

2022 Rate Case
Oncor Electric Delivery Company LLC
III-A Summary of Wholesale Transmission Cost of Service
For the Test Year Ending December 31, 2021
Sponsor: W. Alan Ledbetter

Please reference schedules, including workpapers, shown in column Reference Schedule (b) on Schedule III-A.

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service
As of December 31, 2021
Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	Description	Balance Approved per Rate Case Final Order
1	Operation & Maintenance	\$ 243,393,420
2	Depreciation and Amortization	375,312,661
3	Taxes Other Than Income Taxes	150,292,758
4	Federal Income Taxes	82,799,350
5	Return on Rate Base	636,401,499
6	Total Revenue Requirement	1,488,199,688
7	Other Revenues	(43,023,335)
8	Total	\$ 1,445,176,353
9	ERCOT Average 4 CP (MW)	72,490.3253
10	Wholesale Rate \$/MW	\$ 19,936.127317

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service
Rate Base

As of December 31, 2021

Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	Description	Balance Approved per Rate Case Final Order
	Direct Assigned:	
	FERC Accounts (350 - 362)	
1	Original Plant In Service	\$ 13,341,909,469
2	(Accumulated Depreciation)	(3,233,219,867)
3	Net Plant In Service	10,108,689,602
4	Allocated Plant Accounts - Net *	395,055,482
5	Working Capital *	(56,535,862)
6	Plant Held for Future Use *	21,469,068
7	Regulatory Assets *	66,321,073
8	Other *	(1,508,027,749)
9	Subtotal	(1,081,717,988)
10	Total Rate Base	\$ 9,026,971,614
11	Rate of Return	7.05%
12	Return On Rate Base	\$ 636,401,499
	* Same as last TCOS	

Notes: Line 8, "Other" includes Inventory, Prepayments, Electric Plant Acquisition Adjustment, ADFIT and Excess Deferred Tax Regulatory Liabilities Related to the Tax Cuts and Jobs Act.

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service
Transmission Plant
As of December 31, 2021
Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	Acct. No.	Account Description	Schedule / Workpaper Reference	Balance Approved per Rate Case Final Order
		Transmission Plant		
1	A350	Land and Land Rights		\$ 731,832,733
2a	A352	Structures and Improvements - Base		397,934,616
2b	A352	Structures and Improvements - DC Tie		1,686,569
2c	A352	Structures and Improvements - SVC		20,424,706
3a	A353	Station Equipment - Base		3,176,809,749
3b	A353	Station Equipment - DC Tie		30,852,549
3c	A353	Station Equipment - SVC		287,636,130
4	A354	Towers and Fixtures		1,929,652,755
5	A355	Poles and Fixtures		2,870,770,311
6	A356	O. H. Conductors & Devices		3,044,581,320
7	A357	Underground Conduit		60,197,135
8	A358	Underground Conductors		84,097,343
9	A359	Roads and Trails		0
10		Total Transmission Plant		12,636,475,916
		Distribution Plant		
11	A360	Land and Land Rights (above 60 kV)		25,961,253
12	A361	Structures and Improvements (above 60 kV)		69,201,900
13	A362	Station Equipment (above 60 kV)		610,270,400
14		Total Distribution Plant		705,433,553
15		Total Transmission Plant in Service - Gross	Schedule B	\$ 13,341,909,469

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service
Accumulated Depreciation
As of December 31, 2021
Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	Acct. No.	Account Description	Schedule / Workpaper Reference	Balance Approved per Rate Case Final Order
		Accumulated Depreciation		
		Transmission Plant		
1	A350	Land and Land Rights		\$ 106,785,501
2a	A352	Structures and Improvements - Base		122,655,025
2b	A352	Structures and Improvements - DC Tie		1,004,480
2c	A352	Structures and Improvements - SVC		4,397,608
3a	A353	Station Equipment - Base		604,991,321
3b	A353	Station Equipment - DC Tie		19,952,247
3c	A353	Station Equipment - SVC		68,102,907
4	A354	Towers and Fixtures		467,580,047
5	A355	Poles and Fixtures		664,853,703
6	A356	O. H. conductors & Devices		978,999,051
7	A357	Underground Conduit		19,336,448
8	A358	Underground Conductors		33,548,402
9	A359	Roads and Trails		-
10		Total Transmission Plant		3,092,206,740
		Distribution Plant		
11	A360	Land and Land Rights (above 60 kV)		238,775
12	A361	Structures and Improvements (above 60 kV)		18,051,484
13	A362	Station Equipment (above 60 kV)		122,722,868
14		Total Distribution Plant		141,013,127
15		Total Transmission Accumulated Depreciation	Schedule B	\$ 3,233,219,867

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service

Depreciation Expense

As of December 31, 2021

Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	Acct. No.	Account Description	Schedule / Workpaper Reference	Balance Approved per Rate Case Final Order	Depreciation % used in last TCOS
Direct Assigned:					
FERC Accounts (350 - 362)					
Transmission Plant					
1	A350	Land and Land Rights		\$ 6,022,981	0.98%
2a	A352	Structures and Improvements - Base		10,561,090	2.65%
2b	A352	Structures and Improvements - DC Tie		42,946	2.55%
2c	A352	Structures and Improvements - SVC		1,099,391	5.38%
3a	A353	Station Equipment - Base		71,504,686	2.25%
3b	A353	Station Equipment - DC Tie		865,433	2.81%
3c	A353	Station Equipment - SVC		10,679,072	3.71%
4	A354	Towers and Fixtures		37,740,833	1.96%
5	A355	Poles and Fixtures		89,864,312	3.13%
6	A356	O. H. conductors & Devices		82,695,046	2.72%
7	A357	Underground Conduit		1,056,605	1.76%
8	A358	Underground Conductors		1,915,431	2.28%
9	A359	Roads and Trails		0	
10		Total Transmission Plant		314,047,826	
Distribution Plant					
11	A360	Land and Land Rights (above 60 kV)		18,273	1.38%
12	A361	Structures and Improvements (above 60 kV)		1,442,476	2.08%
13	A362	Station Equipment (above 60 kV)		12,741,264	2.09%
14		Total Distribution Plant		14,202,013	
15		Total Direct Assigned		328,249,839	
16		Allocated Expense Accounts - Net		47,062,822	Various
17		Total Transmission Depreciation Expense	Schedule A	\$ 375,312,661	

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service
Taxes Other Than Federal Income Tax
As of December 31, 2021
Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	FERC Account	Account Description	Schedule / Workpaper Reference	Balance Approved per Rate Case Final Order
		Taxes Other Than Income Taxes:		
		Non-Revenue Related		
1		Ad Valorem Taxes		\$ 141,317,044
2		Payroll Taxes		3,928,542
		Revenue Related Taxes		
3		Texas Margin Tax		5,047,172
4		Total Taxes Other Than FIT Taxes	Schedule A	\$ 150,292,758

ONCOR ELECTRIC DELIVERY COMPANY LLC
Baseline of Wholesale Transmission Cost of Service
Federal Income Tax
As of December 31, 2021
Sponsors: W. Alan Ledbetter and Matthew A. Troxle

Line No.	Account Description	Schedule / Workpaper Reference	Balance Approved per Rate Case Final Order
	Federal Income Tax:		
1	Return on Rate Base	Schedule B	\$ 636,401,499
	Deduct:		
2	Synchronized Interest Included In Return		217,550,016
3	ITC Amortization		580,487
4a	Amort of Protected Excess DFIT		8,494,637
4b	Amort of Unprotected Excess DFIT		13,164,048
4c	Amort of Excess ADFIT Reserve		43,509
5	Other		261,924
	Add:		
6	Depreciation Addback		130,507
7	Meals, Commuter Expense, Empl Comp Plans		(739,894)
8	Taxable Component of Return		395,697,491
9	Tax Factor (1/1 - .35)(.35)		26.5822785%
9	Tax Factor (1/1 - .21)(.21)		
10	Federal Income Taxes Before Adjustments		105,185,409
	Deduct:		
11	ITC Amortization		580,487
11a	Amort of Protected Excess DFIT		8,494,637
12	Amort of Unprotected Excess DFIT		13,164,048
13	Amort of Excess ADFIT Reserve		43,509
14	R&D Tax Credit		233,886
	Add:		
15	Depreciation Differences		130,507
16	Total Federal Income Tax	Schedule A	\$ 82,799,350

Recap of Amortization of Excess DFIT

Amort of Protected Excess DFIT	8,494,637
Amort of Unprotected Excess DFIT	13,164,048
Amort of Excess ADFIT Reserve	43,509
Total Amortization of Excess DFIT	21,702,194

2022 Rate Case
Oncor Electric Delivery Company LLC
III-A-1 Summary of Total Cost of Service by Function
For the Test Year Ending December 31, 2021
Sponsor: W. Alan Ledbetter

Please reference schedules, including workpapers, shown in column Reference Schedule (b) on Schedule III-A-1.

2022 Rate Case
Oncor Electric Delivery Company LLC
III-B Rate Base by Function
For the Test Year Ending December 31, 2021
Sponsor: W. Alan Ledbetter

Please reference schedules, including workpapers, shown in column Reference Schedule (b) on Schedule III-B.

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
REVENUE SUMMARY
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

There are no supporting workpapers for Schedule IV-J-1.

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

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SPONSOR: MATTHEW A. TROXLE

	<u>Unadjusted</u>	<u>Adjusted *</u>	<u>Adjustment Amount</u>	<u>Proposed</u>
<u>Customer Related Discretionary Service Revenue</u>				
Customer Premise Information Research	\$ 634.00	\$ 634.00	\$ -	\$ 634.00
Inadvertant Gain	628,438.20	628,438.20	-	637,252.20
Total Customer Related Discretionary Service Revenue	\$ 629,072.20	\$ 629,072.20	\$ -	\$ 637,886.20
<u>Distribution Related Discretionary Service Revenue</u>				
Delivery System Facilities Relocation/Removal Study	\$ -	\$ -	\$ -	\$ -
Delivery System Facilities Relocation/Removal	51,859.16	51,859.16	-	51,859.16
Emergency Restoration Service	-	-	-	-
Delivery System Facilities Installation	-	-	-	-
Additional Service Design	-	-	-	-
Temporary Facilities	7,294,456	7,294,456.10	-	8,871,931.05
PCB Inquiry and Testing	1,708.65	1,708.65	-	2,103.75
Unmetered Facilities Connection/Disconnection	4,080.70	4,034.80	(45.90)	4,566.35
Denial of Access Disconnection/Reconnection	1,132.60	1,071.35	(61.25)	1,482.05
Power Factor Correction Equipment Installation	-	-	-	-
Non-Standard Equipment Inspection/Testing	543,712.60	543,712.60	-	664,021.00
Miscellaneous Discretionary Service	918.48	918.48	-	918.48
Street Light Painting	-	-	-	-
Street Light and Other Pole Straightening	-	-	-	-
Street Light Patrolling	-	-	-	-
Street Light Numbering	-	-	-	-
Street Light Circuit Bulb and Photocell Replacement	-	-	-	-
Distributed Generation Pre-Interconnection Study	183,435.15	183,435.15	-	277,032.40
Customer Requested Clearance	3,120,875.05	3,052,122.05	(68,753.00)	3,052,122.05
Service Call	-	-	-	-
Security Light Repair	-	-	-	-
Security Light Removal	-	-	-	-
Street Light Removal	-	-	-	-
Denial of Access to Company's Delivery System	-	-	-	-
Distribution Related Discretionary Service Revenue Captured in Construction Revenue	58,535.50	58,535.50	-	-
Total Distribution Related Discretionary Service Revenue	\$ 11,260,713.99	\$ 11,191,853.84	\$ (68,860.15)	\$ 12,926,036.29

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

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SPONSOR: MATTHEW A. TROXLE

	<u>Unadjusted</u>	<u>Adjusted *</u>	<u>Adjustment Amount</u>	<u>Proposed</u>
<u>Metering Related Discretionary Service Revenue</u>				
Competitive Meter Removal/Installation	\$ -	\$ -	\$ -	\$ -
Competitive Meter Physical Access Equipment Installation	-	-	-	-
Holiday Move-In	1,376.40	1,376.40	-	1,593.75
Out-of-Cycle Meter Reading	1.80	1.80	-	2.10
Priority Move-In (New Premise)	3,428,113.13	3,428,113.13	-	4,021,234.40
Off-Site Meter Reading Equipment Installation - Outside Norma	-	-	-	-
Meter Investigation	98.50	98.50	-	100.50
Meter Non-Standard Programming	-	-	-	-
Meter Communication	2,941.70	2,941.70	-	3,216.55
Electrical Pulse Equipment Installation/Replacement	4,150.35	4,150.35	-	4,418.85
Electrical Pulse Equipment Maintenance	1,359.60	1,359.60	-	1,419.00
Retail Delivery Service Switchover	16,319.70	16,319.70	-	20,629.20
Evaluation for Non-Standard AMS	-	-	-	-
Cost Differential for Non-Standard AMS	5,121.72	2,034.84	(3,086.88)	2,034.84
Standard Move-In	2,774,874.60	2,720,017.90	(54,856.70)	2,668,754.05
Priority Move-In	482,040.10	454,584.30	(27,455.80)	484,211.90
Move-Out	18,314.30	18,314.30	-	-
Disconnect for Non-Pay (DNP)	554,722.50	537,523.10	(17,199.40)	526,891.05
Reconnect After DNP	432,089.05	413,329.30	(18,759.75)	546,166.10
Meter Test	12,803.00	12,803.00	-	12,990.10
Re-Reads	-	-	-	-
Out-of-Cycle Meter Read for the Purpose of a Switch	107,807.95	107,765.85	(42.10)	134,625.80
Non-Standard Metering Monthly Fee	110,404.75	110,404.75	-	115,737.50
Tampering	423,756.95	269,145.26	(154,611.69)	269,145.26
Broken Meter Seal	87,614.95	87,614.95	-	91,410.00
Inaccessible Meter	-	-	-	-
Evaluation of REP Request for non-standard AMR	-	-	-	-
Cost Differential for Non-Standard AMR	-	-	-	-
Metering Related Discretionary Service Revenue Captured in Construction Revenue	\$ 44,159.36	44,159.36	-	-
Total Metering Related Discretionary Service Revenue	\$ 8,508,070.41	\$ 8,232,058.09	\$ (276,012.32)	\$ 8,904,580.95
TOTAL DISCRETIONARY SERVICE CHARGES	\$ 20,397,856.60	\$ 20,052,984.13	\$ (344,872.47)	\$ 22,468,503.44

* Remove all equipment related costs in charges that are "As Calculated".

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

SPONSOR: MATTHEW A TROXLE

LABOR LOADING RATES

Benefits	20 17%
Pension	0 00%
OPEBs	0 00%
Payroll Tax	7 65%
PTO Loading	17 50% Used for Distribution only.

MEASUREMENT SERVICES

Job Classification	Monthly Average Job Value	Base Hourly Rate	Loaded Hourly Rate	Hourly Overtime Rate 1.5	Hourly Overtime Rate 2.0	Transportation	Veh Desc	Salary	Average Monthly
Field Service Rep	\$ 4,631	\$ 26.73	\$ 34.17	\$ 43.16	\$ 57.55	\$ 6.00	1/2 ton	55,578	4,631
Hold Que Rep	\$ 4,783	\$ 27.60	\$ 35.28	\$ 44.57	\$ 59.42			57,400	4,783
Meter Analyst Sr	\$ 8,242	\$ 47.56	\$ 60.79	\$ 76.80	\$ 102.40			98,900	8,242
Meter Repair Tech Sr	\$ 7,611	\$ 43.92	\$ 56.14	\$ 70.92	\$ 94.56			91,331	7,611
Meter Technician	\$ 6,270	\$ 36.18	\$ 46.25	\$ 58.42	\$ 77.90	\$ 6.00	1/2 ton	75,239	6,270
T&D Meter Tech	\$ 6,902	\$ 39.83	\$ 50.91	\$ 64.32	\$ 85.75	\$ 6.00	1/2 ton	82,827	6,902
T&D Meter Tech Sr.	\$ 8,400	\$ 48.47	\$ 61.95	\$ 78.27	\$ 104.36	\$ 11.00	3/4 ton	100,802	8,400
Revenue Security Rep	\$ 4,719	\$ 27.23	\$ 34.81	\$ 43.97	\$ 58.63	\$ 6.00	1/2 ton	56,627	4,719
Data Analyst II	\$ 6,567	\$ 37.89	\$ 48.43	\$ 61.18	\$ 81.58			78,800	6,567
System Service Rep Sr	\$ 5,714	\$ 32.97	\$ 42.14	\$ 53.24	\$ 70.98	\$ 26.00	Small Bucket Truck	68,568	5,714
Broken Meter Seal Average*	\$ 5,568	\$ 32.13	\$ 41.07	\$ 51.88	\$ 69.17	\$ 12.67			

* Broken meter seals are normally replaced by a Field Service Rep, however, approximately 20% are replaced by Meter Technicians, Revenue Security Reps and System Service Rep Sr

DISTRIBUTION

Job Classification	Monthly Average Job Value	Base Hourly Rate	Loaded Hourly Rate	Hourly Overtime Rate 1.5	Hourly Overtime Rate 2.0	Transportation	Veh Desc	Salary	Average Monthly
Serviceman	\$ 7,784	\$ 44.92	\$ 65.28	\$ 72.53	\$ 96.71	\$ 26.00	Small Bucket	93,408	7,784
DOT	\$ 8,545	\$ 49.31	\$ 71.66	\$ 79.62	\$ 106.16	\$ 26.00	Small Bucket	102,540	8,545
Dispatcher	\$ 8,192	\$ 47.27	\$ 68.69	\$ 76.33	\$ 101.77			98,304	8,192
Clerical	\$ 4,202	\$ 24.25	\$ 35.24	\$ 39.16	\$ 52.21			50,424	4,202
FCC	\$ 8,328	\$ 48.06	\$ 69.84	\$ 77.60	\$ 103.47	\$ 6.00	1/2 Ton pickup	99,936	8,328
3-Man Crew	\$ 23,671	\$ 136.59	\$ 198.49	\$ 220.56	\$ 294.08	\$ 54.00	Large Bucket, trailer, 3/4 Ton pickup	284,052	23,671
Designer	\$ 6,220	\$ 35.89	\$ 52.16	\$ 57.95	\$ 77.27	\$ 6.00	1/2 Ton pickup	74,640	6,220

OTHER

Job Classification	Monthly Average Job Value	Base Hourly Rate	Loaded Hourly Rate	Hourly Overtime Rate 1.5	Hourly Overtime Rate 2.0	Transportation	Veh Desc	Salary	Average Monthly
Revenue Management Specialist	\$ 5,908	\$ 34.09	\$ 43.57	\$ 55.05	\$ 73.40			70,900	5,908
Market Trak Specialist	\$ 5,908	\$ 34.09	\$ 43.57	\$ 55.05	\$ 73.40			70,900	5,908
Market Ops Specialist, Sr	\$ 7,342	\$ 42.36	\$ 54.14	\$ 68.40	\$ 91.20			88,100	7,342

ENGINEERING

Job Classification	Monthly Average Job Value	Base Hourly Rate	Loaded Hourly Rate	Hourly Overtime Rate 1.5	Hourly Overtime Rate 2.0	Transportation	Veh Desc	Salary	Average Monthly
Sr. Engineer - Distribution Planning	\$ 10,317	\$ 59.53	\$ 76.09	\$ 96.13	\$ 128.17			123,800	10,317
Sr. Engineer - System Protection	\$ 10,317	\$ 59.53	\$ 76.09	\$ 96.13	\$ 128.17			123,800	10,317
Sr. Engineer - Distribution Major Design	\$ 10,317	\$ 59.53	\$ 76.09	\$ 96.13	\$ 128.17			123,800	10,317
Sr Engineer - Transmission Engineer	\$ 10,317	\$ 59.53	\$ 76.09	\$ 96.13	\$ 128.17			123,800	10,317
Staff Engineer - Asset Planning	\$ 9,225	\$ 53.23	\$ 68.04	\$ 85.95	\$ 114.60			110,700	9,225
Sr Engineer - Metering	\$ 10,317	\$ 59.53	\$ 76.09	\$ 96.13	\$ 128.17			123,800	10,317

TRANSPORTATION RATES

Small Bucket Truck	\$ 26.00
Large Bucket Truck	41.00
Trailer	2.00
1/2 Ton Truck	6.00
3/4 Ton Truck	11.00

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

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SPONSOR: MATTHEW A. TROXLE

Non-Communication Cost

Non-Communication Dispatch

	<u>Rate</u>	<u>Hours</u>	<u>Cost</u>
Dispatcher	\$ 68.69	1321	\$ 90,739.49
Data Analyst II	\$ 48.43	2080	\$ 100,734.40

Total AMS Orders	3,589,583
Sent to Dispatch	44,037

TOTAL COST	\$ 191,473.89
Cost per Service Order	\$ 0.05

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

SPONSOR: MATTHEW A. TROXLE

There are no supporting workpapers for Schedule IV-J-3.

