 3-795AAC, enabling load to be moved from Hadacol Corner substation and Canal road to this substation The completion of all of this work will satisfy the customer's request for service and greatly improve reliability and motor starting requirements in the area Customer U has requested 54 MW of distribution service from Black River Substation with an in-service date of September 15 of 2019 This request along with area growth will load Black River Substation, a 1-28 MVA transformer station to 74 MVA, which is 264% over the 28 MVA transformer name plate rating 2015 24 36% OPT37562 v ALLIGATOR DRAW SUB 2016 30 93% 2020 152 78% 2020 22.2 MW ESTABLISH STATION WITH TWO 47 MVA. In order to correct this problem it is proposed to establish Alligator Draw Substation by Commercial 2017 22.05% 54 MW Customer II 138-21 6 KV TRANSFORMERS AND (2) 21 6 Installing Transformer #1 and #2, (2) 46 7 MVA 138-21 6 kV, and (2) 21 6 kV feeder 2021 16 41% 2021 26 9 MW Industrial 2018 22 58% KV FEEDER BREAKERS breakers with overhead 795 AAC feeder exits and (1) 21 6 kV feeder breaker with 1000 AL 2019 -24 21% underground feeder exit. Establish two primary points of delivery rated for 27 MVA each for Customer U. Install –4000' of 3-795 AAC, (1) 900 AMP ABS and perform feeder switching. The completion of this project will correct the normal loading problem at BLKRV Substation Transformer #1

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	Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initiaily energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
17	TPSU 14 005772GLASS FIANCH SUBSTATION	Refer to Section 3 20 of Exhibit JBN-3	2014 78 8%	2015 4 7% 2016 - 07% 2017 4 8% 2018 44 3% 2019 3 7% 2020 - 7 9%	48 7 MW	2016 23 7 MW 2017 46 3 MW 2018 65 2 MW 2019 69 5 MW 2020 71 5 MW	Industrial	NTU Customer A
18	TPSU 14 005706ROCKY ROAD 138KV SUBSTATION	Refer to Section 3 21 of Exhibit JBN-3	2014 71 3%	2015 36 2% 2016 -15 3% 2017 -11 2% 2016 24 3% 2019 20 1% 2020 -8%	9 9 MW	2015 3.9 MW 2016 4.9 MW 2017 4 MW 2018 5 1 MW 2018 5 1 MW 2018 8 2 MW 2020 7 MW	Industrial	NTU Customer B

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W R SPEED and J B NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
TPSU 15 006030PRONGHORN SUBSTATION	Refer to Section 3 30 of Exhibit JBN-3	2014 -107% 2015 116%	2016 0.3% 2017 69.4% 2018 -1.6% 2019 103.4% 2020 2.9%	11 6 MW	2017 7 1 MW 2018 13 7 MW 2019 22 8 MW 2020 26 4 MW	Industnal Residential	NTU Customer C
TPSU 13 005631CONSTRUCT TALL CITY SUBSTATION NORTH MIDLAND	Refer to Section 3 17 of Exhibit JBN-3	2014 127%	2015 34 5% 2016 -207% 2017 14 7% 2018 22 3% 2019 56 7% 2020 -1 4%	3 5 MW	2015 16 8 MW 2016 9 95 MW 2017 15 5 MW 2018 15 7 MW 2019 32 4 MW 2020 34 7 MW	Industrial Residential	NTU Customer D

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	Project Name	Portions of Planning Studies that Support Need for Project '	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
21	TPSU 14 005813NATURAL DAM 138/25KV SUBSTATION	Refer to Section 3.27 of Exhibit JBN-3	2014 27 1% 2015 48 5%	2016 12 8% 2017 38 9% 2018 103 5% 2019 22 8% 2020 29 3%	22 4 MW	2016 3 1 MW 2017 9 1 MW 2018 194 MW 2019 25 MW 2020 28 9 MW	Industrial	NTU Customer E
22	TPSU 14 005802CARTERVILLE 138KV SUBSTATION	Refer to Section 3 24 of Exhibit JBN-3	2014 141 2%	2015 28 7% 2016 19 9% 2017 32 2% 2018 107 7% 2019 -0 1% 2020 5 7%	3 9 MW	2015 2 1 MW 2017 2 3 MW 2016 5 9 MW 2015 5 3 MW 2020 3 5 MW	Industrial	NTU Customer F

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W R SPEED and J B. NICHOLS

	Project Name	Portions of Planning Studies that Support Need for Project <sup>4</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers If project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
23	TPSU 15 006054RINGO SUBSTATION	Refer to Section 3 31 of Exhibit JBN-3	2014 18 3% 2015 27 4%	2016 -10 7% 2017 18 8% 2018 24 4% 2019 38 4% 2020 17 8%	95 MW	2017 4 4 MW 2018 7 1 MW 2019 9 2 MW 2020 15 8 MW	Industrial	NTU Customer G
24	TPSU 15 005908BLUE ACRES 138/12 SKV SUBSTATION	Reler to Section 3 29 of Exhibit JBN-3	2014 5 9% 2015 3 6%	2016 -9 1% 2017 8 1% 2018 30 8% 2019 56 8% 2020 3 5%	20 2 MW	2016 0 8 MW 2017 2 5 MW 2018 10 1 MW 2019 15 4 MW 2020 21 5 MW	Industriat	NTU Cuslomer H

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W. R. SPEED and J B NICHOLS

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0P R	'T39915 NTUSU SAINT LAWRENCE SUB IEMOVE EQUIPMENT FOR ESTABLISHING BLISSARD SUB	The 2020 projected summer loading on the Saint Lawrence substation is 24 6 MW which is 110% over the name plate rating of 22 4 MVA of the transformer In order to correct this problem, the original proposal was to Install Saint Lawrence #2 with a 138-25 KV 47 MVA transformer and (2) 25 KV feeder breakers in addition, it is proposed to move feeders 2102 and 2104 from transformer #1 to transformer #2 Customer U has a large facitity in this area it is proposed to move this facility from ESTIL 2103 as backstand (or XFMR 42) to provide growth opportunities while keeping ESTIL 2103 as backstand The completion of this work will allow for increased growth for the oil fields, provide backstand to a single transformer station, and solve the overloading issues The actual project constructed differed from the recommendation after detailed engineering analysis performed by Oncor's Transmission Engineering group determined that construction of the project as recommended would be less economical. It was decided to instead, build Elissard Substation on the adjacent property to avoid a total rebuild of the existing station	2015 - 43 44% 2016 - 7 25% 2017 7 03% 2019 1 46% 2019 2 96%	2020 647% 2021 -713%	11 9 MW	2020 37 MW 2021 54 MW	Commercial Industrial Residential	Not Appicable
0 10	PT40871 BLISSARD SUB ESTABLISH A IEW 138-25KV SUBSTATION NEXT TO THE EXISTING SAINT LAWRENCE SUB	The 2020 projected summer bading on the Sawt Lawrence substation is 24 6 MW which is 110% over the name plate rating of 22 4 MVA of the transformer In order to correct this problem, the original proposal was to install Sawt Lawrence #2 with a 138-25 KV 47 MVA transformer and (2) 25 KV feeder breakers in addition, it is proposed to move feeders 2102 and 2104 from transformer #1 to transformer #2. Customer U has a large facility in this area it is proposed to move this facility from ESTIL 2103 as backtand (or XFMR #2) to provide growth opportunities while keeping ESTIL 2103 as backtand. The completion of this work will allow for increased growth for the oil fields, provide backtand to a single transformer station, and solva the overleading issues The actual project constructed differed from the recommendation after detailed engineering analysis periormed by Oncor's Transmission Engineering group determined that construction of the project as recommended would be loss economical. It was decided to metaed, build Elissand Substation on the adjacent property to avoid a total rebuild of the existing station	2015 -43 44% 2016 -7 25% 2017 7 03% 2018 - 1 46% 2019 2 96%	2020 647% 2021 -7 13%	11 9 MW	2020 37 MW 2021 54 MW	Commerciał Industral Residentiał	Not Appicable

