

1       IV. CALCULATION OF TAX-RELATED COMPONENTS OF DCRF REVENUE  
2                               REQUIREMENT

3 Q. PLEASE DISCUSS THE CALCULATION OF AD VALOREM TAXES IN  
4 THE COMPANY'S DCRF-RFP.

5 A. I determined the ad valorem tax attributable to incremental DCRF  
6 investment by applying the Docket No. 53601 ad valorem tax factor  
7 (approved distribution-related ad valorem tax divided by approved  
8 distribution net plant) to the DCRF net plant amount added between  
9 January 1, 2022 and June 30, 2024. My workpaper WP/Schedule E-2/1  
10 shows Oncor's ad valorem tax assigned to the distribution functions in  
11 Docket No. 53601 and the calculation of ad valorem tax for the incremental  
12 DCRF net plant additions. The result is a \$44,089,223 increase in ad  
13 valorem tax expense, as shown in column (4) of Schedule E-2.

14 Q. DOES THE MANNER IN WHICH YOU CALCULATED AD VALOREM  
15 TAXES IN THE COMPANY'S DCRF-RFP FOLLOW THE  
16 REQUIREMENTS CONTAINED IN 16 TAC § 25.243 AND THE DCRF-RFP  
17 INSTRUCTIONS?

18 A. Yes. 16 TAC § 25.243(d)(1) sets forth the formula for calculating the DCRF,  
19 and it requires that current other taxes (which includes ad valorem taxes)  
20 be calculated using the methodology from the last comprehensive base-  
21 rate proceeding. In calculating ad valorem taxes for the DCRF-RFP, I  
22 followed this instruction by using the ad valorem tax factor established in  
23 the last comprehensive base-rate case (Docket No. 53601) and the current  
24 effective tax rate approved in Docket No. 53601. Additionally, page 8 of the  
25 DCRF-RFP Instructions instructs the utility to include on Schedule E-2 the  
26 change in ad valorem taxes “associated with the change in net plant.”  
27 Accordingly, my calculation, which the Commission found to be  
28 appropriate,<sup>3</sup> applies the ad valorem tax factor to the change in DCRF net

<sup>3</sup> See Application of Oncor Electric Delivery Company LLC to Amend its Distribution Cost Recovery Factor and Update Mobile Generation Riders, Docket No. 55190, Interim Order at Finding of Fact 59 (Nov. 3, 2023) (stating in part, “Oncor properly calculated the increase in ad valorem

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1 plant experienced during the January 1, 2022 to June 30, 2024 update  
2 period.

3 Q. PLEASE DISCUSS THE STATE GROSS MARGIN TAXES IN ONCOR'S  
4 DCRF FILING.

5 A. The Texas Legislature enacted reforms of the Texas franchise tax system  
6 and replaced it with the Texas gross margin tax ("margin tax") in 2007. The  
7 amount of margin tax applicable to the DCRF revenue requirement is shown  
8 in Schedule E-2 in this filing.

9 Q. PLEASE EXPLAIN HOW THE MARGIN TAX IS CALCULATED.

10 A. The margin tax is based on total taxable revenues less an elected deduction  
11 of: (a) cost of goods sold ("COGS"); (b) employee compensation; or (c) 30%  
12 of total revenues. Texas law defines the transmission and delivery of  
13 electricity as a service, making the COGS election unavailable for Oncor.  
14 Therefore, because 30% of Oncor's total taxable revenue amounts to a  
15 greater deduction than employee compensation, the method that most  
16 beneficially applies to Oncor and its customers is the deduction of 30% of  
17 total taxable revenues. In 2015, as part of the Franchise Tax Reduction Act  
18 of 2015, the Texas Legislature permanently set the margin tax rate at  
19 0.75%. Thus, Oncor accrued its margin tax liability at the 0.75% rate. The  
20 methodology and margin tax rate used to calculate the incremental margin  
21 tax requested in this DCRF are consistent with Oncor's most recent base-  
22 rate case, Docket No. 53601. The incremental DCRF-related margin tax is  
23 \$2,414,156 and is shown in column (4) of Schedule E-2.

24 Q. PLEASE DISCUSS THE INCREASE IN FEDERAL INCOME TAX ("FIT")  
25 RESULTING FROM THE DISTRIBUTION INVESTMENT ADDITIONS  
26 INCLUDED IN THE COMPANY'S DCRF-RFP.

27 A. FIT expense was increased due to the increase in the return on rate base  
28 resulting from the net addition of distribution facilities between January 1,

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taxes requested in its application in accordance with 16 TAC § 25.243(d)(1) and the Commission's  
DCRF rate filing package instructions.")

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1 2022 and June 30, 2024. The synchronized interest deduction is related to  
2 the increased return and was increased proportionally. The incremental  
3 income tax expense was quantified using the 21% FIT rate pursuant to the  
4 Tax Cuts and Jobs Act of 2017. The workpaper WP/Schedule E-3 contains  
5 the calculation of the change in synchronized interest. As shown on  
6 Schedule E-3, all other components of the FIT calculation are left  
7 unchanged from Docket No. 53601.

8 Q. PLEASE DISCUSS THE DCRF-RELATED TREATMENT OF ADFIT AND  
9 EXCESS ADFIT BALANCES.

10 A. Consistent with the DCRF-RFP instructions, Oncor's June 30, 2024 ADFIT  
11 balance, adjusted for the tax impact of applicable book adjustments, was  
12 functionalized by applying updated functionalization factors in a manner  
13 consistent with Docket No. 53601. Oncor's Excess ADFIT balance at June  
14 30, 2024 was directly assigned to the Distribution function consistent with  
15 Docket No. 53601. Plant-related ADFIT and Excess ADFIT for DCRF  
16 purposes are shown in Schedules B-7, E-3.7, E-3.10, and my related  
17 workpapers.

18 **V. SUMMARY AND CONCLUSION**

19 Q. PLEASE SUMMARIZE YOUR DIRECT TESTIMONY.

20 A. My direct testimony supports the DCRF-RFP schedules and related  
21 workpapers that I sponsor or co-sponsor. My sponsored and co-sponsored  
22 DCRF-RFP schedules have been prepared and calculated according to 16  
23 TAC § 25.243, the DCRF-RFP instructions, and the Order on Rehearing in  
24 Docket No. 53601. For these reasons, I recommend that the Commission  
25 approve the tax-related components of the Company's revenue  
26 requirement as shown on Schedule A: Summary of Distribution Cost of  
27 Service.

28 Q. DOES THAT CONCLUDE YOUR DIRECT TESTIMONY?

29 A. Yes, it does.

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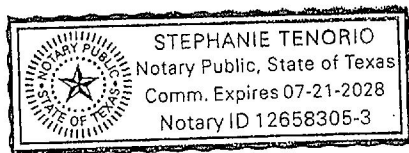
STATE OF TEXAS       §  
                                  §  
COUNTY OF DALLAS   §

**BEFORE ME**, the undersigned authority, on this day personally appeared Bonnie L. Clutter, who, having been placed under oath by me, did depose as follows:

My name is Bonnie L. Clutter. I am of legal age and a resident of the State of Texas. The Application in this proceeding complies with 16 TAC § 25.243. The Application and the foregoing direct testimony offered by me is true and correct, and the opinions stated therein are, to the best of my knowledge, information, and belief, accurate, true and correct.

Bonnie L. Clutter  
BONNIE L. CLUTTER

**SUBSCRIBED AND SWORN TO BEFORE ME** by the said Bonnie L. Clutter this 12<sup>th</sup> day of August, 2024.



Stephanie Tenorio  
Notary Public, State of Texas

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**DIRECT TESTIMONY OF JANICE I. FENNELL**

**I. POSITION AND QUALIFICATIONS**

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- Q. PLEASE STATE YOUR NAME, BUSINESS ADDRESS, AND CURRENT EMPLOYMENT POSITION.
- A. My name is Janice I. Fennell. My business address is 1616 Woodall Rodgers, Dallas, Texas. I am the Senior Manager – Rates, for Oncor Electric Delivery Company LLC (“Oncor” or “Company”).
- Q. PLEASE DISCUSS YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL QUALIFICATIONS.
- A. I graduated from Texas A&M University in 2007 with a Bachelor of Science degree in Accounting and a Master of Science degree in Management Information Systems. I began my career with the public accounting firm KPMG, and served in advisory and audit roles within the Austin, Dallas, and Dublin, Ireland offices. In 2014, I began employment with Oncor and served in specialist and management roles in internal audit and technology. In 2020 I joined the Regulatory department as Rates Manager responsible for preparation of the semiannual TCRF filings, and in January 2024 I was promoted to my current position, where I am responsible for the management of: cost of service, cost allocation, rate design, and tariff administration issues. A summary of my background and relevant experience can be found at Exhibit JIF-1.
- Q. DO YOU HOLD ANY PROFESSIONAL CERTIFICATIONS OR MEMBERSHIPS?
- A. Yes. I am licensed as a Certified Public Accountant in the State of Texas.
- Q. HAVE YOU PREVIOUSLY PROVIDED TESTIMONY BEFORE THE COMMISSION?
- A. No.

**II. PURPOSE OF DIRECT TESTIMONY**

- Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY IN THIS PROCEEDING?

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1 A. The purpose of my direct testimony is to: (1) support Oncor's application to  
2 amend its Distribution Cost Recovery Factor ("DCRF"); (2) sponsor the  
3 calculation of Rider DCRF and Rider Wholesale Distribution Cost Recovery  
4 Factor ("WDCRF"); and (3) sponsor the proposed tariff revisions (6.1.1.6.4  
5 Rider DCRF and 3.6 Rider WDCRF) accompanying this filing.

6 My direct testimony, exhibits, sponsored schedules and workpapers  
7 were prepared by me or under my direction, supervision, or control, and are  
8 true and correct.

9 Q. WHAT SCHEDULES FROM ONCOR'S FILING DO YOU SPONSOR?

10 A. I am sponsoring Schedule H (Summary of Historic Year Billing  
11 Determinants) and Schedule J (Summary of DCRF), which include the rate  
12 design calculations for the proposed DCRFs by rate class. In addition, I am  
13 sponsoring the following workpapers that support Schedules H and J:

14 WP/Schedule H Summary of Billing Units as of June 30, 2024;  
15 WP/Schedule H/1 Customer and Weather Adjustments to Billing  
16 Determinants as of June 30, 2024;  
17 WP/Schedule H/2 Monthly Sales Data as of June 30, 2024;  
18 WP/Schedule H/3 Adjustments to Billing Demands as of June 30, 2024;  
19 WP/Schedule H/4 Weather Adjustments as of June 30, 2024; and  
20 WP/Schedule H/5 Power Factor Adjustments to Billing Demands.

21 **III. DCRF RULE AND REQUIREMENTS**

22 Q. PLEASE DESCRIBE 16 TEX. ADMIN. CODE § 25.243 ("TAC") (THE  
23 "DCRF RULE").

24 A. The DCRF Rule implements Public Utility Regulatory Act ("PURA")  
25 § 36.210. The DCRF Rule authorizes the Commission, upon the application  
26 of an electric utility, to approve a tariff or rate schedule in which a rate may  
27 be periodically adjusted for changes in distribution plant, distribution-related  
28 intangible plant, and distribution-related communications equipment and

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1 networks. The DCRF for each rate class of customers is determined in  
 2 accordance with the DCRF Rule.

3 Q. IN WHAT DOCKET WAS ONCOR'S LAST COMPREHENSIVE BASE-  
 4 RATE PROCEEDING?

5 A. Oncor's last comprehensive base-rate proceeding was Docket No. 53601,  
 6 *Application of Oncor Electric Delivery Company LLC for Authority to Change*  
 7 *Rates*. The Order on Rehearing in Docket No. 53601 was signed on June  
 8 30, 2023.

9 Q. HAVE ONCOR'S DCRF RATES BEEN MODIFIED SINCE DOCKET NO.  
 10 53601?

11 A. Yes. Since Docket No. 53601, Oncor's DCRF and WDCRF rates have been  
 12 updated in Docket Nos. 55190,<sup>1</sup> 55525,<sup>2</sup> and 56306.<sup>3</sup> Please refer to Exhibit  
 13 JIF-3 for a complete history of Oncor's DCRF charges.

14 Q. WAS A DCRF BASELINE ORDERED IN DOCKET NO. 53601?

15 A. Yes, it was. Accordingly, Oncor filed its DCRF baseline on July 10, 2023,  
 16 in Docket No. 54817, *Compliance Filing For Final Order In Docket No.*  
 17 *53601 (Application of Oncor Electric Delivery Company LLC for Authority to*  
 18 *Change Rates)*. Order No. 6 issued in Docket No. 54817 on August 8, 2023,  
 19 approved the DCRF baseline filed by Oncor.

20 Q. ARE YOU PROPOSING TO USE THE SAME COST-OF-SERVICE  
 21 MODEL IN THIS PROCEEDING THAT WAS USED TO CALCULATE THE  
 22 DCRF BASELINE ESTABLISHED IN DOCKET NO. 53601?

23 A. Yes. The baseline is the starting point for the DCRF, so to remain  
 24 consistent, the same cost-of-service model methodology used to establish

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<sup>1</sup> *Application Of Oncor Electric Delivery Company LLC To Amend Its Distribution Cost Recovery Factor And Update Mobile Generation Riders*, Docket No. 55190 (Nov. 3, 2023).

<sup>2</sup> *Application Of Oncor Electric Delivery Company LLC To Amend Its Distribution Cost Recovery Factor*, Docket No. 55525 (Dec. 14, 2023).

<sup>3</sup> *Application Of Oncor Electric Delivery Company LLC To Amend Its Distribution Cost Recovery Factor And Update Mobile Generation Riders*, Docket No. 56306, Interim Order (May 16, 2024).

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1 the DCRF baseline in Docket No. 53601 (as approved in Docket No. 54817)  
2 was used in this proceeding to appropriately assign costs to the various rate  
3 classes as approved in Docket No. 53601.

4 Q. DOES YOUR TESTIMONY SUPPORT THE SCHEDULES AND  
5 WORKPAPERS REQUIRED BY GENERAL INSTRUCTION NO. 2 IN THE  
6 COMMISSION'S DCRF RATE FILING PACKAGE ("DCRF-RFP")  
7 INSTRUCTIONS?

8 A. Yes, it does. Specifically, my testimony supports required Schedules H and  
9 J.

10 Q. IN REFERENCE TO THE DCRF-RFP GENERAL INSTRUCTION NO. 5,  
11 HAVE SCHEDULES H AND J BEEN PREPARED BASED ON THE  
12 SAMPLE FORMS ATTACHED TO THE COMMISSION'S DCRF  
13 APPLICATION?

14 A. Yes. The Company's schedules are based upon the sample forms attached  
15 to the Commission's DCRF Filing Package Schedules. The Company has  
16 also made some enhancements to the sample forms as permitted by the  
17 DCRF-RFP General Instruction No. 5 to provide further granularity to the  
18 calculation of the DCRFs.

19 Q. IN REFERENCE TO THE DCRF-RFP GENERAL INSTRUCTION NO. 5,  
20 HAVE SCHEDULES H AND J AND THE SUPPORTING WORKPAPERS  
21 BEEN PROVIDED IN ELECTRONIC NATIVE FORMAT WITH ALL  
22 FORMULAS, CELL REFERENCES, AND LINKS INTACT, FUNCTIONING,  
23 AND COMPLETE?

24 A. Yes.

25 Q. HAS ONCOR PREVIOUSLY FILED A DCRF APPLICATION?

26 A. Yes. Oncor has previously filed seven DCRF applications. This is the  
27 fourth DCRF filing after the most recent base-rate case, Docket No. 53601,  
28 where the DCRF was re-set to zero. This is the second DCRF filing made  
29 in calendar year 2024.

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1 Q. IN REFERENCE TO THE DCRF-RFP GENERAL INSTRUCTION NO. 7,  
2 WOULD YOU PLEASE PROVIDE THE COMPANY'S HISTORY OF DCRF  
3 CHARGES?

4 A. The historical information requested by General Instruction No. 7 is included  
5 on Exhibit JIF-3. It shows the approved rates from Oncor's previously  
6 approved DCRF applications, Docket Nos. 48231, 49427, 50734, 51996,  
7 55190, 55525, and 56306.

8 **IV. DESCRIPTION OF SCHEDULE H**

9 Q. WHAT IS THE PURPOSE OF SCHEDULE H?

10 A. Schedule H produces the final adjusted billing units for the twelve months  
11 ended June 30, 2024. These adjusted billing units are used in the  
12 calculation of the DCRFs for each of the Company's retail and wholesale  
13 rate classes shown in Schedule J. Schedule H also includes a calculation  
14 of the load growth experienced by each rate class during the DCRF update  
15 period.

16 Q. DOES SCHEDULE H FOLLOW ALL INSTRUCTIONS PROVIDED IN THE  
17 DCRF APPLICATION FORM?

18 A. Yes. The Rate Class Cost-of-Service Study, modified in accordance with  
19 the Commission's Order in Docket No. 53601, is the source of the data  
20 reflected in Schedule H.

21 Q. HOW MANY YEARS DID ONCOR USE IN CALCULATIONS FOR THE  
22 NORMAL WEATHER HISTORICAL PERIOD?

23 A. Consistent with the Commission's DCRF Filing Package Instructions, the  
24 historical period used in this proceeding for normal weather is 10 years.  
25 Various industry-standard statistical tests and evaluation criteria were used  
26 in the weather normalization model and are reflected in WP/Schedule H/4.1  
27 and WP/Schedule H/4.2.

28 Q. PLEASE DESCRIBE THE INFORMATION SUMMARIZED ON SCHEDULE  
29 H.

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1 A. Schedule H is the Summary of Historic Year Billing Determinants. It  
2 summarizes: (1) rate class billing determinants approved in Oncor's most  
3 recent comprehensive base-rate proceeding; (2) the unadjusted rate class  
4 billing determinants for the DCRF update period ending June 30, 2024; and  
5 (3) the adjustments to billing determinants associated with weather-  
6 normalization and the number of customers at the end of the update period.

7 For item (1) above, the rate class billing determinants approved in  
8 Docket No. 53601 are shown in my Exhibit JIF-2. They also appear in  
9 column (2) of Schedule H.

10 Regarding item (2) above, Oncor's unadjusted rate class billing  
11 determinants for the twelve months ending June 30, 2024 are extracted  
12 from the books and records of the Company.

13 For item (3) above, the adjustments to billing determinants  
14 associated with weather-normalization appear in column (4) of Schedule H  
15 and are combined with the unadjusted values in column (3), to show the  
16 adjusted billing units at the meter at the end of the update period in column  
17 (5). Then, the adjustments to the number of customers at the end of the  
18 update period, shown in column (6), are added to column (5) to determine  
19 the total adjusted billing units at the end of the update period in column (7)  
20 of Schedule H. Finally, the difference in billing units between the adjusted  
21 billing units (column (7)) and the baseline billing units (column (2)) are  
22 shown in column (8) of Schedule H.

23 Q. WERE THE BILLING UNITS FOR THE RATE CLASSES WITH DEMAND-  
24 BASED BILLING "WEATHER NORMALIZED" CONSISTENT WITH 16  
25 TAC §§ 25.243(b)(5) AND 25.243(d) FOR THE MOST RECENT TEN  
26 CALENDAR YEARS?

27 A. Yes. The weather adjustments for each rate class shown in WP/Schedule  
28 H/4 are based on kilowatt-hours variation arising from the difference in  
29 actual temperatures experienced during the DCRF update period in this  
30 application compared to average temperatures realized in the ten-year

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1 period of 2013-2022. For rate classes that use demand-based billing units,  
2 the kWh-based adjustments are converted to a corresponding demand-  
3 based adjustment in WP/Schedule H/3. The results of these calculations  
4 are shown in columns (d) – (i) of WP/Schedule H/1. The weather  
5 normalization adjustments, by rate class, are shown in column (4) of  
6 Schedule H.

7 Q. DOES SCHEDULE H INCLUDE A CALCULATION OF THE LOAD  
8 GROWTH ADJUSTMENT CONTAINED IN THE DCRF FORMULA?

9 A. Yes. The DCRF formula requires that the Distribution Revenue  
10 Requirement by rate class from the last comprehensive base-rate case  
11 ("DISTREVR<sub>RC-CLASS</sub>") be adjusted for load growth. The load growth  
12 adjustment for each rate class is determined by calculating the ratio of the  
13 adjusted billing determinants shown in column (8) to the billing units  
14 approved in Docket No. 53601 shown in column (2), and is expressed as a  
15 percentage change. The resulting rate class growth adjustments are shown  
16 in column (9) of Schedule H.

17 **V. DESCRIPTION OF SCHEDULE J**

18 Q. WHAT IS THE PURPOSE OF SCHEDULE J?

19 A. Schedule J shows the compilation of all of the cost components required by  
20 the DCRF Rule (see 16 TAC § 25.243(d)(1)) to calculate a DCRF for each  
21 rate class. It also shows the calculation of the DCRF Revenue Requirement  
22 by rate class and the final calculation of the DCRFs.

23 Q. PLEASE DESCRIBE THE SOURCE OF THE DCRF BASELINE VALUES  
24 USED IN SCHEDULE J, COLUMNS (1) – (7).

25 A. The DCRF baseline values shown in Columns (1) – (7) of Schedule J were  
26 developed from Oncor's Docket No. 53601 functionalized rate class cost-  
27 of-service study. As noted above, the DCRF baseline values were  
28 approved by Order No. 6 in Docket No. 54817.

29 Q. DOES YOUR SCHEDULE J UTILIZE THE LOAD GROWTH  
30 ADJUSTMENTS DEVELOPED ON SCHEDULE H, COLUMN (9)?

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- 1 A. Yes, the load growth adjustments, by rate class, from column (9) of  
2 Schedule H are restated in column (8) of Schedule J.
- 3 Q. HOW ARE THESE LOAD GROWTH FACTORS USED IN SCHEDULE J?
- 4 A. These percentages are multiplied by the  $DISTREV_{RC-CLASS}$  values from  
5 column (7) to arrive at a rate class load growth adjustment. The resulting  
6 load growth amount for each rate class is shown in column (9) of Schedule  
7 J and, in accordance with 16 TAC § 25.243(d)(1), the sum of this column  
8 \$31,087,719 was deducted from the annual change in the distribution cost  
9 of service for the DCRF update period of \$408,745,142 (as determined by  
10 Company witness W. Alan Ledbetter and shown in Schedule A, column (4))  
11 to achieve the DCRF Revenue Requirement of \$377,657,423. This  
12 calculation is shown in columns (12) – (14) of Schedule J.
- 13 Q. HOW WAS THE ADJUSTED DCRF REVENUE REQUIREMENT OF  
14 \$377,657,423 ALLOCATED TO THE DCRF CLASSES?
- 15 A. The total DCRF Revenue Requirement was allocated to the individual  
16 classes based on allocation factors specified by 16 TAC § 25.243(d)(1).  
17 This provision states in relevant part that, “[the] Rate Class Allocation Factor  
18 [is as] approved in the last comprehensive base-rate proceeding calculated  
19 as: total net distribution plant allocated to the rate class, divided by total net  
20 distribution plant” (as shown in column (10) of Schedule J). These  
21 allocation factors are shown in column (11) of Schedule J.
- 22 Q. HOW ARE THESE RATE CLASS ALLOCATION FACTORS USED TO  
23 CALCULATE THE DCRF REVENUE REQUIREMENT FOR EACH RATE  
24 CLASS?
- 25 A. The rate class allocation factors in Column (11) of Schedule J are multiplied  
26 by the DCRF Revenue Requirement of \$377,657,423 derived in column  
27 (14) to determine the DCRF Revenue Requirement for each class, as  
28 shown in column (15).
- 29 Q. PLEASE DESCRIBE THE PROCESS FOR DETERMINING THE  
30 PROPOSED RATE CLASS DCRFs.

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1 A. Once the rate class DCRF revenue requirements (see column (15) of  
2 Schedule J) and the adjusted DCRF rate class billing units have been  
3 determined (see column (7) of Schedule H, as restated in column (16) of  
4 Schedule J), the DCRF rates are calculated by dividing the adjusted DCRF  
5 Revenue Requirement for each rate class by the adjusted billing units. The  
6 results of these calculations are shown in column (17) of Schedule J.

7 **VI. PROPOSED RIDER DCRF**

8 Q. HAVE YOU PREPARED A PROPOSED RIDER FOR THE RECOVERY OF  
9 THE DCRF CHARGES DEVELOPED IN COLUMN (17) OF SCHEDULE J  
10 FOR THE COMPANY'S RETAIL RATE CLASSES?

11 A. Yes. I have prepared a proposed revision to rider "6.1.1.6.4 Rider  
12 Distribution Cost Recovery Factor (DCRF)." This proposed rider revision is  
13 included as my Exhibit JIF-4.

14 Q. WHAT RATE CLASSES ARE INCLUDED IN THE COMPANY'S  
15 PROPOSED RIDER DCRF?

16 A. As shown on page 3 of my Exhibit JIF-4, the proposed Rider DCRF contains  
17 the unit charges developed in Schedule J for the following rate classes:

18 Residential Service;  
19 Secondary Service Less Than or Equal to 10 kW;  
20 Secondary Service Greater Than 10 kW;  
21 Primary Service Less Than or Equal to 10 kW;  
22 Primary Service Greater Than 10 kW – Distribution Line;  
23 Primary Service Greater Than 10 kW – Substation;  
24 Transmission Service; and  
25 Lighting Service.

26 Q. PLEASE DESCRIBE THE DCRF BILLING UNITS FOR EACH CLASS.

27 A. Rider DCRF is billed on the same billing unit basis as the Distribution  
28 System Charge for each of the rate classes listed above. Therefore, the  
29 Residential, Secondary Service Less Than or Equal to 10 kW, Primary  
30 Service Less Than or Equal to 10 kW, and Lighting rate classes are billed

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1 on kWh usage. For all of the other rate classes listed above, the DCRF  
2 charges are based on kW Billing Demands, as defined for each rate class  
3 in Oncor's Tariff For Retail Delivery Service.

4 Q. WHAT IS THE PROPOSED EFFECTIVE DATE FOR RIDER DCRF?

5 A. Oncor requests an effective date for Rider DCRF and the associated  
6 revisions to the Company's Tariff for Retail Delivery Service of December  
7 1, 2024, consistent with PURA § 36.210(i). This means that the new DCRF  
8 rates approved in this docket will be reflected on bills rendered on and after  
9 December 1, 2024, until replaced with a new rate by Commission order.

10 **VII. PROPOSED RIDER WDCRF**

11 Q. HAVE YOU PREPARED A PROPOSED RIDER FOR THE RECOVERY OF  
12 THE DCRF CHARGES DEVELOPED IN COLUMN (17) OF SCHEDULE J  
13 FOR THE COMPANY'S WHOLESALE DISTRIBUTION RATE CLASSES?

14 A. Yes. I have prepared a proposed revision to rider "3.6 Rider WDCRF –  
15 Wholesale Distribution Cost Recovery Factor" for inclusion in the  
16 Company's Tariff for Transmission Service. This proposed rider revision is  
17 included as my Exhibit JIF-5.

18 Q. WHAT RATE CLASSES ARE INCLUDED IN THE COMPANY'S  
19 PROPOSED RIDER WDCRF?

20 A. As shown on page 3 of my Exhibit JIF-5, the Proposed Rider WDCRF  
21 contains the unit charges developed in Schedule J for the Wholesale  
22 Substation Service and Wholesale Distribution Line Service rate classes.

23 Q. PLEASE DESCRIBE THE BILLING UNITS FOR THESE RATE CLASSES.

24 A. Rider WDCRF is billed on the Distribution System Charge Billing Demand.

25 Q. WHAT IS THE PROPOSED EFFECTIVE DATE FOR RIDER WDCRF?

26 A. Oncor requests an effective date for Rider WDCRF and the associated  
27 revisions to the Company's Tariff for Transmission Service of December 1,  
28 2024, consistent with PURA § 36.210(i). This means that the new DCRF  
29 rates approved in this docket will be reflected on bills rendered on and after  
30 December 1, 2024, until replaced with a new rate by Commission order.