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

SPONSOR: D. E. NELSON

There are no supporting workpapers for Schedule IV-J-4A.

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY
LOAD RESEARCH DATA
FOR THE TEST YEAR ENDING DECEMBER 31, 2021
SPONSOR: D. E. NELSON

There are no supporting workpapers for Schedule IV-J-4B

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

SPONSOR: D. E. NELSON

There are no supporting workpapers for Schedule IV-J-4C.

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

LINE NO.	RATE CLASS	BILLED KW* DISTRIBUTION (a)	BILLED KW ADJUSTMENTS			ADJUSTED BILLED KW DISTRIBUTION (e)
			CUSTOMER DISTRIBUTION (b)	WEATHER DISTRIBUTION (c)	ANNUALIZATION/ OTHER (d)	
1	Residential**	266,729,776	2,139,088	5,506,766	0	274,375,630
2						
3	Secondary Service					
4	10 kW and Below**	8,152,793	105,442	87,998	0	8,346,232
5	Greater than 10 kW					
6	Non-IDR	106,572,103	521,729	907,921	385,773	108,387,525
7	IDR	45,317,810	742,258	399,191	(97,900)	46,361,359
8	Total Sec > 10	151,889,913	1,263,986	1,307,112	287,872	154,748,884
9						
10	Primary Service					
11	10 kW and Below**	94,194	1,248	0	0	95,442
12	Greater than 10 kW					
13	Non-IDR Distribution Line	5,998,050	(33,718)	18,743	243,706	6,226,781
14	IDR					
15	Distribution Line	32,190,286	892,768	109,256	50,373	33,242,683
16	Substation	11,731,181	454,171	23,133	99,420	12,307,905
17	Total Prim > 10	49,919,517	1,313,222	151,133	393,498	51,777,369
18						
19	Transmission	42,435,558	786,243	0	(96,528)	43,125,273
20						
21	Lighting					
22	SL (Unmetered)	-	-	-	-	-
23	SL (Metered/Non-Co)	-	-	-	-	-
24	SL (Metered/Co)	-	-	-	-	-
25	Outdoor	-	-	-	-	-
26	Total Lighting	-	-	-	-	-
27						
28	Wholesale Service***					
29	Substation	1,422,494	45,042	0	111,820	1,579,356
30	Distribution Line	1,650,377	67,923	0	102,839	1,821,139
31						
32	NTU XFMR***	11,281,956	0	0	39,984	11,321,940
33						
34	TOTAL	533,576,578	5,722,193	7,053,009	839,486	547,191,265

*Power Factor Adjusted - excludes wholesale

**See WP/II-H-4.1, pages 1-3. These classes are not power factor adjusted.

***Not power factor adjusted

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

POWER FACTOR ADJUSTMENTS

SECONDARY SERVICE > 10 - NON-IDR

		<u>DISTRIBUTION</u>						
LINE NO.	DATE	(a) Distribution Billing Units kW	(b) Power Factor Billing Units kW	(c) (a)-(b) Distribution Billing Units Excluding Power Factor kW	(d) Power Factor Multipliers Actual	(e) Including Power Factor Improvement	(f) [((e)-1)/((d)-1)-1]*(b) Improvement Adjustment Billed kW	(g) (b)+(f) Adjusted Billed kW
1	Jan 21	8,691,091	118,777	8,572,314	1.05349	1.03289	(45,743)	73,034
2	Feb	8,889,756	114,762	8,774,994	1.05060	1.03289	(40,167)	74,595
3	Mar	9,139,154	122,650	9,016,504	1.05295	1.03289	(46,466)	76,184
4	Apr	8,724,731	146,051	8,578,680	1.06550	1.03289	(72,713)	73,338
5	May	8,854,013	162,356	8,691,657	1.07229	1.03289	(88,488)	73,868
6	Jun	9,180,235	183,961	8,996,274	1.07962	1.03289	(107,969)	75,992
7	Jul	9,385,499	201,569	9,183,930	1.08459	1.03289	(123,196)	78,373
8	Aug	9,467,434	201,753	9,265,681	1.08224	1.03289	(121,067)	80,686
9	Sep	9,538,563	192,415	9,346,148	1.07628	1.03289	(109,451)	82,964
10	Oct	9,115,445	188,574	8,926,871	1.07691	1.03289	(107,932)	80,642
11	Nov	8,822,210	176,618	8,645,592	1.07520	1.03289	(99,371)	77,247
12	Dec	8,722,898	149,440	8,573,458	1.06412	1.03289	(72,786)	76,654
13		108,531,029	1,958,926	106,572,103			(1,035,348)	923,578
14								
15		(h)						
16		REP Switch/Other						
17		Adjustments						
18	Date	kW						
19								
20	Jan 21	(19,732)						
21	Feb	(17,237)						
22	Mar	40,907						
23	Apr	(127,081)						
24	May	(32,084)						
25	Jun	(59,149)						
26	Jul	(42,737)						
27	Aug	(23,488)						
28	Sep	2,837						
29	Oct	(6,315)						
30	Nov	(37,420)						
31	Dec	(37,188)						
32		(358,687)						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

CUSTOMER AND WEATHER ADJUSTMENTS

SECONDARY SERVICE > 10 - NON-IDR

DISTRIBUTION

Line No.	Date	Customers (a)	Distribution Billed kW* (b)	kWh (c)	kWh to kW Ratio (d)=(c)/(b)	Customer		Weather	
						kWh Adjustment (e)	kW Adjustment (f)=(e)/(d)	kWh Adjustment (g)	kW Adjustment (h)=(g)/(d)
1	Jan 21	195,067	8,552,582	1,998,993,921	233.729875	31,511,769	134,821	27,669,352	118,382
2	Feb	195,641	8,757,757	1,977,503,676	225.800245	25,279,654	111,956	313,853	1,390
3	Mar	196,641	9,057,411	2,201,181,387	243.025450	16,802,057	69,137	(107,191,334)	(441,070)
4	Apr	196,661	8,451,599	1,800,792,498	213.071219	13,561,274	63,647	28,148,997	132,111
5	May	197,010	8,659,573	2,029,244,473	234.335397	11,659,838	49,757	66,438,897	283,521
6	Jun	197,289	8,937,125	2,281,615,721	255.296387	9,864,809	38,641	118,972,530	466,017
7	Jul	197,702	9,141,193	2,773,542,025	303.411385	6,172,717	20,344	44,002,738	145,027
8	Aug	198,092	9,242,193	2,813,879,859	304.460192	710,246	2,333	83,323,973	273,678
9	Sep	197,946	9,348,985	2,861,233,955	306.047550	2,833,105	9,257	(5,843,242)	(19,093)
10	Oct	197,922	8,920,556	2,450,797,322	274.735938	2,724,181	9,916	(30,903,232)	(112,483)
11	Nov	197,868	8,608,172	2,065,732,092	239.973376	2,860,546	11,920	(24,731,078)	(103,058)
12	Dec	198,142	8,536,270	1,930,751,950	226.182156	0	0	36,980,866	163,500
13		2,365,981	106,213,416	27,185,268,879		123,980,196	521,729	237,182,320	907,921
14									

*Page 2 col (c) + column (h)

PUC DOCKET NO
ONCOR ELECTRIC DELIVERY COMPANY
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

POWER FACTOR ADJUSTMENTS

SECONDARY SERVICE > 10 - IDR

DISTRIBUTION

Line No.	Date	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Distribution Billing Units kW	Power Factor Billing Units kW	(a)-(b) Distribution Billing Units Excluding Power Factor kW	Power Factor Multipliers Actual	Including Power Factor Improvement	(((e)-1)/((d)-1))* (b) Power Factor Improvement Billed kW	(b)+(f) Adjusted Billed kW
1	Jan 21	3,837,011	158,246	3,678,765	1.04283	1.02717	(57,860)	100,386
2	Feb	3,823,361	149,250	3,674,111	1.04003	1.02717	(47,948)	101,302
3	Mar	3,775,621	153,779	3,621,842	1.04093	1.02717	(51,698)	102,081
4	Apr	3,910,297	176,924	3,733,373	1.04861	1.02717	(78,034)	98,890
5	May	3,852,985	189,940	3,663,045	1.05162	1.02717	(89,966)	99,974
6	Jun	3,955,959	211,831	3,744,128	1.05619	1.02717	(109,403)	102,428
7	Jul	4,196,418	228,853	3,967,565	1.05915	1.02717	(123,732)	105,121
8	Aug	4,133,519	229,022	3,904,497	1.05856	1.02717	(122,763)	106,259
9	Sep	4,160,258	221,188	3,939,070	1.05596	1.02717	(113,796)	107,392
10	Oct	4,042,223	220,763	3,821,460	1.05730	1.02717	(116,084)	104,679
11	Nov	3,997,051	203,275	3,793,776	1.05435	1.02717	(101,656)	101,619
12	Dec	3,954,684	178,506	3,776,178	1.04840	1.02717	(78,299)	100,207
13		47,639,387	2,321,577	45,317,810			(1,091,238)	1,230,339
14								
15		(h)						
16		REP Switch/Other						
17		Adjustments						
18	Date	kW						
19								
20	Jan 21	(10,614)						
21	Feb	2,538						
22	Mar	22,965						
23	Apr	(39,602)						
24	May	(10,792)						
25	Jun	(11,219)						
26	Jul	(17,002)						
27	Aug	796						
28	Sep	(3,228)						
29	Oct	7,897						
30	Nov	12,582						
31	Dec	(19,066)						
32		(64,745)						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

CUSTOMER AND WEATHER ADJUSTMENTS

SECONDARY SERVICE > 10 - IDR

DISTRIBUTION

Line No.	Date	Customers	Distribution	kWh	kWh to kW	Customer		Weather	
			Billed kW*		Ratio	kWh Adjustment	kW Adjustment	kWh Adjustment	kW Adjustment
		(a)	(b)	(c)	(d)=(c)/(b)	(e)	(f)=(e)/(d)	(g)	(h)=(g)/(d)
1	Jan 21	5,289	3,668,151	1,351,918,368	368.555811	40,130,683	108,886	18,969,213	51,469
2	Feb	5,291	3,676,649	1,326,371,430	360.755522	38,856,090	107,708	213,943	593
3	Mar	5,289	3,644,807	1,339,560,309	367.525718	39,763,844	108,193	(66,660,369)	(181,376)
4	Apr	5,290	3,693,771	1,346,806,153	364.615498	39,716,779	108,928	21,511,367	58,997
5	May	5,309	3,652,253	1,406,273,540	385.042750	36,289,221	94,247	46,960,692	121,962
6	Jun	5,371	3,732,909	1,462,016,083	391.655967	20,415,417	52,126	76,967,106	196,517
7	Jul	5,367	3,950,563	1,695,733,062	429.238329	24,960,483	58,151	27,238,488	63,458
8	Aug	5,364	3,905,293	1,697,138,007	434.573797	25,944,317	59,701	51,010,648	117,381
9	Sep	5,374	3,935,842	1,692,406,091	429.998483	22,674,588	52,732	(3,499,091)	(8,137)
10	Oct	5,455	3,829,357	1,554,722,199	406.000851	(2,565,078)	(6,318)	(19,550,133)	(48,153)
11	Nov	5,449	3,806,358	1,463,865,882	384.584393	(805,946)	(2,096)	(17,491,626)	(45,482)
12	Dec	5,446	3,757,112	1,408,196,282	374.808172	0	0	26,972,040	71,962
13		64,294	45,253,065	17,745,007,406		285,380,399	742,258	162,642,277	399,191
14									

*Page 4 column (c) + column (h)

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR. D. E NELSON

POWER FACTOR ADJUSTMENTS

PRIMARY SERVICE > 10 - NON-IDR - DISTRIBUTION LINE

<u>DISTRIBUTION</u>								
Line No.	Date	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Distribution Billing Units kW	Power Factor Billing Units kW	(a)-(b) Distribution Billing Units Excluding Power Factor kW	Power Factor Multipliers Actual	Including Power Factor Improvement	(((e)-1)/((d)-1)-1)*(b) Power Factor Improvement Adjustment Billed kW	(b)+(f) Adjusted Billed kW
1	Jan 21	501,888	28,348	473,540	1.13905	1.05145	(17,859)	10,489
2	Feb	499,570	27,984	471,586	1.13349	1.05145	(17,198)	10,786
3	Mar	499,937	28,596	471,341	1.13511	1.05145	(17,707)	10,889
4	Apr	511,625	26,673	484,952	1.12966	1.05145	(16,089)	10,584
5	May	543,995	26,871	517,124	1.12689	1.05145	(15,976)	10,895
6	Jun	545,454	27,632	517,822	1.12731	1.05145	(16,465)	11,167
7	Jul	492,268	28,034	464,234	1.12872	1.05145	(16,829)	11,205
8	Aug	473,610	28,047	445,563	1.11973	1.05145	(15,995)	12,052
9	Sep	553,280	28,954	524,326	1.11686	1.05145	(16,206)	12,748
10	Oct	675,977	30,906	645,071	1.11531	1.05145	(17,116)	13,790
11	Nov	514,341	30,843	483,498	1.10926	1.05145	(16,319)	14,524
12	Dec	529,526	30,533	498,993	1.09803	1.05145	(14,508)	16,025
13		<u>6,341,471</u>	<u>343,421</u>	<u>5,998,050</u>			<u>(198,267)</u>	<u>145,154</u>
14								
15		(h)						
16		REP Switch/Other						
17		Adjustments						
18	Date	<u>kW</u>						
19								
20	Jan 21	(1,079)						
21	Feb	(446)						
22	Mar	1,033						
23	Apr	(2,250)						
24	May	(1,450)						
25	Jun	(494)						
26	Jul	(1,880)						
27	Aug	2,026						
28	Sep	(5,398)						
29	Oct	(13,728)						
30	Nov	313						
31	Dec	<u>(2,907)</u>						
		(26,260)						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

CUSTOMER AND WEATHER ADJUSTMENTS

PRIMARY SERVICE > 10 - NON-IDR - DISTRIBUTION LINE

DISTRIBUTION

Line No.	Date	Customers (a)	Distribution		kWh to kW Ratio (d)=(c)/(b)	Customer		Weather	
			Billed kW* (b)	kWh (c)		kWh Adjustment (e)	kW Adjustment (f)=(e)/(d)	kWh Adjustment (g)	kW Adjustment (h)=(g)/(d)
1	Jan 21	5,712	472,461	142,162,335	300.897503	(3,783,031)	(12,572)	142,823	475
2	Feb	5,688	471,140	136,104,227	288.882767	(3,062,824)	(10,602)	111,467	386
3	Mar	5,669	472,374	125,450,911	265.575394	(2,412,092)	(9,083)	217,629	819
4	Apr	5,641	482,702	146,049,568	302.566735	(2,097,149)	(6,931)	333,618	1,103
5	May	5,598	515,674	168,470,619	326.699851	(1,143,602)	(3,500)	1,603,937	4,910
6	Jun	5,545	517,328	176,125,535	340.452353	476,444	1,399	2,189,642	6,432
7	Jul	5,545	462,354	182,621,139	394.981203	494,016	1,251	1,394,652	3,531
8	Aug	5,534	447,589	112,099,971	250.452918	526,671	2,103	1,403,704	5,605
9	Sep	5,544	518,928	170,101,246	327.793540	490,913	1,498	183,102	559
10	Oct	5,543	631,343	216,102,761	342.290579	662,772	1,936	(891,610)	(2,605)
11	Nov	5,551	483,811	157,504,876	325.550424	255,367	784	(651,290)	(2,001)
12	Dec	5,560	496,086	168,890,297	340.445602	0	0	(159,809)	(469)
13		67,130	5,971,790	1,901,683,485		(9,592,514)	(33,718)	5,877,865	18,743
14									
15									

*Page 6 column (c) + column (h)

PUC DOCKET NO
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR. D. E. NELSON

POWER FACTOR ADJUSTMENTS

PRIMARY SERVICE > 10 - IDR - DISTRIBUTION LINE

		<u>DISTRIBUTION</u>						
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
				(a)-(b)			((e)-1)/	
				Distribution	Power Factor	including	((d)-1)*1*(b)	(b)+(f)
				Billing Units	Excluding	Power Factor	Power Factor	Power Factor
				Excluding	Power Factor	Improvement	Improvement	Billed
				Power Factor	Actual	Improvement	Adjustment	Adjusted
Line	Date	Distribution	Power Factor	Power Factor	Actual	Improvement	Billed kW	Billed kW
No.		Billing Units	Billing Units	kW				kW
		kW	kW	kW				
1	Jan 21	2,809,579	130,032	2,679,547	1.04929	1.02942	(52,419)	77,613
2	Feb	2,716,001	124,645	2,591,356	1.04701	1.02942	(46,639)	78,006
3	Mar	2,726,112	131,730	2,594,382	1.04929	1.02942	(53,104)	78,626
4	Apr	2,788,040	133,876	2,654,164	1.05062	1.02942	(56,068)	77,808
5	May	2,734,018	135,311	2,598,707	1.05050	1.02942	(56,482)	78,829
6	Jun	2,788,268	131,915	2,656,353	1.04805	1.02942	(51,146)	80,769
7	Jul	2,973,180	139,646	2,833,534	1.05025	1.02942	(57,887)	81,759
8	Aug	2,754,442	135,342	2,619,100	1.04904	1.02942	(54,148)	81,194
9	Sep	2,856,180	141,662	2,714,518	1.05087	1.02942	(59,734)	81,928
10	Oct	2,938,247	141,396	2,796,851	1.05107	1.02942	(59,942)	81,454
11	Nov	2,846,312	136,453	2,709,859	1.05014	1.02942	(56,368)	80,065
12	Dec	<u>2,872,822</u>	<u>130,907</u>	<u>2,741,915</u>	<u>1.04871</u>	<u>1.02942</u>	<u>(51,841)</u>	<u>79,066</u>
13		33,803,201	1,612,915	32,190,286			(655,798)	957,117
14								
15		(h)						
16		REP Switch/Other						
17		Adjustments						
18	Date	kW						
19								
20	Jan 21	(6,781)						
21	Feb	1,533						
22	Mar	2,643						
23	Apr	(8,813)						
24	May	1,307						
25	Jun	(3,053)						
26	Jul	(5,016)						
27	Aug	1,318						
28	Sep	(16,679)						
29	Oct	(8,163)						
30	Nov	(766)						
31	Dec	<u>(6,997)</u>						
		(49,468)						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