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	Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 cslendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Lond served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industriat, Commercial, Residential, others)	Identify Customers If project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
c K	PT42368 SHIFTING SANDS (FORMERLY EVSTONE) SUB ESTABLISH STATLON BY INSTALLING A 138/69-21 6 KV 46 7 MVA TRANSFORMER WITH TWO FEEDER BREAKERS	With the added load of 6.4 MW of Customer CR, the projected load on Keystone Feeder 1021 is 15.4 MW which is 197% of the 7.8 maximum continuous rating of the feeder. In addition, the projected load on Keystone Substation Transformer #1 is 22.4 MW which is 112% of the 20 MVA nameplate rating of this transformer. Keystone Substation is a single transformer substation. In order to cortect this problem, it is recommended to establish a substation at 22.4 W with a138/95-22 KV 47 MVA transformer and how feeder breakers at Keystone Substation. It is also recommended to construct various distribution facilities in order to transfor loads to the new feeder breakers. The completion of this work will correct the overloads that have been klentified due to the added load of Customer CR	2016 -2346% 2017 968% 2019 4412% 2019 4694% 2020 2222%	2021 -45 86%	18 4 MW	2021 2 2 MW	Commercial Industnal Residential	Customer CR
OF S T	T43523 MOORES MILL SUB ESTABLISH UBSTATION WITH A 138-12 SKV 46 7MVA IANSFORMER AND 4 FEEDER BREAKERS	Customer CQ has signed an FEA for 19 7 MW with 4 MW to be online by 2021 and the rest In 2022 With the added load of 4 0 MW, the projected 2021 winter load on Temple North substation feeder 16030 is 16 5 MVA, which is 126% of the 13 1 MVA maximum continuous rating of this feeder. In addition, the projected 2021 winter load on Temple North Substation is 59 0 MVA which is 101% of the 59 4 MVA backstand rating for this substation. In order to correct this problem, it is recommended to establish Moores Mill Substation with a 139-12 5 KV 4 67 MVA transformer and 4 feeder breakers with 1000 curkst. Two feeder breakers will be used in 2021 and the other feeder breakers with 1000 curkst. Two feeder breakers will be used in 2021 and the other feeder breakers will be used no 2022. It is also recommended to construct various distribution factities in order to transfer load to the substation. The completion of this work will correct the overloads that have been identified due to the added load of Customer CQ in Temple	2016 10 83% 2017 4 37% 2018 3 2% 2019 0 95% 2020 1 18%	2021 047%	18 5 MW	2021 0 2 MW	Commercial Industrial Residential	Customer CQ
5	OPTO1074 PARKS BELL RANCH SUB STABLISH SUBSTATION WITH (1) 47 MVA TRANSFORMER AND (3) 12 SKV FEEDER BREAKERS	The 2019 summer projected load on GLNHV3953 is 15 8, which is 120% of the 13 1 MVA maxmum continuous rating The 2019 summer projected bad on Glenhaven Transformer #3 is 49 MVA which is 105% of the 46 7 MVA transformer's nameplate rating, the 2019 summer projected load on Glenhaven Substation is 104 1 MVA which is 133% of this substation's 74 4 MVA rating and the 2019 summer projected load on Grandview Odessa Substation is 78 6 MVA which is 135% of this substation's 58 4 MVA rating it is proposed Parks Bell Boulevard Substation with a 46 7 MVA, 138-125 KV transformer and three 125 EV leader breakers with 1000 cu exis. In addition, it is proposed to install 23,700 ft of 3-795 AAC primary, reconductor 18,850 ft of small conductor primary with 3- 795 AAC, and transfer load among feeders using existing and proposed switches The completion of the work will correct the overloads at Glenhaven and Grandview Odessa Substations	2014 2 85% 2015 3 22% 2016 4 14% 2017 -2 30% 2018 16 76%	2019 000% 2020 -7 15% 2021 -6 03%	27 2 MW	2019 7 0 MW 2020 17 4 MW 2021 17 2 MW	Commercial Residential	Not Applicable