PUC Docket No. \_\_\_\_\_

Fennell – Direct  
Oncor Electric Delivery  
August 2024 DCRF Application

**VIII. CONCLUSION**

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- Q. PLEASE SUMMARIZE YOUR DIRECT TESTIMONY.
- A. I prepared the proposed revisions to Rider DCRF to the Company's Tariff for Retail Delivery Service and the proposed revisions to Rider WDCRF to the Company's Tariff for Transmission Service to implement the DCRFs for each applicable rate class as calculated in Schedule J.
- I also prepared Schedule H to calculate the adjusted billing units and the class load growth factor for each rate class. I then prepared Schedule J, which compiled all of the cost components required by the DCRF Rule, to calculate the DCRF revenue requirement and, subsequently, to calculate the DCRFs for each rate class.
- Q. WHAT RELIEF IS ONCOR REQUESTING IN THIS PROCEEDING?
- A. Oncor is requesting that the proposed Rider DCRF and the proposed Rider WDCRF be approved, with an effective date of December 1, 2024, meaning that the new rates will be applicable to bills rendered on and after that date.
- Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?
- A. Yes, it does.

**AFFIDAVIT**

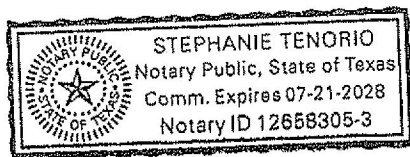
STATE OF TEXAS       §  
                                  §  
COUNTY OF DALLAS   §

**BEFORE ME**, the undersigned authority, on this day personally appeared Janice I. Fennell, who, having been placed under oath by me, did depose as follows:

My name is Janice I. Fennell. I am of legal age and a resident of the State of Texas. The Application in this proceeding complies with 16 TAC § 25.243, PURA § 36.210 and Oncor's tariffs. The Application and the foregoing direct testimony and the attached exhibits offered by me are, to the best of my knowledge, information, and belief, accurate, true, and correct.

  
\_\_\_\_\_  
Janice I. Fennell

**SUBSCRIBED AND SWORN TO BEFORE ME** by the said Janice I. Fennell  
this 12<sup>th</sup> day of August, 2024.



  
\_\_\_\_\_  
Notary Public, State of Texas

PUC Docket No. \_\_\_\_\_

Fennell – Direct  
Oncor Electric Delivery  
August 2024 DCRF Application

## Janice Irene Fennell

### Oncor Work Experience

Internal Audit (June 2014 – September 2019)

Technology – Cyber Security (September 2019 – August 2020)

Regulatory & Rates (August 2020 – Present)

- Duties: Responsible for the preparation and filing of semi-annual Transmission Cost Recovery Factor (TCRF) Updates. Promoted to Senior Manager of Rates in January 2024; responsible for the preparation and filing of Distribution Cost Recovery Factor (DCRF) updates, Energy Efficiency Cost Recovery Factor (EECRF), tariff administration, and class cost of service studies.

### Oncor Rate Design and Cost Allocation Experience:

#### **Transmission Cost Recovery Factor (TCRF)**

PUCT Docket No. 51560 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – November 2020*

PUCT Docket No. 52175 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – May 2021*

PUCT Docket No. 52898 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – November 2021*

PUCT Docket No. 53675 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – May 2022*

PUCT Docket No. 54388 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – November 2022*

PUCT Docket No. 55075 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – May 2023*

PUCT Docket No. 55928 – *Petition of Oncor Electric Delivery LLC to Update Its Transmission Cost Recovery Factor – November 2023*

#### **Energy Efficiency Cost Recovery Factor (EECRF)**

PUCT Docket No. 52178 – *Application of Oncor Electric Delivery Company LLC to Adjust Its Energy Efficiency Cost Recovery Factor – May 2021*

PUCT Docket No. 53671 – *Application of Oncor Electric Delivery Company LLC to Adjust Its Energy Efficiency Cost Recovery Factor – May 2022*

PUCT Docket No. 55074 – *Application of Oncor Electric Delivery Company LLC to Adjust Its Energy Efficiency Cost Recovery Factor – May 2023*

PUCT Docket No. 56682 – *Application of Oncor Electric Delivery Company LLC to Adjust Its Energy Efficiency Cost Recovery Factor – May 2024*

#### **Distribution Cost Recovery Factor (DCRF)**

PUCT Docket No. 55190 – *Application of Oncor Electric Delivery Company LLC to Amend Its Distribution Cost Recovery Factor and Update Mobile Generation Riders – June 2023*

PUCT Docket No. 55525 – *Application of Oncor Electric Delivery Company LLC to Amend Its Distribution Cost Recovery Factor – September 2023*



## Janice Irene Fennell

Exhibit JIF 1  
Page 2 of 2

PUCT Docket No. 56306 - *Application of Oncor Electric Delivery Company LLC to Amend Its Distribution Cost Recovery Factor and Update Mobile Generation Riders - March 2024*

### Base Rates Cases

PUCT Docket No. 53601 - *Application of Oncor Electric Delivery Company LLC For Authority to Change Rates - May 2022*

### Education

Texas A&M University - College Station, Texas (May 2007)  
Bachelor Business Administration (BBA) - Accounting, *Cum Laude*  
Master of Science (MS) - Management Information Systems

### Certifications

Certified Public Accountant (CPA)  
State of Texas License # 091947

# Rate Class Billing Determinants Approved in Docket No. 53601

Oncor DCRF Baseline, 12/31/2021 Test Year

LINE	DESCRIPTION	VOLT	Billing Unit Type (1)	Reference Schedule Workpaper	Billing units approved in Docket No. 53601 (2)
1	Residential	Sec	kWh	WP/Sched H	46,057,336,770
2	Secondary 10 kW and Below	Sec	kWh	WP/Sched H	1,879,492,852
3	Secondary Greater than 10 kW	Sec	kW	WP/Sched H	154,748,884
4	Primary 10 kW and Below	Primary	kWh	WP/Sched H	27,825,268
5	Primary Greater than 10 kW	Primary	kW	WP/Sched H	39,469,464
6	Substation	Primary	kW	WP/Sched H	12,298,888
7	Transmission	Trans	kW	WP/Sched H	43,125,273
8	Lighting	Sec	kWh	WP/Sched H	379,980,295
9	Wholesale - Substation	Primary	kW	WP/Sched H	1,579,356
10	Wholesale - Distribution Line	Primary	kW	WP/Sched H	1,821,139

Oncor Electric Delivery Company LLC  
History of DCRF Charges  
2018 - 2024

Effective Date	Residential Service	Secondary Service		Primary Service			Transmission Service	Lighting Service	Wholesale Service		Docket No.
				>10 kW					Wholesale	Wholesale	
				Distribution					Substation	Line	
	(\$/kWh)	≤10 kW (\$/kWh)	>10 kW (\$/Billing kW)	≤10 kW (\$/kWh)	Line (\$/Billing kW)	Substation (\$/Billing kW)	(\$/Billing kW)	(\$/kWh)	(\$/Billing kW)	(\$/Billing kW)	
July 1, 2024	0.003472	0.003573	0.614487	0.002890	0.352451	0.090527	0.005877	0.004014	0.116828	0.450904	Docket No. 56306
Dec 28, 2023	0.002491	0.002411	0.452724	0.002018	0.251334	0.077283	0.004672	0.002845	0.089038	0.322324	Docket No. 55525
*	0.001847	0.001744	0.349260	0.001472	0.200969	0.063227	0.003838	0.002337	0.069645	0.248693	Docket No. 55190
Sep 1, 2023 (interim rates)	0.001851	0.001747	0.349875	0.001475	0.201323	0.063339	0.003845	0.002341	0.069767	0.249131	Docket No. 55190
May 1, 2023	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	Docket No. 53601
Sep 1, 2021	0.002213	0.002481	0.490802	0.001235	0.200042	0.044707	0.004528	0.008533	0.088025	0.350914	Docket No. 51996
Sep 1, 2020	0.001287	0.001374	0.266647	0.000620	0.111613	0.029207	0.002994	0.004595	0.045540	0.194644	Docket No. 50734
Sep 1, 2019	0.000474	0.000503	0.099593	0.000221	0.046956	0.012099	0.001175	0.001633	0.013982	0.065844	Docket No. 49427
Sep 1, 2018	0.000183	0.000190	0.037928	0.000092	0.019495	0.005353	0.000486	0.000595	0.005748	0.028013	Docket No. 48231

\* These DCRF charges are the final rates approved in Docket No. 55190 with an effective date of January 1, 2024. However, these rates were never implemented as the rates from DCRF Docket No. 55525 were implemented prior to that date.

6.1.1 Delivery System Charges  
Applicable: Entire Certified Service Area  
Effective Date: December 1, 2024

Sheet: 6.4  
Page 1 of 3  
Revision: Nine

## 6.1.1.6.4 Rider Distribution Cost Recovery Factor (DCRF)

### APPLICABILITY

Each Retail Customer connected to the Company's transmission or distribution system will be assessed a nonbypassable distribution service charge adjustment pursuant to this rider. The charges derived herein, pursuant to Substantive Rule § 25.243, are necessitated by incremental distribution costs not included in the Company's last general rate case proceeding before the Commission.

### MONTHLY RATE

The Competitive Retailer, on behalf of the Retail Customer, will be assessed this distribution service charge adjustment based on the monthly per unit cost (DCRF) multiplied times the Retail Customer's appropriate monthly billing determinant (kWh or Billing kW).

The DCRF shall be calculated for each rate according to the following formula:

$$\text{DCRF} = \frac{[(\text{DIC}_C - \text{DIC}_{RC}) * \text{ROR}_{AT}] + (\text{DEPR}_C - \text{DEPR}_{RC}) + (\text{FIT}_C - \text{FIT}_{RC}) + (\text{OT}_C - \text{OT}_{RC}) - \sum (\text{DISTREV}_{RC\text{-CLASS}} * \% \text{GROWTH}_{\text{CLASS}})] * \text{ALLOC}_{\text{CLASS}} / \text{BDC}_{\text{CLASS}}}{1}$$

rounded to nearest \$.000001

Where:

- $\text{DIC}_C$  = Current Net Distribution Invested Capital
- $\text{DIC}_{RC}$  = Net Distribution Invested Capital from the last comprehensive base-rate proceeding.
- $\text{ROR}_{AT}$  = After-Tax Rate of Return as defined in Substantive Rule § 25.243(d)(2).
- $\text{DEPR}_C$  = Current Depreciation Expense, as related to Current Gross Distribution Invested Capital, calculated using the currently approved depreciation rates.
- $\text{DEPR}_{RC}$  = Depreciation Expense, as related to Gross Distribution Invested Capital, from the last comprehensive base-rate proceeding.
- $\text{FIT}_C$  = Current Federal Income Tax, as related to Current Net Distribution Invested Capital, including the change in federal income taxes related to the change in return on rate base and synchronization of interest associated with the change in rate base resulting from additions to and retirements of distribution plant as used to compute Net Distribution Invested Capital.
- $\text{FIT}_{RC}$  = Federal Income Tax, as related to Net Distribution Invested Capital from the last comprehensive base-rate proceeding.
- $\text{OT}_C$  = Current Other Taxes (taxes other than income taxes and taxes associated with the return on rate base), as related to Current Net Distribution Invested capital, calculated using current tax rates and the methodology from the last comprehensive base-rate proceeding, and not including municipal franchise fees.
- $\text{OT}_{RC}$  = Other Taxes, as related to Net Distribution Invested Capital from the last comprehensive base-rate proceeding, and not including municipal franchise fees.
- $\text{DISTREV}_{RC\text{-CLASS}}$  (Distribution Revenues by rate class based on Net Distribution Invested Capital from the last comprehensive base-rate proceeding) =  $(\text{DIC}_{RC\text{-CLASS}} * \text{ROR}_{AT}) + \text{DEPR}_{RC\text{-CLASS}} + \text{FIT}_{RC\text{-CLASS}} + \text{OT}_{RC\text{-CLASS}}$ .

**Tariff for Retail Delivery Service  
Oncor Electric Delivery Company LLC**

Exhibit JIF 4  
Page 2 of 3

6.1.1 Delivery System Charges  
Applicable: Entire Certified Service Area  
Effective Date: December 1, 2024

Sheet: 6.4  
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$\%GROWTH_{CLASS} = (\text{Growth in Billing Determinants by Class}) = (BD_{C-CLASS} - BD_{RC-CLASS}) / BC_{RC-CLASS}$ .

$DIC_{RC-CLASS} =$  Net Distribution Invested Capital allocated to the rate class from the last comprehensive base-rate proceeding.

$DEPR_{RC-CLASS} =$  Depreciation Expense, as related to Gross Distribution Invested Capital, allocated to the rate class in the last comprehensive base-rate proceeding.

$FIT_{RC-CLASS} =$  Federal Income Tax, as related to Net Distribution Invested Capital, allocated to the rate class in the last comprehensive base-rate proceeding.

$OT_{RC-CLASS} =$  Other Taxes, as related to Net Distribution Invested Capital, allocated to the rate class in the last comprehensive base-rate proceeding, and not including municipal franchise fees.

$ALLOCC_{CLASS} =$  Rate Class Allocation Factor approved in the last comprehensive base-rate proceeding, calculated as: total net distribution plant allocated to rate class, divided by total net distribution plant. For situations in which data from the last comprehensive base-rate proceeding are not available to perform the described calculation, the Rate Class Allocation Factor shall be calculated as the total distribution revenue requirement allocated to the rate class (less any identifiable amounts explicitly unrelated to Distribution Invested Capital) divided by the total distribution revenue requirement (less any identifiable amounts explicitly unrelated to Distribution Invested Capital) for all classes as approved by the commission in the electric utility's last comprehensive base-rate case.

The Allocation Factor for each listed rate schedule is as follows:

Residential Service	55.8203%
Secondary Service Less Than or Equal to 10 kW	2.0953%
Secondary Service Greater Than 10 kW	34.9913%
Primary Service Less Than or Equal to 10 kW	0.0284%
Primary Service Greater Than 10 kW Distribution Line	5.5524%
Primary Service Greater Than 10 kW Substation	0.5328%
Transmission Service	0.1234%
Lighting Service	0.5060%
Wholesale Service	
Substation	0.0638%
Distribution Line	0.2863%

$BD_{C-CLASS} =$  Rate Class Billing Determinants (weather-normalized and adjusted to reflect the number of customers at the end of the period) for the 12 months ending on the date used for purposes of determining the Current Net Distribution Invested Capital. For customer classes billed primarily on the basis of kilowatt-hour billing determinants, the DCRF shall be calculated using kilowatt-hour billing determinants. For customer classes billed primarily on the basis of demand billing determinants, the DCRF shall be calculated using demand billing determinants.

$BD_{RC-CLASS} =$  Rate Class Billing Determinants used to set rates in the last comprehensive base-rate proceeding.

**NOTICE**

This rate schedule is subject to the Company's Tariff and Applicable Legal Authorities.

**Tariff for Retail Delivery Service  
Oncor Electric Delivery Company LLC**

Exhibit JIF 4  
Page 3 of 3

**6.1.1 Delivery System Charges**  
Applicable: Entire Certified Service Area  
Effective Date: December 1, 2024

Sheet: 6.4  
Page 3 of 3  
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Distribution Cost Recovery Factor (DCRF)

Effective Date	Residential Service	Secondary Service		Primary Service		Transmission Service	Lighting Service
		<u>≤ 10 kW</u>	<u>&gt;10 kW</u>	<u>≤ 10 kW</u>	<u>&gt;10 kW</u>		
	(\$/kWh)	(\$/kWh)	(\$/Billing kW)	(\$/kWh)	(\$/Billing kW)	(\$/Billing kW)	(\$/kWh)
Dec 1, 2024	0.004553	0.004811	0.819305	0.004010	0.452807	0.107665	0.005404
July 1, 2024	0.003472	0.003573	0.614487	0.002890	0.352451	0.090527	0.004014
Dec 28, 2023	0.002491	0.002411	0.452724	0.002018	0.251334	0.077283	0.002845
*	0.001847	0.001744	0.349260	0.001472	0.200969	0.063227	0.002337
Sept 1, 2023	0.001851	0.001747	0.349875	0.001475	0.201323	0.063339	0.002341
May 1, 2023	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Sept 1, 2021	0.002213	0.002481	0.490802	0.001235	0.200042	0.044707	0.008533
Sept 1, 2020	0.001287	0.001374	0.266647	0.000620	0.111613	0.029207	0.004595
Sept. 1, 2019	0.000474	0.000503	0.099593	0.000221	0.046956	0.012099	0.001633
Sept. 1, 2018	0.000183	0.000190	0.037928	0.000092	0.019495	0.005353	0.000595

\* Per settlement in Docket No. 55525, Docket No. 55190 final rates were never implemented.

3.0 Rate Schedules  
Applicable: Wholesale Transmission Service  
Effective Date: December 1, 2024

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### 3.6 Rider WDCRF – Wholesale Distribution Cost Recovery Factor

#### Application

Each WDSC will be assessed a nonbypassable distribution service charge adjustment pursuant to this rider. The charges derived herein, pursuant to Substantive Rule § 25.243, are necessitated by incremental distribution costs not included in the Company's last general rate case proceeding before the Commission.

#### Monthly Rate

The WDSC receiving service will be assessed this distribution service charge adjustment based on the monthly per unit cost (WDCRF) multiplied times the WDSC's appropriate monthly billing determinant.

The WDCRF shall be calculated for each rate according to the following formula:

$$\text{WDCRF} = \frac{[(\text{DIC}_C - \text{DIC}_{RC}) * \text{ROR}_{AT}] + (\text{DEPR}_C - \text{DEPR}_{RC}) + (\text{FIT}_C - \text{FIT}_{RC}) + (\text{OT}_C - \text{OT}_{RC}) - \sum(\text{DISTREV}_{RC\text{-CLASS}} * \% \text{GROWTH}_{\text{CLASS}})] * \text{ALLOC}_{\text{CLASS}} / \text{BD}_{C\text{-CLASS}}}{\text{BD}_{C\text{-CLASS}}}$$

rounded to nearest \$.000001

Where:

- $\text{DIC}_C$  = Current Net Distribution Invested Capital
- $\text{DIC}_{RC}$  = Net Distribution Invested Capital from the last comprehensive base-rate proceeding.
- $\text{ROR}_{AT}$  = After-Tax Rate of Return as defined in Substantive Rule § 25.243(d)(2).
- $\text{DEPR}_C$  = Current Depreciation Expense, as related to Current Gross Distribution Invested Capital, calculated using the currently approved depreciation rates.
- $\text{DEPR}_{RC}$  = Depreciation Expense, as related to Gross Distribution Invested Capital, from the last comprehensive base-rate proceeding.
- $\text{FIT}_C$  = Current Federal Income Tax, as related to Current Net Distribution Invested Capital, including the change in federal income taxes related to the change in return on rate base and synchronization of interest associated with the change in rate base resulting from additions to and retirements of distribution plant as used to compute Net Distribution Invested Capital.
- $\text{FIT}_{RC}$  = Federal Income Tax, as related to Net Distribution Invested Capital from the last comprehensive base-rate proceeding.
- $\text{OT}_C$  = Current Other Taxes (taxes other than income taxes and taxes associated with the return on rate base), as related to Current Net Distribution Invested capital, calculated using current tax rates and the methodology from the last comprehensive base-rate proceeding, and not including municipal franchise fees.
- $\text{OT}_{RC}$  = Other Taxes, as related to Net Distribution Invested Capital from the last comprehensive base-rate proceeding, and not including municipal franchise fees.

$\text{DISTREV}_{RC\text{-CLASS}}$  (Distribution Revenues by rate class based on Net Distribution Invested Capital from the

TARIFF FOR TRANSMISSION SERVICE  
ONCOR ELECTRIC DELIVERY COMPANY LLC

Exhibit JIF 5  
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**3.0 Rate Schedules**

**Applicable: Wholesale Transmission Service**

**Effective Date: December 1, 2024**

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last comprehensive base-rate proceeding) =  $(DIC_{RC-CLASS} * ROR_{AT}) + DEPR_{RC-CLASS} + FIT_{RC-CLASS} + OT_{RC-CLASS}$ .

$\%GROWTH_{CLASS}$  (Growth in Billing Determinants by Class) =  $(BD_{C-CLASS} - BD_{RC-CLASS}) / BC_{RC-CLASS}$ .

$DIC_{RC-CLASS}$  = Net Distribution Invested Capital allocated to the rate class from the last comprehensive base-rate proceeding.

$DEPR_{RC-CLASS}$  = Depreciation Expense, as related to Gross Distribution Invested Capital, allocated to the rate class in the last comprehensive base-rate proceeding.

$FIT_{RC-CLASS}$  = Federal Income Tax, as related to Net Distribution Invested Capital, allocated to the rate class in the last comprehensive base-rate proceeding.

$OT_{RC-CLASS}$  = Other Taxes, as related to Net Distribution Invested Capital, allocated to the rate class in the last comprehensive base-rate proceeding, and not including municipal franchise fees.

$ALLOC_{CLASS}$  = Rate Class Allocation Factor approved in the last comprehensive base-rate proceeding, calculated as: total net distribution plant allocated to rate class, divided by total net distribution plant. For situations in which data from the last comprehensive base-rate proceeding are not available to perform the described calculation, the Rate Class Allocation Factor shall be calculated as the total distribution revenue requirement allocated to the rate class ( less any identifiable amounts explicitly unrelated to Distribution Invested Capital) divided by the total distribution revenue requirement (less any identifiable amounts explicitly unrelated to Distribution Invested Capital) for all classes as approved by the commission in the electric utility's last comprehensive base-rate case.

The Allocation Factor for each listed rate schedule is as follows:

Residential Service	55.8203%
Secondary Service Less Than or Equal to 10 kW	2.0953%
Secondary Service Greater Than 10 kW	34.9913%
Primary Service Less Than or Equal to 10 kW	0.0284%
Primary Service Greater Than 10 kW Distribution Line	5.5524%
Primary Service Greater Than 10 kW Substation	0.5328%
Transmission Service	0.1234%
Lighting Service	0.5060%
Wholesale Service	
Substation	0.0638%
Distribution Line	0.2863%

$BD_{C-CLASS}$  = Rate Class Billing Determinants (weather-normalized and adjusted to reflect the number of customers at the end of the period) for the 12 months ending on the date used for purposes of determining the Current Net Distribution Invested Capital. For customer classes billed primarily on the basis of kilowatt-hour billing determinants, the WDCRF shall be calculated using kilowatt-hour billing determinants. For customer classes billed primarily on the basis of demand billing determinants, the WDCRF shall be calculated using demand billing determinants.

$BD_{RC-CLASS}$  = Rate Class Billing Determinants used to set rates in the last comprehensive base-rate proceeding.



TARIFF FOR TRANSMISSION SERVICE  
ONCOR ELECTRIC DELIVERY COMPANY LLC

Exhibit JIF 5 Page 3 of 3
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**3.0 Rate Schedules**

**Applicable: Wholesale Transmission Service**

**Effective Date: December 1, 2024**

Sheet: 6

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**Monthly Surcharge**

The WDCRF surcharge for each of the Company's applicable wholesale rate schedules is as follows:

Rate Schedule	WDCRF Surcharge
Wholesale Substation Service	\$0.134434 per kW, billed at Annual Demand (kW)
Wholesale Distribution Line Service	\$0.560106 per Billing kW

Annual Demand (kW) is the highest 15-minute kW recorded at the Point of Interconnection in the 12-month period ended with the current month.

The Billing kW applicable to the Distribution System Charge shall be the higher of the NCP kW for the current billing month or 80% of the highest monthly NCP kW established in the 11 months preceding the current billing month (80% ratchet).

**Notice**

This Rate Schedule is subject to the Company's Tariff for Transmission Service and Applicable Legal Authorities.

INDEX TO THE DIRECT TESTIMONY  
OF COLER D. SNELLEMAN, WITNESS FOR  
ONCOR ELECTRIC DELIVERY COMPANY LLC

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III. INVESTMENTS IN METERS .....	3
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V. INVESTMENTS IN CAPITAL SPARE SUBSTATION TRANSFORMERS AND MOBILE SUBSTATION EQUIPMENT .....	13
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PUC Docket No. \_\_\_\_\_

Snelleman - Direct  
Oncor Electric Delivery  
August 2024 DCRF Application

1 DIRECT TESTIMONY OF COLER D. SNELLEMAN

2 I. POSITION AND QUALIFICATIONS

3 Q. PLEASE STATE YOUR NAME, CURRENT EMPLOYMENT POSITION,  
4 AND BUSINESS ADDRESS.

5 A. My name is Coler D. Snelleman. I am employed by Oncor Electric Delivery  
6 Company LLC ("Oncor" or "Company"). I hold the position of Senior  
7 Director of Transmission and Distribution Supply Chain. My business  
8 address is 777 Main Street, Fort Worth, Texas.

9 Q. PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND  
10 PROFESSIONAL EXPERIENCE.

11 A. I graduated with a bachelor's degree in Economics from the United States  
12 Military Academy at West Point, New York in 1998. From there, I went on  
13 to obtain a master's degree in Engineering Management from Southern  
14 Methodist University in Dallas, Texas in 2001. After receiving my master's  
15 degree, I spent fifteen years working in a variety of manufacturing and  
16 sourcing roles within the supply chain organization at General Mills,  
17 including in plant leadership and in business operations at the company's  
18 global headquarters in Minneapolis, Minnesota. From 2014 to 2018, I was  
19 the head of General Mills' sourcing organization for all of the Latin American  
20 region. I joined Oncor on August 13, 2018.

21 Q. WHAT HAVE YOUR RESPONSIBILITIES BEEN WITH ONCOR AS THEY  
22 RELATE TO ITS APPLICATION TO AMEND ITS DISTRIBUTION COST  
23 RECOVERY FACTOR ("DCRF")?

24 A. I am responsible for purchasing all materials and services relating to the  
25 supply chain for Oncor's transmission and distribution systems.

26 Q. HAVE YOU PREVIOUSLY SUBMITTED TESTIMONY BEFORE THE  
27 PUBLIC UTILITY COMMISSION OF TEXAS ("COMMISSION")?

28 A. Yes. I presented pre-filed testimony in Docket No. 51100 on behalf of the  
29 City of Lubbock, acting by and through Lubbock Power & Light. I also  
30 submitted testimony in Docket No. 55190, 55525, and 56306 on behalf of

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PUC Docket No. \_\_\_\_\_

Snelleman - Direct  
Oncor Electric Delivery  
August 2024 DCRF Application

1 Oncor.

2 **II. PURPOSE OF DIRECT TESTIMONY**

3 Q. WHAT IS THE PURPOSE OF YOUR DIRECT TESTIMONY?

4 A. The purpose of my direct testimony is to support Oncor's application to  
5 amend its DCRF by addressing Oncor's investments, including working  
6 reserves, in meters and meter-related hardware and distribution  
7 transformers, regulators, and capacitors. I describe the details regarding  
8 Oncor's utilization of these assets, the operational reasons why Oncor must  
9 periodically replace them and, for those reasons, why it is critical for the  
10 Company to maintain a working reserve in order to provide adequate and  
11 uninterrupted service to its customers. I also explain that the associated  
12 investment is used and useful and ensures the reliability and overall service  
13 quality of Oncor's distribution system. I discuss Oncor's need for capital  
14 spare substation transformers and mobile substation equipment and the  
15 reasons why these assets are appropriately included for recovery in this  
16 proceeding. In addition, my testimony discusses Oncor's need to purchase  
17 land for substations and the reasons why Oncor's substation land should  
18 be included for recovery in this proceeding.

19 Please see the direct testimony of Company witness Mr. W. Alan  
20 Ledbetter for the appropriate regulatory accounting treatment of these  
21 assets.

22 My direct testimony, sponsored schedules, and workpapers were  
23 prepared by me or under my direction, supervision or control, and are true  
24 and correct. I will address each topic in the same order reflected in the  
25 above listing.

26 **III. INVESTMENTS IN METERS**

27 Q. WHAT PROCESS DOES ONCOR USE TO DETERMINE HOW MANY  
28 METERS IT NEEDS TO PURCHASE EACH YEAR?

29 A. Each year, Oncor conducts a detailed review of the growth experienced  
30 within its service territory, the number and type of meters that have failed

1 over the course of the year, and any other unique circumstances that may  
2 impact Oncor's meter requirements. As part of Oncor's detailed annual  
3 review, Oncor determines the number and type of meters it will need to keep  
4 on hand across its service territory where active meters are installed. Oncor  
5 also determines the number and type of meters needed to properly stock  
6 the approximately 800 measurement and distribution field resources  
7 responsible for installing meters across Oncor's service territory. These  
8 meter needs are monitored throughout the year, and purchases are  
9 adjusted as needed. This strategy allows Oncor to promptly respond to  
10 customers' service needs and comply with its tariff requirements.