CUSTOMER AND WEATHER ADJUSTMENTS

PRIMARY SERVICE > 10 - IDR - DISTRIBUTION LINE

DISTRIBUTION

Line No.	Date	Customers	Distribution		kWh to kW Ratio	Customer		Weather	
			Billed kW*	kWh		kWh Adjustment	kW Adjustment	kWh Adjustment	kW Adjustment
		(a)	(b)	(c)	(d)=(c)/(b)	(e)	(f)=(e)/(d)	(g)	(h)=(g)/(d)
1	Jan 21	1,521	2,672,766	1,196,329,426	447.599762	60,563,686	135,308	1,297,259	2,898
2	Feb	1,525	2,592,889	1,150,822,551	443.837955	55,088,555	124,119	1,010,352	2,276
3	Mar	1,522	2,597,025	1,014,192,818	390.521007	50,643,005	129,681	1,883,466	4,823
4	Apr	1,519	2,645,351	1,181,580,735	446.663121	61,451,533	137,579	2,880,802	6,450
5	May	1,531	2,600,014	1,246,661,858	479.482748	54,556,724	113,782	12,473,016	26,013
6	Jun	1,565	2,653,300	1,284,301,945	484.039477	27,081,127	55,948	16,259,501	33,591
7	Jul	1,564	2,828,518	1,342,534,030	474.642208	29,185,522	61,490	10,447,366	22,011
8	Aug	1,560	2,620,418	1,253,721,174	478.443200	30,539,362	63,831	16,006,175	33,455
9	Sep	1,556	2,697,839	1,307,569,606	484.672957	35,294,295	72,821	1,441,339	2,974
10	Oct	1,600	2,788,688	1,300,302,492	466.277508	(1,625,378)	(3,486)	(5,341,781)	(11,456)
11	Nov	1,597	2,709,093	1,256,982,908	463.986677	787,090	1,696	(5,192,516)	(11,191)
12	Dec	1,598	2,734,918	1,336,111,748	488.538206	0	0	(1,264,272)	(2,588)
13		18,658	32,140,818	14,871,111,291		403,565,521	892,768	51,900,706	109,256
14									

*Page 8 column (c) + column (h)

PUC DOCKET NO
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E NELSON

POWER FACTOR ADJUSTMENTS

PRIMARY SERVICE > 10 - IDR - SUBSTATION

DISTRIBUTION

Line No.	Date	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Distribution Billing Units kW	Power Factor Billing Units kW	(a)-(b) Distribution Billing Units Excluding Power Factor kW	Power Factor Multipliers Actual	Power Factor Multipliers Including Power Factor Improvement	(((e)-1)/((d)-1)-1)*(b) Improvement Adjustment Billed kW	(b)+(f) Adjusted Billed kW
1	Jan 21	945,598	24,005	921,593	1.02599	1.01162	(13,272)	10,733
2	Feb	928,695	22,549	906,146	1.02448	1.01162	(11,846)	10,703
3	Mar	957,589	26,303	931,286	1.02815	1.01162	(15,445)	10,858
4	Apr	946,992	23,050	923,942	1.02468	1.01162	(12,197)	10,853
5	May	957,887	23,261	934,626	1.02470	1.01162	(12,318)	10,943
6	Jun	1,013,624	30,974	982,650	1.03223	1.01162	(19,807)	11,167
7	Jul	993,809	28,413	965,396	1.02941	1.01162	(17,187)	11,226
8	Aug	1,151,255	25,797	1,125,458	1.02663	1.01162	(14,540)	11,257
9	Sep	1,043,393	27,059	1,016,334	1.02667	1.01162	(15,270)	11,789
10	Oct	1,036,598	25,872	1,010,726	1.02573	1.01162	(14,188)	11,684
11	Nov	1,028,977	25,413	1,003,564	1.02517	1.01162	(13,681)	11,732
12	Dec	1,034,256	24,796	1,009,460	1.02510	1.01162	(13,317)	11,479
13		12,038,673	307,492	11,731,181			(173,068)	134,424
14								
15		(h)						
16		REP Switch/Other						
17		Adjustments						
18	Date	kW						
19								
20	Jan 21	(416)						
21	Feb	8						
22	Mar	266						
23	Apr	(367)						
24	May	1,268						
25	Jun	(1,228)						
26	Jul	(260)						
27	Aug	(1,281)						
28	Sep	(1,512)						
29	Oct	(192)						
30	Nov	304						
31	Dec	(473)						
		(3,883)						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

CUSTOMER AND WEATHER ADJUSTMENTS

PRIMARY SERVICE > 10 - IDR - SUBSTATION

DISTRIBUTION

Line No.	Date	Customers (a)	Distribution	kWh (c)	kWh to kW	Customer		Weather	
			Billed kW* (b)		Ratio (d)=(c)/(b)	kWh Adjustment (e)	kW Adjustment (f)=(e)/(d)	kWh Adjustment (g)	kW Adjustment (h)=(g)/(d)
1	Jan 21	121	921,177	455,381,089	494.347003	33,871,321	68,517	484,508	980
2	Feb	121	906,154	440,484,862	486.103755	32,763,337	67,400	356,833	734
3	Mar	122	931,552	370,699,961	397.938023	24,308,194	61,085	682,968	1,716
4	Apr	122	923,575	475,999,602	515.388141	31,213,089	60,562	718,286	1,394
5	May	122	935,894	501,702,318	536.067458	32,898,513	61,370	3,713,953	6,928
6	Jun	124	981,422	494,361,390	503.719491	23,920,712	47,488	4,434,285	8,803
7	Jul	124	965,136	528,389,711	547.476947	25,567,244	46,700	2,558,634	4,674
8	Aug	128	1,124,177	628,154,488	558.768315	9,814,914	17,565	3,219,432	5,762
9	Sep	129	1,014,822	561,285,652	553.087785	4,351,052	7,867	(258,368)	(467)
10	Oct	129	1,010,534	542,421,610	536.767303	4,204,819	7,834	(1,629,365)	(3,036)
11	Nov	129	1,003,868	542,819,922	540.728385	4,207,906	7,782	(1,502,529)	(2,779)
12	Dec	130	1,008,987	550,146,821	545.246689	0	0	(859,135)	(1,576)
13		1,501	11,727,298	6,091,847,426		227,121,100	454,171	11,919,502	23,133
14									
15									

*Page 10 column (c) + column (h)

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

POWER FACTOR ADJUSTMENTS

TRANSMISSION

DISTRIBUTION

Line No	Date	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		Distribution Billing Units kW	Power Factor Billing Units kW	(a)-(b) Distribution Billing Units Excluding Power Factor kW	Power Factor Multipliers Actual Billing Units	Including Power Factor Improvement	(((e)-1)/((d)-1))* (b) Power Factor Improvement Adjustment Billed kW	(b)+(f) Adjusted Billing Units kW
1	Jan 21	3,536,279	147,549	3,388,730	1.04337	1.03273	(36,198)	111,351
2	Feb	3,335,869	149,065	3,186,804	1.04405	1.03273	(38,307)	110,758
3	Mar	3,734,429	146,563	3,587,866	1.04251	1.03273	(33,719)	112,844
4	Apr	3,688,216	185,315	3,502,901	1.05409	1.03273	(73,180)	112,135
5	May	3,592,049	178,779	3,413,270	1.05169	1.03273	(65,577)	113,202
6	Jun	3,821,982	168,046	3,653,936	1.04807	1.03273	(53,626)	114,420
7	Jul	3,803,988	184,495	3,619,493	1.05104	1.03273	(66,185)	118,310
8	Aug	3,622,997	172,663	3,450,334	1.04811	1.03273	(55,198)	117,465
9	Sep	4,076,774	204,720	3,872,054	1.05564	1.03273	(84,294)	120,426
10	Oct	3,966,636	260,924	3,705,712	1.07116	1.03273	(140,912)	120,012
11	Nov	4,025,352	251,111	3,774,241	1.06869	1.03273	(131,459)	119,652
12	Dec	3,516,957	236,740	3,280,217	1.06594	1.03273	(119,232)	117,508
13		44,721,528	2,285,970	42,435,558			(897,888)	1,388,082
14								
15		(h)						
16		REP Switch/Other						
17		Adjustments						
18	Date	kW						
19								
20	Jan 21	(31,926)						
21	Feb	(32,014)						
22	Mar	(50,535)						
23	Apr	(40,324)						
24	May	(39,896)						
25	Jun	(40,753)						
26	Jul	(51)						
27	Aug	431						
28	Sep	11,185						
29	Oct	255						
30	Nov	(202)						
31	Dec	(5,563)						
		(229,393)						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

CUSTOMER AND WEATHER ADJUSTMENTS

TRANSMISSION

DISTRIBUTION

Line No.	Date	Customers (a)	Distribution	kWh (c)	kWh to kW	Customer		Weather	
			Billed kW* (b)		Ratio (d)=(c)/(b)	kWh Adjustment (e)	kW Adjustment (f)=(e)/(d)	kWh Adjustment (g)	kW Adjustment (h)=(g)/(d)
1	Jan 21	268	3,356,804	1,633,074,126	486.496717	91,403,403	187,881	0	0
2	Feb	269	3,154,790	1,535,968,217	486.868608	79,938,866	164,190	0	0
3	Mar	270	3,537,331	1,422,348,554	402.096539	68,483,449	170,316	0	0
4	Apr	275	3,462,577	1,650,233,866	476.591240	48,006,803	100,730	0	0
5	May	277	3,373,374	1,740,191,984	515.860970	37,693,689	73,069	0	0
6	Jun	278	3,613,183	1,739,215,540	481.352741	31,280,855	64,985	0	0
7	Jul	282	3,619,442	1,777,198,436	491.014481	6,302,122	12,835	0	0
8	Aug	282	3,450,765	1,793,854,071	519.842432	6,361,185	12,237	0	0
9	Sep	283	3,883,239	1,815,185,444	467.441083	0	0	0	0
10	Oct	283	3,705,967	1,846,716,296	498.308888	0	0	0	0
11	Nov	283	3,774,039	1,877,484,630	497.473563	0	0	0	0
12	Dec	283	3,274,654	1,875,813,062	572.827866	0	0	0	0
13		3,333	42,206,165	20,707,284,226		369,470,372	786,243	0	0
14									

*Page 12 column (c) + column (h)

PUC DOCKET NO
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

WHOLESALE SUBSTATION

Line No		(a) Test Year Statistics		(c) Adjustment for Change in Number of Premises		(d) Billing Demand		(e)=(a)+(c) Adjusted Test Year Statistics @ 100% Ratchet		(f) Billing Demand		(g) Annualization Adjustment		(h)=(f)-(d)-(b)	
		Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand
1	Jan 21	14	93,359	1	7,507	15	131,613	1	30,747						
2	Feb	14	117,938	1	7,507	15	131,613	1	6,168						
3	Mar	14	117,938	1	7,507	15	131,613	1	6,168						
4	Apr	14	117,938	1	7,507	15	131,613	1	6,168						
5	May	14	116,740	1	7,507	15	131,613	1	7,366						
6	Jun	14	116,740	1	7,507	15	131,613	1	7,366						
7	Jul	15	116,754	0	0	15	131,613	0	14,859						
8	Aug	15	131,725	0	0	15	131,613	0	(112)						
9	Sep	15	123,349	0	0	15	131,613	0	8,264						
10	Oct	15	123,499	0	0	15	131,613	0	8,114						
11	Nov	15	123,257	0	0	15	131,613	0	8,356						
12	Dec	15	123,257	0	0	15	131,613	0	8,356						
13	Total	174	1,422,494	6	45,042	180	1,579,356	6	111,820						

NTU XFMR

Line No		(a) Test Year Statistics		(c) Adjustment for Change in Number of Premises		(d) Billing Demand		(e)=(a)+(c) Adjusted Test Year Statistics @ 100% Ratchet		(f) Billing Demand		(g) Annualization Adjustment		(h)=(f)-(d)-(b)	
		Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand
24	Jan 21	34	922,570	0	0	34	943,495	0	20,925						
25	Feb	34	931,008	0	0	34	943,495	0	12,487						
26	Mar	34	932,642	0	0	34	943,495	0	10,853						
27	Apr	34	922,951	0	0	34	943,495	0	20,544						
28	May	34	935,230	0	0	34	943,495	0	8,265						
29	Jun	34	952,021	0	0	34	943,495	0	(8,526)						
30	Jul	34	946,835	0	0	34	943,495	0	(3,340)						
31	Aug	34	944,578	0	0	34	943,495	0	(1,083)						
32	Sep	34	950,474	0	0	34	943,495	0	(6,979)						
33	Oct	34	948,642	0	0	34	943,495	0	(5,147)						
34	Nov	34	951,207	0	0	34	943,495	0	(7,712)						
35	Dec	34	943,798	0	0	34	943,495	0	(303)						
36	Total	408	11,281,956	0	0	408	11,321,940	0	39,984						

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

WHOLESALE DISTRIBUTION LINE SERVICE

Line No.		(a)	(b)	(c)	(d)	(e)=(a)+(c)	(f)	(g)	(h)=(f)-(d)-(b)
		Test Year Statistics		Adjustment for Change in Number of Premises		Adjusted Test Year Statistics		Annualization Adjustment	
		Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand	Number of Premises	Billing Demand
1	Jan 21	47	114,617	1	11,428	48	150,091	1	24,047
2	Feb	47	149,323	1	11,428	48	170,440	1	9,690
3	Mar	47	127,598	1	11,428	48	149,133	1	10,108
4	Apr	47	131,113	1	11,107	48	149,292	1	7,073
5	May	47	129,154	1	11,107	48	147,463	1	7,203
6	Jun	47	128,353	1	11,428	48	147,616	1	7,836
7	Jul	48	143,624	0	0	48	150,878	0	7,254
8	Aug	48	153,036	0	0	48	155,562	0	2,526
9	Sep	48	145,637	0	0	48	152,884	0	7,247
10	Oct	48	142,673	0	0	48	149,422	0	6,749
11	Nov	48	143,388	0	0	48	150,137	0	6,749
12	Dec	48	141,861	0	0	48	148,221	0	6,360
13	Total	570	1,650,377	6	67,923	576	1,821,139	6	102,839

PUC DOCKET NO
ONCOR ELECTRIC DELIVERY COMPANY LLC
BILLING DETERMINANTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: D. E. NELSON

POWER FACTOR, ANNUALIZATION AND OTHER DISTRIBUTION KW ADJUSTMENTS

Line No.	Description	Source/Calculation	Secondary > 10		Primary > 10			Transmission	Total
			Non-IDR	IDR	Non-IDR - DLS	IDR - DLS	IDR - Substation		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Distribution kW	Schedule II-H-4 1, p 1	108,531,029	47,639,387	6,341,471	33,803,201	12,038,673	44,721,528	253,075,289
2	Distribution \$	Schedule II-H-4 1, p 1	\$477,953,382	\$209,303,541	\$23,830,101	\$127,431,151	\$5,759,666	\$11,105,503	\$855,383,343
3	Calculated \$/kW	Line 2 / Line 1	4.403841	4.393498	3.757819	3.769795	0.478430	0.248326	3.379956
4									
5	Power Factor Adjustments								
6	Distribution kW	WP/IV-J-5	(1,958,926)	(2,321,577)	(343,421)	(1,612,915)	(307,492)	(2,285,970)	(8,830,301)
7	Distribution \$	Line 6 * Line 3	(\$8,626,798)	(\$10,199,843)	(\$1,290,514)	(\$6,080,359)	(\$147,113)	(\$567,665)	(\$26,912,294)
8									
9	Adjusted Distribution kW	Line 1+ Line 6	106,572,103	45,317,810	5,998,050	32,190,286	11,731,181	42,435,558	244,244,988
10	Adjusted Distribution \$	Tariff Rate * Line 9	\$479,289,916	\$203,809,146	\$22,767,674	\$122,189,368	\$5,637,724	\$10,805,960	\$844,499,789
11									
12	Revenues Associated with Rate Annualization	Line 10 - (Line 9*Line 3)	\$9,963,333	\$4,705,449	\$228,087	\$638,577	\$25,172	\$268,123	\$16,028,740
13									
14	Other Revenue Adjustments								
15	Power Factor								
16	Distribution kW	WP/IV-J-5	923,578	1,230,339	145,154	957,117	134,424	1,388,082	4,778,695
17									
18	Distribution \$	Line 16 * Line 3	\$4,067,293	\$5,405,494	\$545,464	\$3,608,134	\$64,312	\$344,696	\$14,035,392
19	Adjustment to Tariff Rate	(Tariff Rate-Line 3)*Line 16	\$86,345	\$127,749	\$5,520	\$24,933	\$288	\$8,770	\$253,605
20	Total Distribution \$	Line 18 + Line 19	\$4,153,637	\$5,533,242	\$550,983	\$3,633,067	\$64,601	\$353,467	\$14,288,998
21									
22	Check Adjusted Distribution \$	Tariff Rate * Line 9	\$479,289,916	\$203,809,146	\$22,767,674	\$122,189,368	\$5,637,724	\$10,805,960	\$844,499,789
23	Check Power Factor Distribution \$	Tariff Rate * Line 16	\$4,153,637	\$5,533,242	\$550,983	\$3,633,067	\$64,601	\$353,467	\$14,288,998
24									
25									
26									
27									
28									
29									
30									
31	Actual kW		89,439,708	41,813,345	4,010,029	29,243,776	10,864,520	38,360,667	
32	Billed kW		102,062,683	45,681,271	4,584,581	31,518,581	11,457,420	41,072,083	
33	New Billed kW*		102,775,642	45,647,850	4,790,928	31,616,338	11,558,312	41,200,679	
34	% Chg Billed kW	(Line 33 / Line 32) -1	0.698550%	-0.073161%	4.500891%	0.310157%	0.880582%	0.313098%	
35	Annual Billing Units		106,572,103	45,317,810	5,998,050	32,190,286	11,731,181	42,435,558	
36	kW Adjustment	(Line 34 * Line 35) + Rep Switches/Other	385,773	(97,900)	243,706	50,373	99,420	(96,528)	
37	Annualization Revenue Adjustment	Tariff Rate * Line 36	\$1,734,947	(\$440,289)	\$925,069	\$191,207	\$47,779	(\$24,580)	
38									
39	*Based on TME 12/2021 recurring year								
40									
41									
42									
43									
44									
45									
46	Distribution Billing kW	Line 6 + Line 36	(1,573,153)	(2,419,477)	(99,715)	(1,562,542)	(208,072)	(2,382,498)	(8,245,458)

ANNUALIZATION/OTHER

Line No.	Description	Source/Calculation	Secondary > 10		Primary > 10			Transmission	Total
			Non-IDR	IDR	Non-IDR - DLS	IDR - DLS	IDR - Sub		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
31	Actual kW		89,439,708	41,813,345	4,010,029	29,243,776	10,864,520	38,360,667	
32	Billed kW		102,062,683	45,681,271	4,584,581	31,518,581	11,457,420	41,072,083	
33	New Billed kW*		102,775,642	45,647,850	4,790,928	31,616,338	11,558,312	41,200,679	
34	% Chg Billed kW	(Line 33 / Line 32) -1	0.698550%	-0.073161%	4.500891%	0.310157%	0.880582%	0.313098%	
35	Annual Billing Units		106,572,103	45,317,810	5,998,050	32,190,286	11,731,181	42,435,558	
36	kW Adjustment	(Line 34 * Line 35) + Rep Switches/Other	385,773	(97,900)	243,706	50,373	99,420	(96,528)	
37	Annualization Revenue Adjustment	Tariff Rate * Line 36	\$1,734,947	(\$440,289)	\$925,069	\$191,207	\$47,779	(\$24,580)	

*Based on TME 12/2021 recurring year

TOTAL ADJUSTMENTS

Line No.	Description	Source/Calculation	Secondary > 10		Primary > 10			Transmission	Total
			Non-IDR	IDR	Non-IDR - DLS	IDR - DLS	IDR - Sub		
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)
46	Distribution Billing kW	Line 6 + Line 36	(1,573,153)	(2,419,477)	(99,715)	(1,562,542)	(208,072)	(2,382,498)	(8,245,458)