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30	0PT01087 SALADO SOUTH SUBSTATION ESTABLISH SALADO SOUTH SUBSTATION WITH A 28 0 MVA 138-12 5 KV TRANSFORMER AND TWO FEEDER BREAKERS	The 2019/2020 projected winter load on Salado Switch Substation is 35.4 MW which is 122% of this substation's 29.1 MVA backstand rating The 2019/2020 projected winter load on Salado Switch teder 3001 is 14.7 MW which is 109% of this feeder's 13.5 MVA maximum continuous rating In order to correct these problems it is proposed to install Salado South Substation with 1-28 MVA 138-12.5 kV transformer and (2) 12.5 kV feeder breakers Completion of this work will correct substation and feeder badings at Salado Switch Substation	2015 -13 57% 2016 524% 2017 597% 2018 2066% 2019 -16 73%	2020 46 28% 2021 -27 95%	9 7 MW	2020 4 0 MW 2021 5 5 MW	Commercial Industrial Residential	Not Applicable
31	OPTO 1906 SCATTER BRANCH SUBSTATION ESTABLISH NEW SUBSTATION WITH ONE 28 MVA TRANSFORMER AND TWO 25 KV FEEDER BREAKERS	The 2017/2018 projected whiter load on Neylandwile substation is 5.8 MVA which is 118% of the 5.0 MVA transformer nameplate rating In order to correct this problem, 4 is proposed to establish Scatter Branch substation with 1- 28 MVA, 130/69-24 9 KV, substation transformer and two 25 KV feeder breakers with one 1000 kcml Cu feeder ext. In addition, it is proposed to reconductor 9200 ft of 1-#4 ACSR and 2-#4 ACSR to 3-#4/0 ACSR, instation or 250 KV and us tepdown transformer, instali one Kyle Nova recloser with Form 6 controls, close one NO 300 A overhead disconnect to transfer 4.96 MV from Neylandwite 1201 to the new Scatter Branch feeder, transler 4.95 KW from Neylandwile 1202 teder to 24 9 KV, and open both Neylandwile feeder, convert the former Neylandwile from Neylandwile substation. The completion of this project will correct the overload problems at Neylandwile substation.	2015 -6 12% 2016 -19 57% 2017 35 14% 2018 10 00% 2019 -10 91%	2020 32.65% 2021 -26.77%	58 MW	2020 2 7 MW 2021 0 47 MW	Commercial Industrial Residential	Not Applicable
32	0PT04151 - FLOWER GROVE SUB ESTABLISH SUBSTATION WITH A 138-24 9 KV 46 7 MVA TRANSFORMER AND TWO FEEDER BREAKERS	The 2019 summer projected load on Brown feeder 1101 is 18 6 MVA. This is 143% of the feeder's 13 MVA rating. The summer projected 2019 boad on feeder 1102 is 15 2MVA which is 117% of the feeder's 13 MVA rating Abs Brown, a single-transformer substation, has a 47 5 MVA rating based upon 95% of the 50 MVA nameplate rating 60 of 10 summer projected 2019 summer loading at 47 1 MVA, Brown substation will be at 99% of its 47 5 MVA rating Abs Brown, a single-transformer substation, has a 40 54% of the 50 MVA nameplate rating 404thonaly, the 2019 summer projected bad on Knott 5221 is 27 3 MVA which is 101% of this feeders 27 2 MVA rating and 94% of the 50 MVA nameplate rating 404thonaly, the 2019 summer projected bad on Knott 5221 is 27 3 MVA which is 101% of this feeders 27 2 MVA rating in order to correct these overloads, it is proposed to establish Flower Grove Substation with -467 MVA transformer and -262 kV feeder threaksrs. It is proposed in instatificeonductor approximately 13,000 ft of 3-795 AAC, install 5,200 ft of 3-#4/0 AAC, install 3 switches, install a 5 MVA 25/12KV auto, install one Kyle Nova Racciser, install 2 sets of 25 kV at regulators, and perform switching to transfort 15 MVA off from Substation with 9 1 MVA off feeder 1101 and 6 3 MVA off 1102 and 3 5 MVA off Knott Feeder 5211 The completion of this work will correct the feeder overloads on Brown and Knott Substations	2014 -4 86% 2015 13 14% 2016 -30 97% 2017 187% 2018 100 92%	2019 85 84% 2020 37 35% 2021 -2 57%	18 9 MW	2019 1 8 MW 2020 8 7 MW 2021 12 3 MW	Commercial Industrial Residential	Not Applicable

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0PT04155 BLAGG SUB ESTABLISH SUBSTATION WITH A 47 MVA 138-24 9 KV TRANSF AND TWO FEEDER BREAKERS	The 2019/2020 projected winter load on Krugerville Sub transformer Bank #1 is 33 3 MVA which is 113% of the 28 MVA transformer rating. There is no adjacent transformer to transfer load to releve this problem. In the event of a fault on the new Blagg SI south leader, there would be no back stand for 6 8 MW of the projected 2019/2020 winter load of 10 9 MW on Blagg SI Sub, resulting in an extended outage In order to correct this problem, it is proposed to establish Blagg Substation with 1-46 7 MVA 138-24 9 KV transformer, and two 24 9 KV feeder breakers. The completion of this project will correct the overload problems at Krugerville Sub	2015 -2 55% 2016 -21 83% 2017 40 78% 2018 23 81% 2019 -18 59%	2020 10 24% 2021 -31 48%	9 8 MW	2020 51 MW 2021 53 MW	Commercial Industrial Residential	Not Appicable
0PT04157 BIRD NEST SUB FORMERLY (PFLUGERVILLE SOUTH SUBSTATION)	The 2019 projected summer load on Pflugerville 2001 is 31 8 MVA which is 118% of the 26 9 MVA maxmum continuous rating for this feeder The 2019 projected summer load on Pflugerville 2007 is 26 6 MVA which is 105% of the 24 4 MVA maxmum continuous rating for this feeder The 2019 projected summer load on Pflugerville 2004 is 25 MVA which is 102% of the 24 MVA maxmum continuous rating for this feeder. The 2019 projected summer load on Pflugerville Substation Transformer 49 is 47 6 MVA which is 102% of the 24 MVA maxmum continuous rating for the feeder. The 2019 projected summer load on Pflugerville Substation Transformer 49 is 47 6 MVA which is 102% of the 24 MVA maxellar to the statistical substation and install 45 7 MVA nameplate rating of this transformer The 2019 projected summer load on Pflugerville Substation is 128 MVA which is 10% of the 116 8 rating for this substation in order to correct these problems, it is proposed to establish Bird Nest Substation and Install a 138-25KV, 46 7 MVA transformer with two 24 9 KV feeder breakers. The completion of this project will correct the loading problems at Pflugerville Substation	2014 2 32% 2015 8 02% 2016 483% 2017 -2 34% 2018 11 97%	2019 -5 86% 2020 32 45% 2021 -6 37%	31 MW	2019 9 8 MW 2020 39 6 MW 2021 44 0 MW	Commercial Industrial Residential	Not Applicable
0PT04281 RENTAL CAR SUB ESTABLISH SUBSTATION WITH 2-46 7 MVA, 138-24 9 KV TRANSFORMERS AND 4 FEEDERS	The 2019 projected summer load on DFWSW Substation is 52 3 MVA, which is 111% of the 47 MVA substation rating DFWSW Substation Bank #1 is reserved for CTA load only while Bank #2 is to serve quadrant load in addition, the 2019 projected summer load on DFWSW Feeder 2326 is 27 7 MVA, which is 114% of the maxmum continuous rating for this feeder in order to correct this problem, if is proposed to establish Rental Car Substation by installing 2-47 MVA, 138-24 9 kV transformers, 4-25 kV circuit breakers, 5390 ft of 6-1000 MCM Ci cable in BEG duct bank. The completion of this project will solve the loading problems on DFWSW Substation and Feeder 2326	2014 1 82% 2015 21 19% 2016 - 17 73% 2017 - 18 56% 2018 0 37%	2019 -7 33% 2020 20 95% 2021 52 35%	40 6 MW	2019 4 3 MW 2020 4 1 MW 2021 10 7 MW	Commercial	Not Applicable