11 Q. PLEASE EXPLAIN HOW GROWTH INFLUENCES ONCOR'S METER  
12 PURCHASING NEEDS.

13 A. Oncor continues to experience significant load and premise growth in parts  
14 of its service territory. The Company added, on average, 71,258 new  
15 electricity distribution points of delivery over each the past four years (June  
16 2020 through June 2024). In the twelve months ended June 2024, Oncor  
17 added 74,200 new electricity distribution points of delivery. Currently,  
18 Oncor is projecting that it will add approximately 75,000 new electricity  
19 distribution points of delivery in calendar year 2024. As of the end of June  
20 2024, the five-year compound annual growth rate for Oncor's customers  
21 was 1.9%. As Oncor continues to serve new premises, it must purchase  
22 and install new meters at those new locations and maintain a reserve of  
23 meters should one or more need to be replaced.

24 Q. WHAT ACTION DOES ONCOR TAKE WHEN A METER FAILURE  
25 OCCURS?

26 A. Oncor's meters continually perform a self-diagnostic health check. As part  
27 of this process, each meter is programmed to send event and/or alarm  
28 notifications to the Company that identify any issue with the meter's ability  
29 to function properly. When event or alarm notifications indicating a failure  
30 are received from a meter, Oncor replaces the existing meter as soon as

1 practical. Examples of these events or alarms include those for when a  
2 meter clock is out of sync, a meter's non-volatile memory is corrupted, or  
3 when a meter has a communication failure. Meters may also need to be  
4 replaced by Oncor as a result of a failure to accept firmware upgrades that  
5 are pushed over Oncor's communication network to the meter.

6 Q. ARE THERE ANY OTHER REASONS THAT ONCOR MAY NEED TO  
7 REPLACE A METER?

8 A. Yes. There are other reasons for replacing meters such as customer  
9 tampering, which is an issue that has been recognized by the Commission  
10 and addressed with specific rules. Also, weather-related impacts or  
11 vandalism may cause Oncor to replace a meter to ensure continuity and  
12 accurate measurement of electric service to the customer.

13 Additionally, meters may be replaced due to equipment either being  
14 missing, stolen, damaged, or not fully functioning due to a component  
15 failure. A non-functioning meter is removed from service and returned to  
16 the manufacturer which, depending on failure type, may be able to upgrade  
17 the meter with a new circuit board, after which time Oncor can re-install the  
18 meter at a customer's premise. The newly installed circuit boards are  
19 equipped with more memory and a faster processor, resulting in an  
20 advanced metering system meter with the latest functionality.

21 Q. DOES ONCOR REPLACE METERS IN A TIMELY MANNER?

22 A. Yes, it is Oncor's standard practice to take prompt action on all meter  
23 replacements. Oncor's customers and market participants expect accurate  
24 metering for billing. In fact, under Sections 4.7.2 and 4.7.2.2 of Oncor's  
25 Tariff for Retail Delivery Service, the Company is precluded from  
26 performing estimated meter reads for more than three consecutive months  
27 before performing an actual meter read, except in cases where the retail  
28 customer has failed to provide access to the meter.

29 Q. DOES ONCOR ORDER METERS IN ADVANCE OF INSTALLATION AND  
30 ENERGIZATION?

- 1 A. Yes. Oncor maintains a working reserve of meters to ensure customer and  
2 market participant requirements are met given variable manufacturing lead  
3 times, customer-service dates, and replacement needs. Typical lead times  
4 to obtain meters from the manufacturer are approximately 24 weeks. If  
5 specialty meter items are required, the lead time can be even longer.  
6 Another factor that impacts meter lead times is manufacturer plant closings  
7 at the end of each year for the holidays. Other factors such as customer  
8 timelines can also impact the number of meters Oncor maintains in working  
9 reserves at a given time. For example, there are high-rise apartment  
10 development projects within Oncor's service territory for which the currently  
11 expected due dates for service can extend six months to a year beyond the  
12 deadline originally anticipated due to factors impacting the customer's  
13 project that are nearly all outside of Oncor's control. Oncor orders meters  
14 and holds them for the project based on the original anticipated customer-  
15 service date, without knowing whether (or for how long) the date may be  
16 extended due to customer circumstances.
- 17 Q. DOES ONCOR IMMEDIATELY INSTALL METERS WHEN THEY ARE  
18 RECEIVED FROM THE MANUFACTURER?
- 19 A. No. Once meters are received from the manufacturer at the Company's  
20 centralized systems operating center, the devices must be added to the  
21 Company's meter management system and sample tests conducted before  
22 making the units available for installation, which typically takes less than a  
23 week. The meters are then deployed to the service centers and field  
24 resources described above. Each service center has an established target  
25 minimum and maximum reserve level necessary to provide timely service  
26 to customers based upon historical and projected meter needs.
- 27 Q. DO METERS AND METER-RELATED HARDWARE HELD IN RESERVE  
28 HAVE TO BE INSTALLED OR ENERGIZED TO BE CONSIDERED TO BE  
29 "IN SERVICE"?

1 A. No, they do not. From an operational perspective, the units held in reserve  
2 at any time during the 30 month period ending June 30, 2024 (the DCRF  
3 update period in this proceeding) are part and parcel of Oncor's day-to-day  
4 service to the public. Using meters as an example, it would not be feasible  
5 from a reliability or customer service perspective for Oncor to purchase only  
6 the exact number and type of meters it needs to install and energize  
7 immediately upon receipt from the manufacturer. Rather, Oncor must  
8 purchase meters to be kept on hand in order to adequately provide electric  
9 service. The meters and meter-related hardware that Oncor purchases and  
10 provides to its service center storerooms and to its field resource teams are  
11 critical to ensuring that Oncor keeps electricity flowing to all customer  
12 premises as well as ensuring all consumption is captured and properly  
13 accounted for in the Electric Reliability Council of Texas market in a timely  
14 manner. For all these reasons, Oncor's meter investments, whether  
15 energized or held in reserve, were placed in service during the DCRF  
16 update period to provide timely and reliable service to customers.

17 Q. ARE ONCOR'S METER INVESTMENTS THAT WERE HELD IN  
18 RESERVE AS OF THE END OF THE DCRF UPDATE PERIOD USED AND  
19 USEFUL IN THE COMPANY'S PROVISION OF ELECTRIC SERVICE?

20 A. Yes. Given the lead time needed for purchasing meters from the  
21 manufacturer and the need to have meters on hand for the purposes  
22 described above, having additional meters in reserve, on a day-to-day  
23 basis, was and is essential to Oncor's provision of electric service. The  
24 reliability and overall service quality of Oncor's distribution system would be  
25 impaired if Oncor purchased only the exact number of meters it expects to  
26 install and energize at any particular point in time. By purchasing and  
27 keeping adequate working reserves of meters and meter-related hardware  
28 to address unanticipated meter failures, outages, weather-related damage,  
29 or new customer installations in the near-term, Oncor was and is able to



1 provide adequate and continuous service to the public and, therefore, the  
2 associated investment is used and useful.

3 **IV. INVESTMENTS IN DISTRIBUTION TRANSFORMERS,**  
4 **REGULATORS, AND CAPACITORS**

5 Q. DOES ONCOR INCLUDE AS PART OF ITS NET DISTRIBUTION  
6 INVESTED CAPITAL CERTAIN COSTS SPENT ON ACQUIRING  
7 DISTRIBUTION ASSETS THAT ARE NOT YET ENERGIZED, BUT HELD  
8 IN RESERVE? PLEASE EXPLAIN.

9 A. Yes. As I detail further below, and similar to the meter discussion above,  
10 from a customer service and reliability perspective, Oncor must purchase in  
11 advance certain long-lead-time distribution assets (such as transformers,  
12 including regulators or regulating transformers, and capacitors), some of  
13 which must be held in reserve. For example, the lead times for distribution  
14 transformers vary, by style, from 12 to 40 weeks from the time that Oncor  
15 orders a transformer until the transformer is received from the manufacturer.  
16 The lead time in any particular case will be dependent upon manufacturing  
17 capacity and availability of raw materials and specific components required  
18 to build the transformer at the specified voltage, rating, and configuration  
19 requested.

20 Having transformers available for installation is imperative to Oncor's  
21 ability to provide reliable service with minimal interruption to electric  
22 customers. Given the cost and the lead time for this type of distribution  
23 asset, as well as the large variability in types of transformers on Oncor's  
24 system, it is not feasible from either an operational perspective or a  
25 reliability perspective for Oncor to wait to purchase the asset until Oncor  
26 has an immediate need to install and energize it; doing so would  
27 significantly prolong new customer installation and impair Oncor's ability to  
28 respond to unexpected, emergency needs as they arise.

29 For these reasons, Oncor maintains a working reserve supply of  
30 distribution transformers. Thus far in 2024, Oncor has purchased

1 approximately 32,000 transformer units, and approximately 8,700 of those  
2 transformer units were installed in that time period. In total, including units  
3 purchased prior to 2024, a total of approximately 19,100 transformer units  
4 were installed during the six months ending June 30, 2024. The Company  
5 held the remainder in reserve to meet emergency and customer needs. On  
6 average, in the last twelve months Oncor installed approximately 113  
7 distribution transformers a day. This number could be substantially higher  
8 during storms and other times when the need for replacements on the  
9 system is high. As I explain further below, all of these assets, whether  
10 energized or held in working reserve, were in service from an operational  
11 perspective and used and useful in connection with Oncor's service to the  
12 public.

13 Q. IN ADDITION TO DISTRIBUTION TRANSFORMERS, ARE THERE  
14 OTHER TYPES OF DISTRIBUTION ASSETS WITH LONG LEAD TIMES?

15 A. Yes, the average lead time for capacitors exceeds the lead time for some  
16 transformers. Currently, the lead time for capacitors is roughly 20-23  
17 weeks. In the last 6 months, Oncor purchased approximately 1,950  
18 capacitor units. Oncor also installed 768 capacitors during this same  
19 period. As with transformers, for these types of long-lead-time assets for  
20 which Oncor is currently waiting approximately 20-23 weeks to receive in  
21 hand, Oncor cannot wait to purchase the assets until there is an immediate  
22 need to install and energize them. Instead, it is essential that Oncor  
23 maintain a working reserve quantity to meet unexpected failures or  
24 emergency needs in order to maintain system power quality.

25 Q. HOW DOES ONCOR'S PRACTICE OF MAINTAINING A WORKING  
26 RESERVE OF DISTRIBUTION TRANSFORMERS AND CAPACITORS  
27 IMPACT CUSTOMER RELIABILITY?

28 A. Oncor's system is home to a large number of distribution transformers,  
29 regulators, and capacitors. Failures of these types of distribution equipment  
30 occur for many reasons but are often increased during storms and extreme

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1 weather events. By maintaining an adequate working reserve of this  
2 equipment, Oncor is able to both serve new customers in a timely fashion  
3 and quickly address equipment failures sustained during storms or extreme  
4 weather. As a result, the Company reduces delays in fulfillment of new  
5 service requests and shortens the duration of customer outages in order to  
6 maintain the safe and reliable operation of the system.

7 Q. HOW DOES ONCOR'S PRACTICE OF MAINTAINING A WORKING  
8 RESERVE OF DISTRIBUTION TRANSFORMERS AND CAPACITORS  
9 IMPACT ONCOR'S ABILITY TO SERVE NEW CUSTOMERS?

10 A. Oncor continues to experience load and customer growth within its service  
11 territory. By purchasing certain quantities of these distribution assets in  
12 advance and holding them in working reserve, Oncor is able to ensure that  
13 an adequate supply is readily available to satisfy new customer growth as  
14 it arises, rather than having to wait weeks or months to receive the assets  
15 from the manufacturer.

16 Q. HOW DOES ONCOR DETERMINE THE APPROPRIATE QUANTITIES OF  
17 DISTRIBUTION TRANSFORMERS THAT IT NEEDS TO MAINTAIN IN  
18 WORKING RESERVE?

19 A. There are approximately 1,300 unique styles of distribution transformers on  
20 Oncor's distribution system. However, to minimize the amount of working  
21 reserve needed, Oncor currently uses approximately 500 unique  
22 transformer styles specifically designed to serve as compatible working  
23 reserve to back stand all transformer styles in the event of equipment  
24 failure, as well as to provide service to new customers. In any given year,  
25 40% to 60% of Oncor's total demand for transformers is reactive in nature  
26 and varies based on style of the transformer and seasonal adverse weather  
27 conditions. To provide for the possibility of a significant increase in demand  
28 due to weather, working reserve target levels are increased for the summer  
29 and winter seasons and then reduced during the spring and fall. In addition  
30 to the unpredictable Texas weather, Oncor must also consider national

1 demand and account for limited production capacity of the four major  
2 distribution transformer manufacturers in North America to respond  
3 immediately to a national weather demand event.

4 In addition, Oncor has to ensure adequate working reserves are  
5 available at all of its field service centers. Field service center stock levels  
6 are maintained based on open or pending construction projects, historical  
7 and seasonal reactive demand, and the number of similar units installed  
8 within a given service area. Oncor may assign additional units to a  
9 particular field service center based on its distance from the central  
10 warehouse as well as supply replenishment shipping schedules. Working  
11 reserve at the field service centers are based on one week of historical  
12 reactive demand for single-phase transformers in addition to all  
13 transformers required for pending open projects within two weeks of each  
14 project's scheduled construction start date. Oncor resupplies the field  
15 service centers weekly from the equipment central warehouse. As with the  
16 central warehouse reserve levels, the Company seasonally adjusts reserve  
17 levels at the field service centers based on the higher probability of  
18 significant weather events during the summer and winter seasons.

19 Q. DOES ONCOR TAKE ANY STEPS TO MODERATE ITS WORKING  
20 RESERVE LEVELS?

21 A. Yes. The Company minimizes the working reserve at the central  
22 warehouse by leveraging the use of vendor-owned inventory that annually  
23 represents approximately 7% of anticipated system needs and up to 14%  
24 during heightened seasonal demand. In addition, Oncor administers an  
25 equipment refurbishment and repair program that supplies approximately  
26 10% of Oncor's annual demand. Oncor designs the working reserve at the  
27 central warehouse to provide sufficient replenishment to the field service  
28 locations weekly and provide for heightened seasonal demands during the  
29 summer and winter seasons. The Company has established the central  
30 warehouse standard target working reserve at one to two weeks' demand

1 to provide for unplanned manufacturing and shipping delays. Seasonally,  
2 this buffer is increased by one to two weeks during the summer and winter  
3 seasons. If a heightened demand is not experienced, then Oncor utilizes  
4 the elevated reserve stock during the spring and fall seasons. In addition  
5 to maintaining working reserves at field locations, the central warehouse  
6 also maintains the primary working reserve for three-phase transformers,  
7 regulating transformers, and specialized transformers, such as large  
8 distribution auto transformers, as well as distribution network and  
9 underground vault transformers. We centralize these higher value units to  
10 reduce overall cost, and they are only supplied to the field service locations  
11 for scheduled upcoming projects, for reactive demand, or for holding in a  
12 working reserve status to back stand critical customer installations such as  
13 hospitals and first responders.

14 Q. HOW DOES ONCOR DETERMINE THE APPROPRIATE QUANTITIES OF  
15 CAPACITORS THAT IT NEEDS TO MAINTAIN IN WORKING RESERVE?

16 A. For the majority of Oncor's capacitor needs, Oncor determines its working  
17 reserve requirements based on annually planned power factor correction  
18 and system improvement project requirements, as well as historically  
19 projected quantities needed to serve new customers and to meet reactive  
20 capacitor demand. For all approved, planned projects, the Company orders  
21 capacitors for a first quarter delivery date in order to provide adequate time  
22 for installation before summer peak demand. For serving new customers  
23 and meeting reactive capacitor requirements, monthly forecasts are  
24 provided to the manufacturer in order to reduce lead times. Oncor typically  
25 maintains eight to twelve weeks' demand of capacitor products at its central  
26 warehouse to provide for maintenance and reactive demand throughout the  
27 year. Oncor replenishes field service centers through the central  
28 warehouse as needed to maintain existing capacitor requirements in their  
29 respective service areas.

1 Q. ARE ONCOR'S INVESTMENTS IN DISTRIBUTION TRANSFORMERS  
2 AND CAPACITORS HELD IN WORKING RESERVE FOR THE FIRST SIX  
3 MONTHS OF 2024 USED AND USEFUL IN THE COMPANY'S  
4 PROVISION OF ELECTRIC SERVICE?

5 A. Yes, for all the reasons discussed above, these assets are essential to  
6 Oncor being able to provide adequate and continuous service to the public  
7 and, therefore, the associated investment is used and useful.

8 **V. INVESTMENTS IN CAPITAL SPARE SUBSTATION**  
9 **TRANSFORMERS AND MOBILE SUBSTATION EQUIPMENT**

10 Q. DOES ONCOR INCLUDE IN ITS NET DISTRIBUTION INVESTMENT THE  
11 COSTS OF "SPARE" SUBSTATION POWER TRANSFORMERS?

12 A. Yes. Substation power transformers are large, high-cost assets with long-  
13 lead purchase times. The average lead time for Oncor to purchase a  
14 substation spare transformer ranges from 40 to 52 weeks. Therefore,  
15 Oncor must maintain a fleet of spare transformers at all times in order to  
16 supply emergency needs that may arise.

17 Q. HOW DOES ONCOR'S PRACTICE OF MAINTAINING A WORKING  
18 RESERVE OF CAPITAL SPARE SUBSTATION TRANSFORMERS  
19 IMPACT CUSTOMER RELIABILITY?

20 A. At the 30 months ending June 30, 2024, there were approximately 1,790  
21 distribution substation power transformers in-service throughout Oncor's  
22 system. By maintaining a fleet of capital spare substation transformers,  
23 Oncor is able to provide continuous operations during times of equipment  
24 failure or loss of the use of the substation transformers on the Oncor  
25 system. Through the use of its capital spare substation transformers, Oncor  
26 is also able to relieve installed mobile substations so that they can be used  
27 for the minimum duration possible and can be made available for the next  
28 emergency that may arise. By maintaining an adequate working reserve of  
29 this equipment, Oncor is able to quickly address equipment failures, thereby

1 reducing customer outage durations and ensuring the reliable operation of  
2 the system.

3 Q. ARE ALL SUBSTATION POWER TRANSFORMERS THE SAME?

4 A. No. There are many different types of transformers utilized across the  
5 Oncor system with various winding configurations, high-side voltages, low-  
6 side voltages, and Mega Volt Amp or "MVA" ratings.

7 Q. IS IT CONSIDERED GOOD UTILITY PRACTICE TO MAINTAIN CAPITAL  
8 SPARE SUBSTATION POWER TRANSFORMERS?

9 A. Yes, it is.

10 Q. HOW MANY CAPITAL SPARE SUBSTATION POWER TRANSFORMERS  
11 DOES ONCOR CURRENTLY HAVE?

12 A. As of June 30, 2024, Oncor has 103 capital spare transformers.

13 Q. HOW DOES ONCOR DETERMINE THE REQUIRED NUMBER OF  
14 CAPITAL SPARE SUBSTATION POWER TRANSFORMERS IT NEEDS  
15 TO PURCHASE IN A GIVEN YEAR?

16 A. Oncor bases this determination on the characteristics of its existing  
17 substation power transformer fleet (taking into consideration voltages and  
18 winding configurations), transformer failure rates, the average life span of  
19 transformers, and manufacturing lead times. Oncor continuously monitors  
20 and actively manages its level of capital spare transformers to ensure  
21 availability of these critical assets. Oncor procures additional capital spares  
22 as its current units are consumed or as equipment failure rates or  
23 manufacturing lead times fluctuate.

24 Q. ARE SUBSTATION POWER TRANSFORMERS PERIODICALLY  
25 REPLACED ACCORDING TO A CERTAIN TIME SCHEDULE?

26 A. No. The Company does not replace substation power transformers on a  
27 set schedule. Instead, Oncor replaces them when required due to  
28 increased loading, system changes, or failures.

29 Q. WHAT ARE ONCOR'S SOURCES FOR OBTAINING CAPITAL SPARE  
30 SUBSTATION POWER TRANSFORMERS?

- 1 A. Oncor purchases new substation power transformers to be kept as capital  
2 spare units from the manufacturer. Additionally, used transformers that are  
3 being replaced on Oncor's system due to various reasons (such as the need  
4 for a higher rating or system changes) may be retained by Oncor to be used  
5 as capital spare units.
- 6 Q. ARE ONCOR'S INVESTMENTS IN CAPITAL SPARE SUBSTATION  
7 POWER TRANSFORMERS AS OF THE 30 MONTHS ENDING JUNE 30,  
8 2024 USED AND USEFUL IN THE COMPANY'S PROVISION OF  
9 ELECTRIC SERVICE?
- 10 A. Yes, for all the reasons discussed above, having capital spare substation  
11 power transformers on hand was essential to Oncor being able to provide  
12 adequate and continuous service to the public and, therefore, the  
13 associated investment is used and useful.
- 14 Q. DOES ONCOR INCLUDE IN ITS NET DISTRIBUTION INVESTMENT THE  
15 COSTS OF MOBILE SUBSTATION EQUIPMENT?
- 16 A. Yes. Because substation power transformers are large, high-cost assets  
17 with long-lead purchase times, Oncor must maintain mobile substation  
18 transformers and associated equipment to respond to emergency needs of  
19 the system. Mobile transformers are not permanent parts of the system,  
20 but they play a vital role in maintaining the reliability of the system. The  
21 availability of mobile transformers and related equipment enables Oncor to  
22 quickly restore distribution service when there is equipment failure, when  
23 there are forced outages for repairs, or in emergency situations due to  
24 natural disasters or storm response. When mobile transformers and  
25 equipment are used to restore electrical service, they function as part of the  
26 grid system and allow for the system to be reliably served during emergency  
27 events or critical outage situations.
- 28 Q. IS IT CONSIDERED GOOD UTILITY PRACTICE TO MAINTAIN MOBILE  
29 SUBSTATION EQUIPMENT?
- 30 A. Yes, it is.



1 Q. ARE ONCOR'S INVESTMENTS IN MOBILE SUBSTATION EQUIPMENT  
2 AS OF THE 30 MONTHS ENDING JUNE 30, 2024 USED AND USEFUL  
3 IN THE COMPANY'S PROVISION OF ELECTRIC SERVICE?

4 A. Yes, for all the reasons discussed above, having mobile transformers and  
5 associated equipment on hand was essential to Oncor being able to provide  
6 adequate and continuous service to the public and, therefore, the  
7 associated investment is used and useful.

8 **VI. INVESTMENTS IN SUBSTATION LAND PURCHASES**

9 Q. HAS ONCOR INCLUDED AS PART OF ITS NET DISTRIBUTION  
10 INVESTED CAPITAL THE COSTS OF LAND PURCHASES RELATED TO  
11 SUBSTATION CONSTRUCTION FOR SUBSTATIONS THAT WERE NOT  
12 ENERGIZED DURING THE DCRF UPDATE PERIOD?

13 A. Yes. As with the working reserve meters, transformers, regulators, and  
14 capacitors discussed in my testimony above, there are operational and  
15 reliability reasons why Oncor must purchase land for substations in  
16 advance, even if the substations on the land may not be immediately built  
17 and energized. Population or industry growth commonly drive the need for  
18 substations. Oncor must, therefore, be strategic in its planning and  
19 preparing for needed substations by acquiring property in areas where land  
20 acquisition or other development would preclude later purchase of real  
21 estate for substation purposes. This need to acquire property ahead of time  
22 continues to intensify given the current state of the real estate market in  
23 many areas within Texas, as demand and prices continue to increase while  
24 supply has not. Moreover, the quick pace of development in this state  
25 increases the risk that structures will be placed on land that could otherwise  
26 be suitable for a substation before Oncor is able to acquire it, making it more  
27 difficult to acquire the land through negotiation and/or condemnation. Once  
28 the proper location for a substation is determined, Oncor needs to be able  
29 to begin the process of purchasing the land because (1) real estate  
30 purchases and permitting take a considerable amount of time, (2) expanded

- 1 development can eliminate Oncor's ability to acquire suitable property, and  
2 (3) properties must meet certain physical requirements to be eligible for  
3 substation placement.
- 4 Q. ONCE ONCOR PLANS A NEW SUBSTATION, HOW LONG DOES IT  
5 TYPICALLY TAKE ONCOR TO ACQUIRE THE LAND FOR THE  
6 SUBSTATION?
- 7 A. The length of time it takes to acquire land for a substation varies based on  
8 the land's location, size, and ownership, as well as the applicable permitting  
9 requirements. Typically, this process takes between 18 and 24 months.  
10 For all substation land purchase projects included in this DCRF,  
11 construction has either (i) already commenced, or (ii) is currently on track  
12 to commence within 24 months from the land purchase date. Even before  
13 beginning the land acquisition process, however, Oncor attempts to work  
14 proactively with the relevant cities and landowners to identify the  
15 appropriate location for the substation. Additionally, if a transmission line  
16 extension is required, then additional land rights or landowner consent and  
17 an amendment to Oncor's certificate of convenience and necessity may be  
18 required.
- 19 Q. ARE THERE BENEFITS TO ACQUIRING SUBSTATION LAND IN  
20 ADVANCE OF THE DATE ON WHICH ONCOR PLANS TO START  
21 CONSTRUCTION OF THE SUBSTATION?
- 22 A. Yes. Acquiring the substation land in advance provides Oncor with certainty  
23 of land availability so that Oncor can be assured that it will be able to meet  
24 customer and reliability needs. It also affords flexibility in construction  
25 timing. It should be noted, however, that various factors can impact the  
26 planned timing for the construction of the substation and the substation  
27 energization date, such as issues with identifying suitable sites, zoning, and  
28 permitting activities, floodplain mitigation, and timing of load additions.
- 29 Q. CAN JUST ANY PROPERTY BE USED AS A SUBSTATION SITE?

1 A. No. There are numerous physical requirements for substation development  
2 that make only a certain few properties compatible with substation  
3 construction. For example, substations generally cannot have sub-surface  
4 facilities, so the property must be free of pipelines and other encumbrances  
5 or easements. A new substation property must also be located out of the  
6 floodplain and have quality road access for equipment transport and service  
7 restoration purposes. All of these physical requirements demonstrate why  
8 Oncor must be able to acquire substation property in advance of  
9 construction while the property is still available, rather than waiting until just  
10 before starting physical construction.

11 Q. ONCE ONCOR ACQUIRES THE SUBSTATION LAND, HOW SOON  
12 DOES CONSTRUCTION OF THE SUBSTATION TYPICALLY BEGIN?

13 A. While the construction timeline varies among substations, construction of  
14 the substation typically begins within 24 months of the substation land  
15 acquisition as of today. During this time, engineering can then be released  
16 to begin final design, procure the material and equipment necessary for the  
17 project, and initiate the contractor bidding process for the purpose of  
18 assigning resources, which then allows internal stakeholders to establish a  
19 construction schedule. Without having first secured and acquired the land,  
20 it would not be reasonable to undertake all of these initial steps, given that  
21 Oncor would be incurring costs for substation plans uniquely tailored to a  
22 specific site when that site may end up being unavailable for acquisition by  
23 the time of the planned construction commencement date.

24 While the typical lead time is up to 24 months before construction  
25 begins, construction schedules may occasionally change due to factors  
26 such as timing of customer load additions, resource and clearance  
27 availability, permitting requirements, supply chain delays, or other system  
28 needs. These factors cannot always be anticipated with certainty at the  
29 time the substation land is acquired; instead, these factors may arise a year  
30 or more after the land is purchased and can result in unexpected delays in

1 the commencement of construction of (and, consequently, the completion  
2 of construction and the energization of) the substation.

3 Q. HOW DOES ONCOR DETERMINE WHETHER SUBSTATION LAND  
4 SHOULD BE PLACED IN ELECTRIC PLANT IN SERVICE ("EPIS") OR  
5 ELECTRIC PLANT HELD FOR FUTURE USE ("EPHFU")?