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

There are no supporting workpapers for Schedule IV-J-6.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CALCULATION OF TRANSMISSION REVENUE REQUIREMENT FOR RETAIL DELIVERY SERVICE
TEST YEAR ENDING DECEMBER 31, 2021
SPONSOR: M. TROXLE

Current ERCOT Wholesale Transmission Access Fees	
Transmission Owners/Load Entities	Current Access Fee (\$ / kW)
AEP Texas	8 197657000
Austin Energy	1 187214000
Bandera Electric Coop	0 079465000
Brazos Electric Coop	1 889953700
Brownsville Public Utilities Board	0 138873000
Bryan Texas Utilities	0 511284000
Centerpoint Energy	5.852280000
Cherokee County Electric Coop	0 002892000
College Station, City of	0.056256400
Cross Texas Transmission LLC	0 995200000
Deep East Texas Electric Coop	0.002092000
Denton Municipal Electric	0.842324100
East Texas Electric Coop	0 003530000
Electric Transmission Texas	4 693082000
Fannin Electric Coop	0 002192000
Farmers Electric Coop	0 009901000
Floresville Electric Power System	0 006443000
Gariand Power and Light	0 908861000
Greenville Electric Utility System	0.045180000
Golden Spread Electric Coop	0.035250000
Grayson-Collin Electric Coop	0 022728000
Houston County Electric Coop	0 019677000
Lamar County Electric Coop	0.004135000
Lone Star Transmission	1 358724000
Lower Colorado River Authority	7 979188600
Lubbock Power & Light	0 576270000
Lynegar Electric Coop	0.011365000
Rayburn Country	0.330116100
Rio Grande Electric Coop	0 009859000
San Antonio City Public Service	3 084305000
San Bernard Electric Coop	0 057070000
San Miguel Electric Coop	0 020501000
Sharyland Utilities	0 563436000
South Texas Electric Coop	1 291537000
Southwest Texas Electric Coop	0 000951000
Texas Municipal Power Agency	0 435470000
Texas-New Mexico Power Company	1 459023000
Trinity Valley Electric Coop	0 010713000
Wind Energy Transmission Texas LLC	1 809540000
Wood County Electric Coop	0 001899000
Oncor Electric Delivery NTU	2,386,643,188
Oncor Electric Delivery	17,549,284,119
Total ERCOT Transmission Access Fee	\$64,441,565,217 / kW

Docket No 51611 rate \$ 14,618,394.66 SU billing to Oncor for NTS

Transmission Revenue Requirement =
 173,023,040 NTU TRAN
 1,272,153,314 TRAN + DC Tie

Oncor Electric Delivery Average 4-CP Load (as shown below)	25,945,084.560 kW
Oncor Electric Delivery - Transmission Revenue Requirement for Retail Delivery Services:	\$1,852,622,021

added riders below to this calculation Does not include ADJ (over/under collection)

Transmission Expense Riders	Annualized Rider	Annual Expense
Wind Energy Transm - Tax Rate Change	-0.143640000	(3,726,751.95)
Wind Energy Transm - WTS Credit	-0.236892000	(6,146,182.97)
Rayburn County - WTS Credit Rider	-0.062077250	(1,610,599.50)
Texas New Mexico Power - Rate Case Expense sur	0.002810000	72,905.69
East Texas Electric - WTS Credit Rider	-0.014088000	(365,514.35)
Brownsville PUB - Rate Case Expense surcharge	0.003480000	88,758.18
Lubbock Power & Light - WTS Credit Rider	-0.310080000	(7,730,452.65)
Subtotal, Transmission Expense Riders		(19,419,837.56)

\$ 455,317,660.43	Intra-company Transmission Revenue for TGMT
61,926,848.61	Intra-company Transmission Revenue (NTU)
\$ 517,244,509.04	

	Present TCOS/WTS revenues prior to this filing	Third Party	Affiliate
Oncor's TCOS rate in effect during the last year (from Docket No. 52352, effective 9/20/2021)	\$ 16,840,547,180		
Oncor NTU's rate currently in effect, prior to this filing (from Docket No. 48923 & 49519)	\$ 3,226,341,000	\$ 150,170,818.40	\$ 83,707,690.06
Oncor's TCOS rate currently in effect, prior to this filing (from Docket No. 53145)	\$ 17,212,956,892	\$ 1,247,772,771.16	\$ 446,591,596.15
	\$ 1,481,651,279.62	\$ 951,351,993.41	\$ 530,299,286.21

	ERCOT kW	Oncor Electric Delivery kW	Source
Jun 2021	70,393,637.448	24,667,665.860	Docket No 52989
Jul 2021	73,305,140.020	26,269,921.052	Docket No 52989
Aug 2021	73,822,003.984	26,160,386.920	Docket No 52989
Sep 2021	72,440,519.556	26,682,364.408	Docket No 52989
Average	72,490,325.252	25,945,084.560	

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

SPONSOR: MATTHEW A. TROXLE

Line
No. (a) (b) (c) (d) (e) (f) (g)
1 TRANSMISSION SERVICE CHARGE (OR TCRF IF ALL TRANSMISSION EXPENSE RECOVERY IS THROUGH TCRF)
2 TRANSMISSION CALCULATIONS*
3 FOR THE TEST YEAR ENDING DECEMBER 31, 2021
4

Rate Class	Utility's Transmission Expense	4CP Allocator	Class Transmission Expense	Billing Determinant	Type (KW, kWh)	Per Unit Charge
	<i>6 months of expense</i>	<i>Year 2021</i>		<i>July '21 - Dec '21</i>		
Residential	\$826,261,010.72	45.880672%	\$379,094,106.26	24,362,762,465	per kWh	\$0 015560
Secondary Small	\$826,261,010.72	1.282441%	\$10,596,308.60	949,667,455	per kWh	\$0 011158
Secondary Large - Non-IDR	\$826,261,010.72	23.681051%	\$195,667,289.57	49,001,865	per NCP KW	\$3.993058
Secondary Large - IDR	\$826,261,010.72	9.672542%	\$79,920,442.22	17,874,524	per 4CP KW	\$4.471193
Primary Small	\$826,261,010.72	0.013264%	\$109,598.02	13,910,339	per kWh	\$0 007879
Primary Large - Non-IDR	\$826,261,010.72	1.341664%	\$11,085,643.18	2,868,898	per NCP KW	\$3.864077
Primary Large - IDR	\$826,261,010.72	7.043734%	\$58,199,626.68	12,121,421	per 4CP KW	\$4.801386
Primary Large - Substation	\$826,261,010.72	2.746366%	\$22,692,154.54	4,010,845	per 4CP KW	\$5.657558
Transmission	\$826,261,010.72	8.338266%	\$68,895,841.65	13,002,777	per 4CP KW	\$5.298548
Lighting	\$826,261,010.72		\$0.00			N/A

* This sheet is only used for ERCOT Utilities

NOTE: The above TCRF worksheet does not account for over/under recovery.

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

SPONSORS: MATTHEW A. TROXLE

Line No.	(a)	(b)	TCRF Billing Determinants						Total
			Mar 21	Apr	May	Jun	Jul	Aug	
			(c)	(d)	(e)	(f)	(g)	(h)	(i)
1	Residential	kWh	4,297,856,697	2,463,697,416	2,623,759,112	3,299,051,861	4,869,095,251	5,021,725,819	22,575,186,156
2	Secondary Service								
3	10 kW and Below	kWh	162,310,994	132,745,054	134,274,800	143,016,634	172,928,670	173,132,985	918,409,137
4	Greater than 10 kW								
5	NonIDR	TSC kW	7,933,672	7,218,952	7,563,502	8,026,415	8,426,519	8,599,337	47,768,397
6	IDR	TSC kW	2,840,593	2,974,740	2,914,749	2,886,495	3,020,876	2,964,558	17,602,011
7	Primary Service								
8	10 kW and Below	kWh	1,836,764	2,697,261	2,349,193	2,389,009	2,229,288	2,289,003	13,790,518
9	Greater than 10 kW								
10	NonIDR	TSC kW	439,832	437,000	480,882	482,161	430,360	415,999	2,686,234
11	IDR	TSC kW	1,930,316	1,984,271	1,955,623	1,972,829	2,065,183	1,912,351	11,820,573
12	Substation	TSC kW	627,215	622,224	619,539	638,458	636,585	757,221	3,901,242
13	Transmission	TSC kW	2,130,446	2,111,788	2,087,250	2,119,564	2,116,662	1,984,144	12,549,854

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

SPONSORS: MATTHEW A. TROXLE

Secondary > 10 kW				
Line No.		(a) <u>Total¹</u>	(b) <u>IDR</u>	(a)-(b) <u>Non-IDR</u>
1	Jun	8,138,709		
2	Jul	8,479,980		
3	Aug	8,584,122		
4	Sep	<u>8,753,101</u>		
5	Average	8,488,978	2,461,804	6,027,174
6			29.00%	71.00%
7				
8				
9				
Primary > 10 kW				
Line No.		(a) <u>Total¹</u>	(b) <u>Distribution Line IDR</u>	(a)-(b) <u>Non-IDR</u>
11				
12				
13				
14				
15	Jun	2,108,470		
16	Jul	2,111,174		
17	Aug	2,152,715		
18	Sep	<u>2,164,466</u>		
19	Average	2,134,206	1,792,733	341,473
20			84.00%	16.00%
21				
22				
23				
24	¹ Schedule IV-J-7, page 14			

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

SPONSOR: MATTHEW A. TROXLE

RATE DESIGN COMPARISON
SECONDARY vs. PRIMARY

Line No.	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	11 kW					20 kW				
2	60.0% Load Factor					60.0% Load Factor				
3	4,752 kWh					8,640 kWh				
4										
5	Secondary < 10 kW					Secondary > 10 kW				
6	<u>Function</u>	<u>Unit Price</u>			\$	<u>Function</u>	<u>Unit Price</u>			\$
7	Customer	2.31			2.31	Customer	11.40			11.40
8	Meter	4.71			4.71	Meter	21.74			21.74
9	EECRF	0			0.00	EECRF	0			0.00
10	Distribution	0.021880			<u>103.97</u>	Distribution	5.951686			<u>119.03</u>
11					110.99					152.17
12	Primary < 10 kW					Primary > 10 kW				
13	<u>Function</u>	<u>Unit Price</u>	<u>Adjustment</u>	<u>Adj Unit Price</u>	\$	<u>Function</u>	<u>Unit Price</u>	<u>Adjustment</u>	<u>Adj Unit Price</u>	\$
14	Customer	9.66	0.00	9.66	9.66	Customer	91.78	(76.54)	15.24	15.24
15	Meter	20.00	0.00	20.00	20.00	Meter	180.97	(134.34)	46.63	46.63
16	EECRF	0			0.00	EECRF	0			0.00
17	Distribution	0.010615	0.000000	0.010615	<u>50.44</u>	Distribution	3.387277	0.45893	3.846202	<u>76.92</u>
18					80.10					138.79
19										
20	Proof of Revenue - Primary < 10 kW					Proof of Revenue - Primary > 10 kW				
21										
22	37,212 Bills					85,896 Bills				
23	27,825,268 Billed kWh					39,469,464 Billed kWh				
24										
25	<u>Function</u>	<u>\$</u>	<u>\$</u>		\$	<u>Function</u>	<u>\$</u>	<u>\$</u>		\$
26	Customer	359,468	359,468		0	Customer	7,883,535	1,309,055		(6,574,480)
27	Meter	744,240	744,240		0	Meter	15,544,599	4,005,330		(11,539,269)
28	EECRF	0	0		0	EECRF	0	0		0
29	Distribution	<u>295,365</u>	<u>295,365</u>		0	Distribution	<u>133,694,009</u>	<u>151,807,533</u>		<u>18,113,524</u>
30		1,399,073	1,399,073		0		157,122,143	157,121,919		(224)
31										
32										

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

SPONSOR. MATTHEW A TROXLE

OUTDOOR LIGHTING SERVICE

LINE NO	(a) DESCRIPTION	(b) NUMBER OF UNITS	(c) WATTS	(d) CURRENT CHARGE	(e) PROPOSED UNIT CHARGE	(f) MONTHLY REV (f)=(b)*(e)	(g) PROPOSED ANNUAL REVENUE (g)=(b)*(e)*12
1	Customer Charge	52,820		\$1.30	\$1 26	\$66,553	\$798,636
2							
3	Guard Lights						
4	Mercury Vapor	38,667	175	\$6.86	\$6 86	\$265,256	\$3,183,067
5							
6	Mercury Vapor	9,138	400	\$10 46	\$10 46	\$95,583	\$1,147,002
7							
8	Sodium Vapor	30,286	100	\$6 45	\$6.45	\$195,345	\$2,344,136
9							
10	Sodium Vapor	9,964	200	\$9.14	\$9.14	\$91,071	\$1,092,852
11							
12	LED						
13	0 - 55 watts	28		\$10 35	\$10.47	\$293	\$3,518
14							
15	56 - 100 watts	12		\$11.91	\$10.79	\$129	\$1,554
16							
17	101 - 140 watts	10		\$12.71	\$11 64	\$116	\$1,397
18							
19	141 - 180 watts	1		\$13 30	\$12.33	\$12	\$148
20							
21	181 - 265 watts	0		\$15 40	\$13 20	\$0	\$0
22							
23							
24	Flood Lights						
25	Metal Halide	13	175	\$8.89	\$8 89	\$116	\$1,387
26							
27	Metal Halide	1,175	250	\$12 09	\$12 09	\$14,206	\$170,469
28							
29	Metal Halide	4,964	400	\$14 58	\$14 58	\$72,375	\$868,501
30							
31	Metal Halide	27	1,000	\$25 55	\$25 55	\$690	\$8,278
32							
33	Sodium Vapor	207	100	\$8 78	\$8 78	\$1,817	\$21,810
34							
35	Sodium Vapor	4	200	\$9 14	\$9.14	\$37	\$439
36							
37	Sodium Vapor	949	250	\$11 28	\$11.28	\$10,705	\$128,457
38							
39	Sodium Vapor	1,749	400	\$14.43	\$14 43	\$25,238	\$302,857
40							
41	Sodium Vapor	25	1,000	\$26.42	\$26 42	\$661	\$7,926
42							
43	LED						
44	0 - 55 watts	0		\$12.92	\$10 47	\$0	\$0
45							
46	56 - 100 watts	2		\$13 89	\$10 79	\$22	\$259
47							
48	101 - 140 watts	0		\$14.54	\$11 64	\$0	\$0
49							
50	141 - 180 watts	0		\$15.23	\$12 33	\$0	\$0
51							
52	181 - 265 watts	1		\$16 16	\$13.20	\$13	\$158
53							
54	Spans	1,170		\$2.77	\$2.77	\$3,241	\$38,891
55							
56	Total Facilities	97,222				\$776,926	\$9,323,106
57							
58	Total Customer Charge						\$798,636
59							
60	Total Outdoor Lighting						\$10,121,742

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

SPONSOR: MATTHEW A. TROXLE

STREET LIGHTING SERVICE

LINE NO.	(a) DESCRIPTION	(b) UNITS	(c) PROPOSED UNIT CHARGE	(d) MONTHLY REVENUE (d)=(b)*(c)	(e) PROPOSED ANNUAL REVENUE (e)=(d)*12
1	SL SERVICE				
2	NON-METERED FACILITIES				
3					
4	POD Charge	493	\$59.00	\$29,087	\$349,044
5					
6	<u>175W Mercury</u>				
7	Sch A	6,875	\$11.25	\$77,344	\$928,125
8	Sch B	58	\$16.91	\$981	\$11,769
9	Sch C	41	\$1.56	\$64	\$768
10	Sch D	10,138	\$1.56	\$15,815	\$189,783
11	Rectangular Top	40	\$24.57	\$983	\$11,794
12	Post-Top	3	\$12.42	\$37	\$447
13	Total	17,155		\$95,224	\$1,142,686
14					
15	<u>250W Mercury</u>				
16	Sch A	11	\$11.25	\$124	\$1,485
17	Total	11	\$11.25	\$124	\$1,485
18					
19	<u>400W Mercury</u>				
20	Sch A	1,484	\$13.15	\$19,515	\$234,175
21	Sch B	272	\$21.20	\$5,766	\$69,197
22	Sch C	0	\$3.28	\$0	\$0
23	Sch D	134	\$3.28	\$440	\$5,274
24	Total	1,890		\$25,721	\$308,646
25					
26	<u>1000W Mercury</u>				
27	Sch A	5	\$17.18	\$86	\$1,031
28	Sch B	1	\$25.08	\$25	\$301
29	Sch C	0	\$8.10	\$0	\$0
30	Sch D	9	\$8.10	\$73	\$875
31	Total	15		\$184	\$2,207
32					
33	<u>100W Sodium</u>				
34	Sch A	167,799	\$10.82	\$1,815,585	\$21,787,022
35	Sch B	2,084	\$16.49	\$34,365	\$412,382
36	Sch C	158	\$0.88	\$139	\$1,668
37	Sch D	23,049	\$0.88	\$20,283	\$243,397
38	Rectangular Top	58	\$24.12	\$1,399	\$16,788
39	Post-Top	111	\$11.83	\$1,313	\$15,758
40	Total	193,259		\$1,873,085	\$22,477,015

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

SPONSOR. MATTHEW A. TROXLE

STREET LIGHTING SERVICE

LINE NO.	(a) DESCRIPTION	(b) UNITS	(c) PROPOSED UNIT CHARGE	(d) MONTHLY REVENUE (d)=(b)*(c)	(e) PROPOSED ANNUAL REVENUE (e)=(d)*12
1	<u>150W Sodium</u>				
2	Sch A	10,319	\$11.36	\$117,224	\$1,406,686
3	Sch B	2,001	\$19.42	\$38,859	\$466,313
4	Sch C	0	\$1.53	\$0	\$0
5	Sch D	<u>2,888</u>	\$1.53	<u>\$4,419</u>	<u>\$53,024</u>
6	Total	15,208		\$160,502	\$1,926,023
7					
8	<u>200W Sodium</u>				
9	Sch A	30,851	\$12.14	\$374,531	\$4,494,374
10	Sch B	5,608	\$20.20	\$113,282	\$1,359,379
11	Sch C	249	\$1.75	\$436	\$5,229
12	Sch D	<u>13,319</u>	\$1.75	<u>\$23,308</u>	<u>\$279,699</u>
13	Total	50,027		\$511,557	\$6,138,681
14					
15	<u>250W Sodium</u>				
16	Sch A	35,305	\$12.97	\$457,906	\$5,494,870
17	Sch B	4,817	\$21.03	\$101,302	\$1,215,618
18	Sch C	81	\$2.19	\$177	\$2,129
19	Sch D	3,731	\$2.19	\$8,171	\$98,051
20	Rectangular	<u>31</u>	\$23.76	<u>\$737</u>	<u>\$8,839</u>
21	Total	43,965		\$568,292	\$6,819,507
22					
23	<u>400W Sodium</u>				
24	Sch A	1,375	\$14.35	\$19,731	\$236,775
25	Sch B	348	\$22.40	\$7,795	\$93,542
26	Sch C	0	\$3.50	\$0	\$0
27	Sch D	<u>7,198</u>	\$3.50	<u>\$25,193</u>	<u>\$302,316</u>
28	Total	8,921		\$52,719	\$632,633
29					
30	<u>1000W Sodium</u>				
31	Sch A	4	\$17.54	\$70	\$842
32	Sch B	1	\$25.33	\$25	\$304
33	Sch C	0	\$8.21	\$0	\$0
34	Sch D	<u>7</u>	\$8.21	<u>\$57</u>	<u>\$690</u>
35	Total	12		\$153	\$1,836