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0PT39269 CHINA LAKE SUB ESTABLISH SUBSTATION WITH 1-47 MVA TRANSFORMER AND 1-22 KV FEEDER BREAKERS	The 2020 projected summar load on Coyanosa Northwest Bank #1 is 34 0 MVA, which is 121% of 14 28 MVA rating In addition, the 2020 projected summer load on Coyanosa Northwest Substation is 55 6 MVA, which is 159% of the 35 MVA substation backstand rating In order to correct this issue, it is proposed to establish China Lake Substation with 1-47 MVA, 138-276 k W/ ransforms and 2-21 6 kV feeder breaker with 3-1000 CU feeder exit In addition, it is proposed to instal 8,700 kt of 3-795 kcml AAC, reconductor 2,650 ft of 1 #2 ACSR to 3-795 kcml AAC, reconductor 6,200 ft of 3-782 ACSR to 3-795 kcml AAC, relocate the existing 1000 KVA autotransformer north, convert a small portion of the feeder to 21 6 kV and install one 900 Amp ABS, P-NO The completion of this project will correct the transformer overload and mitigate the substation backstand overload	2015 0 00% 2016 0 00% 2017 0 00% 2018 46 91% 2019 191 60%	2020 -36 02% 2021 21 66%	16 5 MW	2020 0.8 MW 2021 1.8 MW	Industrial	Not Applicable
0PT39275 DOOLEY SUB REBUILD EXISTING NORTHWARD SUB BY ESTABLISH STATION WITH 46 7 MVA, 69/22 KV TRANSFORMER	The projected summer 2020 load on Northward substation is 11 MW, which is 105% of the maximum continuous rating of the 10 5 MVA transformer. Also, the projected foad on a 7500 kVA autotransformer is 10 3 MW, which is 137% of the maximum continuous rating in order to correct this issue, the original proposal was to replace the 10 5 MVA, 69/12 5 kV, transformer at Northward substation with a 45 7 MVA, 69/22 kV, transformer and convert approximately 5 Check the 7 StoOk KVA auto. The completion of this project will resolve the overhoads at Northward Substation. The completion of this project will resolve the overhoads at Northward Substation. The completion of this project will resolve the overhoads at Northward Substation. The completion of the project dengineering analysis performed by Check? Transmission Engineering group determined no additional property was acquired and the new substation (Dooley Substation) was constructed on acquired property.	2015 0 00% 2016 -6 25% 2017 13 33% 2018 0 00% 2019 23 53%	2020 228 57% 2021 -6 84%	11 MW	2020 6 9 MW 2021 6 4 MW	Industnal	Not Applicable

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0PT39276 FATE SUB ESTABLISH SUBSTATION WITH 45 7 MVA 138-24 9KV TRANSFORMER AND TWO FEEDER BREAKERS	The 2020 projected summer load on Rockwall feeder 1203 is 29 8 MVA which is 110% of the 27 2 MVA feeder rating in addition, the projected summer load on Rockwall Transformer #1 is 49 0 MVA, which is 105% of the 45 7 MVA rating in addition, the projected summer load on Rockwall substation is 86 6 MVA which is 148% of the 58 4 MVA substation backstand rating in addition, the projected summer load on Rockwall East substation is 68 7 MVA which is 117% of the 58 75 MVA substation backstand rating in order to correct this problem, it is proposed to establish Fate substation which 146 7 MVA, 138-24 8 MV, transformer and two 25 KV feeder breakers with 1000 kcmil Cu feeder axis in addition, it is proposed to install 7100 tf of overhead 3-755 kcmil AAC overhead conductor, relocate 1 recloser, remove 1 recloser, relocate 1 autotransformer, remove 2- 7500 kVA autotransformers, install 2-3750 kVA autotransformers, Install 3-900 Au break switches, convert 170 customers from 12 5 to 24 8 kV, transfer 13 8 MW from Rockwall 1203 and Rockwall 1201 to the new Fate west leder, transfer 13 2 MW from Rockwall 1203 to Rockwall 1201 to the reme Tat west leder, transfer 32 MW from Rockwall 1203 to Rockwall 1201 to the reme Tate west leder, transfer 32 MW from Rockwall 1203 to Rockwall 1201 to the reme Tate west leder, transfer 32 MW from Rockwall 1203 to Rockwall 1201 to the reme Tate wast leder, transfer 32 MW from Rockwall 1203 to Rockwall 1201 to the reme Tate wast leder, transfer 32 MW from Rockwall 1203 to Rockwall 1201 to the reme Tate wast leder, transfer 32 MW from Rockwall 1203 to Rockwall 1201 to the reme Tate wast leder, transfer 32 MW from Rockwall 1203 to Rockwall East 3226 to the new Fate east leader. The completion of the project will correct the overlead problems at Rockwall Batel and Rockwall East substation in addition, establishing Fate substation increases the available capacity and feeder routes in a last; growing and dual-cortified area which houtdues the Wood Creek development, future Monta	2015 7 74% 2016 9 58% 2017 - 10 84% 2019 - 2 58%	2020 4 15% 2021 -0 70%	23 4 MW	2020 15 6 MW 2021 17 6 MW	Commercial Industrial Residential	Not Appleable
0PT39278 JACK RABBIT SUB ESTABLISH SUBSTATION WITH A 47 MVA, 139-12 5 KV TRANSFORMER, AND THREE 12 5 KV FEEDER BREAKERS	The 2020 summer projected load on feeder Odessa 0212 is 14 9MVA which is 103% of the 14 5 MVA rating of the feeder. Additionally, Odessa substation transformer #1 is projected to be loaded at 47 6 MVA which is 102% of the 46 7MVA nameplate rating of this transformer Feeder Gleinhaven 3942 will be loaded to 13 7MVA which is 110% of the 12 4MVA rating of the feeder Abs the 2020 summer projected load on Odessa Substation is 89 2 MVA which is 153% of the 58 4 MVA substation rating it is proposed to establish Jack Rabb4 Substation with 46 7MVA, 138-12 5KV transformer and three 12 5KV feeder breakers with 1000 Cu eards. Also, it is proposed to instatil approximately 14000ft of 3-795AAC conductor and instalf 5-900 air switches to transfer load Approximately 4800ft of existing conductor will needed to be replaced with 3-785AAC. The completion of this work will correct the overloads at Odessa and Gleinhaven Substations	2015 1 89% 2016 -0 46% 2017 2 66% 2018 14 15% 2019 -1 02%	2020 -15 11% 2021 -1 58%	24 5 MW	2020 58 MW 2021 138 MW	Commercial Industrial Residentrial	Not Applicable