6 A. As explained in more detail in Company witness Mr. Ledbetter's direct  
7 testimony, land purchased for the purpose of substation construction is  
8 placed into EPIS if substation design, site preparation, and construction of  
9 facilities are planned to begin in the near future. Otherwise, if Oncor does  
10 not intend for site design, preparation, and construction to begin until a later  
11 date, then the substation land is placed into EPHFU. This is the same  
12 treatment that Oncor applies to easements acquired for transmission line  
13 projects. This is also the same treatment that Oncor applied to land  
14 purchased for future substation sites in previous DCRF Docket Nos. 55190  
15 and 56306, which the Commission found to be appropriate.<sup>1</sup>

16 Q. ARE ONCOR'S SUBSTATION LAND PURCHASES AS OF THE 30  
17 MONTHS ENDING JUNE 30, 2024 USED AND USEFUL IN THE  
18 COMPANY'S PROVISION OF ELECTRIC SERVICE?

19 A. Yes, for all the reasons discussed above, the land that was purchased for  
20 use in the near future was essential to Oncor being able to provide adequate  
21 and continuous service to the public and, therefore, the associated  
22 investment is used and useful.

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<sup>1</sup> See *Application of Oncor Electric Delivery Company LLC to Amend its Distribution Cost Recovery Factor and Update Mobile Generation Riders*, Docket No. 55190, Interim Order at Finding of Fact 56 (Nov. 3, 2023) (stating in part, "Oncor appropriately recorded land purchased for future substation sites as plant in service because design and construction activities were expected to begin within 18 to 24 months of the purchase and are eligible for inclusion under 16 TAC § 25.243(b)(3)....") ; see also *Application of Oncor Electric Delivery Company LLC to Amend its Distribution Cost Recovery Factor and Update Mobile Generation Riders*, Docket No. 56306, Interim Order at Finding of Fact 43 (May 16, 2024) (stating in part, "Oncor appropriately recorded land purchased for future substation sites as plant in service because design and construction activities were expected to begin within 18-24 months of the purchase and are eligible for inclusion under 16 TAC § 25.243(b)(3)....").

1 **VII. SUMMARY AND CONCLUSION**

2 Q. PLEASE SUMMARIZE YOUR DIRECT TESTIMONY.

3 A. In summary, due to engineering concerns and manufacturing constraints,  
4 and in order to provide reliable service to the public, Oncor must purchase  
5 in advance certain distribution assets to be held in working reserve so that  
6 an adequate supply is available to satisfy new customer growth, to make  
7 necessary unit replacements, and to supply emergency needs as they arise.  
8 Due to long-lead purchase times, the potential for significant weather  
9 events, and seasonal variations in manufacturer supply and shipping times,  
10 Oncor cannot wait to purchase the assets until the moment at which Oncor  
11 has an immediate need to install and energize them. Accordingly, these  
12 working reserve assets are used and useful. For similar reasons, Oncor's  
13 capital spare transformer and mobile substation equipment investments are  
14 also necessary, used, and useful. Additionally, there are operational and  
15 reliability reasons why Oncor must purchase land for substations in  
16 advance, even if the substations on the land may not be immediately  
17 constructed and energized. For all of these reasons, these investments in  
18 Oncor's net distribution invested capital are eligible for inclusion in this  
19 DCRF update.

20 Q. DOES THIS CONCLUDE YOUR DIRECT TESTIMONY?

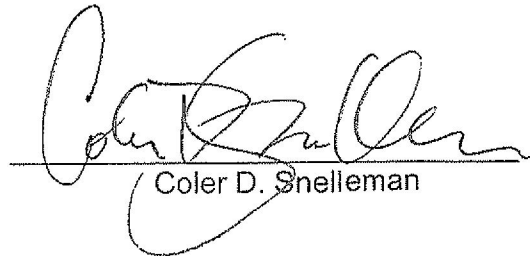
21 A. Yes, it does.

AFFIDAVIT

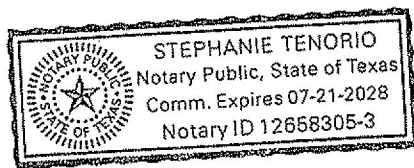
STATE OF TEXAS       §  
                                  §  
COUNTY OF DALLAS   §

BEFORE ME, the undersigned authority, on this day personally appeared Coler D. Snelleman, who, having been placed under oath by me, did depose as follows:

My name is Coler D. Snelleman. I am of legal age and a resident of the State of Texas. The Application in this proceeding complies with 16 TAC § 25.243 and Oncor's tariffs. The Application and the foregoing direct testimony offered by me are true and correct, and the opinions stated therein are, to the best of my knowledge, information, and belief, accurate, true and correct.

  
Coler D. Snelleman

SUBSCRIBED AND SWORN TO BEFORE ME by the said Coler D. Snelleman  
this 12<sup>th</sup> day of August, 2024.



  
Notary Public, State of Texas

PUC Docket No. \_\_\_\_\_

Snelleman - Direct  
Oncor Electric Delivery  
August 2024 DCRF Application

Schedule A : Summary of Distribution Cost of Service (DCOS)  
Sponsor: W. Alan Ledbetter

Summary of Distribution Cost of Service Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024							Reference Schedule
Line No.	Description	Total Docket No. 53601* (1)	Exclusions for DCRF (2)	Total Docket No. 53601 After Exclusions * (3) = (1)+(2)	Annual Change at 06/30/2024 (4)	Revenue Requirement (5) = (1) + (4)	
1	Operation & Maintenance, including (A&G)	2,538,516,451	(2,538,516,451)	-	-	2,538,516,451	Docket No. 53601
2	Depreciation and Amortization	543,360,740	(32,269,230)	511,091,510	116,149,459	659,510,199	E-1
3	Taxes Other Than Income Taxes	458,954,797	(315,657,939)	143,296,858	46,503,379	505,458,175	E-2
4	Federal Income Tax	68,683,857	(14,477,773)	54,206,084	34,834,341	103,518,198	E-3
5	Return on Rate Base	641,314,733	(87,781,292)	553,533,441	211,257,963	852,572,696	B
6	Total Revenue Requirement	4,250,830,577	(2,988,702,685)	1,262,127,892	408,745,142	4,659,575,720	
7	Other Revenues	(70,078,084)	70,078,084	-	-	(70,078,084)	Docket No. 53601
8	Total	4,180,752,493	(2,918,624,601)	\$1,262,127,892	408,745,142	\$4,589,497,635	

\* Docket No. 53601 DCRF baseline approved in Compliance Docket No. 54817 (Docket No. 53601 - 2022 rate case proceeding).

Schedule B: Summary of Distribution Rate Base  
Sponsor: W. Alan Ledbetter

Summary of Distribution Rate Base Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024							
Line No.	Description	Balance per Docket No. 53601* (1)	Exclusions for DCRF (2)	Balance per Docket No. 53601* With DCRF Exclusions (3) = (1) + (2)	Balance at 6/30/2024 (4)	Increase in Rate Base & Return (5) = (4) - (1)	Reference Schedules
1	Direct Assigned:						
2	Original Plant In Service	16,698,730,341	-	16,698,730,341	20,360,199,088	3,661,468,747	B-1
3	(Accumulated Depreciation)	(6,534,021,048)	-	(6,534,021,048)	(6,922,776,225)	(388,755,178)	B-5
4	Net Plant In Service	10,164,709,293	0	10,164,709,293	13,437,422,862	3,272,713,569	
5	Allocated Plant Accounts- Net *	262,412,268	(262,412,268)	-	262,412,268	-	Docket No. 53601
6	CWIP *	-	-	-	-	-	Docket No. 53601
7	Working Capital *	(12,898,686)	12,898,686	-	(12,898,686)	-	Docket No. 53601
8	Plant Held for Future Use *	1,745,979	(1,745,979)	-	1,745,979	-	Docket No. 53601
9	Regulatory Assets excl. plant-related excess deferred F	903,452,153	(903,452,153)	-	903,452,153	-	Docket No. 53601
10	Other *	176,276,176	(176,276,176)	-	176,276,176	-	Docket No. 53601
10a	Accumulated Deferred FIT (ADFIT) - Non Plant *	5,949,630	(5,949,630)	-	5,949,630	-	Docket No. 53601
10b	Excess ADFIT - Non Plant *	(16,918,089)	16,918,089	-	(16,918,089)	-	Docket No. 53601
10c	Acc. ADFIT & Excess ADFIT -Non Plant *	(10,968,459)	10,968,459	-	(10,968,459)	-	Docket No. 53601
10d	Accumulated Deferred FIT (ADFIT) - Plant Related	(1,260,470,111)	-	(1,260,470,111)	(1,423,513,425)	(163,043,314)	E-3.10
10e	Protected Excess ADFIT - Plant Related	(491,578,167)	-	(491,578,167)	(469,915,337)	21,662,830	E-3.10
10f	Unprotected Excess ADFIT - Plant Related	(88,849,874)	-	(88,849,874)	(43,371,488)	45,478,386	E-3.10
10g	Acc ADFIT & Excess ADFIT -Plant Related	(1,840,898,152)	-	(1,840,898,152)	(1,936,800,250)	(95,902,098)	B-7, L 24, Col 5, E-3.10
11	Subtotal	(783,290,989)	(1,057,607,163)	(1,840,898,152)	(879,193,087)	(95,902,098)	
12	Total Rate Base	9,643,830,572	(1,320,019,431)	8,323,811,141	12,820,642,042	3,176,811,471	
13	Rate of Return *	6.65%	6.65%	6.65%	6.65%	6.65%	Docket No. 53601
14	Return on Rate Base	\$641,314,733	(\$87,781,292)	\$553,533,441	\$852,572,696	\$211,257,963	

\* Docket No. 53601 DCRF baseline approved in Compliance Docket No. 54817 (Docket No. 53601 - 2022 rate case proceeding)

Non-tax related regulatory assets	912,045,627	Line 8
Tax-related regulatory assets/(liabilities)	(597,346,130)	(details below)
Total - Regulatory assets/(liabilities)	314,699,497	
Materials & Supplies	74,796,188	
Prepayments	104,576,673	
Other Rate Base Items	(3,086,684)	
Other	176,276,176	Line 9
ADFIT plant-related liability	(1,260,470,111)	Line 10d
ADFIT non-plant related liability	(211,674,829)	Excluded in DCRF baseline, line 10a
ADFIT non-plant related asset	217,618,981	Excluded in DCRF baseline, line 10a
Total - ADFIT	(1,254,525,959)	
Protected excess deferred taxes	(491,578,167)	Excess deferred taxes - plant-related**, line 10e
Non-protected excess deferred taxes	(97,762,907)	Excess deferred taxes - plant-related**, line 10f
Oncor plant-related basis differences	(16,918,089)	Excluded in DCRF baseline, line 10b
Oncor non-plant temporary differences	8,913,033	Excess deferred taxes - plant-related**, line 10f
Oncor excess reserve plant-related	(597,346,130)	Excess deferred federal income taxes
Total - Tax-related regulatory assets/(liabilities)	(597,346,130)	
Plant-related excess deferred taxes	(580,428,041)	Excess deferred taxes - plant-related**
Non-tax related regulatory assets	912,045,627	
Oncor non-plant temporary differences	(16,918,089)	
Reg assets excl. plant-related excess DFITs	895,127,538	



Schedule B-1: Distribution Plant - Gross  
Sponsor: W. Alan Ledbetter

Distribution Plant - Gross Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024							
Line No.	Account No.	Description	Reference Schedule Workpaper	Balance in Docket No. 53601 * (1)	Additions since Docket No. 53601 (2)	Retirements/Adjustments since Docket No. 53601 (3)	Balance at 06/30/2024 (4) = (1)+(2)-(3)
<b>Distribution Intangible Plant</b>							
1a	A303	Intangible Plant - 3 Year Life	WP/Sch B-1/1	214,682	4,231,459	905,872	5,352,013
1b	A303	Intangible Plant - 5 Year Life	WP/Sch B-1/1	18,575,398	52,194,648	(4,813,137)	65,956,909
1c	A303	Intangible Plant - 8 Year Life	WP/Sch B-1/1	172,777,634	101,894,078	(64,180,002)	210,491,710
1d	A303	Intangible Plant - 15 Year Life	WP/Sch B-1/1	481,308,731	127,451,410	(39,105,460)	569,654,682
1e	A303	Intangible Plant - AMS 7 Year Life	WP/Sch B-1/1	146,167,816	-	(65,154,418)	81,013,398
1f	A303	Subtotal Intangible Plant		819,044,261	285,771,596	(172,347,145)	932,468,712
<b>Transmission Plant</b>							
2	A352	Structures and Improvements	WP/Sch B-1/1	-	-	-	-
3a	A353	Station Equipment	WP/Sch B-1/1	330,462,584	81,014,956	(14,766,707)	396,710,833
3b	A353	Station Equipment - DC Tie	WP/Sch B-1/1	-	50	11,956,670	11,956,720
3c	A353	Station Equipment - SVC	WP/Sch B-1/1	51,398,067	3,479	2,289,908	53,691,454
4		Sub-Total		381,860,651	81,018,485	(520,130)	462,359,007
<b>Distribution Plant</b>							
5a	A360	Land and Land Rights (substation)	WP/Sched B-1/1	4,537,807	1,384,659	(321,019)	5,601,447
5b	A360	Land and Land Rights	WP/Sched B-1/1	18,508,221	927,047	(1,019,890)	18,415,378
6	A361	Structures and Improvements	WP/Sched B-1/1	137,062,053	83,467,139	1,058,759	221,587,951
7	A362	Station Equipment	WP/Sched B-1/1	1,757,053,883	522,238,228	(14,082,927)	2,265,209,184
8	A363	Storage Battery Equipment	WP/Sched B-1/1	-	-	-	-
9	A364	Poles, Towers & Fixtures	WP/Sched B-1/1	2,678,358,261	719,525,526	(64,364,639)	3,333,519,148
10	A365	O.H. Conductors & Devices	WP/Sched B-1/1	1,675,410,858	483,116,518	(45,575,489)	2,112,951,887
11	A366	Underground Conduits	WP/Sched B-1/1	1,082,118,478	391,412,152	(2,616,843)	1,470,913,787
12	A367	U.G. Conductors & Devices	WP/Sched B-1/1	2,553,927,528	547,691,739	(40,696,880)	3,060,922,387
13	A368	Line Transformers	WP/Sched B-1/1	2,493,077,762	665,572,526	(77,022,308)	3,081,627,981
14	A369	Services	WP/Sched B-1/1	1,652,238,990	267,816,719	(13,983,763)	1,906,071,946
15a	A370	Meters	WP/Sched B-1/1	199,955,073	77,068,311	(10,522,319)	266,501,065
15b	A370	Meters (HDR)	WP/Sched B-1/1	162,996,844	35,868,384	(7,077,834)	191,787,395
15c	A370	Meters (AMR/AMS)	WP/Sched B-1/1	211,195,565	-	(55,077,029)	156,118,537
16	A371	Install. on Customer Prem	WP/Sched B-1/1	54,631,097	2,635,049	(1,018,607)	56,247,539
17	A372	Leased Prop. on Cust. Premises		-	-	-	-
18	A373	Street Lights	WP/Sched B-1/1	437,403,826	106,804,712	(22,299,699)	521,908,839
19	A374	Land Owned in Fee	WP/Sched B-1/1	71,344,821	22,858,757	(6,581,680)	87,621,899
20		Sub-Total		15,189,821,069	3,928,387,469	(361,202,166)	18,757,006,371
<b>General Plant</b>							
21a	A391	Office furniture and equipment - computer equipment	WP/Sch B-1/1	219,019,754	31,463,841	(121,306,377)	129,177,218
21b	A391	Office furniture and equipment - computer equipment (AMS)	WP/Sch B-1/1	16,170,086	0	(16,170,086)	-
22a	A397	Communication Equipment (amortized)	WP/Sch B-1/1	24,799,846	5,872,940	(2,779,543)	27,893,243
22b	A397	Communication Equipment Dkt 53601 disallowance (amortized)	WP/Sch B-1/1	(35,767,189)	(2,484,480)	0	(38,251,669)
22c	A397	Communication Equipment (depreciated)	WP/Sch B-1/1	42,233,358	7,136,947	(513,110)	48,857,195
22d	A397	Communication Equipment (routers)	WP/Sch B-1/1	41,548,504	0	(859,495)	40,689,009
23		Sub-Total		308,004,360	41,989,249	(141,628,612)	208,364,997
24		TOTAL	Schedule B	16,698,730,341	4,337,166,799	(675,698,052)	20,360,199,088

Not subject to update in DCRF.

A388	Land Owned in Fee	25,876,197
A389	Land and Land Rights	82,104
A390	Structures and Improvements	179,909,716
A391	Office Furniture and Equipment- excluding computer equipment	11,853,979
A392	Tools, Shop and Garage Equipment	12,716,429
A393	Stores Equipment	3,803,355
A394	Tools, Shop and Garage Equipment	28,551,509
A395	Laboratory Equipment	21,471,308
A396	Power Operated Equipment	8,557,216
A398	Miscellaneous Equipment	6,947,719
	Subtotal	299,769,532
	Total Plant	16,998,499,873

\* Docket No. 53601 DCRF baseline approved in Compliance Docket No. 54817 (Docket No. 53601 - 2022 rate case proceeding).

Schedule B-5: Distribution Accumulated Depreciation  
Sponsor: W. Alan Ledbetter

Distribution Accumulated Depreciation Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024							
Line No.	Account No.	Description	Reference Schedule Worksheet	Balance in Docket No. 53601* (1)	Depreciation Expense/ Adjustments since Docket No. 53601 (2)	Retirements since Docket No. 53601 (3)	Balance at 06/30/2024 (4) = (1) + (2) + (3)
<b>Accumulated Depreciation</b>							
<b>Distribution Intangible Plant</b>							
1a	A303	Intangible Plant - 3 Year Life	WP/Sched B-5/1	94,990	1,514,901	0	1,609,890
1b	A303	Intangible Plant - 5 Year Life	WP/Sched B-5/1	4,056,315	19,845,439	(6,255,768)	17,645,986
1c	A303	Intangible Plant - 8 Year Life	WP/Sched B-5/1	71,612,442	61,282,255	(59,123,233)	73,771,464
1d	A303	Intangible Plant - 15 Year Life	WP/Sched B-5/1	193,556,545	67,305,333	(39,977,602)	160,884,276
1e	A303	Intangible Plant - AMS 7 Year Life	WP/Sched B-5/1	144,110,138	2,057,679	(65,154,418)	81,013,398
1f	A303	<b>Subtotal Intangible Plant</b>		<b>353,430,430</b>	<b>152,005,605</b>	<b>(170,511,021)</b>	<b>334,925,014</b>
<b>Transmission Plant</b>							
2	A352	Structures and Improvements	WP/Sched B-5/1	0	0	0	0
3a	A353	Station Equipment	WP/Sched B-5/1	75,028,805	23,416,111	(12,778,225)	85,666,690
3b	A353	Station Equipment - DC Tie	WP/Sched B-5/1	0	9,894,041	0	9,894,041
3c	A353	Station Equipment - SVC	WP/Sched B-5/1	22,141,672	5,108,102	0	27,249,775
4		<b>Sub-Total</b>		<b>97,170,477</b>	<b>38,418,254</b>	<b>(12,778,225)</b>	<b>122,810,506</b>
<b>Distribution Plant</b>							
5a	A360	Land and Land Rights (substation)	WP/Sched B-5/1	928,018	65,690	0	993,708
5b	A360	Land and Land Rights	WP/Sched B-5/1	8,767,327	1,041,730	(1,019,890)	8,789,147
6	A361	Structures and Improvements	WP/Sched B-5/1	41,745,978	6,522,825	(506,480)	47,762,323
7	A362	Station Equipment	WP/Sched B-5/1	463,683,929	68,782,137	(41,184,357)	491,281,709
8	A363	Storage Battery Equipment	WP/Sched B-5/1	0	0	0	0
9	A364	Poles, Towers & Fixtures	WP/Sched B-5/1	1,107,719,584	148,793,415	(64,038,656)	1,192,474,343
10	A365	O.H. Conductors & Devices	WP/Sched B-5/1	635,328,009	93,330,396	(45,798,752)	682,859,654
11	A366	Underground Conduits	WP/Sched B-5/1	452,193,524	72,753,893	(2,725,039)	522,222,378
12	A367	U.G. Conductors & Devices	WP/Sched B-5/1	578,041,306	137,920,761	(40,741,893)	675,220,174
13	A368	Line Transformers	WP/Sched B-5/1	743,686,994	116,166,104	(76,117,777)	783,735,321
14	A369	Services	WP/Sched B-5/1	1,097,314,113	113,873,675	(13,983,763)	1,197,204,025
15a	A370	Meters	WP/Sched B-5/1	25,049,430	27,531,268	(10,522,319)	42,058,359
15b	A370	Meters (IDR)	WP/Sched B-5/1	89,799,408	16,180,697	(7,077,834)	98,902,271
15c	A370	Meters (AMR/AMS)	WP/Sched B-5/1	221,391,040	(2,340,211)	(55,077,029)	163,973,800
16	A371	Install. on Customer Prem	WP/Sched B-5/1	75,069,053	1,906,976	(1,018,607)	75,957,422
17	A372	Leased Prop. on Cust. Premises	WP/Sched B-5/1	0	0	0	0
18	A373	Street Lights	WP/Sched B-5/1	372,032,657	46,791,046	(22,299,699)	396,524,004
19	A374	Land Owned in Fee	WP/Sched B-5/1	0	0	0	0
20		<b>Sub-Total</b>		<b>5,912,750,349</b>	<b>849,320,384</b>	<b>(382,112,095)</b>	<b>6,379,958,638</b>
<b>General Plant</b>							
21a	A391	Office furniture and equipment - computer equipment	WP/Sched B-5/1	107,929,875	38,198,431	(121,306,377)	24,821,929
21b	A391	Office furniture and equipment - computer equipment (AMS)	WP/Sched B-5/1	12,803,166	3,366,321	(16,170,086)	0
22a	A397	Communication Equipment (amortized)	WP/Sched B-5/1	4,370,243	9,000,438	(2,956,213)	10,414,468
22b	A397	Communication Equipment Dkt 53601 disallowance (amortized)	WP/Sched B-5/1	0	(2,944,826)	0	(2,944,826)
22c	A397	Communication Equipment (depreciated)	WP/Sched B-5/1	4,018,003	7,580,512	(698,349)	10,900,166
22d	A397	Communication Equipment (routers)	WP/Sched B-5/1	41,548,504	1,201,322	(859,495)	41,890,332
23		<b>Sub-Total</b>		<b>170,669,791</b>	<b>56,402,798</b>	<b>(141,990,522)</b>	<b>85,082,068</b>
24		<b>TOTAL</b>	<b>Schedule B</b>	<b>\$6,534,021,048</b>	<b>\$1,096,147,041</b>	<b>(\$707,391,863)</b>	<b>\$6,922,776,225</b>

Balance shown as credit on DCRF Sch B

Not subject to update in DCRF:

A388	Land Owned in Fee	13,719
A389	Land and Land Rights	15,143,311
A390	Structures and Improvements	783,998
A391	Office Furniture and Equipment- excluding computer equipment	2,889,835
A392	Tools, Shop and Garage Equipment	756,988
A393	Stores Equipment	11,021,309
A394	Tools, Shop and Garage Equipment	3,404,154
A395	Laboratory Equipment	2,662,611
A396	Power Operated Equipment	681,340
A398	Miscellaneous Equipment	37,357,264
	<b>Subtotal</b>	<b>56,571,378,312</b>
	<b>Total accumulated depreciation</b>	

\* Docket No. 53601 DCRF baseline approved in Compliance Docket No. 54817 (Docket No. 53601 - 2022 rate case proceeding)

Note for Column (2): Docket No. 53601 D&amp;A rates were effective May 1, 2023 with Docket No. 53601 base rates. (Docket No. 46957 D&amp;A rates were effective during 2022 pending the outcome of Docket No. 53601.)

Note 1. See WP/Schedule B-5/2 for proforma retirements consistent with depreciation and amortization rates approved in the Docket No. 53601 order on rehearing

**Schedule B-7: DIC-Related Accumulated Deferred Federal Income Taxes (ADFIT)**  
**Sponsor: Bonnie L. Clutter and W. Alan Ledbetter**

Schedule B-7  
Page 1 of 2

Distribution Accumulated Deferred Federal Income Taxes Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024							
Line No.	Account No.	Description	Gross Incremental Distribution Investment since Docket No. S3601 (1)	Accumulated Depreciation since Docket No. S3601 (2)	Net Plant Additions since Docket No. S3601 (3) = (1) - (2)	Change in ADFIT since Docket No. S3601 (5)	Reference Schedule
1		<b>Incremental Distribution Plant in Service</b> Note: This line is intended to represent the increase in total distribution plant, not just the DIC (see related worksheet).	3,753,462,877	409,837,618	3,343,625,259	(97,980,062)	Sched E-3.10, Column 3
			(3)	(2)	(3) = (1) - (2)	(5)	
<b>Distribution Intangible Plant</b>							
2a	A303	Intangible Plant - 3 Year Life	5,137,331	1,514,901	3,622,430	(108,150)	B-1 Column 2&3, B-5 Column 2&3
2b	A303	Intangible Plant - 5 Year Life	47,881,512	13,589,670	33,791,841	(990,221)	B-1 Column 2&3, B-5 Column 2&3
2c	A303	Intangible Plant - 8 Year Life	37,714,077	2,159,022	35,555,055	(1,041,889)	B-1 Column 2&3, B-5 Column 2&3
2d	A303	Intangible Plant - 15 Year Life	88,345,950	27,327,730	61,018,220	(1,788,050)	B-1 Column 2&3, B-5 Column 2&3
2e	A303	Intangible Plant - AMS 7 Year Life	(65,154,418)	(63,096,740)	(2,057,679)	60,297	B-1 Column 2&3, B-5 Column 2&3
2f	A303	Subtotal Intangible Plant	113,424,452	(18,505,410)	131,929,868	(3,866,032)	B-1 Column 2&3, B-5 Column 2&3
<b>Transmission Plant</b>							
3	A352	Structures and improvements	-	-	-	-	B-1 Column 2&3, B-5 Column 2&3
4a	A353	Station Equipment	66,246,749	10,637,886	55,610,363	(1,629,581)	B-1 Column 2&3, B-5 Column 2&3
4b	A353	Station Equipment - DC Tie	11,956,720	9,894,041	2,062,679	(60,444)	B-1 Column 2&3, B-5 Column 2&3
4c	A353	Station Equipment - SVC	2,293,387	5,106,302	(2,814,716)	82,481	B-1 Column 2&3, B-5 Column 2&3
5		Sub-Total	80,498,356	25,640,229	54,858,327	(1,607,543)	
<b>Distribution Plant</b>							
6	A360	Land and Land Rights (substation)	1,053,640	65,690	987,950	(29,243)	B-1 Column 2&3, B-5 Column 2&3
7	A360	Land and Land Rights	(92,043)	21,820	(114,663)	3,360	
8	A361	Structures and improvements	84,525,888	6,016,345	78,509,553	(2,300,608)	B-1 Column 2&3, B-5 Column 2&3
9	A362	Station Equipment	508,155,301	27,597,780	480,557,521	(14,082,037)	B-1 Column 2&3, B-5 Column 2&3
10	A363	Storage Battery Equipment	-	-	-	-	B-1 Column 2&3, B-5 Column 2&3
11	A364	Poles, Towers & Fixtures	655,180,887	84,754,739	570,406,129	(16,714,920)	B-1 Column 2&3, B-5 Column 2&3
12	A365	O.H. Conductors & Devices	437,541,029	47,531,645	390,009,384	(11,426,656)	B-1 Column 2&3, B-5 Column 2&3
13	A366	Underground Conduits	388,795,309	70,028,854	318,766,455	(9,340,860)	B-1 Column 2&3, B-5 Column 2&3
14	A367	U.G. Conductors & Devices	506,994,859	97,176,868	409,815,990	(12,009,060)	B-1 Column 2&3, B-5 Column 2&3
15	A368	Line Transformers	588,550,219	40,048,327	548,501,892	(16,073,048)	B-1 Column 2&3, B-5 Column 2&3
16	A369	Services	253,832,955	99,889,912	153,943,043	(4,511,076)	B-1 Column 2&3, B-5 Column 2&3
17a	A370	Meters	66,545,992	17,008,949	49,537,043	(1,451,611)	B-1 Column 2&3, B-5 Column 2&3
17b	A370	Meters (DDR)	28,790,551	9,102,863	19,687,688	(576,919)	B-1 Column 2&3, B-5 Column 2&3
17c	A370	Meters (AMR/AMS)	(55,077,029)	(57,417,240)	2,340,211	(68,576)	
18	A371	Install on Customer Prem	1,616,442	886,369	728,074	(21,335)	B-1 Column 2&3, B-5 Column 2&3
19	A372	Leased Prop. on Cust. Premises	-	-	-	-	B-1 Column 2&3, B-5 Column 2&3
20	A373	Street Lights	84,505,013	24,491,347	60,013,666	(1,736,613)	B-1 Column 2&3, B-5 Column 2&3
21	A374	Land Owned in Fee	16,277,078	-	16,277,078	(476,576)	B-1 Column 2&3, B-5 Column 2&3
22		Sub-Total	3,567,185,302	467,208,289	3,099,977,014	(90,840,306)	
<b>General Plant</b>							
23a	A391	Office furniture and equipment - computer equipment	(89,842,536)	(83,107,946)	(6,734,590)	187,347	B-1 Column 2&3, B-5 Column 2&3
23b	A391	Office furniture and equipment - computer equipment (AMS)	(16,170,086)	(12,808,166)	(3,366,921)	98,663	B-1 Column 2&3, B-5 Column 2&3
24a	A397	Communication Equipment (amortized)	3,093,397	6,044,225	(2,950,828)	86,470	B-1 Column 2&3, B-5 Column 2&3
24b	A397	Communication Equipment Dkt S3601, disallowance (amortized)	(2,684,480)	(2,344,826)	460,347	(13,490)	B-1 Column 2&3, B-5 Column 2&3
24c	A397	Communication Equipment (depreciated)	6,623,837	6,882,152	(258,325)	7,570	B-1 Column 2&3, B-5 Column 2&3
24d	A397	Communication Equipment (routers)	(859,485)	341,827	(1,201,322)	35,205	B-1 Column 2&3, B-5 Column 2&3
25		Sub-Total	(99,639,363)	(85,587,724)	(14,051,639)	411,763	
26		<b>TOTAL ADFIT Allocated to DIC</b>				97.88%	Schedule E-3.10