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

SPONSOR: MATTHEW A. TROXLE

STREET LIGHTING SERVICE

LINE NO.	(a) DESCRIPTION	(b) UNITS	(c) PROPOSED UNIT CHARGE	(d) MONTHLY REVENUE (d)=(b)*(c)	(e) PROPOSED ANNUAL REVENUE (e)=(d)*12
1	<u>150W Metal Halide</u>				
2	Sch A	3,833	\$11.71	\$44,884	\$538,613
3	Sch D	<u>690</u>	\$1.42	<u>\$980</u>	<u>\$11,758</u>
4	Total	4,523		\$45,864	\$550,371
5					
6	<u>175W Metal Halide</u>				
7	Sch A	2,234	\$11.71	\$26,160	\$313,922
8	Sch B	8	\$19.36	\$155	\$1,859
9	Sch C	20	\$1.42	\$28	\$341
10	Sch D	<u>1,012</u>	\$1.42	<u>\$1,437</u>	<u>\$17,244</u>
11	Total	3,274		\$27,780	\$333,366
12					
13	<u>250W Metal Halide</u>				
14	Sch A	1,376	\$13.34	\$18,356	\$220,270
15	Sch B	0	\$22.40	\$0	\$0
16	Sch C	0	\$2.19	\$0	\$0
17	Sch D	128	\$2.19	\$280	\$3,364
18	Rectangular	<u>0</u>	N/A	<u>\$0</u>	<u>\$0</u>
19	Total	1,504		\$18,636	\$223,634
20					
21	<u>400W Metal Halide</u>				
22	Sch A	584	\$14.35	\$8,380	\$100,565
23	Sch B	109	\$22.40	\$2,442	\$29,299
24	Sch C	0	\$3.50	\$0	\$0
25	Sch D	142	\$3.50	\$497	\$5,964
26	Rectangular	<u>58</u>	\$33.58	<u>\$1,948</u>	<u>\$23,372</u>
27	Total	893		\$13,267	\$159,200
28					
29	<u>1000W Metal Halide</u>				
30	Sch A	251	\$17.36	\$4,357	\$52,288
31	Sch B	16	\$25.32	\$405	\$4,861
32	Sch C	0	\$8.10	\$0	\$0
33	Sch D	1	\$8.10	\$8	\$97
34	Rectangular	<u>92</u>	\$36.58	<u>\$3,365</u>	<u>\$40,384</u>
35	Total	360		\$8,136	\$97,630

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

SPONSOR: MATTHEW A TROXLE

STREET LIGHTING SERVICE

LINE NO.	(a) DESCRIPTION	(b) UNITS	(c) PROPOSED UNIT CHARGE	(d) MONTHLY REVENUE (d)=(b)*(c)	(e) PROPOSED ANNUAL REVENUE (e)=(d)*12
1	<u>LED</u>				
2					
3	<u>LED - Cobra Head</u>				
4	0-55 watts	42,710	\$10.47	\$447,174	\$5,366,084
5	56-100 watts	1,112	\$10.79	\$11,998	\$143,982
6	101-140 watts	12,071	\$11.64	\$140,506	\$1,686,077
7	141-180 watts	5,886	\$12.33	\$72,574	\$870,893
8	181-265 watts	<u>780</u>	\$13.20	<u>\$10,296</u>	<u>\$123,552</u>
9	Total	62,559		\$682,549	\$8,190,588
10					
11	<u>LED - Rectangular</u>				
12	0-55 watts	57	\$20.06	\$1,143	\$13,721
13	56-100 watts	215	\$20.84	\$4,481	\$53,767
14	141-180 watts	<u>176</u>	\$21.44	<u>\$3,773</u>	<u>\$45,281</u>
15	Total	448		\$9,397	\$112,769
16					
17	<u>LED - Post Top</u>				
18	0-55 watts	2,809	\$13.46	\$37,809	\$453,710
19	56-101 watts	<u>64</u>	\$13.74	<u>\$879</u>	<u>\$10,552</u>
20	Total	2,873		\$38,689	\$464,262
21					
22	<u>LED - Historical</u>				
23	0-55 watts	644	\$25.59	\$16,480	\$197,760
24	56-100 watts	<u>1,432</u>	\$25.81	<u>\$36,960</u>	<u>\$443,519</u>
25	Total	2,076		\$53,440	\$641,279
26					
27	<u>LED - Other</u>				
28	Sch C	0	N/A	\$0	\$0
29	Sch D 0-55 watts	10,176	\$0.41	\$4,172	\$50,066
30	Sch D 56-100 watts	14,605	\$0.67	\$9,785	\$117,424
31	Sch D 101-140 watts	486	\$0.98	\$476	\$5,715
32	Sch D 141-180 watts	1,857	\$1.20	\$2,228	\$26,741
33	Sch D 181-265 watts	<u>819</u>	\$1.75	<u>\$1,433</u>	<u>\$17,199</u>
34	Total	27,943		\$18,095	\$217,145

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

SPONSOR: MATTHEW A. TROXLE

STREET LIGHTING SERVICE

LINE NO.	(a) DESCRIPTION	(b) UNITS	(c) PROPOSED UNIT CHARGE	(d) MONTHLY REVENUE (d)=(b)*(c)	(e) PROPOSED ANNUAL REVENUE (e)=(d)*12
1	<u>Incandescent</u>				
2	All	23	\$10.84	\$249	\$2,992
3					
4	<u>Historical</u>				
5	175 Mercury Vapor	32	\$14.39	\$460	\$5,526
6	100 Sodium Vapor	254	\$13.95	\$3,543	\$42,520
7	150 Sodium Vapor	62	\$14.37	\$891	\$10,691
8	175 Metal Halide	14	\$17.24	\$241	\$2,896
9	Total	362		\$5,136	\$61,633
10					
11	Excess Poles	0	\$5.18	\$0	\$0
12					
13	Total	385		\$5,385	\$64,625
14	Total Non-Metered				
15	POD Charge	493		29,087	349,044
16	Schedule A	262,306		2,984,254	35,811,043
17	Schedule B	15,323		305,402	3,664,824
18	Schedule C	549		845	10,135
19	Schedule D	90,389		119,057	1,428,681
20	LED - Schedule A	67,956		784,075	9,408,898
21	Rectangular	279		8,431	101,177
22	Post Top	114		1,350	16,205
23	Incandescent	23		249	2,992
24	Historical	362		5,136	61,633
25	Facilities Charge	437,301		\$4,208,798.93	\$50,505,588.00
26	Total	437,794		\$4,237,885.93	\$50,854,632.00
27					

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

SPONSOR: MATTHEW A. TROXLE

STREET LIGHTING SERVICE

LINE NO.	(a) DESCRIPTION	(b) UNITS	(c) PROPOSED UNIT CHARGE	(d) MONTHLY REVENUE (d)=(b)*(c)	(e) PROPOSED ANNUAL REVENUE (e)=(d)*12
1	METERED FACILITIES				
2					
3	<u>Non-Company Owned</u>				
4	Customer Charge	752	\$ 2.31	\$1,737	\$20,845
5	Meter	752	\$ 4.71	\$3,542	\$42,503
6	Dist. System	798,817	\$0.021884	<u>\$17,481</u>	<u>\$209,776</u>
7	Total			\$22,760	\$273,124
8					
9	<u>Company Owned</u>				
10	Customer Charge	66	\$ 2.31	\$152	\$1,830
11	Meter	66	\$ 4.71	\$311	\$3,730
12	Dist. System	23,642	\$0.116112	<u>\$2,745</u>	<u>\$32,942</u>
13	Total			\$3,208	\$38,502
14					
15	Total Metered				
16	Revenue	818		\$25,969	\$311,626
17					
18	TOTAL SL			\$4,263,855	\$51,166,258

PUC DOCKET NO.
ONCOR ELECTRIC DELIVERY COMPANY LLC
PROOF OF REVENUE STATEMENT
FOR THE TEST YEAR ENDING DECEMBER 31, 2021
SPONSOR : MATTHEW A. TROXLE

Line No.	SCHEDULE C & D STREET LIGHTING RATE CALCULATIONS		
1	\$8,455,437 CUST Function Revenue Requirement for the Secondary <= 10 kW Class		
2	\$41,122,596 DIST Function Revenue Requirement for the Secondary <= 10 kW Class		
3			
4	1,879,492,852 kWh for Secondary <= 10 kW Class		
5	\$0.026378 Per kWh using CUST & DIST Function		
6			
7	Sec <= 10 kW		
8	\$2.31 Customer Charge		
9	\$0.0218840 Distribution Charge		
10			
11			
12	[a]	[b]	[c]
13		Using	
14		DIST	Sch C & D
15	kWh	Function	Rate
16	40	\$0.021884	\$0.88
17	65	\$0.021884	\$1.42
18	70	\$0.021884	\$1.53
19	80	\$0.021884	\$1.75
20	100	\$0.021884	\$2.19
21	150	\$0.021884	\$3.28
22	160	\$0.021884	\$3.50
23	370	\$0.021884	\$8.10
24	375	\$0.021884	\$8.21
25			
26	<u>LED Street Lights (Schedule D only) :</u>		
27	15	\$0.021884	\$0.41
28	30	\$0.021884	\$0.67
29	45	\$0.021884	\$0.98
30	55	\$0.021884	\$1.20
31	80	\$0.021884	\$1.75

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 SUMMARY

<u>LINE NO.</u>		
1	Outdoor Lighting Revenue	\$10,121,742 (a)
2		
3	Street Lighting Revenue	
4		
5	Non-Metered Facilities	
6		
7	POD Charge	\$349,044 (b)
8		
9	Schedule A	\$35,811,043
10	Schedule B	\$3,664,824
11	Schedule C	\$10,135
12	Schedule D	\$1,428,681
13	LED	\$9,408,898
14	Rectangular	\$101,177
15	Post Top	\$16,205
16	Incandescent	\$2,992
17	Historical	<u>\$61,633</u>
18	Facilities Charge	\$50,505,588 (c)
19		
20	Total	\$50,854,632 (d)=(b)+(c)
21		
22	Metered Facilities	
23		
24	Non-Company Owned	\$273,124
25	Company Owned	<u>\$38,502</u>
26	Total	\$311,626 (e)
27		
28	Total Street Lighting Revenue	\$51,166,258 (f)=(d)+(e)
29		
30	TOTAL LIGHTING REVENUE	\$61,288,000 (g)=(a)+(f)

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

SPONSORS: MATTHEW A. TROXLE

(a) Line	(b) Rate Class	(c) Proposed Power Factor Revenue Billed ¹	(d) Proposed Power Factor Revenue Increase (\$)	(e) Proposed Power Factor Revenue Increase (%)	(f) Proposed Power Factor Revenue	(g) Net Distribution Plant in Service ²	(h) Net Distribution Plant Allocation Factor	(i) Reallocated Proposed Power Factor Revenue
1	Residential	\$0	\$0	0.00%	\$0	\$5,041,542,813	55.95%	\$9,856,074
2	Secondary <= 10 kW	0	0	0.00%	0	168,914,817	1.87%	330,224
3	Secondary > 10 kW	9,686,880	3,230,080	33.34%	12,916,960	3,186,699,293	35.36%	6,229,907
4	Primary <= 10 kW	0	0	0.00%	0	1,134,336	0.01%	2,218
5	Primary > 10 kW Distribution Line	4,184,050	(424,141)	-10.14%	3,759,910	480,108,121	5.33%	938,598
6	Primary > 10 kW Substation	64,601	82,689	128.00%	147,290	41,534,062	0.46%	81,198
7	Transmission	353,467	439,152	124.24%	792,618	9,445,431	0.10%	18,466
8	Lighting	0	0	0.00%	0	81,890,651	0.91%	160,094
9	Total Texas Retail	<u>\$14,288,998</u>	<u>\$3,327,780</u>	<u>23.29%</u>	<u>\$17,616,778</u>	<u>\$9,011,269,524</u>	<u>100.00%</u>	<u>\$17,616,778</u>

10

11

12 ¹Distribution Power Factor Adjustment kW per WP/IV-J-5, page 16, line 23.

13 ²Schedule II-I DIST

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

SPONSOR: MATTHEW A. TROXLE

BILLING UNIT STATISTICS
SECONDARY SERVICE GREATER THAN 10 KW

Annualization, Customer, and Weather Adjustment

Line No.	(a)	(b)	(c)	(d)	(e)
1		Customer Statistics (12 Months of Billing)			
2		Number of		Demand (kW)	
3	Description	Bills	kWh	Actual	Billing
4	Move in	96,132	1,190,278,964	3,555,266	3,976,709
5					
6	Seasonal Agricultural	15,444	92,863,499	320,184	316,906
7					
8	20 kW and Below	733,188	1,769,283,492	7,926,384	7,908,965
9					
10	Annual Load Factor				
11	0%to 10%	191,520	671,410,979	7,084,253	9,884,024
12	11%to 15%	156,288	1,093,242,790	6,763,744	8,454,605
13	16%to 20%	170,916	1,960,804,900	9,707,995	11,641,717
14	21%to 25%	164,556	2,525,016,262	10,373,530	12,091,884
15					
16	Remaining	<u>821,208</u>	<u>35,257,487,399</u>	<u>85,585,117</u>	<u>93,532,401</u>
17	Total	2,349,252	44,560,388,285	131,316,473	147,807,211
18					
19	Change in Units for:				
20		Number of		Demand (kW)	
21	Description	Bills	kWh	Actual	Billing
22	Annualization,	3.9929%	2.6460%	-	4.6964%
23	Customers &				
24	Weather				
25					
26		Adjusted Customer Statistics			
27		Number of		Demand (kW)	
28	Description	Bills	kWh	Actual	Billing
29	Move in	99,970	1,221,773,887	3,722,237	4,163,473
30					
31	Seasonal Agricultural	16,061	95,320,678	335,221	331,789
32					
33	20 kW and Below	762,464	1,816,098,944	8,298,642	8,280,405
34					
35	Annual Load Factor				
36	0%to 10%	199,167	689,176,594	7,416,961	10,348,221
37	11%to 15%	162,528	1,122,170,125	7,081,399	8,851,670
38	16%to 20%	177,741	2,012,688,032	10,163,925	12,188,463
39	21%to 25%	171,127	2,591,828,494	10,860,716	12,659,772
40					
41	Remaining	<u>853,998</u>	<u>36,190,404,724</u>	<u>89,604,569</u>	<u>97,925,092</u>
42	Total	2,443,056	45,739,461,477	137,483,669	154,748,884
43					
44		2021 Booked and Adjusted Bills, kWh, and kW			
45					
46		2,365,981	27,185,268,879		108,531,029
47		<u>64,294</u>	<u>17,745,007,406</u>		<u>47,639,387</u>
48	Book	2,430,275	44,930,276,285		156,170,416
49					
50		2,377,704	27,546,431,395		108,387,525
51		<u>65,352</u>	<u>18,193,030,082</u>		<u>46,361,359</u>
52	Adjusted	2,443,056	45,739,461,477		154,748,884
53					
54		<u>Adjustment</u>	<u>Adjustment</u>		<u>Adjustment</u>
55	Line 52/Line 48	1.039929	1.026460119		1.04696437

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

SPONSOR: MATTHEW A. TROXLE

BILLING UNIT STATISTICS
SECONDARY SERVICE GREATER THAN 10 KW

Line No.	(a)	(b)	(c)	(d)
1	Class Billing Statistics	Billing		
2	Number of Annual Bills	Units		
3	Actual kWh	2,443,056		
4	Annual distribution Billing kW	45,739,461,477		
5		154,748,884		
6				
7		Revenue	Unit	
8	Function	Requirement	Charge	
9	Distribution	818,254,176	5.29	per kW
10	Meter	53,110,886	21.74	per month
11	Other Services (TDCS)	27,857,670	11.40	per month
12				
13		Distribution Function		
14	Annual Load Factor	Billing kW	Revenue	
15	0%to 10%	10,348,221	54,717,519	
16	11%to 15%	8,851,670	46,804,319	
17	16%to 20%	12,188,463	64,448,030	
18	21%to 25%	12,659,772	66,940,134	
19			232,910,003	
20				
21		Calculated (Load Factor) Distribution Function		
22	Annual Load Factor	LF Billing kW	Unit Charge	Revenue
23	0% to 10%	7,416,961	7.37735076	54,717,519
24	11% to 15%	7,081,399	6.60947348	46,804,319
25	16% to 20%	10,163,925	6.34086049	64,448,030
26	21% to 25%	10,860,716	6.16351006	66,940,134
				232,910,003

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

SPONSOR: MATTHEW A. TROXLE

Calculation of Cost Allocation Factors Using - Average and Excess Method:

Line No.	(a)	(b)	(c)	(d)	(e)	(f)
1		System Statistics - Annual Sales and Noncoincident Peak				
2		Annual kWh		Class Peak (Jan - Dec)		
3		kWh	kW	kW		
4	Class	Source*	Average	Actual**	Excess	
5	Residential	47,769,624,698	5,453,154	15,210,693	9,757,539	
6	Secondary < 10	1,949,367,342	222,531	371,448	148,917	
7	Secondary >10	47,439,931,656	5,415,517	9,793,744	4,378,227	
8	Primary < 10	28,244,406	3,224	5,537	2,313	
9	Primary >10 DLS	17,484,003,311	1,995,891	2,343,456	347,565	
10	Primary > 10 Substation	6,367,227,326	726,852	847,475	120,623	
11	Transmission	21,076,754,598	2,406,022	2,790,486	384,464	
12	Lighting	<u>394,106,940</u>	<u>44,989</u>	<u>98,784</u>	<u>53,795</u>	
13		142,509,260,277	16,268,180	31,461,623	15,193,443	
14						
15		Calculated Noncoincident Peak Average and Excess Demand Allocation Factors				
16		% of Total - System Stats		Class Weight of System L.F.		Class
17	Class	Average	Excess	Average	Excess	Factor
18	Residential	0.33520366	0.64222044	0.20400519	0.25136460	0.45536979
19	Secondary < 10	0.01367888	0.00980143	0.00832498	0.00383627	0.01216125
20	Secondary >10	0.33289017	0.28816555	0.20259721	0.11278778	0.31538499
21	Primary < 10	0.00019819	0.00015222	0.00012062	0.00005958	0.00018020
22	Primary >10 DLS	0.12268679	0.02287600	0.07466727	0.00895365	0.08362092
23	Primary > 10 Substation	0.04467939	0.00793912	0.02719191	0.00310737	0.03029928
24	Transmission	0.14789744	0.02530459	0.09001049	0.00990420	0.09991469
25	Lighting	<u>0.00276548</u>	<u>0.00354065</u>	<u>0.00168307</u>	<u>0.00138581</u>	<u>0.00306888</u>
26		1.00000000	1.00000000	0.60860074	0.39139926	1.00000000
27						
28	SYSTEM PEAK DEMAND		26,730,464	9/1/2021	16:30	
29						
30	SYSTEM LOAD FACTOR		0.60860075			

*II-H-1.4 column (i)