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Load growth rate in area Load growth rate in Peak Load projected to Identify Customers if Identify types of load the to be served by project area served by projec Peak Load served by be served by project as project was planned to project was planned to during each of 5 during each calendar project during each Project Name Portions of Planning Studies that Support Need for Project 1 orecasted by applican serve serve a limited number o calendar years year starting with year year since project and consistent with (Industrial, Commercial, Customers with relatively immediately before project initially was initially energized planning study Residential, others) large loads <sup>2</sup> project was energized energized The 2019 projected Summer load on Grand Prairie Substation is 83 2 MVA which is 143% of the S8 4 MVA Summer rating for this substation. In addition, the projected feeder loading 2015 -0 60% 0PT39486 -- LAKECREST SUB (FISH CREEK) on Grand Pravie 0811 and 0842 is 10 1 and 18 4 MVA respectively which is 101 and 163% 2016 7 90% Commercial ESTABLISH SUBSTATION WITH 46 7 MVA TRANSFORMER AND THREE FEEDER of the 10 0 and 11 3 MVA rating 2020 15 58% 2020 5 3 MW 2017 1 41% 14 5 MW Not Applicable Industrial 2021 -12 78% 2021 13 6 MW 2018 1 11% Residential BREAKER n order to correct this problem, it is proposed to establish Lakecrest Substation with one 2019 -4 81% 138-12 5 kV 46 7 MVA substation transformer and three 12 5 kV feeder breakers The mpletion of this project will correct the loading problems on Grand Prairie Substation The 2020 projected summer load on Coahoma #2 (21 6 kV) is 10 4 which is 111% of the transformer 9 375 MVA nameplate rating. This is treated as a single transformer substation because Coahoma #1 has different distribution voltage (12 5 kV) and there is no low voltage bus tie between the two transformers. In addition, the 2020 projected summer load on Bulldog Substation is 23.0 MVA which 103% of the 22.4 MVA nameplate rating Bulldog 2015 8 16% ubstation is a single transformer substation 0PT40126 -- BRELYN SUB (COAHOMA WEST 2016 26 42% Commetcial SUB) ESTABLISH SUBSTATION WITH A 138 2020 9 50% 2020 6 0 MW 2017 31 34% In order to correct these loading problems, it is proposed to establish the Brelyn Substation 10 2 MW Industrial Not Applicable 21 6KV 46 7MVA TRANSFORMER WITH 2-2021 -17 88% 2021 10 2 MW with a 1-46 7 MVA 138-21 6 kV transformer and 2-21 6 kV feeder breakers with 795 AAC 2018 121 59% Residential 21 6KV FEEDER BREAKERS overhead feeder exits Install approx 6700 ft of 3-795 AAC for two feeders and connecting 2019 24 10% to existing feeders Install two 21 6 kV - 12 47 kV 7 5 MVA Auto Transformers to pick up load from COHMA1111 Additionally install four air break switches, one NOVA Recioser, and one Trip Saver, relocate an existing recloser, remove an existing recloser, and reconductor 500 ft of 3#4 ACSR with 4/0 ACSR primary The completion of this project will correct the loading problems at Coahoma and Bulklog Substations

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oad growth rate in area Load growth rate in Identify Customers if Peak Load projected to Identify types of load the to be served by project area served by project Peak Load served by project was planned to be served by project as project was planned to during each of 5 during each calendar project during each Project Name Portions of Planning Studies that Support Need for Project <sup>1</sup> erve a limited number o orecasted by applican serve calendar veare year starting with year year since project and consistent with (industrial, Commercial Customers with relatively immediately before project initially was initially energized planning study Residential, others) large loads 2 project was energized energized The 2020 summer projected load on Natural Dam Substation Transformer #1 is 83 4 MVA This is 149% of the transformer nameplate's 56 MVA rating. The 2020 projected summer load on Covole Substation Transformer #1 is 71 0 MVA which is 127% of the transformer nameplate's 56 MVA rating Additionally The 2020 projected summer loads for the Natural Dam feeders are 2103 - 20 MVA, 2104 - 35 MVA, 2106 - 28 4 MVA The overloaded feeders are 2104 and 2106 will have 35 MVA on a 25 MVA maximum continuous rating which is an overload of 140% and 28.4 MVA on a 25 MVA maximum continuous ration which is an overload of 114% There is a 2020 projected summer load of 30 0 MVA on 2015 38 64% 0PT40344 -- BEALS CREEK (FORMERLY YOTE 2104 which is 160% of the 18 MVA feeder maximum continuous rating 2016 27 05% Commercial ANDREWS HIGHWAY) SUB ESTABLISH 2020 17 70% 2020 06 MW 2017 40 00% 56 MW Industrial Not Applicable 2021 13 33% 2021 5 5 MW WITH TWO 139-24 9 KV 46 7 MVA n order to correct these overloads, it is proposed to establish the Andrews Highway 2018 129 49% Peridontial TRANSFORMERS AND 3-24 9 KV BREAKERS Substation with 2-46 7 MVA transformer and 3-25 kV feeder breakers install approximately 2019 6.63% 39,000 ft of 3-795 AAC, 6-N O ABS, and 1-400 amp 25 kV Regulator Reconductor /OACSR and #4 ACSR to 795AAC for 21,000 ft Convert 1-Ph to 3-Ph for 2400 ft Perform wtching to transfer 37 MVA off Natural Dam Substation with 19 5 MVA off feeder 2104 and 17 MVA off feeder 2106. Also perform switching to transfer 24 MVA off Covole Substation with 15 MVA from feeder 2103 and 9 MVA from feeder 2104 Loading after switching will be Coyote 47 MVA, Andrews HWY #1 30 MVA, Andrews HWY #2 26 MVA, and Natural Dam 48 4 MVA The completion of this project will correct transformer overloads on Natura Dam and Covote Substations as well as feeder overloads on both substations The 2020 projected winter load on South Midland substation is 59 MW which is 105% of the substation's 56 MVA rating 2015 153 85% 0PT41685 -- COTTONFIELD SUB ESTABLISH 2016 27 27% SUBSTATION WITH 138-25 KV 47 MVA n order to correct this issue, it is proposed to establish Cotton Fields Substation with a 138-2020 30 50% 2020 7 6 MW Commercial 2017 -3 57% 28 MW Not Applicable 25 kV 47 MVA transformer and 2-25 kV feeder breakers. Utilize two feeder exits to tre into existing SMLND feeder 2104 Four 900A ABS will be used to transfer 28 MW from SMLND 2021 -26 33% 2021 15 0 MW Industrial TRANSFORMER AND 2-25 KV FEEDER 2018 6 17% BDEAKEDS 2019 55 04% to Cotton Fields Substation. The completion of this work will correct the substation loading ssue at South Midland Substation

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS: W R SPEED and J. B NICHOLS

	Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
44	16T62004 WHITE SETTLEMENT WEST SUBSTATION ESTABLISH STATION	The 2017/18 projected winter load on Western Hills Substation Transformer #1 is 49 8 MVA which is 106% of the 47 0 MVA nameplate rating for this transformer in addition, the 2017/18 projected winter load on Banks #1 and #2 is 92 2 MVA and the 2017/18 projected winter load on Banks #2 and #3 is 66 4 MVA which is 157% and 113% of the 58 75 substation rating for these transformers, respectively in order to correct these problems, it is proposed to establish the White Settlement West Substation with one 47 MVA 138-24 8 kV transformer and two feeder breakers with 1000 Cu feeder exits, install 5700 ft of 3-795 kcmil AAC conductor, reconductor 16,800 ft of small wire with 3-785 kcmil AAC, install one 140 amp WV feedser, relocate two SCADA sectionalizer switches, install one air switch and transfer load using new and existing facilities. The completion of this project will correct the loading problems on this substation is projected with system.	2012 -5 10% 2013 -0 80% 2014 25 81% 2015 -6 68% 2016 -24 44%	2017 35 32% 2018 7 39% 2019 -10 72% 2020 -8 11% 2021 47 81%	28 MW	2017 4 MW 2018 30 9 MW 2019 28 7 MW 2020 27 5 MW 2021 45 6 MW	industrial Residential	Not Applicable
45	16T62052 PANTHER ISLAND SUB RELOCATE THE NORTH MAIN SUBSTATION TO THE SOUTH OF HERITAGE SUB AND NORTH MAIN SWITCH	The 2019 projected summer peak on North Main Substation is 44 6 MW The Trindy River Vision Project in the City of Fort Worth will bring a large amount of additional load to the North Main Substation area. The existing location of the North Main Substation is not conducer to expansion of the facilities for load growth in addition, the facilities at North Main Substation are oid in anticepation of these concerns, its recommended that the North Main Substation be relocated with new facilities to an area that allows for additional capacity to be added it is proposed to relocate the North Main Substation with two 138-12 S kV 46 7 MVA transformers and eight feder breakres to a 52 acre tract just south of the existing occasing location in addition, it is proposed to install duct system with eight 1000 Cu exits as required	2015 -1 89% 2016 1 93% 2017 - 4 49% 2018 6 68% 2019 -6 03%	2020 61 73% 2021 -35 64%	44 6 MW	2020 26 0 MW 2021 42 5 MW	Commercial Industrial Residential	Not Applicable
46	16T64089 - CAMINO SUB ESTABLISH NEW 138 KV - 13 2 KV DISTRIBUTION YARD	The projected 2017 winter load on Nacogdoches Substation is 44 7 MVA which is 143% of this stations 31 25 MVA substation rating in addition, the transformers at Nacogdoches Substation are maccessible during replacement In order to correct his problem it is proposed to relocate Nacogdoches Substation (now knowns as Camino Substation) by installing 2-47 MVA 138-12 47 kV transformers in addition, relocate existing six overhead feeder exits with underground 1000 Alfeeder exits install an additional feeder breaker to split NCDCH 1204 blad. The final configuration will hava 3 feeders in bank #1 and 4 feeders in bank #2. The completion of this project will correct the substation rating problem and provide accessibility to the substation transformers for replacement	2012 -7 23% 2013 -3 64% 2014 - 7 55% 2015 - 15 16% 2016 - 16 20%	2017 13 51% 2018 - 30 90% 2019 - 5 28% 2020 0 00% 2021 -4 54%	44 7 MW	2017 52 1 MW 2018 36 0 MW 2018 34 MW 2020 34 1 MW 2020 34 1 MW 2021 32 6 MW	Commercial Industrial Residential	Not Applicable

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS. W R. SPEED and J B NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project '	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
16T65007 ANNA SOUTHEAST SUBSTATION ESTABLISH STATION	The 2018 projected summer load on Van Alstyne Substation is 24 2 MVA, which is 180% of the 13 5 MVA summer backstand rating in addition, the 2018 projected summer load on McKrinney (24 VI) Substation and McKinney 44 Is 93 4 MVA and 53 9 MVA which is 160% and 115% of its 58 4 MVA summer backstand rating and 46 7 MVA namepiate rating in order to correct these problems, it is proposed to build Anna 5 E substation in Metissa and matilial 47 0 MVA 139-24 9 KV transformer with hivo 24 9 KV circuit breakers and approx 2300 ft of 856 duct bank with 3-1000 AL leader exits, build two 3-795 Kcmil AAC circuits for an eslinated 15,000 ft acch, reconductor 8800 ft of 3-#1 CU with 3-795 AAC, convert an area of Van Alstyne substation feeder 2112 twith A 24 RV, remove one capactor bank, relocate one WVE 280 amp recloser, Install Gur 65 amp fuses, replace all fuses in an area of Van Alstyne substation feeder 2112 twith A amp fuses, replace and a et of 200 amp regulators, relocate a 3,750kVA autotransformer, balance feeder load and perform one switching operation to transfer 10 WW of load from Van Abstyne substation feeder 212 twith 64 VK, reprosed to convert an area of McKinney substation tederder 212 VK to 49 kV, replace a 2,500 kVA autotransformer with a 3,750 autotransformer, from Van Abstyne substation feeder 2412 (to a new Anna SE substation feeder 125 kV to 24 VK, replace a 2,500 kVA autotransformer with a 3,750 autotransformer, reconductor 13,800 ft of small conductor with 3 755 kcmil AAC, instalia a 500 amp Ar Break Switch, remove a set of 200 amp regulators, remove two capacefor NW of load from McKinney substation feeder 125 to a new Anna SE substation feeder in these two feeders from 12 S kV to 24 VK anna SE substation feeder in not kins mer station feeder 125 to a new Anna SE substation feeder in order to convert these two feeders from 12 S kV to 24 VK anna SE substation feeder in and these more hasformer capacity will be replaced with 24 S VY inansformer will be replaced with we 300 VKAP 24 9 kV	2013 -7 31% 2014 307% 2015 7 65% 2016 2 39% 2017 -12 13%	2018 14.96% 2019 - 0.36% 2020 - 0.73% 2021 2.95%	25 MW	2018 16 7 MW 2019 24 1 MW 2020 25 7 MW 2021 25 4 MW	Commercial Industrial Residential	Not Applicable
16T65129 ESTABLISH NORTH NETWORK OVERHEAD SUBSTATION	The 2017 projected summer load for Bryan 0004 is 15 7 MW, which is 120% of 4s 13 1 MW feeder raining in addition, the 2017/2018 projected winter load's for Bryan 0005 and East Network Overhead 0004 are 14 9 MW and 11 6 MW, which is 113% of Bryan 00055 13 1 MW feeder rating and 108% of East Network Overhead 0004's 10 9 MW feeder rating Prinally, the 2017 projected summer load for Lemmon Avenue Substation is 73 6 MW, which is 126% of 4s 58 4 MW substation rating in order to correct these problems, 4 is proposed to establish the North Network Overhead 0004 Are 138-13 2KV 47 0 MVA transformer, four feeder breakers, 1000 ft of reconductor to 3 – 795AAC, 2650 ft of new 3 - 1000 CL cable, 450 It of BE6 duct bank, instati two 600A ABS switches, and perform switching The completion of this project will solve the loading problems on Bryan, East Network Overhead, and Lemmon Avenue Substations	2012 -9 30% 2013 1 53% 2014 -3 05% 2015 3 31% 2016 0 39%	2017 -4 47% 2018 16 29% 2019 1 61% 2020 -1 57% 2021 0 28%	15 MW	2017 21 8 MW 2018 25 7 MW 2019 25 6 MW 2020 24 1 MW 2021 27 5 MW	Industrial Residential	Not Applicable