Plant Totals for DCRF	3,661,466,747	388,755,176	3,272,713,569	2,077,964
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**Calculation of Increase in Total Distribution Plant**

Per PP&E Worksheet, WP/Sch E-3.7/3	Gross Plant 20,751,962,750	Accum Depr 6,981,215,330	Net Plant 13,770,746,820	NP DCRF Sch B 13,699,835,130	DIST NP not in DCRF 70,911,690
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S3601 Direct Distribution Accounts	16,698,730,341	6,534,021,046	10,164,709,293		WP/Schedule A/1, Page 2
S3601 General Plant Distr Accounts	289,768,532	87,357,264	202,412,268		WP/Schedule A/1, Page 2
S3601 Distribution Plant	16,998,499,873	6,571,378,312	10,427,121,561		Sch B net plant - baseline

Net Plant Increase (Total Distr)	3,753,462,877	409,837,618	3,343,625,259
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Distribution Accumulated Deferred Federal Income Taxes Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024			This worksheet shows, consistent with the Schedule B-7 DCFP-85F instructions, the percentage of net plant additions for each FERC account relative to the total net distribution plant in service from Docket No. S3601					Schedule B-7 Page 2 of 2	
Line No.	Account No.	Description	Gross Distribution Investment from Docket No. S3601 (1)	Accumulated Depreciation from Docket No. S3601 (2)	Net Plant Balances from Docket No. S3601 (3) = (1) - (2)	Net Plant Additions since Docket No. S3601 (4)	Percentage Change since Docket No. S3601 (5) = (4) / (3)	Reference Schedule	
1		Total Net Distribution Plant	16,698,730,341	6,534,021,048	10,164,709,293	3,272,713,569	32.20%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
		Distribution Intangible Plant							
2a	A303	Intangible Plant - 3 Year Life	214,682	94,990	119,692	3,622,430	3026.46%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
2b	A303	Intangible Plant - 5 Year Life	18,575,398	4,056,315	14,519,082	33,791,841	232.74%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
2c	A303	Intangible Plant - 8 Year Life	171,777,634	71,612,442	101,165,191	35,555,055	35.15%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
2d	A303	Intangible Plant - 15 Year Life	481,300,731	133,556,545	347,752,186	61,018,220	17.55%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
2e	A303	Intangible Plant - AMS 7 Year Life	146,167,816	144,110,138	2,057,679	(2,057,679)	-100.00%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
2e	A303	Subtotal Intangible Plant	819,044,261	353,430,430	465,613,830	131,928,868	28.33%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
		Transmission Plant							
3	A352	Structures and improvements	-	-	-	-	N/A	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
4a	A353	Station Equipment	330,462,584	75,028,805	255,433,779	55,610,368	21.77%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
4b	A353	Station Equipment - DC Tie	-	-	-	2,002,679	NDIV/OI	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
4c	A353	Station Equipment - SVC	51,398,007	22,143,672	29,256,335	(2,814,716)	-9.62%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
5		Sub-Total	381,860,591	97,170,477	284,690,114	54,858,327	19.27%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
		Distribution Plant							
6	A360	Land and Land Rights (substation)	4,537,807	928,026	3,609,781	997,950	27.65%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
7	A360	Land and Land Rights	18,508,221	8,767,327	9,740,894	(114,663)	-1.18%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
8	A361	Structures and Improvements	137,062,053	41,745,978	95,316,075	78,509,553	82.87%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
9	A362	Station Equipment	1,757,053,889	463,683,929	1,293,369,954	480,537,621	37.16%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
10	A363	Storage Battery Equipment	-	-	-	-	N/A	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
11	A364	Poles, Towers & Fixtures	2,678,358,261	1,107,719,584	1,570,638,677	570,406,129	36.32%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
12	A365	O.H. Conductors & Devices	1,075,410,858	635,328,009	1,040,082,849	390,009,384	37.50%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
13	A366	Underground Conduits	1,082,118,478	452,193,524	629,924,954	318,766,455	50.60%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
14	A367	U.G. Conductors & Devices	2,559,927,528	578,041,306	1,975,886,222	409,815,990	20.74%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
15	A368	Line Transformers	2,493,077,762	743,686,894	1,749,390,868	548,501,692	31.35%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
16	A369	Services	1,652,238,990	1,097,314,113	554,924,877	153,943,043	27.74%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
17a	A370	Meters	109,955,073	25,049,410	174,905,664	49,537,043	28.32%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
17b	A370	Meters (IDR)	162,896,844	89,799,408	73,197,436	19,687,608	26.90%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
17c	A370	Meters (AMR/AMS)	211,195,565	221,391,040	(10,195,474)	2,340,211	-22.95%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
18	A371	Install. on Customer Prem	54,631,097	75,069,053	(20,437,956)	728,074	-3.56%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
19	A372	Leased Prop. on Cust. Premises	-	-	-	-	N/A	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
20	A373	Street Lights	437,408,826	372,032,657	65,376,169	60,013,666	91.80%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
21	A374	Land Owned in Fee	71,344,821	-	71,344,821	16,277,078	22.81%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
22		Sub-Total	15,189,821,069	5,012,750,349	9,277,070,720	3,090,977,014	33.42%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
		General Plant							
23a	A391	Office furniture and equipment - computer equipment	219,015,754	107,929,875	111,085,879	(6,734,590)	-6.06%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
23b	A391	Office furniture and equipment - computer equipment (AMS)	16,170,086	12,803,166	3,366,921	(3,266,921)	-100.00%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
24a	A397	Communication Equipment (amortized)	24,799,846	4,370,243	20,429,603	(2,950,628)	-14.44%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
24b	A397	Communication Equipment Dkt S3601 disallowance (amortized)	(35,767,189)	-	(35,767,189)	460,347	-1.29%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
24c	A397	Communication Equipment (depreciated)	42,238,358	4,018,003	38,220,355	(258,325)	-0.68%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
24d	A397	Communication Equipment (routers)	41,548,504	41,548,504	-	(1,201,322)	N/A	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	
		Sub-Total	508,004,360	170,069,791	337,934,569	(14,051,639)	-10.23%	B-1 Col 1, B-5 Col 1, B-7 Page 1 Col 3	

\* Docket No. 53603 DCOR baseline approved in Compliance Docket No. 53601 - 2022 rate case proceeding).

Note 1: Accounts with AMS assets have a specific annual amortization schedule, as approved in the Docket No. 53601 rate case. See WP/Schedule E-7/1.

Note 2: Proforma AR-15 retirements at \$1.39 per unit for computer equipment and communication equipment were recognized for RDA expense and therefore reduced the RDA expense approved in Docket No. 53601. These proforma retirements were not recognized in Docket No. 53601. The proforma retirements processed on the books in Q2 2023). See WP/Schedule B-3/2 for the proforma accumulated depreciation reserve). Reference General Plant reserve imbalance approved in Docket No. 53601. See WP/Schedule E-7/3.

Note 3: Amortisation of reserve imbalance approved in Docket No. 53601 under an abating. Finding of Fact No. 219 – the actualised depreciation increase includes recovery of the General Plant reserve imbalance of \$12.5 million per year based on an eight-year recovery period. See WP/Schedule C-1/3.

**Schedule E-2: Distribution Taxes Other Than Federal Income Taxes**  
**Sponsor: Bonnie L. Clutter**

Distribution Taxes Other Than Federal Income Taxes Oncor Electric Delivery Company LLC Change in Other Taxes Update Period 01/01/2022 - 06/30/2024								
Line No.	FERC Account	Account Description	Schedule / Worksheet Reference	Total Approved per Docket 53601* (1)	Exclusions for DCRF (2)	Total per Docket 53601 with DCRF Exclusions* (3) = (1) + (2)	Annual Increase at 06/30/2024 (4)	Total Other Taxes (5) = (1) + (4)
Taxes Other Than Income Taxes:								
1	408.2602	Ad Valorem Taxes	WP/Sched E-2/1	\$ 140,471,714	\$ (3,535,156)	\$ 136,936,558	44,089,223	\$ 184,560,937
2	408.1X, 408.2X	Payroll Taxes		13,351,589	(13,351,589)	-	-	13,351,589
3	409.11, 409.21	State Gross Margin (Franchise) Tax	WP/Sched E-2/2	22,048,617	(15,688,317)	6,360,300	2,414,156	24,462,773
4	408.2415	Other - Franchise Fees		283,082,877	(283,082,877)	-	-	283,082,877
5	Total Taxes Other Than FIT Taxes			\$ 458,954,797	\$ (315,657,939)	\$ 143,296,858	46,503,379	\$ 505,458,175

\* Docket No. 53601 DCRF baseline approved in Compliance Docket No. 54817 (Docket No. 53601 - 2022 rate case proceeding).

Restated Amounts		Exclusions	
Ad Valorem Taxes	\$ 140,471,714	\$ 3,535,156	Schedule A, Rev Req & DISTREV
State Gross Margin Tax	22,048,617	15,688,317	Times 70%
Subtotal	\$ 162,520,331	\$ 19,223,473	Times 0.75%
			TGMT
			24,462,773

Schedule E-3: Distribution Federal Income Taxes  
Sponsor: Bonnie L. Clutter

Distribution Federal Income Taxes Onco Electric Delivery Company LLC Change in Federal Taxes Update Period 01/01/2022 - 06/30/2024							
Line No.	Account Description	Reference Schedule	Amount per Docket 53601* (1)	Exclusions for DCRF (2)	Amount per 53601 with Exclusions* (3) = (1) - (2)	Interim Annual Change (4)	Total Federal Income Taxes (5) = (1) + (4)
1	Federal Income Taxes						
2	Return on Rate Base	Schedule 8	\$ 641,314,733	(\$87,781,292)	\$ 553,533,441	\$ 211,257,963	\$ 852,572,696
3							
4							
5	Deductions:						
6	Synchronized Interest	WP/Sched E-3	243,410,284	(33,317,290)	210,092,993	80,214,490	323,624,774
7	ITC Amortization	Docket 53601	191,148		191,148		191,148
8	Amortization of Protected Excess DFIT	Docket 53601	7,583,060		7,583,060		7,583,060
9	Amortization of Non-protected Excess DFIT	Docket 53601	22,936,199		22,936,199		22,936,199
10	Amortization of Reserved Non Rateable Net Excess	Docket 53601	(1,782,607)		(1,782,607)		(1,782,607)
11	Depletion	Docket 53601	-		-		-
12	Other	Docket 53601	361,612		361,612		361,612
13							
14	Subtotal		272,699,696	(33,317,290)	239,382,406	80,214,490	352,914,186
15	Additions:						
16	Depreciation Adjustment	Docket 53601	150,259		150,259		150,259
17	Other Permanent Additions	Docket 53601	(1,111,779)		(1,111,779)		(1,111,779)
18							
19	Subtotal		(961,520)	0	(961,520)	0	(961,520)
20							
21	Taxable Component of Return		367,653,517	(54,464,002)	313,189,515	131,043,473	498,656,990
22	Incremental Tax Factor (1/1 - .21)(.21)		26,582,278%	26,582,278%	26,582,278%	26,582,278%	132,565,023
23	Federal Income Taxes Before Adjust.		97,730,682	(14,477,773)	83,252,909	34,834,341	132,565,023
24							
25	Tax Credits-Deduct	Docket 53601	191,148		191,148		191,148
26	ITC Amortization	Docket 53601	7,583,060		7,583,060		7,583,060
27	Amortization of Protected Excess ADFT	Docket 53601	22,936,199		22,936,199		22,936,199
28	Amortization of Non-protected Excess ADFT	Docket 53601	(1,782,607)		(1,782,607)		(1,782,607)
29	Amortization of Excess ADFT Reserve	Docket 53601	269,284		269,284		269,284
30	R&D Tax Credit	Docket 53601	150,259		150,259		150,259
31	Add: Depreciation Differences						
32							
33	TOTAL FEDERAL INCOME TAXES	Schedule A	68,683,857	(14,477,773)	54,206,084	34,834,341	103,518,198

\* Docket No. 53601 DCRF baseline approved in Compliance Docket No. 54817 [Docket No. 53601 - 2022 rate case proceeding]

**Schedule E-3.7: Summary of Plant-Related Accumulated Deferred Federal Income Tax (ADFIT) Balances**  
**Sponsor: Bonnie L. Clutter**

Summary of ADFIT Balances Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024							
Line No.	Account Number	Description	Reference Schedule Worksheet	Company Total at period end (1)	Funct. Factor Name	Distribution Funct. Factor (2)	Distribution Total at period end (3) = (1) * (2)
1	282	Plant-Related (Net Plant Functionalization)	WP/Sched E-3.7/1	(2,385,511,492)	PLANT	54.883232%	(1,309,245,813)
2	282	Intangible Plant-Related (Intangible Func)	WP/Sched E-3.7/1	(155,969,123)	INTANG	75.528001%	(117,800,361)
3	254	Protected Excess ADFIT - Plant Related	WP/Sched E-3.7/2	(878,148,810)	DIRECT	53.458588%	(469,445,957)
4	254	Unprotected Excess ADFIT - Plant Related	WP/Sched E-3.7/2	(80,977,008)	DIRECT	52.343355%	(42,386,083)
		<b>Total Distribution Plant-related ADFIT</b>	Schedule E-3.10	(3,500,606,433)	N/A	N/A	(1,938,878,214)



**Schedule E-3.10: Distribution Plant Accumulated Deferred Federal Income Tax (ADFIT) Changes**

Sponsor: Bonnie L. Clutter

Distribution Plant ADFIT Changes Oncor Electric Delivery Company LLC Update Period 01/01/2022 - 06/30/2024						
Line No.	Description	Reference Schedule Worksheet	Distribution Total In Docket No. 53601* (1)	Distribution Total at period end (2)	Change in ADFIT (3) = (2) - (1)	Reference Schedule
1	Total Distribution Plant-related ADFIT & Excess	Schedule B-7	(1,840,898,152)	(1,938,878,214)	(97,980,062)	E-3.7, Column 3
2	Less Allocation per Schedule B-7	Schedule B-7	0	2,077,964	2,077,964	B-7, Column 5
3	Total DCRF Plant-Related ADFIT & Excess	Schedule B	(1,840,898,152)	(1,936,800,250)	(95,902,098)	B, Line 10b

97.88% B-7, L 26, Col 4

Accumulated Deferred FIT (ADFIT) - Plant Related	(1,260,470,111)	(1,427,046,174)	(166,576,063)
Protected Excess ADFIT - Plant Related	(491,578,167)	(469,445,957)	22,132,210
Unprotected Excess ADFIT - Plant Related	(88,849,874)	(42,386,083)	46,463,791
Total Distribution Plant-related ADFIT & Excess	(1,840,898,152)	(1,938,878,214)	(97,980,062)

Accumulated Deferred FIT (ADFIT) - Plant Related	(1,260,470,111)	(1,423,513,425)	(163,043,314)
Protected Excess ADFIT - Plant Related	(491,578,167)	(469,915,337)	21,662,830
Unprotected Excess ADFIT - Plant Related	(88,849,874)	(43,371,488)	45,478,386
Total DCRF Plant-Related ADFIT & Excess	(1,840,898,152)	(1,936,800,250)	(95,902,098)

Schedule H: Summary of Historic Year Billing Determinants  
Sponsor: Janice L. Fennell

Summary of Historic Year Billing Determinants  
Onor Electric Delivery Company LLC  
Update Period 01/01/2022 - 06/30/2024

LINE	DESCRIPTION	VOLT	Billing Unit Type [1]	Reference Schedule Worksheet	Billing units approved in Decret No. 53601 [2]	12 Months ending 06/30/2024 Unadjusted Billing Units at Meter [3]	Weather Adjustment [4]	Adjusted Billing Units at Meter [5] = [3] + [4]	12 Months ending 06/30/2024 YE Customer Adjustment [6]	Adjusted Billing Units [7] = [5] + [6]	Change in Billing Units [8] = [7] - [2]	Percent Change [9] = [8] / [2]
1	Residential	Sec	kWh	WP/Schedule H	46,057,335,770	48,406,519,516	(2,623,254,298)	45,783,265,218	516,361,585	46,299,626,804	247,290,034	0.53%
2	Secondary 10 kW and Below	Sec	kWh	WP/Schedule H	1,879,492,852	1,658,908,905	12,492,885	1,671,395,791	(26,513,144)	1,644,883,647	(234,609,205)	-12.46%
3	Secondary Greater than 10 kW	Sec	kW	WP/Schedule H	154,745,084	163,971,704	(6,454,692)	157,417,012	3,874,805	161,291,818	6,542,834	4.23%
4	Primary 10 kW and Below	Primary	kWh	WP/Schedule H	27,825,268	26,970,961	-	26,970,961	(215,728)	26,755,233	(1,070,035)	-3.85%
5	Primary Greater than 10 kW	Primary	kW	WP/Schedule H	39,469,464	45,013,200	(267,402)	44,745,798	1,563,140	46,308,938	6,839,474	17.33%
6	Substation	Primary	kW	WP/Schedule H	12,296,888	18,171,320	-	18,171,320	519,512	18,690,832	6,391,944	51.97%
7	Transmission	Trans	kW	WP/Schedule H	43,125,273	63,511,142	-	63,511,142	1,818,232	65,329,374	22,204,101	51.49%
8	Lighting	Sec	kWh	WP/Schedule H	379,880,205	361,380,664	-	361,380,664	(7,745,912)	353,634,752	(26,245,453)	-6.93%
9	Wholesale - Substation	Primary	kW	WP/Schedule H	1,579,356	1,674,063	-	1,674,063	115,670	1,789,733	213,377	13.51%
10	Wholesale - Distribution Line	Primary	kW	WP/Schedule H	1,821,139	1,848,605	-	1,848,605	81,415	1,930,020	109,081	5.99%
11												

Schedule J- Summary of DCRF  
Sponsor: Janice I. Fennell

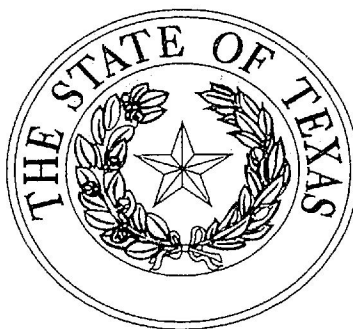
Oncor Electric Delivery Company LLC  
Update Period 01/01/2022 - 06/30/2024

Rate Class	(1) DIC <sub>CR</sub>	(2) ROR <sub>CR</sub>	(3) = (1) * (2) Return	(4) DEPR <sub>REG CLASS</sub>	(5) FIT <sub>REG CLASS</sub>	(6) OT <sub>REG CLASS</sub>	(7) = (3)+(4)+(5)+(6) DISTREV <sub>REG CLASS</sub>	(8) = Sch H col (9) % GROWTH <sub>CLASS</sub>	(9) = (7)*(8) DISTREV*GROWTH
Residential	4,646,371,272	6.65%	308,983,690	274,295,782	30,351,815	78,290,078	691,971,364	0.53%	3,639,894
Sec < 10 kW	174,412,228	6.65%	11,598,413	15,562,820	1,013,903	3,667,176	31,842,413	-12.48%	{3,974,755}
Sec > 10 kW	2,912,609,894	6.65%	193,688,558	165,112,390	19,086,723	48,147,625	426,035,296	4.23%	18,013,188
Pri < 10 kW	2,364,712	6.65%	157,253	286,717	8,913	48,033	500,917	-3.85%	{19,263}
Pri > 10 kW	462,170,874	6.65%	30,734,363	26,652,599	2,966,194	7,416,115	67,769,271	17.33%	11,743,413
Pri > 10 kW Sub	44,353,261	6.65%	2,949,492	1,595,111	294,750	645,077	5,484,429	51.97%	2,850,352
Transmission	10,268,836	6.65%	682,878	717,537	33,895	180,448	1,614,759	51.49%	831,398
Lighting	42,119,566	6.65%	2,800,951	25,452,613	254,689	4,453,130	32,961,382	-6.93%	{2,285,343}
Wh Subst	5,311,757	6.65%	353,232	190,433	35,270	77,167	656,102	13.51%	88,621
Wh DLS	23,828,741	6.65%	1,584,611	1,225,408	159,932	372,009	3,341,960	5.99%	200,174
Total	8,323,811,141	6.65%	553,533,441	511,091,510	54,206,084	143,296,858	1,262,127,882		31,087,719

Schedule J: Summary of DCRF  
Sponsor: Janice I. Fennell

Oncor Electric Delivery Company LLC  
Update Period 01/01/2022 - 06/30/2024

Rate Class	{10} TNETDISP L <sub>CLASS</sub>	{11}={10}/Σ{10} ALOC <sub>CLASS</sub>	{12} DCRF Rev Req Increase, Sch A	{13} DISTREV*GROWTH	{14}={12}-{13} DCRF Increase/ {Decrease}	{15}={11}*{14} DCRF Increase/ (Decrease) By Class	{16} Sch H, Col 7 B <sub>D,CLASS</sub>	{17}={15}/{16} DCRF Rates
Residential	5,673,965,021	55.8202%				210,809,276	46,299,626,804	0.004553
Sec < 10 kW	212,985,321	2.0953%				7,913,211	1,644,883,647	0.004811
Sec > 10 kW	3,556,764,126	34.9913%				132,147,249	161,291,818	0.819305
Pri < 10 kW	2,887,692	0.0284%				107,289	26,755,233	0.004010
Pri > 10 kW	564,384,811	5.5249%				20,969,032	46,308,938	0.452807
Pri > 10 kW Sub	54,162,450	0.5328%				2,012,340	18,690,832	0.107665
Transmission	12,639,897	0.1234%				465,905	65,329,374	0.007132
Lighting	51,434,750	0.5060%				1,910,996	353,634,752	0.005404
Wh Subst	6,486,508	0.0638%				240,998	1,792,683	0.134434
Wh DIS	29,098,717	0.2863%				1,081,127	1,930,220	0.560106
Total	10,164,709,293		408,745,142	31,087,719	377,657,423	377,657,423		



ELECTRIC INVESTOR-OWNED UTILITIES  
(Transmission & Distribution Service Providers in ERCOT)

EARNINGS REPORT

OF

**Oncor Electric Delivery Company LLC (including Oncor NTU)**

TO THE

PUBLIC UTILITY COMMISSION OF TEXAS

FOR THE

12 Months Ending December 31, 2023

Check one:

This is an original submission ☒ [X]  
This is a revised submission ☐ [ ]

Date of submission: March 1, 2024

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

General Questions  
Page 1 of 2

#### GENERAL QUESTIONS

If additional space is required, please attach pages providing the requested information.

1. State the exact name of the utility.  
Oncor Electric Delivery Company LLC ("Oncor"), including Oncor Electric Delivery Company NTU LLC ("Oncor NTU")  
Pursuant to the Order in Docket No. 48929, Ordering Paragraph No. 17, Oncor must consolidate the North Texas Utility (Oncor NTU) with Oncor for the purposes of calculation and reporting of its earnings-monitoring report and for the purposes of compliance with finding of fact 56 of the final order in Docket No. 47675
2. State the date when the utility was originally organized.  
November 16, 2001 - Oncor Electric Delivery Company LLC  
Originally June 28, 2006, as Sharyland Transmission Services, LP (name changed to Oncor Electric Delivery Company NTU LLC on May 16, 2019 upon acquisition by Oncor Electric Delivery Company LLC)
3. Report any change in name during the most recent year and state the effective date.

Not Applicable

4. State the name, title, phone number, email address, and office address of the officer of the utility to whom correspondence should be addressed concerning this report.

W. Alan Ledbetter  
Vice President and Controller  
(214) 486-3265 William.Ledbetter@oncor.com  
1616 Woodall Rodgers Freeway  
Dallas, Texas 75202

- 4a. State the name, title, phone number, email address, and office address of any other individual designated by the utility to answer questions regarding this report (optional).

Matthew Troxle  
Vice President - Regulatory  
(214) 486-5743 Matthew.Troxle@oncor.com  
1616 Woodall Rodgers Freeway  
Dallas, Texas 75202

5. State the location of the office where the Company's accounts and records are kept.

Oncor Electric Delivery Company LLC  
1616 Woodall Rodgers Freeway  
Dallas, Texas 75202

6. State the name, address, phone number, and email address of the individual or firm, if other than a utility employee, preparing this report.

Not applicable

**Oncor Electric Delivery Company LLC (including Oncor NTU)**  
**12 Months Ending December 31, 2023**

General Questions  
Page 2 of 2

7. Please indicate the filing status of the Company regarding federal income taxes, e.g., S-Corps, Corporations, Partnerships, Individuals, etc.

As of November 5, 2008, Oncor Electric Delivery Company LLC is a partnership for federal income tax purposes. As such, it is no longer eligible to file as part of a consolidated income tax return. Since May 16, 2019, Oncor NTU's taxable income has been included in Oncor NTU Partnership LP's partnership return.

8. Please provide:

a. The period-ending number of utility employees (total company): 4,834

- b. The period-ending number of Electric Points of Delivery:

Total Company: 3,969,242

Texas Jurisdictional: 3,969,242

9. Will the Company have a rate proceeding pending before this commission on the due date of this Earnings Monitoring Report?

Yes or No ==> No

10. IF THIS IS A REVISED REPORT, provide the schedule number, line number, and column designation where each change input data appears.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule I

## SUMMARY OF REVENUES AND EXPENSES

Line	(1) Total Company	(2) Non-Regulated or Non-Electric or Other Adjustments*	(3) Total Electric (1)+(2)	(4) Allocation Percentage (5)/(3)	(5) Tx Jurisdictional: Wholesale and Retail	(6) Wholesale Transmission Allocation Percentage**	(7) Wholesale Transmission***	(8) Retail T&D
1	\$4,523,673,210	\$0	\$4,523,673,210	100.00%	\$4,523,673,210	N/A	\$0	\$4,523,673,210
2	1,052,810,009	525,931,599	1,578,741,608	100.00%	\$1,588,741,608	N/A	\$1,545,432,430	\$43,309,178
3	\$5,586,483,219	\$525,931,599	\$6,112,414,818		\$6,112,414,818		\$1,545,432,430	\$4,566,982,388
4								
5								
6	\$5,586,483,219	\$525,931,599	\$6,112,414,818	100.00%	\$6,112,414,818		\$1,545,432,430	\$4,566,982,388
7								
8								
9								
10								
11	2,496,167,748	516,297,526	3,012,465,274	100.00%	3,012,465,274	7.33%	\$220,798,419	\$2,791,666,855
12	88,988,950	0	88,988,950	100.00%	88,988,950	25.35%	\$22,555,646	\$66,433,304
13	889,441,334	2,354,765	891,796,100	100.00%	\$891,796,100	43.18%	\$385,062,361	\$506,733,739
14	2,201	0	2,201	100.00%	\$2,201	0.00%	\$0	\$2,201
15	552,221,410	(195,498)	552,024,912	100.00%	\$552,024,912	21.94%	\$121,107,370	\$430,917,542
16	28,111,533	0	28,111,533	100.00%	\$28,111,533	17.79%	\$5,000,262	\$23,111,271
17	155,454,404	(10,188,034)	145,266,370	100.00%	145,266,370	58.76%	\$85,944,148	\$60,322,222
18	0	0	0	0.00%	\$0	0.00%	\$0	\$0
19	0	0	0	0.00%	\$0	0.00%	\$0	\$0
20	0	0	0	0.00%	0	0.00%	\$0	\$0
21	\$4,211,387,580	\$508,267,760	\$4,719,655,340	100.00%	\$4,719,655,340	17.81%	\$840,469,226	\$3,879,186,113
22	1,375,095,639	17,653,839	\$1,392,759,478	100.00%	\$1,392,759,478	50.62%	\$704,963,204	\$687,796,274
23								
24	25,107,995	(21,957,965)	3,150,030	100.00%	3,150,030			
25	78,693,249	0	78,693,249	100.00%	78,693,249			

\* Include supporting documentation for "other adjustments."