**II-H-1.4 column (c)

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

Line #	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
1								
2								
3		<u>Line Reference</u>	<u>Line Description</u>					
4		[a]	# of Lights on 01/03/22	42,710	1,112	12,071	5,886	780
5		[b]	Fully Loaded Installed Cost	\$2,394	\$2,429	\$2,636	\$2,813	\$2,981
6		[c]	Monthly kWh Usage	15	30	45	55	80
7			Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :					
8			Installed Cost - Based Revenue Requirement :					
9		[d] = [b] / [b _{55w LED_CH}]	Normalization Factor (NF) ¹	1.000000	1.014948	1.101193	1.175034	1.245374
10		[d1] = [a] * [d]	Weighted NF	42,710.000	1,128.622	13,292.501	6,916.250	971.392
11		[d2] = [d1] / Σ[d1]	% of Total Weighted NF	11.1173%	0.2938%	3.4600%	1.8003%	0.2528%
12		[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost	\$3,649,672	\$96,451	\$1,135,875	\$591,016	\$82,991
13			Load - Based Revenue Requirement :					
14		[e] = [c] / [c _{55w LED_CH}]	Normalization Factor (NF) ³	1.000000	2.000000	3.000000	3.666667	5.333333
15		[e1] = [a] * [e]	Weighted NF	42,710.000	2,224.000	36,213.000	21,582.002	4,160.000
16		[e2] = [e1] / Σ[e1]	% of Total Weighted NF	3.5301%	0.1838%	2.9931%	1.7838%	0.3438%
17		[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost	\$117,577	\$6,122	\$99,691	\$59,413	\$11,451
18			Maintenance - Based Revenue Requirement :					
19		[f]	Normalization Factor (NF) ⁴	1.000000	1.005979	1.040477	1.070014	1.098150
20		[f1] = [a] * [f]	Weighted NF	42,710.000	1,118.649	12,559.598	6,298.102	856.557
21		[f2] = [f1] / Σ[f1]	% of Total Weighted NF	11.8150%	0.3095%	3.4744%	1.7423%	0.2370%
22		[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost	\$935,433	\$24,504	\$275,080	\$137,944	\$18,764
23			Per Light - Based Revenue Requirement :					
24		[g] = [a] / Σ[a]	% of Total # of Lights	12.3310%	0.3211%	3.4851%	1.6994%	0.2252%
25		[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost	\$1,022,659	\$26,630	\$289,033	\$140,938	\$18,677
26		[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals	\$5,725,341	\$153,707	\$1,799,679	\$929,311	\$131,883
27			Revenue - Based Revenue Requirement :					
28		[k] = [h] / Σ[h]	% of Total Weighted Cost	10.9324%	0.2935%	3.4365%	1.7745%	0.2518%
29		[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost	(\$361,252)	(\$9,698)	(\$113,556)	(\$58,637)	(\$8,321)
30		[m] = [h] + [k1]	Total Cost	\$5,364,089	\$144,009	\$1,686,123	\$870,674	\$123,562
31		[p] = [m] / ([a] * 12)	Monthly Rate	\$10.47	\$10.79	\$11.64	\$12.33	\$13.20
32		[r]	Current Rate	\$11.52	\$11.91	\$12.71	\$13.30	\$15.40
33		[s] = [p]/[r] - 1	% Increase (Decr)⁵	-9.11%	-9.40%	-8.42%	-7.29%	-14.29%

34 1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55
35 watt LED Cobra Head light on Schedule A.
36 2 - Refer to tab entitled "Revenue Req "
37 3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt
38 LED Cobra Head light on Schedule A.
39 4 - The Maintenance Normalization Factor is based on an
40 assumption that 60% of the maintenance costs are incurred on
a per light basis (i.e., the cost is the same for all lights) and
40% is related to the installed cost shown in line (b).
5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[I]	[J]	[K]	[L]	[M]	[N]	[O]
			Schedule A LED Rectangular			Schedule A LED Post Top		Schedule A LED Historical	
Line Reference	Line Description		0 - 55 w	56 - 100 w	101 - 140 w	0 - 55 w	56 - 100 w	0 - 55 w	56 - 100 w
[a]	# of Lights on 01/03/22		57	215	176	2,809	64	644	1,432
[b]	Fully Loaded Installed Cost		\$5,416	\$5,586	\$5,662	\$3,369	\$3,387	\$7,315	\$7,315
[c]	Monthly kWh Usage		15	30	45	15	30	15	30
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :									
Installed Cost - Based Revenue Requirement :									
[d] = [b] / [b _{55w LED_CH}]	Normalization Factor (NF) ¹		2.262545	2.333804	2.365342	1.407319	1.414952	3.056165	3.056165
[d1] = [a] * [d]	Weighted NF		128.965	501.768	416.300	3,953.159	90.557	1,968.170	4,376.428
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		0.0336%	0.1306%	0.1084%	1.0290%	0.0236%	0.5123%	1.1392%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$11,030	\$42,874	\$35,586	\$337,808	\$7,748	\$168,182	\$373,985
Load - Based Revenue Requirement :									
[e] = [c] / [c _{55w LED_CH}]	Normalization Factor (NF) ³		1.000000	2.000000	3.000000	1.000000	2.000000	1.000000	2.000000
[e1] = [a] * [e]	Weighted NF		57.000	430.000	528.000	2,809.000	128.000	644.000	2,864.000
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		0.0047%	0.0355%	0.0436%	0.2322%	0.0106%	0.0532%	0.2367%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$157	\$1,182	\$1,452	\$7,734	\$353	\$1,772	\$7,884
Maintenance - Based Revenue Requirement :									
[f]	Normalization Factor (NF) ⁴		1.505018	1.533522	1.546137	1.162928	1.165981	1.822466	1.822466
[f1] = [a] * [f]	Weighted NF		85.786	329.707	272.120	3,266.665	74.623	1,173.668	2,609.771
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		0.0237%	0.0912%	0.0753%	0.9037%	0.0206%	0.3247%	0.7220%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$1,876	\$7,221	\$5,962	\$71,549	\$1,631	\$25,708	\$57,163
Per Light - Based Revenue Requirement :									
[g] = [a] / Σ[a]	% of Total # of Lights		0.0165%	0.0621%	0.0508%	0.8110%	0.0185%	0.1859%	0.4134%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$1,368	\$5,150	\$4,213	\$67,259	\$1,534	\$15,417	\$34,285
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$14,431	\$56,427	\$47,213	\$484,350	\$11,266	\$211,079	\$473,317
Revenue - Based Revenue Requirement :									
[k] = [h] / Σ[h]	% of Total Weighted Cost		0.0276%	0.1077%	0.0902%	0.9249%	0.0215%	0.4031%	0.9038%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		(\$912)	(\$3,559)	(\$2,981)	(\$30,563)	(\$710)	(\$13,320)	(\$29,865)
[m] = [h] + [k1]	Total Cost		\$13,519	\$52,868	\$44,232	\$453,787	\$10,556	\$197,759	\$443,452
[p] = [m] / ([a]* 12)	Monthly Rate		\$20.06	\$20.84	\$21.44	\$13.46	\$13.74	\$25.59	\$25.81
[r]	Current Rate		\$25.14	\$25.99	\$27.28	\$13.92	\$14.30	\$28.59	\$29.76
[s] = [p]/[r] - 1	% Increase (Decr)⁵		-20.21%	-19.82%	-21.41%	-3.30%	-3.92%	-10.49%	-13.27%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
2 - Refer to tab entitled "Revenue Req."
3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[P]	[Q]	[R]
Schedule A					
Mercury Vapor					
<u>Line Reference</u>	<u>Line Description</u>		<u>175 w</u>	<u>400 w</u>	<u>1000 w</u>
[a]	# of Lights on 01/03/22		6,886	1,484	5
[b]	Fully Loaded Installed Cost		\$2,394	\$2,636	\$2,981
[c]	Monthly kWh Usage		70	150	370
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :					
Installed Cost - Based Revenue Requirement :					
[d] = [b] / [b _{55w LED_CH}]	Normalization Factor (NF) ¹		1.000000	1.101193	1.245374
[d1] = [a] * [d]	Weighted NF		6,886.000	1,634.170	6.227
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		1.7924%	0.4254%	0.0016%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$588,423	\$139,654	\$525
Load - Based Revenue Requirement :					
[e] = [c] / [c _{55w LED_CH}]	Normalization Factor (NF) ³		4.666667	10.000000	24.666667
[e1] = [a] * [e]	Weighted NF		32,134.669	14,840.000	123.333
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		2.6560%	1.2266%	0.0102%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$88,463	\$40,854	\$340
Maintenance - Based Revenue Requirement :					
[f]	Normalization Factor (NF) ⁴		1.000000	1.040477	1.098150
[f1] = [a] * [f]	Weighted NF		6,886.000	1,544.068	5.491
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		1.9049%	0.4271%	0.0015%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$150,817	\$33,815	\$119
Per Light - Based Revenue Requirement :					
[g] = [a] / Σ[a]	% of Total # of Lights		1.9881%	0.4285%	0.0014%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$164,881	\$35,537	\$116
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$992,584	\$249,860	\$1,100
Revenue - Based Revenue Requirement :					
[k] = [h] / Σ[h]	% of Total Weighted Cost		1.8953%	0.4771%	0.0021%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		(\$62,629)	(\$15,765)	(\$69)
[m] = [h] + [k1]	Total Cost		\$929,955	\$234,095	\$1,031
[p] = [m] / ([a]* 12)	Monthly Rate		\$11.25	\$13.15	\$17.18
[r]	Current Rate		\$10.65	\$11.86	\$15.00
[s] = [p]/[r] - 1	% Increase (Decr)⁵		5.63%	10.88%	14.53%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.

2 - Refer to tab entitled "Revenue Req."

3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.

4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).

5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[S]	[T]	[U]	[V]	[W]	[X]
Schedule A								
Sodium Vapor								
<u>Line Reference</u>	<u>Line Description</u>		<u>100</u>	<u>150</u>	<u>200</u>	<u>250</u>	<u>400</u>	<u>1000</u>
[a]	# of Lights on 01/03/22		167,799	10,319	30,851	35,305	1,375	4
[b]	Fully Loaded Installed Cost		\$2,394	\$2,429	\$2,636	\$2,813	\$2,981	\$2,981
[c]	Monthly kWh Usage		40	70	80	100	160	375
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :								
Installed Cost - Based Revenue Requirement :								
[d] = [b] / [b _{SSW LED_CH}]	Normalization Factor (NF) ¹		1.000000	1.014948	1.101193	1.175034	1.245374	1.245374
[d1] = [a] * [d]	Weighted NF		167,799.000	10,473.248	33,972.905	41,484.575	1,712.389	4.982
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		43.6774%	2.7261%	8.8430%	10.7983%	0.4457%	0.0013%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$14,338,750	\$894,945	\$2,903,048	\$3,544,948	\$146,318	\$427
Load - Based Revenue Requirement :								
[e] = [c] / [c _{SSW LED_CH}]	Normalization Factor (NF) ³		2.666667	4.666667	5.333333	6.666667	10.666667	25.000000
[e1] = [a] * [e]	Weighted NF		447,464.056	48,155.337	164,538.656	235,366.678	14,666.667	100.000
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		36.9845%	3.9802%	13.5997%	19.4539%	1.2123%	0.0083%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$1,231,841	\$132,568	\$452,965	\$647,950	\$40,378	\$276
Maintenance - Based Revenue Requirement :								
[f]	Normalization Factor (NF) ⁴		1.000000	1.005979	1.040477	1.070014	1.098150	1.098150
[f1] = [a] * [f]	Weighted NF		167,799.000	10,380.697	32,099.756	37,776.844	1,509.956	4.393
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		46.4189%	2.8717%	8.8799%	10.4503%	0.4177%	0.0012%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$3,675,139	\$227,362	\$703,051	\$827,385	\$33,071	\$95
Per Light - Based Revenue Requirement :								
[g] = [a] / Σ[a]	% of Total # of Lights		48.4460%	2.9792%	8.9071%	10.1931%	0.3970%	0.0012%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$4,017,820	\$247,077	\$738,701	\$845,354	\$32,925	\$100
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$23,263,550	\$1,501,952	\$4,797,765	\$5,865,637	\$252,692	\$898
Revenue - Based Revenue Requirement :								
[k] = [h] / Σ[h]	% of Total Weighted Cost		44.4213%	2.8679%	9.1612%	11.2003%	0.4825%	0.0017%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		(\$1,467,863)	(\$94,767)	(\$302,724)	(\$370,104)	(\$15,944)	(\$56)
[m] = [h] + [k1]	Total Cost		\$21,795,687	\$1,407,185	\$4,495,041	\$5,495,533	\$236,748	\$842
[p] = [m] / ([a]* 12)	Monthly Rate		\$10.82	\$11.36	\$12.14	\$12.97	\$14.35	\$17.54
[r]	Current Rate		\$10.31	\$10.86	\$10.99	\$11.21	\$12.60	\$14.78
[s] = [p]/[r] - 1	% Increase (Decr)⁵		4.95%	4.60%	10.46%	15.70%	13.89%	18.67%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
 2 - Refer to tab entitled "Revenue Req"
 3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
 4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
 5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[Y]	[Z]	[AA]	[AB]	[AC]
Schedule A							
Metal Halide							
<u>Line Reference</u>	<u>Line Description</u>		<u>150</u>	<u>175</u>	<u>250</u>	<u>400</u>	<u>1000</u>
[a]	# of Lights on 01/03/22		3,833	2,234	1,376	584	251
[b]	Fully Loaded Installed Cost		\$2,429	\$2,429	\$2,813	\$2,981	\$2,981
[c]	Monthly kWh Usage		65	65	100	160	370
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :							
Installed Cost - Based Revenue Requirement :							
[d] = [b] / [b _{55w LED_CH}]	Normalization Factor (NF) ¹		1.014948	1.014948	1.175034	1.245374	1.245374
[d1] = [a] * [d]	Weighted NF		3,890.296	2,267.394	1,616.847	727.298	312.589
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		1.0126%	0.5902%	0.4209%	0.1893%	0.0814%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$332,424	\$193,755	\$138,176	\$62,145	\$26,723
Load - Based Revenue Requirement :							
[e] = [c] / [c _{55w LED_CH}]	Normalization Factor (NF) ³		4.333333	4.333333	6.666667	10.666667	24.666667
[e1] = [a] * [e]	Weighted NF		16,609.665	9,680.666	9,173.334	6,229.334	6,191.333
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		1.3728%	0.8001%	0.7582%	0.5149%	0.5117%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$45,724	\$26,649	\$25,253	\$17,150	\$17,043
Maintenance - Based Revenue Requirement :							
[f]	Normalization Factor (NF) ⁴		1.005979	1.005979	1.070014	1.098150	1.098150
[f1] = [a] * [f]	Weighted NF		3,855.918	2,247.357	1,472.339	641.320	275.636
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		1.0667%	0.6217%	0.4073%	0.1774%	0.0763%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$84,454	\$49,222	\$32,247	\$14,045	\$6,041
Per Light - Based Revenue Requirement :							
[g] = [a] / Σ[a]	% of Total # of Lights		1.1066%	0.6450%	0.3973%	0.1686%	0.0725%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$91,775	\$53,492	\$32,950	\$13,983	\$6,013
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$554,377	\$323,118	\$228,626	\$107,323	\$55,820
Revenue - Based Revenue Requirement :							
[k] = [h] / Σ[h]	% of Total Weighted Cost		1.0586%	0.6170%	0.4366%	0.2049%	0.1066%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		(\$34,981)	(\$20,388)	(\$14,427)	(\$6,771)	(\$3,523)
[m] = [h] + [k1]	Total Cost		\$519,396	\$302,730	\$214,199	\$100,552	\$52,297
[p] = [m] / ([a]* 12)	Monthly Rate		\$11.71	\$11.71	\$13.34	\$14.35	\$17.36
[r]	Current Rate		\$12.42	\$12.42	\$14.15	\$14.60	\$17.86
[s] = [p]/[r] - 1	% Increase (Decr)⁵		-5.72%	-5.72%	-5.72%	-1.71%	-2.80%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
2 - Refer to tab entitled "Revenue Req."
3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[AD]	[AE]	[AF]
Schedule B					
Mercury Vapor					
<u>Line Reference</u>	<u>Line Description</u>		<u>175</u>	<u>400</u>	<u>1000</u>
[a]	# of Lights on 01/03/22		58	272	1
[b]	Fully Loaded Installed Cost		\$4,238	\$5,258	\$5,603
[c]	Monthly kWh Usage		70	150	370
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :					
Installed Cost - Based Revenue Requirement :					
[d] = [b] / [b _{SSW LED_CH}]	Normalization Factor (NF) ¹		1.770518	2.196549	2.340735
[d1] = [a] * [d]	Weighted NF		102.690	597.461	2.341
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		0.0267%	0.1555%	0.0006%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$8,765	\$51,049	\$197
Load - Based Revenue Requirement :					
[e] = [c] / [c _{SSW LED_CH}]	Normalization Factor (NF) ³		4.666667	10.000000	24.666667
[e1] = [a] * [e]	Weighted NF		270.667	2,720.000	24.667
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		0.0224%	0.2248%	0.0020%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$746	\$7,487	\$67
Maintenance - Based Revenue Requirement :					
[f]	Normalization Factor (NF) ⁴		1.308207	1.478620	1.536294
[f1] = [a] * [f]	Weighted NF		75.876	402.185	1.536
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		0.0210%	0.1113%	0.0004%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$1,663	\$8,812	\$32
Per Light - Based Revenue Requirement :					
[g] = [a] / Σ[a]	% of Total # of Lights		0.0167%	0.0785%	0.0003%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$1,385	\$6,510	\$25
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$12,559	\$73,858	\$321
Revenue - Based Revenue Requirement :					
[k] = [h] / Σ[h]	% of Total Weighted Cost		0.0240%	0.1410%	0.0006%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		(\$793)	(\$4,659)	(\$20)
[m] = [h] + [k1]	Total Cost		\$11,766	\$69,199	\$301
[p] = [m] / ([a]* 12)	Monthly Rate		\$16.91	\$21.20	\$25.08
[r]	Current Rate		\$14.88	\$19.70	\$23.73
[s] = [p]/[r] - 1	% Increase (Decr)⁵		13.64%	7.61%	5.69%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
2 - Refer to tab entitled "Revenue Req."
3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[AG]	[AH]	[AI]	[AJ]	[AK]	[AL]
Schedule B								
Sodium Vapor								
<u>Line Reference</u>	<u>Line Description</u>		<u>100</u>	<u>150</u>	<u>200</u>	<u>250</u>	<u>400</u>	<u>1000</u>
[a]	# of Lights on 01/03/22		2,084	2,001	5,608	4,817	348	1
[b]	Fully Loaded Installed Cost		\$4,238	\$5,051	\$5,258	\$5,435	\$5,603	\$5,603
[c]	Monthly kWh Usage		40	70	80	100	160	375
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :								
Installed Cost - Based Revenue Requirement :								
[d] = [b] / [b _{SSW LED_CH}]	Normalization Factor (NF) ¹		1.770518	2.110304	2.196549	2.270390	2.340735	2.340735
[d1] = [a] * [d]	Weighted NF		3,689.760	4,222.718	12,318.247	10,936.469	814.576	2.341
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		0.9604%	1.0992%	3.2064%	2.8467%	0.2120%	0.0006%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$315,287	\$360,854	\$1,052,621	\$934,536	\$69,597	\$197
Load - Based Revenue Requirement :								
[e] = [c] / [c _{SSW LED_CH}]	Normalization Factor (NF) ³		2.666667	4.666667	5.333333	6.666667	10.666667	25.000000
[e1] = [a] * [e]	Weighted NF		5,557.334	9,338.001	29,909.332	32,113.335	3,712.000	25.000
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		0.4593%	0.7718%	2.4721%	2.6543%	0.3068%	0.0021%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$15,298	\$25,706	\$82,338	\$88,407	\$10,219	\$70
Maintenance - Based Revenue Requirement :								
[f]	Normalization Factor (NF) ⁴		1.308207	1.444122	1.478620	1.508156	1.536294	1.536294
[f1] = [a] * [f]	Weighted NF		2,726.303	2,889.688	8,292.101	7,264.788	534.630	1.536
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		0.7542%	0.7994%	2.2939%	2.0097%	0.1479%	0.0004%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$59,713	\$63,291	\$181,616	\$159,115	\$11,710	\$32
Per Light - Based Revenue Requirement :								
[g] = [a] / Σ[a]	% of Total # of Lights		0.6017%	0.5777%	1.6191%	1.3907%	0.1005%	0.0003%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$49,901	\$47,911	\$134,278	\$115,336	\$8,335	\$25
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$440,199	\$497,762	\$1,450,853	\$1,297,394	\$99,861	\$324
Revenue - Based Revenue Requirement :								
[k] = [h] / Σ[h]	% of Total Weighted Cost		0.8406%	0.9505%	2.7704%	2.4774%	0.1907%	0.0006%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		(\$27,777)	(\$31,408)	(\$91,545)	(\$81,864)	(\$6,302)	(\$20)
[m] = [h] + [k1]	Total Cost		\$412,422	\$466,354	\$1,359,308	\$1,215,530	\$93,559	\$304
[p] = [m] / ([a]* 12)	Monthly Rate		\$16.49	\$19.42	\$20.20	\$21.03	\$22.40	\$25.33
[r]	Current Rate		\$14.84	\$16.70	\$19.39	\$19.63	\$22.25	\$23.72
[s] = [p]/[r] - 1	% Increase (Decr)⁵		11.12%	16.29%	4.18%	7.13%	0.67%	6.79%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
2 - Refer to tab entitled "Revenue Req."
3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the Installed cost shown in line (b).
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2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[AM]	[AN]	[AO]	[AP]	[AQ]
Schedule B							
Metal Halide							
<u>Line Reference</u>	<u>Line Description</u>		<u>150</u>	<u>175</u>	<u>250</u>	<u>400</u>	<u>1000</u>
[a]	# of Lights on 01/03/22		0	8	0	109	16
[b]	Fully Loaded Installed Cost		\$5,051	\$5,051	\$5,435	\$5,603	\$5,603
[c]	Monthly kWh Usage		65	65	100	160	370
Allocation of the Unmetered Sl. Rev. Requirement to each light type and wattage - by Cost Component :							
Installed Cost - Based Revenue Requirement :							
[d] = [b] / [b _{SSW LED_CH}]	Normalization Factor (NF) ¹		2.110304	2.110304	2.270390	2.340735	2.340735
[d1] = [a] * [d]	Weighted NF		0.000	16.882	0.000	255.140	37.452
[d2] = [d1] / Σ[d1]	% of Total Weighted NF		0.0000%	0.0044%	0.0000%	0.0664%	0.0097%
[d3] = [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost		\$0	\$1,444	\$0	\$21,798	\$3,184
Load - Based Revenue Requirement :							
[e] = [c] / [c _{SSW LED_CH}]	Normalization Factor (NF) ³		4.333333	4.333333	6.666667	10.666667	24.666667
[e1] = [a] * [e]	Weighted NF		0.000	34.667	0.000	1,162.667	394.667
[e2] = [e1] / Σ[e1]	% of Total Weighted NF		0.0000%	0.0029%	0.0000%	0.0961%	0.0326%
[e3] = [e2] * Load-Based Rev. Req. ²	Weighted Cost		\$0	\$97	\$0	\$3,201	\$1,086
Maintenance - Based Revenue Requirement :							
[f]	Normalization Factor (NF) ⁴		1.444122	1.444122	1.508156	1.536294	1.536294
[f1] = [a] * [f]	Weighted NF		0.000	11.553	0.000	167.456	24.581
[f2] = [f1] / Σ[f1]	% of Total Weighted NF		0.0000%	0.0032%	0.0000%	0.0463%	0.0068%
[f3] = [f2] * Maint-Based Rev. Req. ²	Weighted Cost		\$0	\$253	\$0	\$3,666	\$538
Per Light - Based Revenue Requirement :							
[g] = [a] / Σ[a]	% of Total # of Lights		0.0000%	0.0023%	0.0000%	0.0315%	0.0046%
[g1] = [g] * Per Light-Based Rev. Req. ²	Weighted Cost		\$0	\$191	\$0	\$2,612	\$381
[h] = [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals		\$0	\$1,985	\$0	\$31,277	\$5,189
Revenue - Based Revenue Requirement :							
[k] = [h] / Σ[h]	% of Total Weighted Cost		0.0000%	0.0038%	0.0000%	0.0597%	0.0099%
[k1] = [k] * Revenue-Based Rev. Req. ²	Weighted Cost		\$0	(\$126)	\$0	(\$1,973)	(\$327)
[m] = [h] + [k1]	Total Cost		\$0	\$1,859	\$0	\$29,304	\$4,862
[p] = [m] / ([a]* 12)	Monthly Rate		N/A	\$19.36	N/A	\$22.40	\$25.32
[r]	Current Rate		\$19.33	\$19.33	\$22.54	\$22.54	\$25.77
[s] = [p]/[r] - 1	% Increase (Decr)⁵		N/A	0.16%	N/A	-0.62%	-1.75%