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021

SPONSORS: W. R. SPEED and J B. NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project <sup>1</sup>	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
17T62041 JOHN DAY SUB ESTABLISH 138- 25 KV	The 2017 projected summer load on Fossil Creek Substation Bank #2 is 47 9 which is 103% of the 45 7 MVA nameplate rating for this transformer I in addition, the 2017 projected summer load on Fossil Creek substation feeder 673; is 30 9 which is 111% of the 27 8 MVA maximum continuous rating for this teeder. Also, the 2017 projected summer load on Wagley Robertson Substation Banks #1 and #2 is 73 7 MVA which is 126% of the 58 4 MVA rating for this substation. Banks #1 and #2 is 73 7 MVA which is 126% of the 58 4 MVA rating for this substation. In order to correct these problems it is proposed to establish John Day Substation with one 47 MVA 138-25 KV transformer and two feeder breakers in addition, it is proposed to install two feeders and transfer 17 MVA from Wagley Robertson substation leader 8412 and transfer 6 0 MVA from Fossil Creek substation feeder 872; the new John Day Substation feeders. Completion to this project will correct the loading problems at Fossil Creek and Wagley Robertson Substations	2012 -2 66% 2013 -16 32% 2014 -4 29% 2015 10 23% 2016 9 11%	2017 138% 2018 735% 2019 514% 2020 127% 2021 -642%	23 MW	2017 0 3 MW 2018 4 0 MW 2019 24 4 MW 2020 28 1 MW 2021: 26 4 MW	Commercial	Not Appficable
17T63013 DEEP CREEK SUB ESTABLISH STATION AS PART OF RELOCATING DIST FROM SNYDER SUB	The 2017 summer projected load on Snyder Substation bank #2 is 22 2 MW which is 111% of this transformer's 20 MVA nameplate rating In addition, the projected load on Snyder Substation is 41 8 MW which is 167% of this station's 25 MVA backstand rating In order to correct these overloads, the original proposal was to install Bank #4 at Snyder Substation with one 138/12 5 KV 47 MVA transformer, two 12 5 KV leeder breakers, two 1000 CU feeder exits, and remove the existing 69/12 5 KV 20 MVA transformer and associated bus work The actual project constructed differed from the recommendation after detailed engineering analysis performed by Oncor's Transmission Engineering group determined that construction of the project as recommended would be loss contoncia and require mobile transformer installation. It was decided to instead, build Deep Creek substation on the adjacent property to avoid a total rebuild of the existing station	2012 175% 2013 115% 2014 028% 2015 227% 2018 -1250%	2017 6 67% 2018 10 09% 2019 3 61% 2020 - 18% 2021 - 6 58%	41 8 MW	2017 32 7 MW 2018 36 0 MW 2019 37 3 MW 2020 36 6 MW 2021 34 2 MW	Commercial Industrial Residential	Not Applicable

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W R SPEED and J B. NICHOLS

Load growth rate in are Load growth rate in Identify Customers if Peak Load projected to dentify types of load the to be served by project area served by project Peak Load served by project was planned to be served by project as project was planned to during each of 5 during each calendar project during each Project Name Portions of Planning Studies that Support Need for Project orecasted by applican erve a limited number o serve calendar years year starting with year vear since project and consistent with (Industrial, Commercial Sustomers with relatively immediately before project initially was initially energized planning study Residential, others) large loads <sup>2</sup> project was energized energized The 2017 winter projected load on Roscoe Substation bank #1 is 11 6 MW which is 124% of this transformer's 9.4 MVA nameplate rating Minimum fault current on feeder 2921 is less than the reach of the breaker settings 2013 19.44% order to correct these overload and reach issue, it is proposed to establish Plowboy 2018 4 40% 2018 0 4 MW 2014 8 14% Commercial 17T63070 -- PLOWBOY SUB ESTABLISH Substation with one 69/12 5 kV 28 MVA transformer and two 12 5 KV feeder breakers. 2019 -11 58% 2019 84 MW 2015 -12 90% 11.6 MW Industnał Not Applicable STATION install approximately 5500 ft of 3-795 KCMIL, 150 ft of 3 4/0 AL, reconductor approximately 2020 -2 38% 2020 8 2 MW 2016 22 22% Residential 8400 ft of existing line with 3-795 KCMIL, install two air-break switches, remove spans 2021 1 47% 2021 8 3 MW 2017 -8.08% across Broadway St and re-feed from feeder that s closer to the load, reconfigure feeders feed from the new substation, and install a 3-phase Nova electronic recloser to address breaker reach The completion of this work will correct the transformer nameplate overload Roscoe Substation The 2017 summer projected load on Bellmead Substation is 50 5 MW which is 144% of this stations 35 MVA backstand rating. In addition, the 2016 summer projected load on Belimear Bank #1 is 29 0 MW which is 104% of the 28 MVA nameplate rating. The 2017/2018 winte projected load on Tradinghouse Substation is 10.3 MW which is 110 % of this stations 9 375 MVA nameplate rating Addrionally, two large industrial customers (Customer L and Customer M) sit at the end of two different feeders on Northcrest Substation with no ackstand capabilities 2017 0 23% 2017 24 MW 2012 -3.63% 2018 16 5 MW 17T64011 -- MCLENNAN CO EAST In order to correct these overloads, it is proposed to establish a new substation on property 2013 -2.06% 2018 12 43% Customer L Industrial SUBSTATION ESTABLISH TRANSFORMER already owned by Oncor under an existing 138 kV line which runs from Elm Mott to Lake 2014 -1 40% 2019 -5 48% 16.8 MW 2019 157 MW Customer M Residential #1 Creek with one 138/12 5 kV 28 MVA transformer and two 12 5 kV feeder breakers 2015 521% 2020 -1 53% 2020 18.9 MW Customer N 2021 18 5 MW 2021 -4 51% 2018 -3.37% Additionally install approximately 16,000 ft of new feeders, reconductor approx 9,400 ft of conductor to 3-795, install various switches, regulators, and reclosers, and perform switchin to transfer 3 3 MW from THSES to new substation and approximately 8.8 MW from BLMED to neighboring substations and the new substation. The completion of this work will solve the overloads at Bellmead and Tradinghouse substations, provide backstand capability to Customer L and Customer M, and provide a future means to serve the load growth potential of the land owned by the Customer N near Customer L The 2017 projected load on Collin SES Substation Transformer #2 and Collin SES Substation is 36 1 MVA and 67.9 MVA respectively which is 129% and 194% of the 28 MVA 2017 48 8 MW 2017 -9.96% meplate rating and 35 0 MVA Backstand rating for this substation 2012 0.98% 17T65037 -- WESTRIDGE SUB ESTABLISH 2013 -4 60% 2018 37 50% 2018 67.1 MW Commercial STATION AS PART OF RELOCATING THE 2014 2 03% 2019 -1177% 67 9 MW 2019 59 2 MW Not Applicable n order to correct this problem, it is proposed to relocate the two transformers (at Industrial Westridge) (47 MVA & 28 MVA) and four feeder breakers at Collim SES Substation with 2 2015 13 43% 2020 8 28% 2020 64 1 MW Residential EXISTING COLLIN SUB 47 MVA 138-24 9 kV transformers and four feeder breakers In addition, it is proposed to 2016 18 86% 2021 -1 70% 2021 63.0 MW elocate the existing four feeder exits with underground 1000 Cu feeder exits. The empletion of this project will correct the loading problems at Collin SES Substation.