\*\* No inputs are made into the revenue (top) portion of this column; revenues for wholesale transmission are directly input into the top part of column 7. See Schedule I instructions for additional details on calculating the percentage inputs in the bottom portion of this column.

\*\*\* The revenues in this column should reflect the payments received from others for wholesale transmission service per the commission's wholesale transmission matrix. See instructions for additional details. Note 1: See instructions for details regarding the reporting of revenues. Additionally, note that column 8 of this line should correspond to Schedule X.1a, line 13, column 12.

Note 2: This amount will be carried automatically from Schedule II, line 12.

Note 3: Columns 1, 3, and 5 for this line will be carried automatically from Supplementary Schedule I-1: Amortization Expense, line 2.

Note 4: Columns 3, 5, 7, and 8 of this line will be carried automatically from Supplementary Schedule IV, line 41.

Note 5: This amount will be carried automatically from Schedule Ia, line 18, and includes only the NBP expenses included in the utility's T&amp;D revenue requirement (i.e., not collected through a separate rider).

Note 6: This amount will be carried automatically from Supplementary Schedule I-2: Other Expenses, line 22.

[X] Indicate here if footnote or comment relating to this schedule is included on Supplementary Schedule IV.



Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule Ia

SUMMARY OF OTHER NONBYPASSABLE CHARGES

Line		Texas Jurisdictional
1	<u>REVENUES RELATED TO NONBYPASSABLE CHARGES</u>	
2	Nuclear Decommissioning Expense	\$23,186,348
3	Competition Transition Charge (CTC)	\$0
4	Municipal Franchise Fees	\$0
5	System Benefit Fund	\$0
6	Rate Case Expense	\$3,775,250
7	Transmission Cost Recovery Factor (TCRF)	\$1,829,755,914
8	Energy Efficiency Cost Recovery Factor (EECRF)	\$76,171,601
9	Distribution Cost Recovery Factor (DCRF)	\$112,238,643
10	Mobile Generation Riders (MGR & WMGR - Docket Nos. 53601 & 54817)	\$752,037
11	Remand Surcharge (Docket Nos. 46884 & 46957)	\$1,301
12	Interest-rate Savings Refund (ISR & WISR - Docket Nos. 54735 & 55453)	(\$5,306,765)
13	Subtotal	\$2,040,574,329
14		
15	Transition Charges (related to securitized costs)	\$0
16	TOTAL NONBYPASSABLE CHARGES	\$2,040,574,329
17		
18		
19	Amounts related to above NBP charges to be reflected in Sched I revenue requirement	
20	(actual amounts of expenses incurred during monitoring period):	
21	Nuclear Decommissioning Charges	\$0
22	Municipal Franchise Fees	\$0
23	System Benefit Fund	\$0
24	Total (Note 1)	\$0
25		

Note 1: The amount on line 18 is carried automatically to Schedule I, line 19.

[X] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Schedule II

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

OPERATIONS AND MAINTENANCE EXPENSE

Line	(1) Total Company	(2) Non-Regulated or Other Adjustments*	(3) Total Electric (1)+(2)	(4) Allocation Percentage (5)/(3)	(5) Tx Jurisdictional: Wholesale and Retail	(6) Wholesale Transmission Allocation Percentage**	(7) Wholesale Transmission	(8) Retail T&D
1	95,457,998.00	\$2,925,878	98,383,776	100.00%	\$98,383,776	98.64%	\$97,044,169	\$1,339,607
2	28,875,277.00	\$2,537,245	31,412,523	100.00%	\$31,412,523	99.37%	\$31,215,346	\$197,177
3	197,531,824.00	\$130,378	197,662,202	100.00%	\$197,662,202	0.19%	\$319,665	\$167,342,537
4	180,894,580.00	\$209,943	180,894,580	100.00%	\$180,894,580	0.45%	\$806,318	\$180,088,262
5	24,025,353.00	\$0	24,025,353	100.00%	\$24,025,353	0.00%	\$0	\$24,025,353
6	56,011,535.00	\$0	56,011,535	100.00%	\$56,011,535	0.00%	\$0	\$56,011,535
7	Sales Expense	\$0	0	0.00%	\$0	0.00%	\$0	\$0
8	Wholesale transmission matrix payments to others	\$539,787,078	1,829,755,878	N/A	\$1,829,755,878	N/A	N/A	\$1,829,755,878
9	Admin. and General Operations Expenses	(\$28,341,732)	620,184,463	100.00%	\$620,184,463	14.43%	\$89,513,400	\$530,671,062
10	Admin. and General Maintenance Expenses	\$48,735	4,134,964	100.00%	\$4,134,964	45.94%	\$1,899,521	\$2,235,443
11								
12	\$2,496,167,748	\$516,297,526	\$3,012,465,274	100.00%	\$3,012,465,274	7.33%	\$220,798,419	\$2,791,666,855

\* Include supporting documentation for "other adjustments."

\*\* See instructions for Schedule II to calculate this column.

[X] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule III

INVESTED CAPITAL AT END OF REPORTING PERIOD

Line	(1) Total Company	(2) Non-Regulated or Non-Electric or Other Adjustments*	(3) Total Electric (1)+(2)	(4) Allocation Percentage (5)/(3)	(5) Tx Jurisdictional: Wholesale and Retail	(6) Wholesale Transmission Allocation Percentage**	(7) Wholesale Transmission	(8) Retail T&D
1	\$35,952,540,933	\$76,696,402	\$36,039,236,335	100.00%	\$36,039,236,335	44.45%	\$16,020,936,341	\$20,018,300,994
2	(\$9,301,295,885)	(\$1,526,134,162)	(\$10,827,430,047)	100.00%	(\$10,827,430,047)	35.25%	(\$5,926,390,599)	(\$5,901,039,446)
3								
4	26,661,345,048	(1,449,438,760)	25,211,906,288	100.00%	25,211,906,288	47.97%	\$12,094,545,742	\$13,117,360,546
5	\$1,338,844,210	(\$347,875)	1,338,496,335	100.00%	\$1,338,496,335	63.45%	\$849,209,651	\$489,286,684
6	\$56,452,431	\$0	\$56,452,431	100.00%	\$56,452,431	90.86%	\$51,293,730	\$5,158,701
7	(\$68,980,959)	\$0	(\$68,980,959)	100.00%	(\$68,980,959)	81.30%	(\$58,082,273)	(\$12,898,686)
8	\$341,196,353	\$0	\$341,196,353	100.00%	\$341,196,353	57.40%	\$195,664,564	\$145,531,789
9	\$101,878,275	\$0	\$101,878,275	100.00%	\$101,878,275	6.64%	\$6,785,585	\$95,112,690
10	403,733,077	(107,175,530)	296,557,547	100.00%	296,557,547	11.31%	\$33,547,855	\$263,009,692
11	(\$3,602,544,656)	\$0	(\$3,602,544,656)	100.00%	(\$3,602,544,656)	45.17%	(\$1,663,304,210)	(\$1,939,240,446)
12	(\$129,709,172)	\$129,699,172	(\$10,000)	100.00%	(\$10,000)	0.00%	\$0	(\$10,000)
13	\$883,207,946	\$0	\$883,207,946	100.00%	\$883,207,946	5.12%	\$45,229,201	\$837,978,745
14	\$0	\$0	\$0	0.00%	\$0	0.00%	\$0	\$0
15	\$0	\$0	\$0	0.00%	\$0	0.00%	\$0	\$0
16	\$0	\$0	\$0	0.00%	\$0	0.00%	\$0	\$0
17	(1,598,010,556)	1,518,553,859	(79,456,697)	100.00%	(79,456,697)	18.59%	(\$14,773,415)	(\$64,683,282)
18								
19								
20	\$24,387,414,007	\$91,290,867	\$24,478,704,874	100.00%	\$24,478,704,874		\$11,542,286,820	\$12,936,418,054
21								
22			\$1,341,696,541		\$1,341,696,541	53.33%	\$849,680,332	\$492,016,209
23			\$0		\$0	0.00%	\$0	\$0
24								
25								
26			\$23,137,008,333		\$23,137,008,333		\$10,692,606,488	\$12,444,401,844
27								
28			\$1,392,759,478		\$1,392,759,478	6.02%	\$704,983,204	\$687,796,274
29			8.08%		8.08%		6.59%	5.53%
30							9.42%	6.92%
31								
32								
33								
34			\$1,345,962,151		\$1,345,962,151		\$704,983,204	\$640,983,946
35			5.82%		5.82%		6.59%	5.15%
36			7.60%		7.60%		9.42%	6.04%
37								
38								

\* Include supporting documentation for "other adjustments."

\*\* See instructions for Schedule III to calculate this column.

Note 1: This amount will be carried automatically from Supplementary Schedule III-1: Other Rate Base Additions, line 22.

Note 2: These items are typically DEDUCTIONS from invested capital and thus should normally be entered as NEGATIVE amounts.

Note 3: This amount will be carried automatically from Supplementary Schedule III-2: Other Rate Base Deductions, line 22.

Note 4: Include the appropriate amounts from lines 5 and 6 (only PHFU balances falling outside the 10-year construction window are excluded).  
[X] Indicate here if footnote or comment relating to this schedule is on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

## FEDERAL INCOME TAXES

Schedule IV  
Page 1 of 1

Line No.	(1) Total Electric	(2) Allocation Percentage (3)/(1)	(3) Texas Jurisdictional	(4) Wholesale Transmission	(5) Retail
1 TOTAL REVENUES (Note 1)	\$6,112,414,818	100.00%	\$6,112,414,818	\$1,545,432,430	\$4,566,982,388
2 LESS:					
3 Operations and Maintenance Expense	\$3,012,465,274	100.00%	\$3,012,465,274	\$220,798,418	\$2,791,666,855
4 Amortization Expense	\$88,988,950	100.00%	\$88,988,950	\$22,556,846	\$66,432,104
5 Depreciation Expense	\$891,796,100	100.00%	\$891,796,100	\$385,062,381	\$506,733,719
6 Interest on Customer Deposits	\$2,201	100.00%	\$2,201	\$0	\$2,201
7 Taxes Other Than Income Taxes	\$552,024,912	100.00%	\$552,024,912	\$121,107,370	\$430,917,542
8 State Income Taxes	\$28,111,533	100.00%	\$28,111,533	\$5,000,282	\$23,111,251
9 Deferred Expenses	\$0	0.00%	\$0	\$0	\$0
10 Other Expenses	\$0	0.00%	\$0	\$0	\$0
11 Nonbypassable charges (from Schedule I)	\$0	0.00%	\$0	\$0	\$0
12 Interest Included in Return (Note 2)	\$596,934,815	100.00%	\$596,934,815	\$275,869,247	\$321,065,568
13 ADD:					
14 Depreciation Addback - Permanent Differences	0	0.00%	0	0	0
15 Business Meals Not Deductible	3,590,799	100.00%	3,590,799	785,467	2,805,332
16 Other Permanent Differences	0	0.00%	0	0	0
17 LESS:					
18 Preferred Dividend Exclusion	0	0.00%	0	0	0
19 Other Permanent Differences (Attach Detail)	3,370,672	100.00%	3,370,672	806,424	2,564,248
20 Additional Tax Depreciation (Note 3)	278,776,594	100.00%	278,776,594	142,186,447	136,590,147
21 Other Timing Differences (Attach Detail)	343,671,162	100.00%	343,671,162	131,879,920	211,791,242
22					
23 OTHER:					
24 Other adj. not shown elsewhere (Notes 8 & 9)	0	0.00%	0	0	0
25					
26 TAXABLE INCOME	319,863,404		319,863,404	240,950,782	78,912,623
27 TAX RATE	21%		21%	21%	21%
28					
29 CURRENT FEDERAL INCOME TAXES (Note 4)	67,171,315	100.00%	67,171,315	50,599,664	16,571,651
30 ADD:					
31 Current Provision for Deferred Taxes (Note 5)	130,714,029	100.00%	130,714,029	57,553,937	73,160,092
32 Adjustment for Prior Flowthrough (Note 6)	246,773	100.00%	246,773	111,880	135,094
33 LESS:					
34 Amortization of Investment Tax Credits	527,172	100.00%	527,172	527,172	0
35 Amortization of Excess Deferred Taxes					
36 a. Protected (Note 7)	17,204,259	100.00%	17,204,259	8,921,195	8,283,064
37 b. Unprotected (Attach Detail)	34,054,194	100.00%	34,054,194	12,836,506	21,217,688
38 OTHER:					
39 Other adj. not shown elsewhere (Notes 8 & 9)	(80,122)	100.00%	(80,122)	(36,260)	(43,862)
40					
41 TOTAL FEDERAL INCOME TAXES	\$146,266,370	100.00%	\$146,266,370	\$85,944,148	\$60,322,222

Note 1: Lines 1 through 11 will be carried automatically from Schedule I.

Note 2: This amount will be calculated automatically by applying the weighted cost of debt to the total invested capital.

Note 3: Excess of tax depreciation over depreciation claimed on Schedule I adjusted to remove the effects of Line 14 for all plant reflected in Schedule III.

Note 4: This amount will be calculated automatically by applying the applicable statutory tax rate for the report period on line 27 to the taxable income found on Line 26.

Note 5: This amount will be calculated automatically by applying the applicable statutory tax rate for the report period on line 27 to the total of Lines 20 and 21.

Note 6: This amount will be derived by multiplying non-normalized timing differences times the applicable statutory tax rate for the report period on line 27.

Note 7: This amount may reflect the most recent year end balance

Note 8: Enter additions as positive amounts and deductions as negative amounts.

Note 9: Include detailed accounting of this line's components on Supplemental Schedule IV.

[X] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule V

Weighted Average Cost of Capital

Line	(a) Balance	(b) Percent of Total	(c) Cost	(d) Weighted Cost
1 Common Equity	\$ 9,878,177,056	42.60%	9.70% *	4.13%
2 Preferred Stock		0.00%	0.00%	0.00%
3 Long-Term Debt	13,312,440,832	57.40%	4.50%	2.58%
4 Short-Term Debt		0.00%	0.00%	0.00%
5				
6 Total	\$23,190,617,889	100.00%		6.71%

\*This return on equity was  
allowed in Docket No: 53601  
The final order was issued on: 6/30/2023

Notes: The costs and balances of preferred stock, long-term debt, and short-term debt  
should correspond with those provided on Schedules VI, VIa, VII, VIIa, and VIII.

[X] Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

(a) Adjustments to Equity:	
Membership interests (10-K \$14,207 million)	\$ 14,207,144,694
Excluding the effects of the 2007 merger (Docket No. 34077) and impacts of OCI	(3,652,913,727)
Regulated equity - compliance with Oncor's debt-to-equity ratio requirement (Docket No. 48929)	\$ 10,554,230,967
Less Docket No. 48929 equity contribution supporting Oncor NTU acquisition goodwill	(676,053,911)
Regulated equity	\$ 9,878,177,056

Docket No. 48929 Order, Ordering Paragraph No. 25: Oncor and the North Texas Utility (Oncor NTU) must not seek recovery of the goodwill recorded as an asset on Oncor's books as a result of the proposed transactions through Oncor's rates and must exclude that goodwill amount from Oncor's rate base.

\* Docket No. 46957 rates were in effect through April 2023. Allowed return on equity of 9.7% was approved in the Order on Rehearing in Docket No. 53601 on June 30, 2023. Docket No. 53601 rates were effective beginning May 1, 2023.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule Va

Weighted Average Cost of Capital

<u>Line</u>	(a) <u>Balance</u>	(b) <u>Percent of Total</u>
1 Common Equity	\$ 10,554,230,967	44.22%
2 Preferred Stock		0.00%
3 Long-Term Debt	13,312,440,832	55.78%
4 Short-Term Debt		0.00%
5		
6 Total	\$23,866,671,799	100.00%

Return on equity of 9.70% was  
allowed in Docket No: 53601  
The final order was issued on: 6/30/2023

Notes: The costs and balances of preferred stock, long-term debt, and short-term debt  
should correspond with those provided on Schedules VI, VIa, VII, VIIa, and VIII.

[X] Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

(a) Adjustments to Equity:	
Membership interests (10-K \$14,207 million)	\$ 14,207,144,694
Excluding the effects of the 2007 merger (Docket No. 34077) and impacts of OCI	<u>(3,652,913,727)</u>
Regulated equity - compliance with Oncor's debt-to-equity ratio requirement (Docket No. 48929)	\$ 10,554,230,967

Docket No. 48929 Order, Ordering Paragraph No. 18: The cash equity contributions invested by Oncor's owners used to directly finance the transactions contemplated by the asset exchange agreement dated October 18, 2018 must be included in the calculations reported in Oncor's earnings-monitoring report solely for purposes of determining compliance with Oncor's debt-to-equity ratio requirement as set by finding of fact 56 in the final order in Docket No. 47675.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule VI

Weighted Average Cost of Preferred Stock (Note 1)

Line	Description	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
			Issuance Date	Mandatory Redemption (Y/N)	Dividend Rate	Pay Value at Issuance	Premium or (Discount)	Underwriting Fees and Issuance Expenses	Gain or (Loss) on Redemption	Original Net Proceeds	Net Proceeds As % of Par	Par Value Currently Outstanding	Current Net Proceeds	Issue As % of Total Net Proceeds	Cost of Money	Weighted Average Cost
1	None									\$0	0.000%	\$0	\$0	\$0	0.000%	0.000%
Total																
Plus: Unamortized Premium (Discount)																
Less: Unamortized Fees and Issuance Expenses																
Plus: Unamort. Gains (Losses) on Redeemed Stock																
Net Balance of Preferred Stock																
\$0																

Note 1: Exclude pre-September 1989 long-term debt and preferred stock transaction costs if they are being amortized as a cost-of-service item per the final order in the company's unbundled cost-of-service docket.  
[1] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule VIa

Adjusted Cost of Preferred Stock

LINE		
1	Balance of Unamortized Gains (Losses) on	\$0
2	Redeemed Stock (Sched.VI)	
3	- Balance Related to Gains (Losses) Identified	\$0
4	in Col.(h) of Schedule VI	
5		
6	Net Balance of Unamortized Gains (Losses) Not	\$0
7	Accounted for in Col.(h) of Schedule VI	
8		
9		
10	Annual Amortization of Gains (Losses) on	\$0
11	Redeemed Stock	
12	- Annual Amortization Related to Gains (Losses)	\$0
13	Identified in Col.(h) of Schedule VI	
14		
15	Net Annual Amortization of Gains (Losses) Not	\$0
16	Accounted for in Col.(h) of Schedule VI	
17		
18		
19	Net Balance of Preferred Stock (Sched.VI)	\$0
20	- Net Balance of Unamortized Gains (Losses) from Line 6	\$0
21		
22	Preferred Stock Balance Excluding Net Gains (Losses)	\$0
23		
24	x Weighted Average Cost of Preferred Stock (Sched.VI)	0.00%
25		
26	Annual Preferred Stock Requirement	\$0
27		
28	- Net Amortization of Gains (Losses) from Line 15	\$0
29		
30	Adjusted Annual Preferred Stock Requirement	\$0
31		
32	Adjusted Cost of Preferred Stock (Line 30/Line 19)	0.00%

[ ] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.



Onco Electric Delivery Company LLC (including Onco NTU)  
12 Months Ending December 31, 2023

Schedule VII

Weighted Average Cost of Long-Term Debt (Note 1)

Line	(a) Description	(b) Issuance Date	(c) Maturity Date	(d) Interest Rate	(e) Principal Amount at Issuance	(f) Premium or (Discount)	(g) Underwriting Fees and Issuance Expenses	(h) Gain or (Loss) on Recaptured Debt	(i) Original Net Proceeds	(j) Net Proceeds As % of Par	(k) Principal Currently Outstanding	(l) Current Net Proceeds	(m) Issue Total Net Proceeds	(n) Cost of Debt	(o) Weighted Average Cost
1	S Secured Notes	5/15/2012	5/15/2022	2.000%	\$60,000,000	(17,255,000)	\$ 3,327,157	\$ 0	\$48,662,843	97.92%	495,478,000	\$480,053,130	3,643%	7.233%	0.263%
2	S Secured Notes	12/15/2012	12/15/2022	2.250%	350,000,000	(5,205,000)	3,528,200	\$ 0	\$341,556,101	97.58%	323,465,000	\$315,478,383	2,394%	7.455%	0.178%
3	S Secured Notes	9/26/2018	9/26/2028	2.500%	370,000,000	(9,151,000)	2,331,896	\$ 0	\$295,753,312	98.58%	390,000,000	\$295,753,312	2,245%	7.507%	0.171%
4	S Secured Notes	9/12/2010	9/12/2020	5.250%	475,000,000	(3,496,000)	4,881,434	\$ 0	\$466,622,566	98.23%	475,000,000	\$466,622,566	3,541%	5.609%	0.190%
5	S Secured Notes	11/18/2011	11/18/2021	4.500%	400,000,000	(5,819,000)	50,427,327	\$ 0	\$355,111,673	88.77%	400,000,000	\$355,111,673	2,695%	5.201%	0.143%
6	S Secured Notes	5/18/2012	5/18/2022	3.375%	500,000,000	(1,295,000)	5,199,875	\$ 0	\$493,904,125	98.78%	247,655,000	\$443,409,275	2,608%	3.365%	0.140%
7	S Secured Notes	3/24/2015	3/24/2025	2.950%	350,000,000	(1,295,000)	3,075,857	\$ 0	\$345,558,143	98.44%	350,000,000	\$345,558,143	2,626%	3.365%	0.081%
8	S Secured Notes	3/24/2015	3/24/2025	3.300%	550,000,000	(1,295,000)	5,355,253	\$ 0	\$553,053,247	100.56%	550,000,000	\$553,053,247	4,198%	3.719%	0.156%
9	S Secured Notes	9/21/2017	9/21/2027	3.800%	650,000,000	(4,641,750)	3,770,874	\$ 0	\$320,764,375	98.69%	650,000,000	\$320,764,375	2,434%	3.719%	0.094%
10	S Secured Notes	8/10/2018	8/10/2028	4.100%	450,000,000	(11,841,500)	5,322,500	\$ 0	\$444,336,500	98.74%	450,000,000	\$444,336,500	3,372%	4.173%	0.179%
11	S Secured Notes	11/27/2012	11/27/2022	3.750%	318,328,000	(441,000)	1,137,872	\$ 0	\$315,190,128	99.01%	318,328,000	\$315,190,128	2,392%	5.187%	0.141%
12	S Secured Notes	5/16/2019	5/16/2029	3.850%	174,000,000	-	1,410,000	\$ 0	\$172,600,000	99.16%	174,000,000	\$172,600,000	1,310%	4.005%	0.092%
13	S Sec (SOFS A)	9/16/2019	9/16/2029	3.850%	38,200,000	-	517,329	\$ 0	\$37,482,471	98.63%	38,200,000	\$37,482,471	0.284%	4.005%	0.012%
14	S Sec (SOFS B)	9/16/2019	9/16/2029	2.750%	500,000,000	(1,120,000)	4,216,433	\$ 0	\$495,663,567	99.13%	500,000,000	\$495,663,567	3,762%	7.455%	0.126%
15	S Secured Notes	5/23/2019	5/23/2029	3.800%	500,000,000	(3,953,000)	3,591,433	\$ 0	\$495,663,567	99.13%	500,000,000	\$495,663,567	3,762%	7.455%	0.126%
16	S Secured Notes	6/25/2019	6/25/2029	4.100%	700,000,000	(3,597,000)	5,013,156	\$ 0	\$695,056,564	99.57%	700,000,000	\$695,056,564	5,228%	5.188%	0.145%
17	S Secured Notes	9/12/2019	9/12/2029	4.300%	700,000,000	(3,597,000)	5,013,156	\$ 0	\$695,056,564	99.57%	700,000,000	\$695,056,564	5,228%	5.188%	0.145%
18	S Secured Notes	3/20/2020	3/20/2030	4.750%	400,000,000	(1,180,000)	3,419,993	\$ 0	\$395,400,997	91.350%	400,000,000	\$395,400,997	2,773%	4.209%	0.117%
19	S Secured Notes	3/20/2020	3/20/2030	5.350%	700,000,000	(2,959,583)	4,248,560	\$27,960,583	\$295,751,365	98.58%	300,000,000	\$295,751,365	2,245%	5.444%	0.122%
20	S Secured Notes	10/1/2020	10/1/2030	2.500%	450,000,000	(2,877,500)	4,725,133	\$ 0	\$442,567,000	96.91%	450,000,000	\$442,567,000	3,678%	2.854%	0.030%
21	S Secured Notes	6/28/2020	6/28/2030	2.500%	450,000,000	(9,695,000)	3,628,000	\$ 0	\$34,145,941	100.00%	2,444,584	\$2,444,584	0.019%	1.800%	0.000%
22	HB 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 2681, 2682, 2683, 2684, 2685, 2686, 2687, 2688, 2689, 2690, 2691, 2692, 2693, 2694, 2695, 2696, 2697, 2698, 2699, 2700, 2701, 2702, 2703, 2704, 2705, 2706, 2707, 2708, 2709, 2710, 2711, 2712, 2713, 2714, 2715, 2716, 2717, 2718, 2719, 2720, 2721, 2722, 2723, 2724, 2725, 2726, 2727, 2728, 2729, 2730, 2731, 2732, 2733, 2734, 2735, 2736, 2737, 2738, 2739, 2740, 2741, 2742, 2743, 2744, 2745, 2746, 2747, 2748, 2749, 2750, 2751, 2752, 2753, 2754, 2755, 2756, 2757, 2758, 2759, 2760, 2761, 2762, 2763, 2764, 2765, 2766, 2767, 2768, 2769, 2770, 2771, 2772, 2773, 2774, 2775, 2776, 2777, 2778, 2779, 2780, 2781, 2782, 2783, 2784, 2785, 2786, 2787, 2788, 2789, 2790, 2791, 2792, 2793, 2794, 2795, 2796, 2797, 2798, 2799, 2800, 2801, 2802, 2803, 2804, 2805, 2806, 2807, 2808, 2809, 2810, 2811, 2812, 2813, 2814, 2815, 2816, 2817, 2818, 2819, 2820, 2821, 2822, 2823, 2824, 2825, 2826, 2827, 2828, 2829, 2830, 2831, 2832, 2833, 2834, 2835, 2836, 2837, 2838, 2839, 2840, 2841, 2842, 2843, 2844, 2845, 2846, 2847, 2848, 2849, 2850, 2851, 2852, 2853, 2854, 2855, 2856, 2857, 2858, 2859, 2860, 2861, 2862, 2863, 2864, 2865, 2866, 2867, 2868, 2869, 2870, 2871, 2872, 2873, 2874, 2875, 2876, 2877, 2878, 2879, 2880, 2881, 2882, 2883, 2884, 2885, 2886, 2887, 2888, 2889, 2890, 2891, 2892, 2893, 2894, 2895, 2896, 2897, 2898, 2899, 2900, 2901, 2902, 2903, 2904, 2905, 2906, 2907, 2908, 2909, 2910, 2911, 2912, 2913, 2914, 2915, 2916, 2917, 2918, 2919, 2920, 2921, 2922, 2923, 2924, 2925, 2926, 2927, 2928, 2929, 2930, 2931, 2932, 2933, 2934, 2935, 2936, 2937, 2938, 2939, 2940, 2941, 2942, 2943, 2944, 2945, 2946, 2947, 2948, 2949, 2950, 2951, 2952, 2953, 2954, 2955, 2956, 2957, 2958, 2959, 2960, 2961, 2962, 2963, 2964, 2965, 2966, 2967, 2968, 2969, 2970, 2971, 2972, 2973, 2974, 2975, 2976, 2977, 2978, 2979, 2980, 2981, 2982, 2983, 2984, 2985, 2986, 2987, 2988, 2989, 2990, 2991, 2992, 2993, 2994, 2995, 2996, 2997, 2998, 2999, 3000, 3001, 3002, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3019, 3020, 3021, 3022, 3023, 3024, 3025, 3026, 3027, 3028, 3029, 3030, 3031, 3032, 3033, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3042, 3043, 3044, 3045, 3046, 3047, 3048, 3049, 3050, 3051, 3052, 3053, 3054, 3055, 3056, 3057, 3058, 3059, 3060, 3061, 3062, 3063, 3064, 3065, 3066, 3067, 3068, 3069, 3070, 3071, 3072, 3073, 3074, 3075, 3076, 3077, 3078, 3079, 3080, 3081, 3082, 3083, 3084, 3085, 3086, 3087, 3088, 3089, 3090, 3091, 3092, 3093, 3094, 3095, 3096, 3097, 3098, 3099, 3100, 3101, 3102, 3103, 3104, 3105, 3106, 3107, 3108, 3109, 3110, 3111, 3112, 3113, 3114, 3115, 3116, 3117, 3118, 3119, 3120, 3121, 3122, 3123, 3124, 3125, 3126, 3127, 3128, 3129, 3130, 3131, 3132, 3133, 3134, 3135, 3136, 3137, 3138, 3139, 3140, 3141, 3142, 3143, 3144, 3145, 3146, 3147, 3148, 3149, 3150, 3151, 3152, 3153, 3154, 3155, 3156, 3157, 3158, 3159, 3160, 3161, 3162, 3163, 3164, 3165, 3166, 3167, 3168, 3169, 3170, 3171, 3172, 3173, 3174, 3175, 3176, 3177, 3178, 3179, 3180, 3181, 3182, 3183, 3184, 3185, 3186, 3187, 3188, 3189, 3190, 3191, 3192, 3193, 3194, 3195, 3196, 3197, 3198, 3199, 3200, 3201, 3202, 3203, 3204, 3205, 3206, 3207, 3208, 3209, 3210, 3211, 3212, 3213, 3214, 3215, 3216, 3217, 3218, 3219, 3220, 3221, 3222, 3223, 3224, 3225, 3226, 3227, 3228, 3229, 3230, 3231, 3232, 3233, 3234, 3235, 3236, 3237, 3238, 3239, 3240, 3241, 3242, 3243, 3244, 3245, 3246, 3247, 3248, 3249, 3250, 3251, 3252, 3253, 3254, 3255, 3256, 3257, 3258, 3259, 3260, 3261, 3262, 3263, 3264, 3265, 3266, 3267, 3268, 3269, 3270, 3271, 3272, 3273, 3274, 3275, 3276, 3277, 3278, 3279, 3280, 3281, 3282, 3283, 3284, 3285, 3286, 3287, 3288, 3289, 3290, 3291, 3292, 3293, 3294, 3295, 3296, 3297, 3298, 3299, 3300, 3301, 3302, 3303, 3304, 3305, 3306, 3307, 3308, 3309, 3310, 3311, 3312, 3313, 3314, 3315, 3316, 3317, 3318, 3319, 3320, 3321, 3322, 3323, 3324, 3325, 3326, 3327, 3328, 3329, 3330, 3331, 3332, 3333, 3334, 3335, 3336, 3337, 3338, 3339, 3340, 3341, 3342, 3343, 3344, 3345, 3346, 3347, 3348, 3349, 3350, 3351, 3352, 3353, 3354, 3355, 3356, 3357, 3358, 3359, 3360, 3361, 3362, 3363, 3364, 3365, 3366, 3367, 3368, 3369, 3370, 3371, 3372, 3373, 3374, 3375, 3376, 3377, 3378, 3379, 3380, 3381, 3382, 3383, 3384, 3385, 3386, 3387, 3388, 3389, 3390, 3391, 3392, 3393, 3394, 3395, 3396, 3397, 3398, 3399, 3400, 3401, 3402, 3403, 3404, 3405, 3406, 3407, 3408, 3409, 3410, 3411, 3412, 3413, 3414, 3415, 3416, 3417, 3418, 3419, 3420, 3421, 3422, 3423, 3424, 3425, 3426, 3427, 3428, 3429, 3430, 3431, 3432, 3433, 3434, 3435, 3436, 3437, 3438, 3439, 3440, 3441, 3442, 3443, 3444, 3445, 3446, 3447, 3448, 3449, 3450, 3451, 3452, 3453, 3454, 3455, 3456, 3457, 3458, 3459, 3460, 3461, 3462, 3463, 3464, 3465, 3466, 3467, 3468, 3469, 3470, 3471, 3472, 3473, 3474, 3475, 3476, 3477, 3478, 3479, 3480, 3481, 3482, 3483, 3484, 3485, 3486, 3487, 3488, 3489, 3490, 3491, 3492, 3493, 3494, 3495, 3496, 3497, 3498, 3499, 3500, 3501, 3502, 3503, 3504, 3505, 3506, 3507, 3508, 3509, 3510, 3511, 3512, 3513, 3514, 3515, 3516, 3517, 3518, 3519, 3520, 3521, 3522, 3523, 3524, 3525, 3526, 3527, 3528, 3529, 3530, 3531, 3532, 3533, 3534, 3535, 3536, 3537, 3538, 3539, 3540, 3541, 3542, 3543, 3544, 3545, 3546, 3547, 3548, 3549, 3550, 3551, 3552, 3553, 3554, 3555, 3556, 3557, 3558, 3559, 3560, 3561, 3562, 3563, 3564, 3565, 3566, 3567, 3568, 3569, 3570, 3571, 3572, 3573, 3574, 3575, 3576, 3577, 3578, 3579, 3580, 3581, 3582, 3583, 3584, 3585, 3586, 3587, 3588, 3589, 3590, 3591, 3592, 3593, 3594, 3595, 3596, 3597, 3598, 3599, 3600, 3601, 3602, 3603, 3604, 3605, 3606, 3607, 3608, 3609, 3610, 3611, 3612, 3613, 3614, 3615, 3616, 3617, 3618, 3619, 3620, 3621, 3622, 3623, 3624, 3625, 3626, 3627, 3628, 3629, 3630, 3631, 3632, 3633, 3634, 3635, 3636, 3637, 3638, 3639, 3640, 3641, 3642, 3643, 3644, 3645, 3646, 3647, 3648, 3649, 3650, 3651, 3652, 3653, 3654, 3655, 3656, 3657, 3658, 3659, 3660, 3661, 3662, 3663, 3664, 3665, 3666, 3667, 3668, 3669, 3670, 3671, 3672, 3673, 3674, 3675, 3676, 3677, 3678, 3679, 3680, 3681, 3682, 3683, 3684, 3685, 3686, 3687, 3688, 3689, 3690, 3691, 3692, 3693, 3694, 3695, 3696, 3697, 3698, 3699, 3700, 3701, 3702, 3703, 3704, 3705, 3706, 3707, 3708, 3709, 3710, 3711, 3712, 3713, 3714, 3715, 3716, 3717, 3718, 3719, 3720, 3721, 3722, 3723, 3724, 3725, 3726, 3727, 3728, 3729, 3730, 3731, 3732, 3733, 3734, 3735, 3736, 3737, 3738, 3739, 3740, 3741, 3742, 3743, 3744, 3745, 3746, 3747, 3748, 3749, 3750, 3751, 3752, 3753, 3754, 3755, 3756, 3757, 3758, 3759, 3760, 3761, 3762, 3763, 3764, 3765, 3766, 3767, 3768, 3769, 3770, 3771, 3772, 3773, 3774, 3775, 3776, 3777, 3778, 37														