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
 2 - Refer to tab entitled "Revenue Req."
 3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
 4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
 5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[AR]	[AS]	[AT]	[AU]	[AV]
		Historical				Incandescent	
Line Reference	Line Description	MV 175	SV 100	SV 150	MH 175	all	
[a]	# of Lights on 01/03/22	32	254	62	14	23	
[b]	Fully Loaded Installed Cost	\$7,315	\$7,315	\$7,315	\$7,315	\$2,394	
[c]	Monthly kWh Usage	70	40	70	65	40	
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :							
Installed Cost - Based Revenue Requirement :							
[d]	= [b] / [b _{SSW LED,CH}] Normalization Factor (NF) ¹	3.056165	3.056165	3.056165	3.056165	1.000000	
[d1]	= [a] * [d] Weighted NF	97.797	776.266	189.482	42.786	23.000	
[d2]	= [d1] / Σ[d1] % of Total Weighted NF	0.0255%	0.2021%	0.0493%	0.0111%	0.0060%	
[d3]	= [d2] * Installed Cost-Based Rev. Req. ² Weighted Cost	\$8,371	\$66,347	\$16,185	\$3,644	\$1,970	
Load - Based Revenue Requirement :							
[e]	= [c] / [C _{SSW LED,CH}] Normalization Factor (NF) ³	4.666667	2.666667	4.666667	4.333333	2.666667	
[e1]	= [a] * [e] Weighted NF	149.333	677.333	289.333	60.667	61.333	
[e2]	= [e1] / Σ[e1] % of Total Weighted NF	0.0123%	0.0560%	0.0239%	0.0050%	0.0051%	
[e3]	= [e2] * Load-Based Rev. Req. ² Weighted Cost	\$410	\$1,865	\$796	\$167	\$170	
Maintenance - Based Revenue Requirement :							
[f]	Normalization Factor (NF) ⁴	1.822466	1.822466	1.822466	1.822466	1.000000	
[f1]	= [a] * [f] Weighted NF	58.319	462.906	112.993	25.515	23.000	
[f2]	= [f1] / Σ[f1] % of Total Weighted NF	0.0161%	0.1281%	0.0313%	0.0071%	0.0064%	
[f3]	= [f2] * Maint-Based Rev. Req. ² Weighted Cost	\$1,275	\$10,142	\$2,478	\$562	\$507	
Per Light - Based Revenue Requirement :							
[g]	= [a] / Σ[a] % of Total # of Lights	0.0092%	0.0733%	0.0179%	0.0040%	0.0066%	
[g1]	= [g] * Per Light-Based Rev. Req. ² Weighted Cost	\$763	\$6,079	\$1,485	\$332	\$547	
[h]	= [d3]+[e3]+[f3]+[g1] Wt. Cost Subtotals	\$10,819	\$84,433	\$20,944	\$4,705	\$3,194	
Revenue - Based Revenue Requirement :							
[k]	= [h] / Σ[h] % of Total Weighted Cost	0.0207%	0.1612%	0.0400%	0.0090%	0.0061%	
[k1]	= [k] * Revenue-Based Rev. Req. ² Weighted Cost	(\$684)	(\$5,327)	(\$1,322)	(\$297)	(\$202)	
[m]	= [h] + [k1] Total Cost	\$10,135	\$79,106	\$19,622	\$4,408	\$2,992	
[p]	= [m] / ([a]* 12) Monthly Rate	\$14.39	\$13.95	\$14.37	\$17.24	\$10.84	
[r]	Current Rate	\$10.64	\$10.31	\$10.86	\$12.47	\$10.31	
[s]	= [p]/[r] - 1 % Increase (Decr)⁵	35.24%	35.31%	32.32%	38.25%	5.14%	

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
2 - Refer to tab entitled "Revenue Req."
3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
5 - Excludes changes in the Point of Delivery (POD) Charge

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
MONTHLY RATES FOR UNMETERED FACILITIES - SCHEDULES A and B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

[A]	[B]	[C]	[AW]	[AX]	[AY]	[AZ]	[BA]	[BB]	[BC]	[BD]
		Rectangular					Post Top			
<u>Line Reference</u>	<u>Line Description</u>	<u>175</u>	<u>100</u>	<u>250</u>	<u>400</u>	<u>1000</u>	<u>175</u>	<u>100</u>	<u>Row Totals</u>	
[a]	# of Lights on 01/03/22	40	58	31	58	92	3	111	346,363	
[b]	Fully Loaded Installed Cost	\$5,416	\$5,416	\$5,662	\$5,662	\$5,662	\$3,369	\$3,369		
[c]	Monthly kWh Usage	70	40	100	160	370	70	40		
Allocation of the Unmetered SL Rev. Requirement to each light type and wattage - by Cost Component :										
Installed Cost - Based Revenue Requirement :										
[d]	= [b] / [b _{SSW LED_CH}]	Normalization Factor (NF) ¹								
		2.262545	2.262545	2.365342	2.365342	2.365342	1.407319	1.407319		
[d1]	= [a] * [d]	Weighted NF								
		90.502	131.228	73.326	137.190	217.612	4.222	156.212	384,177.732	
[d2]	= [d1] / Σ[d1]	% of Total Weighted NF								
		0.0236%	0.0342%	0.0191%	0.0357%	0.0566%	0.0011%	0.0407%	1.0000	
[d3]	= [d2] * Installed Cost-Based Rev. Req. ²	Weighted Cost								
		\$7,748	\$11,227	\$6,270	\$11,720	\$18,581	\$361	\$13,361	\$32,828,793	
Load - Based Revenue Requirement :										
[e]	= [c] / [c _{SSW LED_CH}]	Normalization Factor (NF) ³								
		4.666667	2.666667	6.666667	10.666667	24.666667	4.666667	2.666667		
[e1]	= [a] * [e]	Weighted NF								
		186.667	154.667	206.667	618.667	2,269.333	14.000	296.000	1,209,869.066	
[e2]	= [e1] / Σ[e1]	% of Total Weighted NF								
		0.0154%	0.0128%	0.0171%	0.0511%	0.1876%	0.0012%	0.0245%	1.0000	
[e3]	= [e2] * Load-Based Rev. Req. ²	Weighted Cost								
		\$513	\$426	\$570	\$1,702	\$6,248	\$40	\$816	\$3,330,687	
Maintenance - Based Revenue Requirement :										
[f]		Normalization Factor (NF) ⁴								
		1.505018	1.505018	1.546137	1.546137	1.546137	1.162928	1.162928	69.9708	
[f1]	= [a] * [f]	Weighted NF								
		60.201	87.291	47.930	89.676	142.245	3.489	129.085	361,488.903	
[f2]	= [f1] / Σ[f1]	% of Total Weighted NF								
		0.0167%	0.0241%	0.0133%	0.0248%	0.0393%	0.0010%	0.0357%	1.0000	
[f3]	= [f2] * Maint-Based Rev. Req. ²	Weighted Cost								
		\$1,322	\$1,908	\$1,053	\$1,963	\$3,112	\$79	\$2,826	\$7,917,366	
Per Light - Based Revenue Requirement :										
[g]	= [a] / Σ[a]	% of Total # of Lights								
		0.0115%	0.0167%	0.0090%	0.0167%	0.0266%	0.0009%	0.0320%	1.0000	
[g1]	= [g] * Per Light-Based Rev. Req. ²	Weighted Cost								
		\$954	\$1,385	\$746	\$1,385	\$2,206	\$75	\$2,654	\$8,293,388	
[h]	= [d3]+[e3]+[f3]+[g1]	Wt. Cost Subtotals								
		\$10,537	\$14,946	\$8,639	\$16,770	\$30,147	\$555	\$19,657	\$52,370,234	
Revenue - Based Revenue Requirement :										
[k]	= [h] / Σ[h]	% of Total Weighted Cost								
		0.0201%	0.0285%	0.0165%	0.0320%	0.0576%	0.0011%	0.0375%	1.0000	
[k1]	= [k] * Revenue-Based Rev. Req. ²	Weighted Cost								
		(\$664)	(\$942)	(\$545)	(\$1,057)	(\$1,903)	(\$36)	(\$1,239)	(\$3,304,417)	
[m]	= [h] + [k1]	Total Cost								
		\$9,873	\$14,004	\$8,094	\$15,713	\$28,244	\$519	\$18,418	\$49,065,817	
[p]	= [m] / ([a]* 12)	Monthly Rate								
		\$24.57	\$24.12	\$23.76	\$33.58	\$36.58	\$12.42	\$11.83		
[r]		Current Rate								
		\$26.53	\$25.97	\$25.97	\$36.19	\$40.18	\$10.23	\$9.87		
[s]	= [p]/[r] - 1	% Increase (Decr)⁵								
		-7.39%	-7.12%	-8.51%	-7.21%	-8.96%	21.41%	19.86%		

1 - Normalized to the "Fully Loaded Installed Cost" of a 0-55 watt LED Cobra Head light on Schedule A.
 2 - Refer to tab entitled "Revenue Req."
 3 - Normalized to the "Monthly kWh Usage" of a 0-55 watt LED Cobra Head light on Schedule A.
 4 - The Maintenance Normalization Factor is based on an assumption that 60% of the maintenance costs are incurred on a per light basis (i.e., the cost is the same for all lights) and 40% is related to the installed cost shown in line (b).
 5 - Excludes changes in the Point of Delivery (POD) Charge.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
CALCULATION OF REVENUE REQUIREMENT FOR UNMETERED STREET LIGHTING - SCHEDULES A & B
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR: MATTHEW A. TROXLE

Line # [A] [B] [C] [D] [E] [F] [G]

ASSIGNMENT OF COSTS ALLOCATED TO THE LIGHTING CLASS TO UNMETERED SLs

1	<u>Cost Category</u>	<u>Based on Installed Cost</u>	<u>Based on Load</u>	<u>Per Light Basis</u>	<u>Based on Relative Revenue by Light Type</u>	<u>Based on Maintenance Cost Wt.</u>
2	Return on Rate Base	\$3,167,791	\$2,417,640	\$2,485,641	(\$4,195,338)	\$0
3	Depr, Amort, and Other Exp.	\$25,182,582	\$0	\$0	\$0	\$0
4	O&M and Customer Expenses	\$0	\$696,826	\$508,815	\$0	\$9,755,172
5	A&G Expenses	\$7,988,641	\$0	\$5,743,015	\$0	\$0
6	Taxes	\$4,666,687	\$1,045,834	\$7,000	\$595,769	\$134,200
7	Plus : MET & CUST Function Costs			\$1,614,635		
8	Less : Other Revenue				\$527,901	
9						
10	Sub Totals	<u>\$41,005,701</u>	<u>\$4,160,299</u>	<u>\$10,359,106</u>	<u>(\$4,127,470)</u>	<u>\$9,889,371</u>
11						
12	Percentage of Class Rev. Req. from unmetered SL facilities	80.059023%	80.059023%	80.059023%	80.059023%	80.059023%
13						
14	Total Rev. Req. - Unmetered Service for Schedule A & B Lights	<u>\$32,828,763</u>	<u>\$3,330,695</u>	<u>\$8,293,399</u>	<u>(\$3,304,412)</u>	<u>\$7,917,334</u>

* - based on the ratio of unmetered SL revenue requirement to the total lighting class revenue requirement

16	Total Lighting Class Revenue Requirement (DIST Function + MET Function + Customer Function) =	\$61,287,007	(a)
17	Less:		
18	Outdoor Lighting Revenue =	\$10,121,742	
19	Metered Lighting (Co.-owned) Rev =	\$38,502	
20	Unmetered SL POD Charges	\$349,044	
21	Metered Lighting (Non Co.-owned) Rev =	\$273,124	
22	Schedule C & D Revenue =	\$1,438,816	
23	Total Unmetered SL Revenue Req (Sch A&B) [#] =	<u>\$49,065,779</u>	(b)
24			
25	Ratio of Total Unmetered SL Revenue Req (Sch A&B) to Total Lighting Class Revenue Requirement =	0.80059023	= (b)/(a)
26			
27	[#] - Also includes Rectangular, Post Top, Incandescent, and Historical lights.		

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ASSIGNMENT OF DISTRIBUTION FUNCTION COSTS ALLOCATED TO THE LIGHTING CLASS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR : MATTHEW A. TROXLE

Line #	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
Rate Base - Net Distribution Plant								
1			Rate Base	Assign	Assign		Assign	
2			Allocated to	Based on	Based on	Assign on a	Based on	Assign
3			<u>Lighting Class</u>	<u>Installed Cost</u>	<u>Load</u>	<u>Per Light Basis</u>	<u>Relative Revenue</u>	<u>Based on</u>
4	A360	Land and Land Rights	\$498,638		\$498,638			<u>Maintenance</u>
5	A361	Structures and Improvements	\$3,559,982		\$3,559,982			
6	A362	Station Equipment	\$4,431,673		\$4,431,673			
7	A363	Storage Battery Equipment	\$0		\$0			
8		Poles, Towers & Fixtures-Total						
9	A364P	Poles, Towers & Fixtures-Primary	\$4,605,385		\$4,605,385			
10	A364S	Poles, Towers & Fixtures-Secondary	\$1,037,477		\$1,037,477			
11		O.H. Conductors & Devices-Total						
12	A365P	O.H. Conductors & Devices-Primary	\$3,122,472		\$3,122,472			
13	A365S	O.H. Conductors & Devices-Secondary	\$607,180		\$607,180			
14		Underground Conduits-Total						
15	A366P	Underground Conduits-Primary	\$1,351,646		\$1,351,646			
16	A366S	Underground Conduits-Secondary	\$959,652		\$959,652			
17		U.G. Conductors & Devices-Total						
18	A367P	U.G. Conductors & Devices-Primary	\$5,665,344		\$5,665,344			
19	A367S	U.G. Conductors & Devices-Secondary	\$1,445,929		\$1,445,929			
20		Line Transformers-Total						
21	A368P	Line Transformers-Primary	\$363,540		\$363,540			
22	A368S	Line Transformers-Secondary	\$5,976,123		\$5,976,123			
23	A368C	Capacitors	\$328,513		\$328,513			
24	A369	Services	\$339,212		\$339,212			
25	A370	Meters	\$0		\$0			
26	A371	Install. on Customer Prem.	(\$20,437,956)	(\$20,437,956)				
27	A372	Leased Prop. on Cust. Premises	\$0		\$0			
28	A373	Street Lights	\$65,371,169	\$65,371,169				
29	A374	Land Owned in Fee	\$2,664,674			\$2,664,674		
30		Subtotal	\$81,890,651	\$44,933,213	\$34,292,764	\$2,664,674	\$0	\$0
31								
32		TOTAL INTANGIBLE PLANT-NET	\$1,858,687			\$1,858,687		
33		TOTAL TRAN PLANT-NET	\$973,111			\$973,111		
34		TOTAL GENERAL PLANT-NET (Incl. Comm Eq.)	\$2,749,268			\$2,749,268		
35								
36		TOTAL PLANT IN SERV-NET * (Incl. Intangibles)	\$87,471,716	\$44,933,213	\$34,292,764	\$8,245,739	\$0	\$0
37								
38		OTHER RATE BASE:						
39		Non-Tax Regulatory Assets ¹	\$24,108,318			\$24,108,318		
40		Tax-Related Regulatory Assets	(\$19,625,838)				(\$19,625,838)	
41		Accumulated Deferred Fed Inc Taxes ²	(\$39,882,508)				(\$39,882,508)	
42		Other Items ³	\$2,903,258			\$2,903,258		
43		Total Other Rate Base	(\$32,496,771)	\$0	\$0	\$27,011,576	(\$59,508,346)	\$0
44								
45		TOTAL RATE BASE	\$54,974,946	\$44,933,213	\$34,292,764	\$35,257,315	(\$59,508,346)	\$0
46		Rate of Return	0.070500	0.070500	0.070500	0.070500	0.070500	0.070500
47		RETURN ON RATE BASE	\$3,875,734	\$3,167,791	\$2,417,640	\$2,485,641	(\$4,195,338)	\$0
48		Adjustment to Lighting Class Return on Rate Base	\$0	\$0	\$0	\$0	\$0	\$0
49		ADJUSTED RETURN ON RATE BASE	\$3,875,734	\$3,167,791	\$2,417,640	\$2,485,641	(\$4,195,338)	\$0
50		Adjusted Return on Rate Base as a						
51		Percentage of Return on Rate Base =	100.0000%					
52								
53		1 - Deferred pension costs, deferred other post-employment costs, Covid-19 incremental expense, rate case expenses, and self insurance reserve.						
54		2 - ADIT is treated as a reduction in rate base - as such, it is shown as a negative cost.						
55		3 - Plant Held for Future Use, Miscellaneous Other Rate Base, Materials & Supplies, Cash Working Capital, and Prepayments.						