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021

SPONSORS' W R SPEED and J. B. NICHOLS

Project Name	Portions of Planning Studies that Support Need for Project *	Load growth rate in area to be served by project during each of 5 calendar years immediately before project was energized	Load growth rate in area served by project during each calendar year starting with year project initially energized	Peak Load projected to be served by project as forecasted by applicant and consistent with planning study	Peak Load served by project during each year since project was initially energized	Identify types of load the project was planned to serve (Industrial, Commercial, Residential, others)	Identify Customers if project was planned to serve a limited number of Customers with relatively large loads <sup>2</sup>
17T65062 FRISCO WEST SUB EST SUB W/ 138-26 4 KV 47 MVA XFMR, TWO FDRS, BUS- TIE	The 2017 projected summer load on Rolater #1, #2, Rolater Substation, and Rolater 2821 is 42 3 MVA, 49 6 MVA, 91 9 MVA, and 29 5 MVA respectively which is 91%, 106%, 157%, and 110% of the 47 MVA ameplate rating, 54 MVA Backstand Rating, and 26 9 MVA maximum continuous rating for this substation and feeder in addition, the 2017 projected summer load on McDermott #1, #2, #3, McDermott Substation, and McDermott 2554 is 35 5 MVA, 41 6 MVA, 41 2 MVA, 118 3 MVA, and 30 6 MVA respectively which is 76%, 88%, 88%, 101%, and 104% of the 47 MVA nameplate rating, 116 8 MVA Backstand Rating, and 29 4 MVA maximum continuous rating for this substation and feeder in addition, the 2017 projected summer load on The Colony ¥1, #2, The Colony Substation, and The Colony 2405 s 41 2 MVA, 54 2 MVA, 95 4 MVA, and 29 7 MVA respectively which is 44%, 58%, 61%, and 110% of the 47 MVA nameplate rating, 117 5 MVA Backstand Rating, and 29 B MVA maximum continuous rating for this substation and feeder. This area is seeing high profile growth related to developments such as the Dallas Cowboys facility. Frisco Station, Wade Park and others In order to correct these problems, it is proposed to build the Frisco Weat Substation, install on ef 7 0 MVA, 138-24 9 KV transformer with two 24 9 KV circuit breakers, a 3-1000 Cu circuit for an estimated 4200 ft (Freeder 42) and transfer doal from exiting circuits using existing switches The completion of this work will resolve the Issue(s) klentified	2012 -7 42% 2013 -0 92% 2014 -5 97% 2015 371% 2016 6 03%	2017 2.09% 2018 4.23% 2019 -4.54% 2020 1.30% 2021 -4.76%	38 5 MW	2017 31 5 MW 2018 38 6 MW 2019 41 4 MW 2020 41 6 MW 2020 41 6 MW 2021 40 7 MW	Commercial Industrial Residentiat	Not Applicable
17T65087 BUFFALO CREEK SUB ESTABLISH 138-25 KV 47 MVA XFMR & 2 FDR BKRS	The 2017 projected summer load on Forney Switch 2025 is 29 4 MVA which is 109% of the feeder capacity of 26 9 MVA in addition, the 2017 projected summer load on Forney Switch Substation is 89 5 MVA which is 153% of the substation rating of 59 4 MVA. Also, the winter projected load is 74 2 MVA which is 127% of the recommended backstand rating of 56 4 MVA in order to correct this problem, it is proposed to establish Rockwall County Buffalo Creek Substation with 1-47 MVA, 138-25 KV, transformer and two 25 KV feeder breakers with 1000 kcmi Cur feeder axis in addition, it is proposed to reconductor 15000 kcmi Cur of if 4/0 and small wre to 3-795 kcmil AAC, Install 4100 ft of 3-785 kcmil AAC, remove and relocate 1200 ft of 3-795 kcmil AAC double-circuit, and transfer load with existing and proposed devices The completion of this project with correct the overload problems on Forney Switch 2025 and the backstand problems at Forney Switch Substation	2012 -2 74% 2013 5 07% 2014 - 0 54% 2015 7 55% 2016 0 13%	2017 -0 25% 2018 7 40% 2019 1 05% 2020 3 01% 2021 0 36%	13 7 MW	2017 14 0 MW 2018 157 MW 2019 15 6 MW 2020 17 1 MW 2021 15 8 MW	Commercial Industrial Residential	Not Appicable

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#### 2022 RATE CASE ONCOR ELECTRIC DELIVERY COMPANY LLC LOAD INFORMATION SUPPORTING NEED FOR CERTAIN PROJECTS FOR TEST YEAR ENDING DECEMBER 31, 2021 SPONSORS W R SPEED and J B NICHOLS

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18T63040 HIGH SKY SUBSTATION ESTABLISH STATION W/ 47MVA TRANSFORMER	Customer B has requested 12.8 MW distribution one-span service by 2020 to an of field near Midland NW Switch In Midland Country Customer B currently has 2 PMEs with a total load of approximately 7 MW that will be combined and 5 5 MW added for the total of 12.8 MW. The requested in-service date is June 1, 2018. The current distribution to this area is served from Mockingbid Feeders 5312 and 5321. Mockingbird 5312 is projected to have a 2019 summer bad of 13.0 MW which 86 % of 16 13.5 MW amaximum continuous rating, and Mockingbird 5321 is projected to have a 2018 summer load of 13.5 MW which is 112.% of the 12.1 KW maximum continuous rating. The distance to this new bad, which is writually all motor bad, from Mockingbird Substation is 54,000 ft or 10.2 miles A study of the Distribution system has determined that an acceptable motor slarting capacity cannot be provided at this requested point of servoe due to the distance. An acceptable voltage level cannot be mantained over this distance, and coordination is not possible due to extremely low available (auti currents in order to serve the Customer B load; it is proposed to install Hwy 158 Substation (now known as High Sky Sub) with 1-47.0 MVA 138-24.9 kV substation transformer and two 24.9 KV fielder breakters. The new station will be located west of the new Midland NW. Switching Station approximately 1000 It us 18 anticeptable that Customer B will request a substation rate PME at the new substation, however Distribution Planning recommends that two of the new feeders be teld existing distribution in the area by installing 4.200 It 3-785. KCMIL AAAC, reconductoring 3,600 It of 3-81/0 ACSR with 3-785 KCMIL AAAC. The wing pages approximality 1000 It of 3-821.9 million page regulators, Installing 6-321 amp voltage regulators, removing 3-218 amp voltage regulators, Installing 6-900 mm pABSs, removing one recloser, transferring bad from Mockingbird 5312 and 5321 to the new feeders. Completion of this work will provide serve to the Customer B Oil F	2013 24 20% 2014 -0 64% 2015 -9 48% 2016 30 00% 2017 -15 02%	2018 -2 80% 2019 37 25% 2020 -4 20% 2021 -9 16%	21 2 MW	2018 1 8 MW 2019 1 9 MW 2020 2 5 MW 2021 2 6 MW	Commercial Industrial Residential	Customer B

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