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule VIIa

Adjusted Cost of Long-Term Debt

LINE		
1	Balance of Unamortized Gains (Losses) on	\$14,305,663
2	Reacquired Debt (Sched.VII)	
3	- Balance Related to Gains (Losses) Identified	\$25,102,539
4	in Col.(h) of Schedule VII	
5		
6	Net Balance of Unamortized Gains (Losses) Not	(\$10,796,877)
7	Accounted for in Col.(h) of Schedule VII	
8		
9		
10	Annual Amortization of Gains (Losses) on	(\$3,436,497)
11	Reacquired Debt	
12	- Annual Amortization Related to Gains (Losses)	\$873,132
13	Identified in Col.(h) of Schedule VII	
14		
15	Net Annual Amortization of Gains (Losses) Not	(\$4,309,629)
16	Accounted for in Col.(h) of Schedule VII	
17		
18		
19	Net Balance of Debt (Sched.VII)	\$13,312,440,832
20	- Net Balance of Unamortized Gains (Losses) from Line 6	(\$10,796,877)
21		
22	Debt Balance Excluding Net Gains (Losses)	\$13,323,237,709
23		
24	x Weighted Average Cost of Debt (Sched.VII)	4.464%
25		
26	Annual Debt Requirement	\$594,774,602
27		
28	- Net Amortization of Gains (Losses) from Line 15	(\$4,309,629)
29		
30	Adjusted Annual Debt Requirement	\$599,084,230
31		
32	Adjusted Cost of Debt (Line 30/Line 19)	4.500%

[ ] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule VIII

Weighted Average Cost of Short-Term Debt

Line				End of Monitoring Period 12 Months Ending December 31, 2023			
	Balance at end of 2020	Balance at end of 2021	Balance at end of 2022	(a) Balance Outstanding	(b) Balance As a % of Total	(c) Average Cost	(d) Weighted Average Cost
1 Bank Loans	0	0	0	0	0.00%	0.00%	0.00%
2 Other - Commercial Paper	70,000,000	215,000,000	198,000,000	282,000,000	100.00%	5.54%	5.54%
3							
4 Total Notes Payable	\$70,000,000	\$215,000,000	\$198,000,000	\$282,000,000	100.00%		5.54%

[ ] Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule IX

Historical Financial Statistics  
(Total Company Basis)

Line	Fiscal Year:	2019	2020	2021	2022	Monitoring Period
1	Total Debt as a Percent	57.29%	54.92%	55.00%	55.20%	57.37%
2	of Total Capital					
3						
4	CWIP as a Percent of Net Plant	3.02%	2.79%	2.43%	3.78%	4.77%
5						
6	Construction Expenditures as a	15.76%	15.64%	14.02%	15.52%	17.21%
7	Percent of Average Total Capital					
8						
9	Pre-Tax Interest Coverage	2.95	2.93	3.10	3.29	2.75
10						
11	Funds From Operations / Total Debt	17.19%	16.92%	16.93%	16.59%	15.21%
12						
13						
14	Fixed Charge Coverage	2.94	2.92	3.09	3.27	2.74
15						
16	Fixed Charge Coverage (including	2.94	2.92	3.09	3.27	2.74
17	Distributions on Pref Trust Securities)					
18						
19	Funds From Operations Interest Coverage	4.73	4.64	4.95	4.98	4.50
20						
21	Net Cash Flow / Capital Outlays	56.20%	48.39%	34.96%	48.01%	39.25%
22						
23						
24	Cash Coverage of Common Dividends	4.65	4.39	2.02	4.38	3.66
25						
26	AFUDC and Deferrals as a Percent	3.99%	6.73%	5.19%	5.97%	9.14%
27	of Net Income for Common					
28						
29	Return on Average Common Equity	11.61%	10.18%	9.76%	10.45%	9.10%

{ } Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Schedule X.1a

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Unadjusted Revenue (\$)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Residential	(2) Secondary less than or equal to 10 kW	(3) Secondary greater than 10 kW	(4) Primary less than or equal to 10 kW	(5) Primary greater than 10 kW (Distribution Line)	(6) Primary greater than 10 kW (Substation)	(7) Transmission	(8) Lighting	(9) (Over)/Under- Collection of Wholesale Transmission Costs	(10) Reconcilable EECRP Weather Adjustment	(11) Reconcilable RCE Weather Adjustment	(12) Total
1	2023	1	181,169,477	8,223,191	133,148,271	97,281	25,928,542	3,293,307	10,686,148	5,187,281	(9,291,200)	0	0	358,452,297
2	2023	2	170,354,787	8,022,958	130,595,346	96,933	26,015,126	3,150,837	10,865,575	5,168,822	(6,250,444)	0	0	354,036,737
3	2023	3	128,374,132	7,407,301	126,096,953	99,762	26,815,478	2,767,238	10,961,075	5,171,438	32,490,126	0	0	340,183,502
4	2023	4	103,760,299	6,947,495	125,649,423	101,182	25,827,933	3,014,364	11,215,201	5,174,870	43,727,152	0	0	325,417,958
5	2023	5	112,906,040	6,338,925	119,640,300	114,885	27,629,416	5,365,680	14,981,481	5,003,665	41,842,209	0	0	334,192,600
6	2023	6	153,527,491	6,277,803	122,962,284	142,309	27,931,671	5,993,524	15,685,172	5,049,573	26,493,276	0	0	364,064,201
7	2023	7	217,483,583	7,204,420	130,958,681	122,011	25,193,796	5,463,956	15,660,973	5,046,119	5,559,595	0	0	413,693,143
8	2023	8	246,491,698	7,427,319	135,087,319	123,037	29,103,467	8,037,777	15,895,994	5,044,727	(9,337,271)	0	0	438,874,067
9	2023	9	309,539,770	8,124,681	152,884,929	125,098	30,333,725	6,600,412	16,184,552	5,120,361	(57,582,950)	0	0	471,220,600
10	2023	10	230,842,880	7,418,852	144,639,633	130,625	28,337,839	6,695,319	16,320,534	5,118,710	(34,586,165)	0	0	404,902,426
11	2023	11	154,507,545	5,481,865	138,564,111	148,659	29,990,810	7,831,153	16,545,069	5,137,204	182,142	0	0	359,018,578
12	2023	12	160,581,805	5,452,095	133,556,811	129,163	28,592,131	7,452,447	17,559,910	5,151,165	182,591	0	0	359,667,119
13	Totals (Note 2)		2,175,639,517	85,326,885	1,593,503,060	1,430,944	331,479,982	66,660,034	172,602,803	51,433,733	34,269,063	0	0	4,822,673,210
14	Monitoring Period													
15	Average (lines 1 thru 12)		181,308,051	7,193,915	132,816,922	119,245	27,623,332	5,557,503	14,393,557	5,119,478	2,850,754	0	0	376,972,767

Note 1: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).

Note 2: Column 12 of this line should correspond to line 2, column 8 of Schedule 1.

Schedule X.1b

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Weather-adjusted Revenue (\$)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Residential	(2) Secondary less than or equal to 10 kW	(3) Secondary greater than 10 kW	(4) Primary less than or equal to 10 kW	(5) Primary greater than 10 kW (Distribution Line)	(6) Primary greater than 10 kW (Substation)	(7) Transmission	(8) Lighting	(9) (Over)Under- Collection of Wholesale Transmission Costs	(10) Reconcilable EECRF Weather Adjustment	(11) Reconcilable RCE Weather Adjustment	(12) Total Σ Columns (1) to (11)
1	2023	1	184,361,725	8,325,075	133,141,310	97,281	25,928,440	3,293,307	10,695,148	5,187,281	(10,835,142)	(71,915)	0	360,123,510
2	2023	2	181,768,656	8,112,091	130,606,208	96,933	26,015,059	3,150,837	10,865,575	5,168,622	(8,852,301)	(143,876)	0	356,927,838
3	2023	3	138,197,800	7,553,837	126,111,065	99,792	26,814,954	2,767,238	10,961,075	5,171,438	(28,976,904)	(299,145)	0	346,354,958
4	2023	4	104,829,837	6,864,470	125,649,857	101,182	25,828,054	3,014,384	11,215,201	5,174,870	(43,344,344)	(31,699)	0	326,090,542
5	2023	5	117,657,458	6,412,295	119,680,956	114,885	27,830,582	5,365,680	14,991,481	5,063,665	(40,363,993)	(169,105)	(6,739)	337,305,150
6	2023	6	161,042,168	6,384,183	123,032,682	142,309	27,932,953	5,963,524	15,686,172	5,048,573	(24,129,135)	(255,384)	(10,776)	369,096,568
7	2023	7	202,214,651	7,005,918	130,832,851	122,011	25,191,243	6,463,956	15,660,973	5,046,119	(10,357,259)	(541,880)	21,863	403,459,725
8	2023	8	209,786,237	6,995,662	134,772,019	123,037	29,098,522	8,037,777	15,895,994	5,044,727	(3,190,412)	1,313,948	52,529	414,284,853
9	2023	9	245,972,113	7,424,477	152,464,145	125,098	30,317,505	6,600,412	16,184,534	5,126,361	(29,702,318)	1,741,472	60,479	436,317,297
10	2023	10	204,356,738	7,112,150	144,455,065	130,525	28,324,570	6,689,319	16,320,634	5,118,710	(22,978,473)	733,792	29,079	390,296,210
11	2023	11	151,262,109	6,439,074	138,528,766	148,659	29,690,098	7,881,153	16,545,099	5,137,204	(1,583,331)	103,277	3,557	357,292,317
12	2023	12	173,983,318	6,626,285	133,607,827	129,163	28,592,520	7,452,447	17,559,910	5,151,195	(5,720,700)	(330,141)	(14,697)	367,047,107
13	Monitoring		2,075,462,810	85,331,528	1,592,865,775	1,430,944	331,464,591	66,690,034	172,802,803	51,433,733	73,855,445	3,133,128	144,295	4,464,436,086
14	Period													
15	Average (lines 1 thru 12)		172,955,234	7,110,351	132,740,565	119,245	27,622,049	5,557,503	14,382,567	5,119,478	6,154,620	261,094	12,025	372,036,341

Note: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).

Schedule X-1c

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Weather-adjustments to Revenue (\$)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Residential	(2) Secondary less than or equal to 10 kW	(3) Secondary greater than 10 kW	(4) Primary less than or equal to 10 kW	(5) Primary greater than 10 kW (Distribution Line)	(6) Primary greater than 10 kW (Substation)	(7) Transmission	(8) Lighting	(9) (Over)/Under- Collection of Wholesale Transmission Costs	(10) Reconcilable EECRF Weather Adjustment	(11) Reconcilable RCE Weather Adjustment	(12) Total
1	2023	1	3,192,248	102,884	(6,561)	0	{1031}	0	0	0	(1,544,942)	(7,1915)	0	1,671,213
2	2023	2	5,436,869	80,134	10,862	0	(36)	0	0	0	(2,601,857)	(143,870)	0	2,791,101
3	2023	3	9,823,668	146,536	14,133	0	{513}	0	0	0	(3,513,222)	(293,145)	0	6,171,456
4	2023	4	1,059,518	16,976	434	0	161	0	0	0	(382,807)	(31,699)	0	672,603
5	2023	5	4,691,418	73,370	40,657	0	1,165	0	0	0	(1,478,215)	(169,105)	(6,739)	3,152,550
6	2023	6	7,514,676	106,281	50,399	0	1,292	0	0	0	(2,354,141)	(250,364)	(10,770)	5,042,367
7	2023	7	(15,268,942)	(197,502)	(125,829)	0	(2,553)	0	0	0	4,797,664	541,880	21,863	(10,233,419)
8	2023	8	(36,705,461)	(457,657)	(315,299)	0	(4,945)	0	0	0	11,527,663	1,313,948	52,329	(24,589,204)
9	2023	9	(63,567,656)	(700,184)	(420,784)	0	(6,769)	0	0	0	27,980,640	1,741,472	69,478	(34,903,303)
10	2023	10	(26,585,241)	(306,701)	(180,567)	0	(3,293)	0	0	0	11,707,692	733,792	29,079	(14,606,216)
11	2023	11	(3,245,436)	(42,791)	(35,345)	0	(713)	0	0	0	1,431,189	103,277	3,557	(1,786,261)
12	2023	12	13,411,513	174,200	52,016	0	389	0	0	0	(5,913,291)	(330,141)	(14,697)	7,379,959
13			(100,233,807)	(955,457)	(916,285)	0	(15,351)	0	0	0	39,646,393	3,133,128	144,295	(59,237,124)
14	Monitoring Period													
15	Average (lines 1 thru 12)		(8,352,817)	(82,855)	(76,357)	0	(1,283)	0	0	0	3,303,855	261,094	12,025	(4,935,427)

Note: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).

Schedule X.2a

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Unadjusted Sales (MWH)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Residential	(2) Secondary less than or equal to 10 kW	(3) Secondary greater than 10 kW	(4) Primary less than or equal to 10 kW	(5) Primary greater than 10 kW (Distribution Line)	(6) Primary greater than 10 kW (Substation)	(7) Transmission	(8) Lighting	(9) Total Σ Columns (1) to (8)
1	2023	1	3,932,871	158,933	3,954,781	2,229	1,703,903	571,447	2,186,011	30,821	12,150,997
2	2023	2	3,823,357	154,049	3,535,726	2,195	1,614,219	560,476	2,294,369	30,575	12,034,968
3	2023	3	3,231,882	144,370	3,455,893	2,300	1,734,222	546,153	2,207,385	30,447	11,352,653
4	2023	4	2,664,160	132,690	3,441,043	2,407	1,675,562	517,703	2,455,813	30,399	11,019,676
5	2023	5	2,687,096	133,787	3,504,356	2,942	1,643,736	565,454	2,471,180	30,475	11,139,125
6	2023	6	3,722,631	137,505	4,026,358	3,210	1,785,420	705,013	2,496,205	30,441	12,908,783
7	2023	7	5,388,149	169,034	4,716,430	2,116	1,478,219	707,656	2,401,188	30,316	14,890,117
8	2023	8	6,145,567	173,328	4,990,709	2,235	1,846,408	989,707	2,486,038	30,260	16,677,383
9	2023	9	5,095,638	172,614	5,034,551	2,120	1,814,952	703,142	2,413,743	30,323	16,268,095
10	2023	10	4,383,290	148,534	4,451,988	2,244	1,769,200	727,353	2,536,860	30,314	14,049,804
11	2023	11	2,858,968	123,850	3,945,471	3,113	1,778,575	823,786	2,569,605	30,268	11,873,655
12	2023	12	2,976,973	123,674	3,435,991	2,201	1,708,373	837,485	2,568,157	30,319	11,795,193
13			47,913,732	1,769,370	47,803,298	28,414	20,555,900	8,486,386	29,228,383	364,958	156,150,440
14	Monitoring										
15	Period										
16	Average (lines 1 thru 12)		3,992,811	147,447	3,983,608	2,368	1,712,992	707,199	2,435,699	30,413	13,012,537

Note: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).



Schedule X.2b

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Weather-adjusted Sales (MWH)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	Residential	Secondary less than or equal to 10 kW	Secondary greater than 10 kW	Primary less than or equal to 10 kW	Primary greater than 10 kW (Distribution Line)	Primary greater than 10 kW (Substation)	Transmission	Lighting	Total Σ Columns (1) to (8)	(9)
1	2023	1	4,005,857	191,687	3,553,853	2,229	1,702,240	571,447	2,186,011	30,821	12,213,946	
2	2023	2	3,947,323	156,435	3,552,777	2,155	1,613,631	580,478	2,294,369	30,575	12,177,782	
3	2023	3	3,507,201	148,525	3,477,907	2,300	1,731,402	546,153	2,207,385	30,147	11,651,321	
4	2023	4	2,694,135	133,171	3,441,719	2,407	1,676,549	617,703	2,455,613	30,399	11,051,696	
5	2023	5	2,809,590	136,048	3,557,584	2,042	1,650,138	666,454	2,471,180	30,475	11,333,611	
6	2023	6	3,918,841	140,781	4,104,851	3,210	1,792,519	705,013	2,498,205	30,441	13,193,871	
7	2023	7	4,589,471	159,947	4,520,434	2,116	1,454,194	707,666	2,401,186	30,316	14,275,332	
8	2023	8	5,187,305	159,225	4,499,588	2,235	1,622,235	999,707	2,486,038	30,260	15,186,595	
9	2023	9	4,828,835	154,117	4,379,124	2,120	1,780,516	703,142	2,413,743	30,323	14,291,922	
10	2023	10	3,853,050	140,432	4,170,731	2,244	1,751,242	727,353	2,536,860	30,314	13,212,246	
11	2023	11	2,794,261	122,719	3,590,417	3,113	1,774,650	823,786	2,509,505	30,266	11,748,828	
12	2023	12	3,246,454	128,276	3,517,013	2,201	1,710,511	837,485	2,668,167	30,319	12,140,425	
13			45,782,124	1,741,364	46,376,109	28,414	20,469,838	8,486,386	29,228,383	364,958	152,477,576	
14	Monitoring											
15	Period											
16	Average (lines 1 thru 12)		3,815,177	145,114	3,864,676	2,368	1,705,820	707,199	2,435,699	30,413	12,706,466	

Note: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).

Schedule X.2c

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Weather-adjustments to Sales (MWH)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	Residential	Secondary less than or equal to 10 kW	Secondary greater than 10 kW	Primary less than or equal to 10 kW	Primary greater than 10 kW (Distribution Line)	Primary greater than 10 kW (Substation)	Transmission	Lighting	Total Σ Columns (1) to (8)
1	2023	1	72,786	2,754	(10,927)	0	(1,653)	0	0	0	62,949
2	2023	2	123,955	2,385	17,051	0	(558)	0	0	0	142,815
3	2023	3	275,316	4,155	22,014	0	(2,821)	0	0	0	298,667
4	2023	4	25,975	481	676	0	857	0	0	0	32,020
5	2023	5	172,495	2,251	53,328	0	6,403	0	0	0	194,486
6	2023	6	165,211	3,275	78,503	0	7,059	0	0	0	285,088
7	2023	7	(398,677)	(6,085)	(155,295)	0	(14,025)	0	0	0	(514,785)
8	2023	8	(958,392)	(14,103)	(491,121)	0	(27,172)	0	0	0	(1,490,788)
9	2023	9	(1,267,603)	(18,497)	(655,427)	0	(34,446)	0	0	0	(1,976,173)
10	2023	10	(530,240)	(8,102)	(281,258)	0	(17,958)	0	0	0	(837,558)
11	2023	11	(64,727)	(1,130)	(55,054)	0	(3,915)	0	0	0	(124,827)
12	2023	12	257,481	4,502	81,022	0	2,138	0	0	0	355,242
13			(2,131,608)	(28,005)	(1,427,189)	0	(86,082)	0	0	0	(3,672,864)
14	Monitoring Period										
15											
16	Average (lines 1 thru 12)		(177,634)	(2,334)	(118,932)	0	(7,172)	0	0	0	(306,072)

Note: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule X.3

Revenues, Sales, and Customer Data  
Weather Data  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Cooling Degree Days	(2) Normal Cooling Degree Days	(3) Heating Degree Days	(4) Normal Heating Degree Days
1	2023	1	3	3	209	220
2	2023	2	2	2	204	222
3	2023	3	11	6	122	165
4	2023	4	29	26	41	48
5	2023	5	61	76	8	11
6	2023	6	186	214	0	1
7	2023	7	438	381	0	0
8	2023	8	577	439	0	0
9	2023	9	569	386	0	0
10	2023	10	309	230	1	2
11	2023	11	75	65	33	35
12	2023	12	8	9	87	124
13						
14						
15	Monitoring Period					
16	Total (lines 1 thru 12)		2,269	1,836	704	827

[ ] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.  
Normal Cooling Degree and Heating Degree levels derived from the ten-year average temperature ranges from 2013-2022.

Revenues, Sales, and Customer Data  
Weather Data (Secondary Service)  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Cooling Degree Days	(2) Normal Cooling Degree Days	(3) Heating Degree Days	(4) Normal Heating Degree Days
1	2023	1	4	4	414	458
2	2023	2	2	2	421	458
3	2023	3	13	8	259	332
4	2023	4	34	31	88	100
5	2023	5	71	89	17	23
6	2023	6	210	241	0	2
7	2023	7	476	417	0	0
8	2023	8	612	473	0	0
9	2023	9	602	420	0	0
10	2023	10	337	255	2	5
11	2023	11	85	73	73	74
12	2023	12	9	11	189	263
13						
14						
15	Monitoring Period					
16	Total (lines 1 thru 12)		2,456	2,023	1,462	1,715

[ ] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.  
Normal Cooling Degree and Heating Degree levels derived from the ten-year average temperature ranges from 2013-2022.