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ASSIGNMENT OF DISTRIBUTION FUNCTION COSTS ALLOCATED TO THE LIGHTING CLASS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR : MATTHEW A. TROXLE

Line #	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
O&M Expenses :								
56								
57			Allocated to	Assign	Assign	Assign on a	Assign	Assign
58			<u>Lighting Class</u>	<u>Based on</u>	<u>Based on</u>	<u>Per Light Basis</u>	<u>Relative Revenue</u>	<u>Based on</u>
59				<u>Installed Cost</u>	<u>Load</u>		<u>By Light Type</u>	<u>Maintenance</u>
59	Distribution Expense:							
60	Operation							
61	A580	Operation Supervising & Engineering	\$25,116			\$25,116		
62	A581	Load Dispatching	\$32,936			\$32,936		
63	A582	Station Expenses	\$13,152			\$13,152		
64	A583	Overhead Line Expense	\$49,272			\$49,272		
65	A584	Underground Line Expense	\$36,246			\$36,246		
66	A585	Street Lights	\$827			\$827		
67	A586	Meter Expenses	\$0			\$0		
68	A587	Customer Installation Expense	\$911			\$911		
69	A 588	Misc. Distribution Expenses	\$344,399			\$344,399		
70	A589	Rents	\$2,585			\$2,585		
71		Subtotal	\$505,443	\$0	\$0	\$505,443	\$0	\$0
72								
73	Maintenance							
74	A590	Maintenance Supervising & Engineering	\$131,852		\$8,744			\$123,108
75	A591	Maint. of Structures	\$216		\$216			
76	A592	Maint. of Station Equipment	\$31,715		\$31,715			
77	A593	Maint. of Overhead Lines	\$401,258		\$401,258			
78	A594	Maint. of Underground Lines	\$95,986		\$95,986			
79	A595	Maint. of Line Transformers	\$19,098		\$19,098			
80	A596	Maint. of Street Lights	\$9,632,071					\$9,632,071
81	A597	Maint. of Meters	(\$7)					(\$7)
82	A598	Maint. of Misc. Dist. Plant.	\$135,892		\$135,892			
83		Subtotal	\$10,448,081	\$0	\$692,909	\$0	\$0	\$9,755,172
84								
85	Customer Accounting Expenses							
86	A901-	905 Customer Records & Collection	(\$240)			(\$240)		
87		Subtotal Customer Accounting	(\$240)	\$0	\$0	(\$240)	\$0	\$0
88								
89	Cust. Service & Information Expense							
90	A906	Cust Svc & Informational Expense	\$0					
91	A907	Supervision	\$0					
92	A908	Customer Assistance Exp.	\$3,611			\$3,611		
93	A909	Inform. & Instruct. Adv. Exp.	\$0					
94	A910	Misc. Cust. Service & Inform.	\$0			\$0		
95		Subtotal	\$3,611	\$0	\$0	\$3,611	\$0	\$0
96								
97								
98	Sales Expense							
99	A911	Supervision	\$0			\$0		
100	A912	Demonstrating & Selling Exp./Adv.	\$0			\$0		
101	A913	Advertising Exp.	\$0			\$0		
102	A916	Misc. Sales Exp.	\$0			\$0		
103		Subtotal	\$0	\$0	\$0	\$0	\$0	\$0
104								
105	Transmission-Related O&M Expense							
106			\$3,916	\$0	\$3,916	\$0	\$0	\$0
107								
108	TOTAL O&M and CUSTOMER EXPENSE							
			\$10,960,813	\$0	\$696,826	\$508,815	\$0	\$9,755,172
109	Percentage of Total O&M Expense							
				\$0	\$0	\$0	\$0	\$1

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
ASSIGNMENT OF DISTRIBUTION FUNCTION COSTS ALLOCATED TO THE LIGHTING CLASS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR : MATTHEW A. TROXLE

Line #	[A]	[B]	[C]	[D]	[E]	[F]	[G]	[H]
A&G Expenses :								
110							Assign	
111			Allocated to	Assign	Assign	Assign on a	Based on	Assign
112			<u>Lighting Class</u>	<u>Based on</u>	<u>Based on</u>	<u>Per Light Basis</u>	<u>Relative Revenue</u>	<u>Based on</u>
113				<u>Installed Cost</u>	<u>Load</u>		<u>By Light Type</u>	<u>Maintenance</u>
Administrative & General Expenses								
114	A920	Admin. & General Salaries	\$1,678,666			\$1,678,666		
115	A921	Office Supplies	\$168,211			\$168,211		
116	A922	Admin Expense Transferred	\$0			\$0		
117	A923	Outside Services	\$2,348,253			\$2,348,253		
118	A924	Property Insurance Exp.	\$7,988,641	\$7,988,641				
119	A925	Injuries & Damages	\$560,145			\$560,145		
120	A926	Pensions & Benefits	\$637,220			\$637,220		
121	A928	Regulatory Comm. Exp. (excluding 72.7923%)	\$8,833			\$8,833		
122	A930.1	General Advertising Expense	\$0			\$0		
123	A930.2	Misc. General Expense	\$286,152			\$286,152		
124	A931	Rents	\$35,681			\$35,681		
125	A932	Maint. of General Plant	\$19,945			\$19,945		
126	A935	Maint. of General Plant	(\$92)			(\$92)		
127	TOTAL A&G EXPENSE		\$13,731,656	\$7,988,641	\$0	\$5,743,015	\$0	\$0

Taxes								
128							Assign	
129			Allocated to	Assign	Assign	Assign on a	Based on	Assign
130			<u>Lighting Class</u>	<u>Based on</u>	<u>Based on</u>	<u>Per Light Basis</u>	<u>Relative Revenue</u>	<u>Based on</u>
131				<u>Installed Cost</u>	<u>Load</u>		<u>By Light Type</u>	<u>Maintenance</u>
132	Payroll-Related Taxes		\$150,786	\$0	\$9,586	\$7,000	\$0	\$134,200
133	(Assigned based on % of Total O&M Exp.)							
134								
135	Ad Valorem Taxes		4,666,687	\$4,666,687	\$0	\$0	\$0	\$0
136								
137	Non-Revenue-Related Taxes:							
138		Texas Gross Margin Tax	126,789				\$126,789	
139		Municipal Franchise Fees	1,036,248		\$1,036,248			
140		Subtotal	\$1,163,036	\$0	\$1,036,248	\$0	\$126,789	\$0
141								
142	Federal Income Taxes		468,981	\$0	\$0	\$0	\$468,981	\$0
143								
144								
145								
146	TOTAL TAXES		\$6,449,489	\$4,666,687	\$1,045,834	\$7,000	\$595,769	\$134,200

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
INSTALLED COST OF STREET LIGHTS BY TYPE, WATTAGE, & SCHEDULE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR : Matthew A. Troxle

Line # [A] [B] [C] [D]

SCHEDULE A

	Light Type	Wattage	Installed Cost	Basis¹
1	LED Cobra Head	0 - 56 W	\$2,394	Scenario 22.01 ; standard installation on a 35' wood pole.
2	LED Cobra Head	56- 100 W	\$2,429	Scenario 22.02 ; standard installation on a 35' wood pole.
3	LED Cobra Head	101 - 140 W	\$2,636	Scenario 22.03 ; standard installation on a 35' wood pole.
4	LED Cobra Head	141 - 180 W	\$2,813	Scenario 22.04 ; standard installation on a 35' wood pole.
5	LED Cobra Head	181 - 265 W	\$2,981	Scenario 22.05 ; standard installation on a 35' wood pole.
6				
7	MV	175 W	\$2,394	same as Scenario 22.01
8	MV	400 W	\$2,636	same as Scenario 22.03
9	MV	1000 W	\$2,981	same as Scenario 22.05
10				
11	HPS	100 W	\$2,394	same as Scenario 22.01
12	HPS	150 W	\$2,429	same as Scenario 22.02
13	HPS	200 W	\$2,636	same as Scenario 22.03
14	HPS	250 W	\$2,813	same as Scenario 22.04
15	HPS	400 W	\$2,981	same as Scenario 22.05
16	HPS	1000 W	\$2,981	same as Scenario 22.05
17				
18	MH	150 W	\$2,429	same as Scenario 22.02
19	MH	175 W	\$2,429	same as Scenario 22.02
20	MH	250 W	\$2,813	same as Scenario 22.04
21	MH	400 W	\$2,981	same as Scenario 22.05
22	MH	1000 W	\$2,981	same as Scenario 22.05

1 - The installed costs for Non-LED lights are based on the equivalent LED lights as shown in the Mercury Vapor and Metal Halide Conversion Table in the Company's Lighting Service Tariff.

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
INSTALLED COST OF STREET LIGHTS BY TYPE, WATTAGE, & SCHEDULE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR : Matthew A. Troxle

Line # [A] [B] [C] [D]

HISTORICAL, RECTANGULAR, POST-TOP, and INCANDESCENT

Light Type	Wattage	Installed Cost	Basis
RECTANGULAR:			
23 LED Rectangular	0 - 56 W	\$5,416	Scenario 22.06 ; standard installation on a 30' steel pole.
24 LED Rectangular	56- 100 W	\$5,586	Scenario 22.07 ; standard installation on a 30' steel pole.
25 LED Rectangular	101 - 140 W	\$5,662	Scenario 22.08 ; standard installation on a 30' steel pole.
26 MV	175 W	\$5,416	same as Scenario 22.06
27 HPS	100 W	\$5,416	same as Scenario 22.06
28 HPS	250 W	\$5,662	same as Scenario 22.08
29 MH	400 W	\$5,662	same as Scenario 22.08
30 MH	1000 W	\$5,662	same as Scenario 22.08
POST TOP:			
34 LED Post Top	0 - 56 W	\$3,369	Scenario 22.09 ; standard installation on a 20' fiberglass pole.
35 LED Post Top	56- 100 W	\$3,387	Scenario 22.10 ; standard installation on a 20' fiberglass pole.
36 MV	175 W	\$3,369	same as Scenario 22.09
37 HPS	100 W	\$3,369	same as Scenario 22.09
HISTORICAL:			
42 LED Historical	0 - 56 W	\$7,315	Scenario 22.11 ; standard installation on a 11' aluminum pole.
43 LED Historical	56- 100 W	\$7,315	Scenario 22.12 ; standard installation on a 11' aluminum pole.
44 MV	175 W	\$7,315	same as Scenario 22.11
45 HPS	100 W	\$7,315	same as Scenario 22.11
46 HPS	150 W	\$7,315	same as Scenario 22.11
47 MH	175 W	\$7,315	same as Scenario 22.12
INCANDESCENT		\$2,394	same as Scenario 22.01

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
INSTALLED COST OF STREET LIGHTS BY TYPE, WATTAGE, & SCHEDULE
FOR THE TEST YEAR ENDING DECEMBER 31, 2021

SPONSOR : Matthew A. Troxle

Line # [A] [B] [C] [D]

SCHEDULE B

	Light Type	Wattage	Installed Cost	Basis
50	MV	175 W	\$4,238	based on 60% of standard installations on a 30' steel pole and 40% on a 20' fiberglass pole. Refer to Scenarios 22.13 & 22.14.
51	MV	400 W	\$5,258	same as Scenario 22.16
52	MV	1000 W	\$5,603	same as Scenario 22.18
53				
54	HPS	100 W	\$4,238	based on 60% of standard installations on a 30' steel pole and 40% on a 20' fiberglass pole. Refer to Scenarios 22.13 & 22.14.
55	HPS	150 W	\$5,051	same as Scenario 22.15
56	HPS	200 W	\$5,258	same as Scenario 22.16
57	HPS	250 W	\$5,435	same as Scenario 22.17
58	HPS	400 W	\$5,603	same as Scenario 22.18
59	HPS	1000 W	\$5,603	same as Scenario 22.18
60				
61	MH	150 W	\$5,051	same as Scenario 22.15
62	MH	175 W	\$5,051	same as Scenario 22.15
63	MH	250 W	\$5,435	same as Scenario 22.17
64	MH	400 W	\$5,603	same as Scenario 22.18
65	MH	1000 W	\$5,603	same as Scenario 22.18

2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
INSTALLED COST OF STREET LIGHTS BY TYPE, WATTAGE, & SCHEDULE - INSTALLATION COST SCENARIOS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021
SPONSOR : Matthew A. Troxle

Line #	[A]	[B]	[C]	[D]	[E]	[F]
STREET LIGHT INSTALLED COST ESTIMATES						
		----- Costs -----				
	DESCRIPTION	Scenario #	Material	Labor	30% OH	Total
LED Cobra Head						
1						
2	0 - 55W, LED, cobra, with arm, fuse, photocell, 35' wood pole and 120' span of 4 AL duplex	22.01	\$651.76	\$1,189.51	\$552.38	\$ 2,393.65
3	56 - 100W, LED, cobra, with arm, fuse, photocell, 35' wood pole and 120' span of 4 AL duplex	22.02	\$679.28	\$1,189.51	\$560.64	\$ 2,429.43
4	101 - 140W, LED, cobra, with arm, fuse, photocell, 35' wood pole and 120' span of 4 AL duplex	22.03	\$838.08	\$1,189.51	\$608.28	\$ 2,635.87
5	141 - 180W, LED, cobra, with arm, fuse, photocell, 35' wood pole and 120' span of 4 AL duplex	22.04	\$974.04	\$1,189.51	\$649.07	\$ 2,812.62
6	181 - 265W, LED, cobra, with arm, fuse, photocell, 35' wood pole and 120' span of 4 AL duplex	22.05	\$1,103.56	\$1,189.51	\$687.92	\$ 2,980.99
LED Rectangular						
7						
8	0 - 55W, LED, Rectangular with fuse, photocell, 25' square steel anchor based pole, 120' span of 4 AL duplex w/ trench and conduit	22.06	\$2,824.79	\$1,341.16	\$1,249.79	\$ 5,415.74
9	56 - 100W, LED, Rectangular with fuse, photocell, 25' square steel anchor based pole, 120' span of 4 AL duplex w/ trench and conduit	22.07	\$2,956.00	\$1,341.16	\$1,289.15	\$ 5,586.31
10	101 - 140W, LED, Rectangular with fuse, photocell, 25' square steel anchor based pole, 120' span of 4 AL duplex w/ trench and conduit	22.08	\$3,014.07	\$1,341.16	\$1,306.57	\$ 5,661.80
LED Post Top						
11						
12	0 - 55W, LED, Post Top with fuse, photocell, 20' fiberglass pole, 120' span of 4 AL duplex w/ trench and conduit	22.09	\$1,412.53	\$1,178.72	\$777.38	\$ 3,368.63
13	56 - 100W, LED, Post Top with fuse, photocell, 20' fiberglass pole, 120' span of 4 AL duplex w/ trench and conduit	22.10	\$1,426.59	\$1,178.72	\$781.59	\$ 3,386.90
LED Historical						
14						
15	0 - 55W, LED, Historical with fuse, photocell, 11' AL Historical anchor based pole, 120' span of 4 AL duplex w/ trench and conduit	22.11	\$4,286.06	\$1,341.16	\$1,688.17	\$ 7,315.39
16	56 - 100W, LED, Historical with fuse, photocell, 11' AL Historical anchor based pole, 120' span of 4 AL duplex w/ trench and conduit	22.12	\$4,286.06	\$1,341.16	\$1,688.17	\$ 7,315.39
Schedule B Installations						
17						
18	100W HPS ¹ (using 0-55W LED Cobra Head costs) mounted on a 30' round, steel, anchor base pole & 120' of 4 Al duplex	22.13	\$2,516.96	\$1,341.16	\$1,157.44	\$ 5,015.56
19	100W HPS ¹ (using 0-55W LED Cobra Head costs) mounted on a 20' fiberglass base pole & 120' of 4 Al duplex w/ trench & conduit	22.14	\$1,183.19	\$1,178.72	\$708.57	\$ 3,070.48
20	150W HPS ¹ (using 56-100W LED Cobra Head costs) mounted on a 30' round, steel, anchor base pole & 120' of 4 Al duplex	22.15	\$2,544.48	\$1,341.16	\$1,165.69	\$ 5,051.33
21	200W HPS ¹ (using 101-140W LED Cobra Head costs) mounted on a 30' round, steel, anchor base pole & 120' of 4 Al duplex	22.16	\$2,703.28	\$1,341.16	\$1,213.33	\$ 5,257.77
22	250W HPS ¹ (using 141-180W LED Cobra Head costs) mounted on a 30' round, steel, anchor base pole & 120' of 4 Al duplex	22.17	\$2,839.24	\$1,341.16	\$1,254.12	\$ 5,434.52
23	400W HPS ¹ (using 181-265W LED Cobra Head costs) mounted on a 30' round, steel, anchor base pole & 120' of 4 Al duplex	22.18	\$2,968.76	\$1,341.16	\$1,292.98	\$ 5,602.90

1 - Also applicable to comparable non-LED lights as shown in the Mercury Vapor and Metal Halide Conversion Table in the Company's Lighting Service Tariff.

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

SPONSOR: D. E. NELSON

There are no supporting workpapers for Schedule IV-J-8.

**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**

Please see Schedule V-K-1 for Oncor's affiliate expenses presented by FERC account, grouped and subtotaled by class of items.

**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**

Please see Schedule V-K-2 for adjusted affiliate expenses presented by class, sub-class, FERC account, and FERC account description.

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

There are no workpapers for Schedule V-K-3.

**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**

There are no workpapers for Schedule V-K-4.

**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**

Please see Schedule V-K-5 for capital projects listed by project ID number and project description.

**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**

There are no workpapers for Schedule V-K-6.

**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**

Please see Schedule V-K-7 for a description of the manner in which the affiliate costs and schedules are presented.

**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**

Please see Schedule V-K-8 for the FERC accounts and FERC account descriptions for the services provided by Oncor to affiliates.

**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**

Please see Schedule V-K-8.1 for the project ID numbers and project titles for each Oncor NTU capital project.

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
V-K-9 ALLOCATION OF AFFILIATE COSTS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021
SPONSORS: M. G. GRABLE & W. A. LEDBETTER**

Please see Schedule V-K-9 for a description of the manner in which the affiliate costs and schedules are presented.

**2022 RATE CASE
ONCOR ELECTRIC DELIVERY COMPANY LLC
V-K-10 CONTROLS
FOR THE TEST YEAR ENDING DECEMBER 31, 2021
SPONSORS: M. G. GRABLE & W. A. LEDBETTER**

There are no workpapers for Schedule V-K-10.

**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**

There are no workpapers for Schedule V-K-11.

**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**

Please see Schedule V-K-12 for amounts billed to each affiliate by class of item and sub-class.

**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**

Please see Schedule V-K-13 for affiliate project titles.

**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**

There are no workpapers for Schedule V-K-14.

**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 highly sensitive 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.