Schedule X.4

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Revenues, Sales, and Customer Data  
Number of Delivery Points  
(Texas Jurisdiction Only / Retail T&D Only)

Line	Year	Month	(1) Residential	(2) Secondary less than or equal to 10 kW	(3) Secondary greater than 10 kW	(4) Primary less than or equal to 10 kW	(5) Primary greater than 10 kW (Distribution Line)	(6) Primary greater than 10 kW (Substation)	(7) Transmission	(8)	(9) Total Σ Columns (1) to (8)
1	2023	1	3,325,077	302,545	205,035	3,134	7,130	135	296	53,494	3,900,846
2	2023	2	3,330,528	302,055	209,325	3,143	7,134	135	296	53,349	3,905,965
3	2023	3	3,336,099	302,425	205,046	3,147	7,138	136	297	53,282	3,912,139
4	2023	4	3,344,119	303,351	208,805	3,151	7,137	139	297	53,182	3,920,182
5	2023	5	3,350,563	298,736	213,042	3,177	7,117	141	302	53,150	3,927,231
6	2023	6	3,356,416	297,029	216,127	3,174	7,126	141	305	53,019	3,933,332
7	2023	7	3,363,549	295,238	218,568	3,143	7,111	143	305	52,922	3,941,079
8	2023	8	3,370,508	294,520	220,030	3,130	7,098	142	308	52,850	3,948,586
9	2023	9	3,374,094	293,598	221,385	3,121	7,092	146	309	52,776	3,952,891
10	2023	10	3,378,561	293,901	221,952	3,119	7,104	149	313	52,581	3,957,780
11	2023	11	3,384,752	290,059	225,038	3,113	7,111	149	315	52,464	3,964,001
12	2023	12	3,385,585	287,405	229,155	3,121	7,108	151	317	52,389	3,969,242
13											
14	Monitoring										
15	Period										
16	Average (lines 1 thru 12)		3,358,710	296,853	216,885	3,139	7,117	142	305	52,955	3,936,106

Note: As allowed, the column headings above have been relabeled to reflect the customer classes approved in the Order on Rehearing in Docket No. 53601 (Compliance Docket No. 54817).

[ ] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule X.5

Revenues, Sales, and Customer Data  
Weather Adjustment Procedure

Please provide a brief explanation of the procedure that the company used to derive the weather- adjustment results provided in Schedules XI.1-XI.3. If models are used in the development of the weather-adjusted results, please provide a brief explanation of the models used.

Include all supporting workpapers.

Weather normalization adjustments are calculated in a six step process. In the first step, system daily temperatures are converted into heating and cooling degree days using several reference temperatures (or bases), which are then combined using sales weights to obtain total system degree days by rate class. Second, the degree days for these multiple bases are then used, along with daily load research data, to determine the varying responses to different temperature levels by customer class. Third, daily degree days from the first step are spline-weighted and billing cycle adjusted to develop the appropriate monthly actual weather measures for inclusion in the weather normalization regressions. Fourth, monthly billed weather models by class are developed using spline-weighted heating and cooling degree days and other explanatory variables including indices of household size, household income, inflation-adjusted electric prices and appliance saturations and efficiencies.

Steps one through four serve to develop the weather adjustment coefficients or weather responsiveness. In the fifth step, daily normal degree days are calculated as the 31-day centered moving average of the simple 10-year average (2013-2022). These daily normal degree days are spline-weighted and billing cycle-adjusted to develop class normal degree day variables consistent with the variables employed in the regressions. In the final step, the regression coefficients for each of the final weather models are used along with applicable scaling factors, number of premises (if the predicted variable was use per premise), normal degree days and actual degree days to quantify monthly weather normalization adjustments by customer class.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule X.6

Revenues, Sales, and Customer Data  
Other Adjustments to Revenue

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Did you experience in the monitoring period any of the following that might have affected your base revenue significantly:

- (a) major loss of load;
- (b) significant expansion;
- (c) any other event causing significant change in base revenue.

If yes, please explain. If possible, enumerate base revenue adjustments for each of these factors. (Note: Do not identify individual customers loads.)

- (a) No
- (b) No
- (c) No

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule XI

## COMPANY ADJUSTMENTS

For each adjustment, please provide a full description. Supporter  
workpapers (if any) should be provided as a supplemental attachment  
to the Earnings Report

Ref. Line	Description	Total Electric	Allocation Percentage	Texas Jurisdictional
Sch I, Ln 3	Record affiliate transmission matrix revenues	\$ 470,140,591	100%	\$ 470,140,591
Sch I, Ln 3	Record affiliate transmission matrix revenues - Oncor NTU	\$ 68,638,087	100%	\$ 68,638,087
Sch I, Ln 3	Record affiliate operating revenues for operations services provided to Oncor NTU	\$ 7,714,076	100%	\$ 7,714,076
Sch I, Ln 3	Remove Energy Efficiency performance bonus recognized (Docket No. 55074 Order page 17)	\$ (20,545,284)	100%	\$ (20,545,284)
Sch I, Ln 3	Remove EECRF revenues - collection of interest on under-recovery (Docket No. 53671)	\$ (24,271)	100%	\$ (24,271)
Sch I, Ln 3, Column (7)	Other revenues - rent from fiber optics	\$ 861,339	100%	\$ 861,339
Sch I, Ln 3, Column (7)	Other revenues - rent from antenna leases	\$ 11,868,615	100%	\$ 11,868,615
Sch I, Ln 3, Column (7)	Other revenues - rent from property & right of way	\$ 673,070	100%	\$ 673,070
Sch I, Ln 3, Column (7)	Other revenues - other electric - DC Ties	\$ 2,515,166	100%	\$ 2,515,166
Sch I, Ln 3, Column (7)	Other revenues - other electric - operations services	\$ 7,714,076	100%	\$ 7,714,076
Sch I, Ln 3, Column (7)	Other revenues - other electric	\$ 23,500,023	100%	\$ 23,500,023
Sch I, Ln 13	Reclass non-service costs for pension and OPEBs to depreciation from non-operating - other deductions from GAAP to regulatory	\$ 2,354,766	100%	\$ 2,354,766
Sch I, Ln 15	Reclass other taxes (ad valorem taxes) for non-utility property to non-operating	\$ (127,725)	100%	\$ (127,725)
Sch I, Ln 24	Reclass other taxes (ad valorem taxes) for non-utility property to non-operating (post-tax)	\$ (100,503)	100%	\$ (100,503)
Sch I, Ln 15	Reclass other taxes (payroll taxes) for non-recoverable costs	\$ (68,773)	100%	\$ (68,773)
Sch I, Ln 24	Reclass other taxes (payroll taxes) for non-recoverable costs to non-operating (post-tax)	\$ (54,330)	100%	\$ (54,330)
Sch I, Ln 24	Reclass recoverable non-service costs for pension and OPEBs to depreciation from non-operating - other deductions from GAAP (net of FIT)	\$ 1,860,265	100%	\$ 1,860,265
Sch I, Ln 24	Reclass recoverable non-service costs for pension and OPEBs to O&M from non-operating - other deductions from GAAP (net of FIT)	\$ 23,028,577	100%	\$ 23,028,577
Sch I, Ln 24	Reclass write-off of Docket No. 53601 disallowed costs, non-recoverable costs, and other from O&M for GAAP to non-operating - other deductions (net of FIT)	\$ (46,691,573)	100%	\$ (46,691,573)
Sch II, Ln 8	Record affiliate transmission matrix costs	\$ 470,140,591	100%	\$ 470,140,591
Sch II, Ln 8	Record affiliate transmission matrix costs - Oncor NTU	\$ 68,638,087	100%	\$ 68,638,087
Sch II, Ln 1	Record affiliate operating costs incurred by Oncor NTU	\$ 2,926,266	100%	\$ 2,926,266
Sch II, Ln 2	Record affiliate operating costs incurred by Oncor NTU	\$ 2,537,246	100%	\$ 2,537,246
Sch II, Ln 3	Record affiliate operating costs incurred by Oncor NTU	\$ 134,826	100%	\$ 134,826
Sch II, Ln 4	Record affiliate operating costs incurred by Oncor NTU	\$ 209,943	100%	\$ 209,943
Sch II, Ln 9	Record affiliate operating costs incurred by Oncor NTU	\$ 1,857,069	100%	\$ 1,857,069
Sch II, Ln 10	Record affiliate operating costs incurred by Oncor NTU	\$ 48,735	100%	\$ 48,735
Sch II, Ln 1	Remove social club dues and fees	\$ (388)	100%	\$ (388)
Sch II, Ln 3	Remove social club dues and fees	\$ (4,449)	100%	\$ (4,449)
Sch II, Ln 9	Remove social club dues and fees	\$ (245,632)	100%	\$ (245,632)
Sch II, Ln 9	Reclass recoverable non-service costs for pension and OPEBs to O&M from non-operating - other deductions from GAAP	\$ 29,150,097	100%	\$ 29,150,097
Sch II, Ln 9	Remove write-off for Docket No. 53001 disallowed costs	\$ (54,659,808)	100%	\$ (54,659,808)
Sch II, Ln 9	Remove non-recoverable costs in O&M for GAAP	\$ (4,443,349)	100%	\$ (4,443,349)
Sch III, Ln 1	Reclass recoverable non-service costs for pension and OPEBs to plant in service (from regulatory asset for GAAP)	\$ 118,380,258	100%	\$ 118,380,258
Sch III, Ln 1	Reclass HB 2483/PURA 39-918 Mobile Gen Capital leases - plant in service (GAAP operating lease - ROLU asset)	\$ 4,969,702	100%	\$ 4,969,702
Sch III, Ln 1	Exclusion of plant in service - leasehold improvement offset by operating lease liability	\$ (19,251,400)	100%	\$ (19,251,400)
Sch III, Ln 2	Reclassify estimated net removal costs (from regulatory liability for GAAP)	\$ (1,518,553,859)	100%	\$ (1,518,553,859)
Sch III, Ln 2	Reclass recoverable non-service costs for pension and OPEBs to accumulated depreciation (from regulatory asset for GAAP)	\$ (10,050,018)	100%	\$ (10,050,018)
Sch III, Ln 2	Reclass HB 2483/PURA 39-918 Mobile Gen Capital leases - accumulated depreciation (GAAP operating lease - ROLU asset)	\$ (1,402,075)	100%	\$ (1,402,075)
Sch III, Ln 2	Exclusion of accumulated depreciation - leasehold improvement offset by operating lease liability	\$ 3,871,760	100%	\$ 3,871,760
Sch III, Ln 5	Reclass recoverable non-service costs for pension and OPEBs to construction (from regulatory asset for GAAP)	\$ (347,875)	100%	\$ (347,875)
Sch III, Ln 12	Remove Customer Advances for Construction in restricted cash	\$ 129,699,172	100%	\$ 129,699,172
Sch III, Ln 22	Remove PHFU projects beyond 2033	\$ 3,200,206	100%	\$ 3,200,206
Suppl Sch III-1	HB 2483/PURA 39-918 Mobile Gen Capital leases - regulated return (non-GAAP)	\$ 528,879	100%	\$ 528,879
Suppl Sch III-1	HB 2483/PURA 39-918 Long-lead Time Materials - regulated return (non-GAAP)	\$ 277,957	100%	\$ 277,957
		Total Company	Allocation Percentage	Total Electric
Sch III, Ln 1	Remove non-regulated plant	\$ (5,816,840)	0%	\$
Sch III, Ln 1	Exclusion of plant in service - NTU acquisition adjustment (Docket No. 41433) ineligible for recovery in Docket No. 53601	\$ (21,586,318)	0%	\$

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Schedule XII

EXTRAORDINARY AND NONRECURRING ITEMS

A. Reporting Period

Ref. Schedule	Column	Line Number	Description	Total Electric	Texas Juris.
1	111	11	Total Company write-off (in O&M pre-tax) in 2023, as set forth in the Order on Rerearing approved June 30, 2023 in Docket No. 53601, of disallowances for certain employee benefit and compensation related costs that were previously capitalized primarily to plant in service 2017 through 2022 was excluded from Total Electric operating expenses - O&M expenses. Reference O&M exclusion adjustment for Total Electric on Schedule XI in the amount of (\$54,659,908).	\$ -	\$ -

B. Prospective Period

Ref. Schedule	Column	Line Number	Description	Total Electric	Texas Juris.
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Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Schedule I-1

AMORTIZATION EXPENSE

Line	Description	Total Company	Total Electric	Texas Jurisdictional
1	Amortization of Intangible Plant	\$ 90,590,248	\$ 90,590,248	\$ 90,590,248
2	Amortization of plant acquisition adjustments	(30,674)	(30,674)	30,674
3	Amortization of regulatory assets & liabilities (plant-related)	(1,570,624)	(1,570,624)	(1,570,624)
4		0	0	0
5		0	0	0
6		0	0	0
7		0	0	0
8		0	0	0
9		0	0	0
10		0	0	0
11		0	0	0
12		0	0	0
13		0	0	0
14		0	0	0
15		0	0	0
16		0	0	0
17		0	0	0
18		0	0	0
19		0	0	0
20		0	0	0
21				
22	Total Amortization Expense Other	\$88,988,950	\$88,988,950	\$88,988,950

Note: Include pre-September 1999 long-term debt and preferred stock transaction costs if they are being amortized as a cost-of-service item per the final order in the company's unbundled cost-of-service docket. The reported amount should also include any allowed return granted in the company's unbundled cost-of-service docket and not included as an addition to rate base. Post-September 1999 long-term debt and preferred stock transaction costs should be included in Schedule Via and VIIa.  
Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Schedule I-2

OTHER EXPENSES

Line	Description	Total Company	Total Electric	Texas Jurisdictional
1		\$0	\$0	\$0
2		0	0	0
3		0	0	0
4		0	0	0
5		0	0	0
6		0	0	0
7		0	0	0
8		0	0	0
9		0	0	0
10		0	0	0
11		0	0	0
12		0	0	0
13		0	0	0
14		0	0	0
15		0	0	0
16		0	0	0
17		0	0	0
18		0	0	0
19		0	0	0
20		0	0	0
21				
22	Total Other Expenses	\$0	\$0	\$0

[ ] Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Schedule II-1

Summary of 16 Tex. Admin. Code § 25.77 Expenditures

Line	Description	Total Electric	Texas Jurisdiction	FERC Account No.
1	Business gifts and Entertainment	\$500,251	\$500,251	590,921,930
2	Institutional Advertising	\$0	\$0	
3	Consumption-Inducing Advertising	\$0	\$0	
4	Other Advertising	\$1,999,591	\$1,999,591	503,908,921,923,930,931
5	Public Relations Expense	\$0	\$0	
6	Legislative Advocacy (Note A)	\$3,429,688	\$3,429,688	428
7	Representation Before a Gov't Body (Note B)	\$34,721	\$34,721	185
8	Legal Expenses (Note C)	\$19,577,937	\$19,577,937	107,108,181,182 186,232,426,921,923,925,930,932
9	Charitable, Civic, and Religious Donations	\$2,097,157	\$2,097,157	590,921,930
10	Political Contributions	\$0	\$0	
11	Dues and Membership Fees	\$3,612,477	\$3,612,477	107,163,185 186,228,560,561,566,568,580,581,586,588,590,593,595,903,908,921,923,930
12				
13	Total	\$31,350,022	\$31,350,022	

Note A: Information shall include, but not be limited to, advocacy before any legislative body.

Note B: Information shall include representation before any governmental agency or body, including municipalities.

Note C: Information shall include legal expenses not accounted for in other categories.

[ ] Indicate here if footnote or comment relating to this schedule is included on Supplemental Schedule IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Schedule III-1

OTHER INVESTED CAPITAL ADDITIONS  
End of Reporting Period

Line	Description	Total Company	Total Electric	Texas Jurisdictional
1	2005 Legislative Deferrals:			
2	Retirement Plan Costs	\$ 55,862,779	\$ 55,862,779	\$ 55,862,779
3	Advanced Metering Costs Under-Recovery	63,084,756	63,084,756	63,084,756
4	Bad Debt Expenses	6,904,245	6,904,245	6,904,245
5	Wholesale Distribution Substation Service	93,351,063	93,351,063	93,351,063
	Recoverable plant-related non-service costs pension/OPEBs			
6	for GAAP	108,330,241	0	0
	Recoverable construction-related non-service costs			
7	pension/OPEBs for GAAP	(347,875)	0	0
8	Oncor NTU Study Costs/Transition to Competition	2,033,434	2,033,434	2,033,434
9	Power Line Safety Act (PURA 36.066)	10,343,890	10,343,890	10,343,890
10	COVID-19 Incremental Expenses (Project No. 50564)	32,480,362	32,480,362	32,480,362
11	Mobile Generators (HB 2483 & PURA 39.918)	4,056,478	4,056,357	4,561,357
12	Long-Lead Time Materials (HB 2483 & PURA 39.918)	146,387	424,344	424,344
13	Sharyland Interim Residential Rate	545,206	545,206	545,206
14	Rocky Mound Series Compensator	1,316,378	1,316,378	1,316,378
15	Rate-Case Expenses (request recovery in future proceeding)	3,497,416	3,497,416	3,497,416
16	Capital structure over-refund (Docket Nos. 48522 & 53601)	70,899	70,899	70,899
17	FIT rate over-refund (Docket Nos. 48325 & 53601)	2,057,416	2,057,416	2,057,416
18		0	0	0
19		0	0	0
20				
21	Total Other Invested Capital Additions	\$403,733,077	\$296,557,547	\$296,557,547

!! Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Schedule III-2

OTHER INVESTED CAPITAL DEDUCTIONS  
End of Reporting Period

Line	Description	Total Company	Total Electric	Texas Jurisdictional
1	Estimated Net Removal Costs	(\$1,518,553,859)	\$0	\$0
2	2005 Legislative Deferrals:			
3	Other Post-Employment Benefit Costs	(62,652,388)	(62,652,388)	(62,652,388)
4	Over-amortization of intangible investment	(16,804,309)	(16,804,309)	(16,804,309)
5		0	0	0
6		0	0	0
7		0	0	0
8		0	0	0
9		0	0	0
10		0	0	0
11		0	0	0
12		0	0	0
13		0	0	0
14		0	0	0
15		0	0	0
16		0	0	0
17		0	0	0
18		0	0	0
19		0	0	0
20		0	0	0
21				
22	Total Other Invested Capital Deductions	(\$1,598,010,556)	(\$79,456,697)	(\$79,456,697)

[ ] Indicate here if footnote or comment relating to this schedule is included on Supp Sched IV.

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Schedule IV  
Page 1 of 1

COMMENTS/FOOTNOTES/PROPOSED ADJUSTMENTS

Ref. Schedule	Column	Line Number	Comments/Footnotes/Proposed Adjustments	Amount
I	(7)	3	Wholesale transmission revenues include payments received from the affiliate Retail T&D business for wholesale transmission service per the Commission's wholesale transmission matrix.	\$ 538,787,078
I	(8)	3	Retail T&D revenues exclude the Energy Efficiency performance bonus recognized (Docket No. 55074 Order page 17).	(20,545,284)
I	(8)	11	Expenses include the payments for wholesale transmission from Retail T&D to its affiliate wholesale transmission service providers per the Commission's wholesale transmission matrix.	538,787,078
Ia		2	Oncor Electric Delivery remits all collections for Nuclear Decommissioning Funds (NDF) directly to Vistra Operations Company LLC, where the funds are deposited in the Nuclear Decommissioning Trust. Oncor does not recognize NDF billings as revenues.	23,186,348
II	(5)	8	Expenses include the payments for wholesale transmission from Retail T&D to its affiliate wholesale transmission service providers per the Commission's wholesale transmission matrix.	538,787,078
II	(5)	9	Total Company write-off (in O&M pre-tax) in 2023, as set forth in the Order on Rehearing approved June 30, 2023 in Docket No. 53601, of disallowances for certain employee benefit and compensation related costs that were previously capitalized primarily to plant in service 2017 through 2022 was excluded from Total Electric operating expenses - O&M expenses. Reference O&M exclusion adjustment for Total Electric on Schedule XI in the amount of (\$54,659,908).	(54,659,908)
IV	1	39	Research & Development Credit	(80,122)
V, Va	(a)	1	As shown in the footnote on Schedule V and Va, Common Equity excludes the effects of the merger per the commitments in Docket No. 34077 and impacts of OCI.	(3,652,913,727)
V	(a)	1	As shown in the footnote on Schedule V, Common Equity excludes the equity contribution supporting the goodwill per the commitments in Docket No. 48929.	(676,053,911)
I-V			The effective date of Docket No. 53601 (compliance Docket No. 54817) base rates was May 1, 2023. (Docket No. 46957 base rates were in effect prior to Docket No. 53601 rates.)	
V			Allowed return on equity in the Order on Rehearing approved in Docket No. 53601 (2022 rate case) on June 30, 2023 is 9.7%. Base rates were effective May 1, 2023.	

Oncor Electric Delivery Company LLC (including Oncor NTU)  
12 Months Ending December 31, 2023

Supplemental Sched V

Special Rates

DEFINITION: Special rates include rates such as legislatively mandated rates.

Please complete the information required by items 1, 2, 3, and 4 in the table below.

Answer the following in the table below:

1. Name and describe the qualification criteria for each special rate schedule available to customers and reported in each row of the following table. Separate jurisdictions should also be identified in this column.
2. Provide the total number of delivery points taking service at each special rate.
3. Provide the total actual base revenue recovered during the reporting period from all delivery points taking service at each special rate.
4. Assuming that special-rate services were provided at corresponding standard tariff rates, calculate the total amount of base revenues that would result.

Revenue Imputation for Special Rates

(1) Name of Special Rates	(2) Total Number of Delivery Pts.	(3) Total Actual Base Revenues Recovered	(4) Total Amount of Base Revenues Assuming Standard Tariffs
	0	\$0	\$0
	0	\$0	\$0
	0	\$0	\$0
	0	\$0	\$0
	0	\$0	\$0
	0	\$0	\$0
	0	\$0	\$0
	0	\$0	\$0
TOTAL		\$0	\$0

Revenue Imputation:

Base Revenues at Standard Tariff	Col (4)	\$0
Less Actual Base Revenues	Col (3)	\$0

Signature Page  
Public Utility Commission of Texas--Earnings Report  
12 Months Ending December 31, 2023

I certify that I am the responsible official of Oncor Electric Delivery Company LLC;  
that I have examined the foregoing report; that to the best of my knowledge, information, and belief, all  
statements of fact contained in the said report are true and the said report is a correct statement of the  
business and affairs of the above-named respondent in respect to each and every matter set forth  
therein during the period from January 1, 2023 to December 31, 2023 inclusive.

February 21, 2024  
Date

  
Signature

Vice President and Controller  
Title

Address: 1616 Woodall Rodgers Freeway  
Dallas, TX 75202

Phone: (214) 486-3265

Email address: William.Ledbetter@oncor.com

**Alternative contact regarding this report:**

Name: Matthew Troxle  
Title: Vice President - Regulatory

Address: 1616 Woodall Rodgers Freeway  
Dallas, TX 75202

Phone: (214) 486-5743

Email address: Matthew.Troxle@oncor.com



Schedule A : Summary of Distribution Cost of Service (DCOS)

Distribution Cost Recovery Factor Oncor Electric Delivery Company LLC Oncor DCRF Baseline, 12/31/2021 Test Year					
Line No.	Description	Balance Approved Per Rate Case Final Order (1)	Exclusions for DCRF (2)	Balance Approved For DCRF (3) = (1) + (2)	Reference Schedule
1	Operation & Maintenance , including (A&G)	2,538,516,451	(2,538,516,451)	-	Docket No. 53601
2	Depreciation and Amortization	543,360,740	(32,269,230)	511,091,510	E-1
3	Taxes Other Than Income Taxes	458,954,797	(315,657,939)	143,296,858	E-2
4	Federal Income Tax	68,683,857	(14,477,773)	54,206,084	E-3
5	Return on Rate Base	641,314,733	(87,781,292)	553,533,441	B
6	Total Revenue Requirement	4,250,830,577	(2,988,702,685)	1,262,127,892	
7	Other Revenues	(70,078,084)	70,078,084	-	Docket No. 53601
8	Total	\$4,180,752,493	(\$2,918,624,601)	\$1,262,127,892	

DCRF Baseline approved in Compliance Docket No. 54817, Order No. 6 on August 8, 2023.

Schedule B: Summary of Distribution Rate Base

Distribution Rate Base Oncor Electric Delivery Company LLC Oncor DCRF Baseline, 12/31/2021 Test Year					
Line No.	Description	Balance Approved Per Rate Case Final Order (1)	Exclusions for DCRF (2)	Balance Approved For DCRF (3) = (1) - (2)	Reference Schedules
1	Direct Assigned:				
2	Original Plant In Service	16,698,730,341		16,698,730,341	B-1
3	(Accumulated Depreciation)	(6,534,021,048)		(6,534,021,048)	B-5
3	Net Plant In Service	10,164,709,293	0	10,164,709,293	
4	Allocated Plant Accounts- Net	262,412,268	262,412,268	-	Docket No. 53601
5	CWIP	-	-	-	Docket No. 53601
6	Working Capital	(12,898,686)	(12,898,686)	-	Docket No. 53601
7	Plant Held for Future Use	1,745,979	1,745,979	-	Docket No. 53601
8	Regulatory Assets/Liabilities excluding non-tax	903,452,153	903,452,153	-	Docket No. 53601
9	Other	176,276,176	176,276,176	-	Docket No. 53601
10a	Accumulated Deferred FIT (ADFIT) - Non Plant	5,949,630	5,949,630	-	Docket No. 53601
10b	Excess ADFIT - Non Plant	(16,918,089)	(16,918,089)	-	Docket No. 53601
10c	Acc. ADFIT & Excess ADFIT -Non Plant	(10,968,459)	(10,968,459)	-	Docket No. 53601
10d	Accumulated Deferred FIT (ADFIT) - Plant Related	(1,260,470,111)		(1,260,470,111)	E-3.10
10e	Protected Excess ADFIT - Plant Related *	(491,578,167)		(491,578,167)	E-3.10
10f	Non-protected Excess ADFIT - Plant Related *	(88,849,874)		(88,849,874)	E-3.10
10g	Acc. ADFIT & Excess ADFIT -Plant Related	(1,840,898,152)	-	(1,840,898,152)	6-7, L 24, Col 5; E-3.10
11	Subtotal	(783,290,989)	1,057,607,163	(1,840,898,152)	
12	Total Rate Base	9,643,830,572	1,320,019,431	8,323,811,141	
13	Rate of Return	6.65%	6.65%	6.65%	Docket No. 53601
14	Return on Rate Base	\$641,314,733	\$87,781,292	\$553,533,441	

\* Docket No. 53601 Order Finding of Fact No. 370

Non-tax related regulatory assets	903,452,153	Line 8
Tax-related regulatory assets/(liabilities)	(597,346,130)	(details below)
Total - Regulatory assets/(liabilities)	306,106,023	
Less plant-related excess deferred taxes	(580,428,041)	Lines 10e & 10f
Regulatory Assets excl. plant-related excess deferred FIT	886,534,064	
Materials & Supplies	74,796,188	
Prepayments	104,576,873	
Other Rate Base Items	(3,096,684)	
Other	176,276,176	Line 9
ADFIT plant-related liability	(1,260,470,111)	Line 10b
ADFIT non-plant related liability	(211,669,351)	Line 10a
ADFIT non-plant related asset	217,618,981	Line 10a
Total - ADFIT	(1,254,520,481)	
Protected excess deferred taxes	(491,578,167)	Line 10e
Non-protected excess deferred taxes:		
Oncor plant-related basis differences	(97,762,907)	Line 10f
Oncor non-plant temporary differences	(16,918,089)	Line 10b
Oncor excess reserve plant-related	8,913,033	Line 10f
Total - Tax-related regulatory assets/(liabilities)	(597,346,130)	Excess deferred federal income taxes
Plant-related excess deferred taxes	(580,428,041)	Lines 10e & 10f
Non-tax related regulatory assets	903,452,153	Line 8
Oncor non-plant temporary differences	(16,918,089)	Line 10b
Reg assets excl. plant-related excess DFITs	886,534,064	

DCRF Baseline approved in Compliance Docket No. 54817, Order No. 6 on August 8, 2023.